



- Duralite® Pistons
- Duratech® Pistons
- Race Series®
- PROSEAL® Rings

Piston Products Catalogue PP03

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Automotive Components Limited

A.B.N. 51 006 542 785

WARRANTY

36 MONTHS OR 100,000 KM

ACL warrants that all products manufactured by it (other than Race Series products) which, within **36 months** of sale, or **100,000 kilometres** of use whichever shall occur first, are found upon examination by its representative to be defective in materials or workmanship and not from a cause beyond the control of ACL including, but not limited to, misuse, improper installation or operation, or lack of maintenance, will be replaced by **ACL free of charge** following delivery of such product to the seller.

This warranty is in addition and subject to the conditions and warranties prescribed by statute ("prescribed terms").

Subject to prescribed terms, ACL's obligation for liability for breach of prescribed terms is limited at its option to replacement of the goods or supply of equivalent goods, repair of the goods, payment of the cost of replacing the goods or acquiring equivalent goods or payment of the cost of having the goods repaired.

The above warranty supersedes and excludes all prior and other discussions, representations and arrangements relating to the supply of products including without limitation the suitability or performance of the products or the results expected from using the products.

Subject to prescribed terms and the warranty set out above, ACL shall not be liable for any loss, damage or injury of any kind whatsoever (including, without limitation, loss, damage or injury caused by the default or negligence of ACL or its servants or agents and incidental and consequential loss, damage or injury) in any manner wholly or partly arising from or in connection with any order or relating to the supply of or otherwise concerning any products including, without limitation to the foregoing, any defect in material design or workmanship of or any other defect whatsoever.

RACE SERIES PRODUCT WARRANTY: ACL RACE Series branded piston assemblies

ACL "RACE Series" branded piston assemblies with "9000" series part numbers are designed to enable specialist engine builders to obtain moderate increases in compression ratio and engine speeds for otherwise standard engines. These pistons are not designed for use in forced induction (ie. supercharged or turbocharged) engines or for use with fuels other than leaded or unleaded pump petrol and 100 octane aviation gasoline. ACL does not provide any implied or express warranty on products used in engines over whose design it has no knowledge or control and users must accept responsibility for use in non standard applications including any use in engines used in competition or where exhaust emissions regulations apply. ACL reserves the right to make product changes without notice and without incurring any liability for similar products previously manufactured.

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ACL Duratech® Pistons



ACL Duratech® pistons are designed to provide enhanced performance characteristics compared to the OEM pistons they replace. These pistons are all solid skirt design which provides up to 30% greater strength than pistons which have a sawn or cast oil return slot in or below the oil ring groove. Oil drain back is via cast slots below the oil ring.

High silicon material: ACL Duratech® pistons are made from a high silicon aluminium alloy which is the same as used in most high performance original equipment pistons around the world. This alloy combines excellent scuff and wear properties with maximum strength and minimum expansion.

Benefits

- Stronger than the original equipment pistons they replace.
- Lighter than the original equipment pistons they replace hence less mechanical losses and maximum power and less vibration.
- Highly wear and scuff resistant in extreme situations due to high silicon alloy.
- Able to operate quietly and reliably at low clearance due to low expansion coefficient of the high silicon material and also due to sophisticated computer generated 3 dimensional diamond turned skirt profiles.

ACL Race Series Pistons & Rings ("9000" series part numbers)

ACL Race Series brand piston assemblies are available for a number of popular engines. These are made from high silicon aluminium alloy and are heat treated to T5+T6 solution treatment specification. They are of solid skirt design and therefore much stronger than the standard pistons they replace. They are also considerably lighter and in addition have tapered alloy steel pins for further weight reduction.

Other special features include a pressure balancing groove in-between the top and second compression ring grooves, higher compression ratio (in most cases), solid pin boss design, and diamond turned skirt shape featuring compound ovality and vertical profiles. These enable the pistons to operate at much lower clearance than most forgings.

ACL Race Series pistons are NOT intended to replace forged pistons in applications where output is greater than 100 BHP/litre or in turbocharged and supercharged engines. However they are ideal for engine builders wishing to obtain moderate increases in power and speed from otherwise standard engines for street or off road use.

Special rings are specified for most of these pistons and have molybdenum inlaid high strength SG iron top rings and low friction oil rings. In most cases the rings are unique to these pistons and are supplied as part of the piston assembly. File back top rings are available for most applications for specialist engine builders.

Pistons and rings with 9000 series part numbers in this catalogue (except 9080, 9090 and 9301) are for performance applications. *(See illustrations in application listing of catalogue).*



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How to use this catalogue



Vehicle Model/Engine Index

Please refer to this index in the first instance. This index can be used if the vehicle make and engine type are known. This index is sorted alpha-numerically by manufacturer, model and engine type.

- Step 1** Turn to the index located at the front of this catalogue located on **Page XV** and select vehicle make.
- Step 2** Scan down to appropriate engine type.
- Step 3** Verify cubic capacity, year of manufacture, and model against the catalogue listing.
- Step 4** Turn to appropriate page and column in the body of the catalogue to locate full product listings.
- Step 5** Locate your desired product. Pay particular attention to select the appropriate part number and size and check the notes where applicable.

OR

Turn straight to the body of the catalogue.

This Piston Products catalogue is sorted alpha-numerically by engine type eg. Mazda B3 appears before Mazda B6. Please note that where an engine is foreign Japanese, it appears at the front of each vehicle manufacturer's section eg. in the Daihatsu section Toyota engines appear first.

- Step 1** Select vehicle manufacturer from within the body of the catalogue.
- Step 2** Select engine type and year of manufacture. Remember foreign Japanese engines appear first and are followed by the manufacturer's own engines listed alpha-numerically.
- Step 3** Verify cubic capacity, year of manufacture, and model against the catalogue listing.
- Step 4** Locate your desired product. Pay particular attention to select the appropriate part number and oversize. Also check any notes where applicable.

Exception

The exception to the above sequencing appears in **Ford** and **Holden**. In these sections Japanese engines again appear first, sorted alpha-numerically. Ford and Holden engines are then sequenced by a combination of increasing capacity and timing of model introduction ie. not alpha-numerically as noted above. If you have difficulty in locating an engine please refer to index.



Product, Prefixes and Suffixes

Pistons:

_KRY Prefix for piston kit which includes pin and rings. Number prefix () indicates number of cylinders, top compression rings are plain.

_MKRY As for KRY except the kit contains premium (coated) top compression rings (chrome/molybdenum/steel nitrided)

H Kit contains fileback rings.

S Kit contains skirt coated pistons.

Piston Rings:

M Prefix for ring set which contains molybdenum coated top compression ring.

C Prefix for ring set which contains chromium plated top compression ring.

PS Prefix for ring set which contains plain (uncoated) top compression ring.

N Prefix for plain ring set designed for special applications.

Piston / Ring Set Sizing:

Sizes are in either imperial or metric units and are provided beneath the part number in the body of the catalogue.

Imperial rings are: STD/020/030/040/060/080

Metric rings are: STD/0.50/0.75/1.00/1.50

Sleeve & Sleeve Assemblies:

Plain dry sleeves are identified by a four digit part number equivalent to the bore size in decimal inches if a decimal point is imagined after the first figure e.g. 3937 = 3.937" = 100mm. The suffix letters A B C indicate the wall thickness.

A = 1/16", B = 3/32", C = 1/8".

FSX.Y.Z Prefix for as cast dry flanged sleeve

PSP.Y.Z Prefix for special application plain dry sleeve

RSA / SA Prefix for sleeve assembly

WSX.Y.Z Wet type sleeve.

SF Suffix for Semi Finished sleeve

Miscellaneous :

NL Indicates item not listed.

NSS Indicates not serviced separately.

Technical Data Sizing:

Measurement units will be consistent with part number sizing.

Piston Information

Piston clearances are stamped on the top of pistons in either metric or imperial units as below:

METRIC CLEARANCE HAS
AN 'O' STAMPED BEFORE
THE DECIMAL POINT

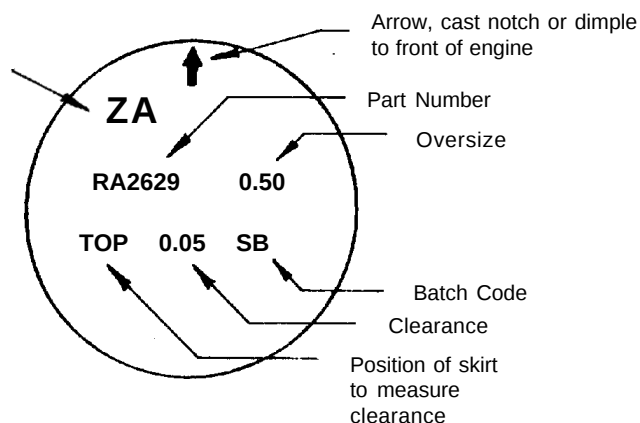
0.04

IMPERIAL CLEARANCE HAS
NO 'O' STAMPED BEFORE
THE DECIMAL POINT

.0015

2 large ink stamped letters are ACL inspector's initials (Black letters denote single grade piston).

EXPLANATION OF PISTON STAMPING DETAILS

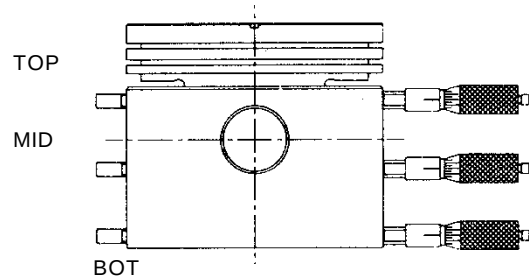
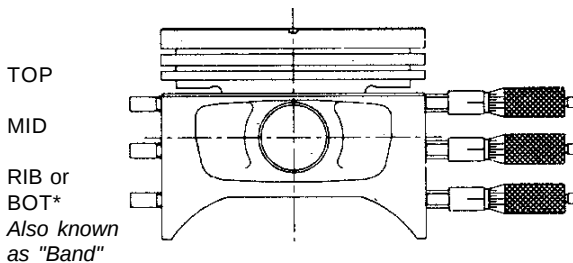


Piston Information (Cont)



NOTE

- There will also be the word 'TOP', 'BOT', 'MID' or 'RIB' stamped before the clearance. This shows where on the skirt the clearance is to be measured.



- Clearances stamped are recommended **minimum**, and assume engine cooling system, including block waterways etc. is in as-new condition, and ignition and fuel settings are standard. Extra clearance must be given to engines not in this condition or if other features are standard.

Skirt Grades (single grade system)

Most ACL pistons are produced within a total skirt grade spread of 0.001"(0.025mm).

In such cases the crown is identified with two large black ink stamped letters (the initials of the inspector).

Skirt Grades (four grade system)

Some ACL brand pistons are made in four grades within each oversize. Each grade is 0.0005" so total spread can be 0.002".

Pistons made in grades are colour coded below the pin boss and any inspector's stamp letters are red.

Yellow
Green
Red
Blue

Largest
↓
Smallest

Yellow	3.624 3.6235
Green	3.6235 3.6230
Red	3.6230 3.6225
Blue	3.6225 3.6220

To find the skirt size for a colour coded piston.

- Select nominal bore size from appropriate page in this catalogue.
- Subtract from this clearance stamped on the crown of the piston.
ie Bore size = 3.625" Clearance = 0.002"

Thus $3.625 - 0.002 = 3.623$ (skirt size)

The table at right shows the skirt sizes for the different grades on a piston with 0.002" clearance and a nominal bore of 3.625".

So for this example, a red grade piston is top tolerance is correct, or a green grade at bottom tolerance would give the correct clearance.

For oversize, just add the amount of oversize to every dimension. **NOTE** that it is good practise to check every piston and every bore.



Piston Pin Fitting - Press Fit Applications

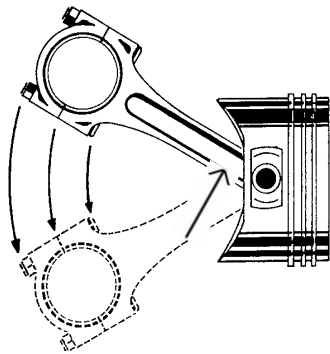
Correct assembly of pins into rods is essential in order to avoid seizure on start up or soon afterwards. If fitting hot it is essential to avoid overheating the rod eye. A proprietary heating machine should be used if at all possible though success is possible with very careful heating with heating torches (not a welding torch!), but in this case overheating, or just as bad, grossly uneven heating by having the flame too close to the rod eye, will lead to eye distortion and uneven clamping. Heat crayons should be used to verify that the temperature is in the range 250 to 280 degrees C. This provides plenty of expansion to allow the pin to enter the rod without force, the normal interference being 0.0008" (0.002mm) to 0.0018" (0.0045mm). It is imperative when using the hot method to avoid excessive temperature because the heat flowing into the pin transfers to the pin bore and can locally melt the piston material and this causes seizure on start up.

Also DO NOT move the pin on the rod until the assembly has cooled down. If you do move the piston while it is hot the pin bore can easily be scuffed before the assembly is fitted to the bore.

If fitting cold the use of a wedge between the side of the rod and the inside boss face of the piston is helpful in making sure that the load caused by the pin being forced into the rod eye is evenly distributed. This is becoming more and more important for modern pistons which do not necessarily have parallel boss faces. (Often the lower half is tapered away in the interests of weight saving).

A suitable wedge may be made from steel sheet of appropriate thickness and even for the simplest of pistons will need to have a few degrees of taper because all pistons have some taper between the pin bosses to allow die withdrawal in manufacture.

The force required to push the pin into the rod eye cold is considerable and if the piston cocks over at the time the pin enters the second side broaching of the pin bore may well occur. Thus the use of the wedge will help considerably.



CAUTION!

Do not let the rod
hit the piston - it
may crack the skirt.

After assembly always check for freedom of movement. Hold the piston and see if the rod drops freely, **BUT MAKE SURE YOU DO NOT ALLOW THE ROD TO FALL AGAINST THE INSIDE OF THE PISTON SKIRT.** This could break or crack the piston!

All of the above procedures are useless if the connecting rod eyes were oversize or distorted in the first case. It is always wise to verify the size of any rod which appears to have been overheated in previous use or which has signs that the previous pin has not been evenly clamped. Rods which are in doubt must be discarded.

Finally the lubrication of the pin bosses is essential prior to assembly to the block. A heavy molybond oil or molybond grease is ideal as it will remain in place until the engine is started.

Priming the lubrication system is also important, not only to prevent pin lock-up but in ensuring that the rest of the engine does not run dry while the oil pump picks up oil and distributes it around the galleries.

Of all the places in an engine the pin bosses are the last to get any decent lubrication after an engine is first started because they are dependent on splash from the connecting rod bearings. The amount of splash in a cold engine is much less than when it is hot due to the viscosity of the oil being at its greatest.

Piston Ring Information



About ACL's Piston Rings

ACL has been producing and selling piston rings for over 60 years. Many new cars made in Australia since the birth of the motor car industry have been fitted with ACL rings from new.

ACL rings made for the re-ringing of older engines, whether bored and honed or just fitted with a new set, are designed to:

1. Be easy to fit;
2. To bed in quickly;
3. To seal against blowby and oil consumption;
4. To provide long life.

Technical Detail

There are two basic types, **Premium and Proseal**.

Premium sets follow more closely to the original equipment and always have a coated top ring, either molybdenum or chromium plated. The top ring materials are usually high strength martenistic spheroidal graphite material or steel where this was the OE material and the oil rings are the ACL tapered end T790 (which is an OE style ring) or ACL's Duraflex™ vertical hump type.

The coated top rings are all barrel lapped for quick bedding in.

The second rings in the Premium AND the Proseal are ACL's unique reverse torsional twist taper face scraper which has the torsioning bevel on the outer upper edge.

Proseal ring sets are available for many applications and these are designed for the more budget conscious and they have uncoated top rings. These sets are especially suitable for re-ring applications when the bores have not been honed.

The top rings are asymmetric barrel turned and they are made from regular grey iron. The asymmetric barrel is designed for rapid bed in.

The second rings are the same as those in the Premium sets, i.e.. reverse torsional twist taper face scraper.

Oil ring wall pressures are generally higher than for OE sets in order to improve oil scraping ability.

More detail on the individual ring types and their attributes is given on the following pages.

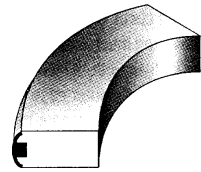
Caution When fitting any ring set, regardless of manufacturer of the rings or the piston, always make sure the rings have back clearance, sufficient gap and they are fitted the right way up. Also make sure the grooves of the piston are not worn. Always read the fitting instructions. Ring manufacturers such as ACL make every endeavour to ensure that the rings provided for any application are correctly specified but it remains the engine assembler's responsibility to ensure that the rings fit the grooves correctly. This is especially so when mixing brands such as when rings from one manufacturer are to be fitted to an original or other brand piston. There can often be changes in groove depth between models or even as running changes and this can result in engine failure if there is insufficient ring back clearance.



ACL Compression Ring Types

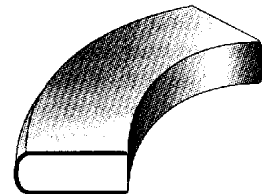
Barrel Lapped Molybdenum Inlaid in 'Premium' Ring Sets

Barrelled profile beds in quickly. Molybdenum is highly wear and scuff resistant. Used as top ring in Premium sets designated with an "M". If dimpled or stamped, assemble with these upwards.



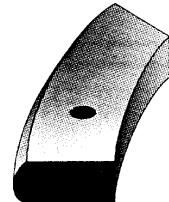
Barrel Lapped Gas Nitrided Steel in 'Premium' Ring Sets

Barrelled profile beds in quickly. Gas nitriding on all faces for superior wear and scuff resistance. Has added advantage of coating on ring side faces for increased resistance to side wear especially in adverse conditions. Steel base material has very high strength. The latest in piston ring technology and slowly displacing many chrome or molybdenum inlaid top compression rings in the premium range.



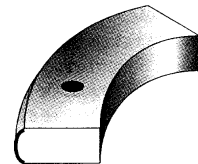
Asymmetric Barrel Face as found in 'PROSEAL' Sets

Asymmetric barrel beds in quickly and controls oil effectively. Used in Proseal sets as top ring. Used in some diesel sets as second or third ring. Fit with dimple or letters upwards.



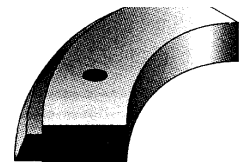
Barrel Lapped Chromium in 'Premium' Ring Sets

Chromium layer is very wear resistant. Barrel profile beds in quickly. Used as top ring in Premium sets designated with "C". Symmetrical ring, can be installed in any direction.



Reverse Torsional Twist Taper Faced Scraper

Step on upper outer edge causes ring to twist downwards when installed. This gives sealing against upward oil movement at the outer edge of the lower groove face. Very effective in high vacuum condition, i.e. part load. Taper on outside is sufficient to ensure bottom edge contact at all times. Lower scraper is very small compared to upper bevel and further adds to oil scraping ability. The upper bevel also increases inter-ring volume and reduces tendency for top ring flutter (lifting). Used as second ring in most Premium and Proseal sets. Fit with dimple or letters upwards.



Less Common ACL Compression Ring Types

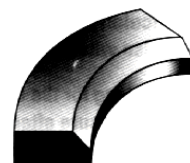
Taper Face

Taper Face compression ring provides downwards scraping for oil control. Used as top and/or second ring in some sets. Fit with dimple or letters upwards.



Plain Torsional Twist

Bevel or step on upper inner edge causes ring to twist upwards when installed. The ring is downward scraping in the non compression strokes. Otherwise it is flat against the groove face. Used as top or second ring in some sets. These rings do not have a dimple or stamp on the top face. Fit with the bevel upwards.



ACL Compression Ring Types



Diesel Types

Trapezoidal

Tapered top face prevents ring sticking in diesels and two strokes. Used as a top ring - usually chromium plated. Fit with dimple or letters upwards.

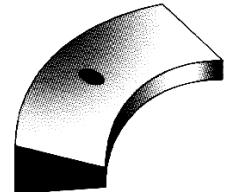
Upper side tapered



Keystone

The upper and lower faces are tapered to resist sticking in the groove. Used in diesel engines. Note that the angles may differ from top to bottom. These rings will have a dimple to designate top. Fit with the dimple or letters upwards. Usually Chromium plated.

Both sides are tapered



Keystone and trapezoidal rings are sometimes used in engines with chromium plated bores. Always check that any chromium plated ring does not go into a chromium plated bore. Note also that tapered side rings will appear to have too much side clearance when fitted to the groove. The correct position to check for side clearance is when the ring outer face is flush with the land. In this position the ring must still have side clearance. **Note:** Some tapered side rings have a bevel on the outer edge to neutralise any twisting which might otherwise cause high blowby. These rings will still have the dimple or letters to designate top.

ACL Oil Ring Types

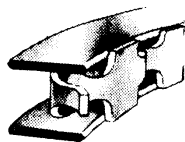


Duraflex™

- Cannot overlap;
- Conformable rails;
- Profile lapped chromium plated rails.

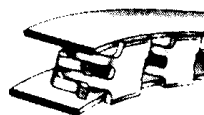


T790 tapered end abutment for ease of assembly. Chromium plated rails.



ACL RS70

Has:
1 ACL RS70 "Hourglass" hump type stainless steel circumferential expander.
2 Chromium plated rails.



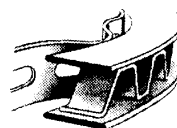
SS50

Has:
1 Vented hump type stainless steel circumferential expander.
2 Chromium plated rails.



Coil Spring Expander

backed cast iron oil (also chromium plated type available). Conformable and with coil spring expander for increased wall pressure.



Unitized Oil

Has:
2 Chromium plated steel rails;
1 Spacer for rails;
1 Sine wave expander.
This type fitted to older vehicles and depends upon known groove depth.



Cylinder Boring and Honing

Whether honing follows boring, or is done to clean up an existing bore, the method of honing and finish achieved **ARE ABSOLUTELY CRITICAL** to the performance of the rings. Modern engines must have a finer finish or the bedding in of the rings will not be satisfactory and oil consumption will be excessive.

The following hints may be of help:

1. When boring to an oversize, it is essential to leave sufficient honing allowance to completely remove the boring marks. (Around 0.002" (0.05) allowance will be needed). Note that the honing allowance will be dependent on the speed and feed and nose radius of the boring tool. A coarser finish after boring will require more stock allowance, Eg. 100 CLA bored finish will require around 0.002" (0.05).
2. The desired finish of 15-25 micro inches CLA is obtained with hone stones of around 300-400 grit size depending upon the engine block type.
3. Naturally such a fine stone is for finishing only, as it would be unsuitable for stock removal of more than 0.0005" (0.012). A roughing stone of around 180 grit should be used to bring the bored cylinder to the bottom tolerance of the finished size, then use the finishing stone. An exception to this is if a diamond hone is used in a modern honing machine.
4. After honing to the bottom tolerance of finished size, use the finer stones for a few strokes, with moderate pressure. Never put too much pressure on finishing stones. This causes the grits to press too deeply into the surface with a resultant lack of plateau. (This is usually detected by the shine reflected from the deep scratches). On the other hand, too little pressure achieves a glazed appearance.
5. The final finish should be evenly cut in both directions, will have a dull matt grey appearance and there should be no deep scratches. A fingernail will be barely able to sense any roughness in a 15 micro inch bore, whereas a bore with a finish of around 25-35 will act like a fine nailfile on the fingernail.
6. The cross hatch angle should be from 30-60° included.

Selection of honing stones

Consult the honing machine and/or stone superior. Grit sizes of around 180-220 are OK for rough honing, but for finishing around 400 grit is ideal.

If fine stones are not available, a flexible hone of 400 grit is also capable of achieving the desired result, providing that this is used for finishing only and not basic stock removal. Note that these must only be used with engine oil, never honing oil.

Machine honing is better than hand honing. It produces the best results with less effort, i.e. less leave boring marks and is a faster way of achieving the right finish.

Always follow the instructions of the honing machine manufacturer with regard to oils, selection of stones, feeds and speeds etc.

Cleaning

Poor cleaning after honing still accounts for most of today's wear out/oil consumption problems. Petrol and kerosene are unsuitable. Soap, water and scrubbing, followed by a swab with a light engine oil is best.

Whichever way you go about this important job, be sure to check cleanliness with a clean white cloth. It must not show any greyness after wiping.

Important Note

Re-ringing a worn bore without honing it first is acceptable practise when there is any doubt that the honing procedure available will yield the desired finish. In such cases the use of non coated (plain) rings is preferred as these will bed in quickly.

Re-Ringing Information



Conditions For Re-Ringing

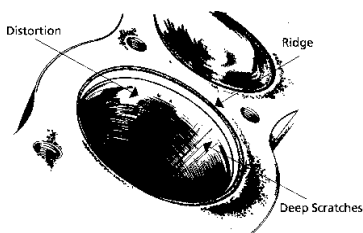
The engine has lost power, is burning oil and has excessive blowby. Other major components are in good enough condition for further use. Valve guides and stem seals, PCV valve, leaks etc have been eliminated as possible causes of consumption.

Bore condition

Honing may not be necessary if the bores are in good condition. Inspect each bore carefully. Look for signs of scratching or scoring, distortion, scuffing or seizure marks and heavy wear. Also look for signs of polishing or glazing. If these conditions are present the bore must be honed. A torch used with a disc of white cardboard fixed to the end of a piece of wooden dowel helps when examining a bore. Wear is detected by:

1. The presence of a lip or ridge at the top of the bore;
2. More than 0.002" (0.05) taper or ovality as measured with an inside micrometer.

A lip indicates too much wear for successful re-ringing without honing. Taper should be measured from the largest diameter (about 25mm (1") from the top) to the unworn section at the bottom.

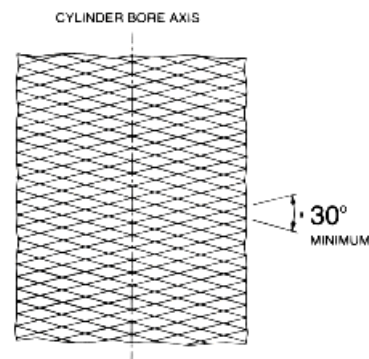


If Honing is Necessary

1. First remove any lip or ridge at the top of the bore using a cylinder ridge remover.

2. If distortion or taper is to be corrected first hone with 180 OR 220 grit rigid stones to bring bores to parallel. Use Honing fluid specified by the stone supplier. Then follow up with 280 OR 320 grit stones or a Flexhone of 240 or 400 grit. Note you must only use oil, preferably SAE 20, with a flexible hone. Flexhone for a minimum of 45 seconds.

If the bore is not tapered then go straight to the finishing hone as above. The honed finish should have a minimum cross hatch angle of 30 degrees included.



Engine Types - Bore Finish

Honda engines are typical of today's modern four cylinder engines which require fine bore finishes. Honda recommends finishing bores with 400 grit stones or flexible hones. Their Prelude engine has aluminium oxide / carbon fibre composite bores. These must be honed with 600 grit.

Stock Removal

If Honing a worn bore, stock removal should be no more than 0.002" (0.05). If more than this is needed the block is not suitable for re-honing and should be bored to the next oversize.

Piston to Bore Clearance

If there was a piston noise prior to the engine being removed it is obviously not worth re-ringing. If the pistons were quiet, then up to 0.002" (0.05) increase in clearance, as indicated above, is unlikely to lead to a problem and re-honing is feasible.



Re-Ringing Information (Cont)

Honing in the Chassis

Sometimes it is not convenient to remove the engine from the car or truck and honing is carried out in situ. It is very difficult to adequately clean the cylinders in this situation and it is difficult to prevent honing debris from entering the rest of the engine. Only hone in the chassis if it is absolutely essential and remember that the risk of debris causing an early wear out of the engine is extremely high.

Unless the bore is severely scratched, scored, distorted or glazed, it is better not to hone at all than to take the risk of honing the chassis.

Cleaning After Honing

Petrol and kerosene are not suitable conditions for cleaning out honing debris from a cylinder bore. The bores must be washed with hot soapy water and a stiff nylon brush (unless a chemical tank is available). Check cleanliness with a clean white cloth. Rewash if this comes out grey. Any sign of greyness signifies cleaning is not complete and if the engine is reassembled at this point the rings will quickly wear out!

Piston Condition

1. Check for worn grooves. Do not reuse pistons if new rings have more than 0.004" (0.1) side clearance in the grooves. Be sure to remove any carbon deposits from the back of the grooves.



2. Skirt, pinhole, circlip grooves (if any) and crown of piston must also be in good condition. Do not reuse if there is noticeable wear or scuffing or any other damage.
3. Severely blackened colour under crowns of pistons indicate previous overheating. Do not reuse these pistons as they will have been weakened.

4. Clean the pistons in a suitable cleaning solution. Do not sand or grit blast or glass bead spray pistons under any circumstances. If using a groove cleaning tool take care to avoid damage to the grooves.

Selection of Ring Set

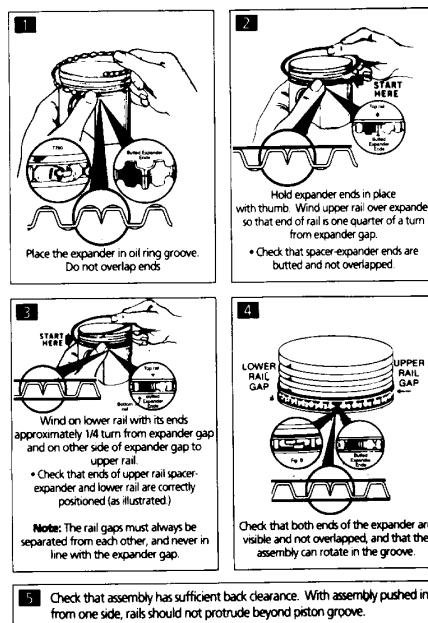
1. Measure bore size and determine the oversize required. The old pistons may have their oversize stamped on the crown.
2. Select appropriate ring set. ACL PROSEAL sets are suitable for re-ringing whether or not the bores are honed. The ACL Premium set contains either molybdenum inlaid or chromium plated top rings. Both types are especially suitable if bores are re-honed and give longer life to re-ringed engines.

Checking Gaps

Check the gaps of the compression rings in the bores, gaps should not be less than 0.010" (0.25) for typical automotive applications. Maximum gap specification is 0.005" per inch of bore diameter + 0.001". It is permissible for gap to be up to 0.25" above this because the bores may be slightly oversize due to wear or re-honing.

Assembling the Rings

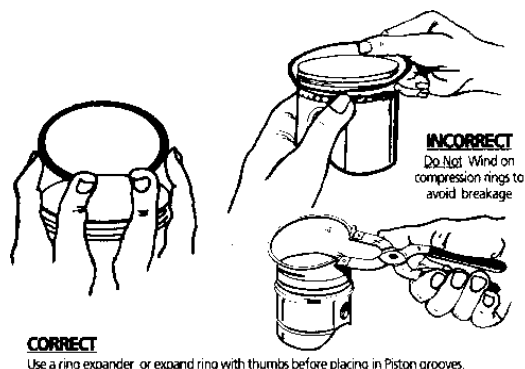
* Oil Rings





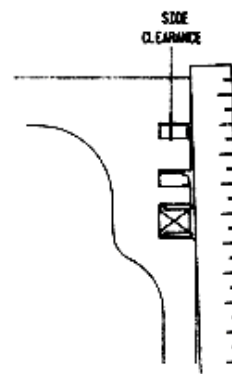
Re-Ringing Information (Cont)

* Compression Rings



Checking Back Clearance

All rings must have clearance between the back of ring and the back of the piston. To check this, push rings against the bottom of the groove on the thrust side of the piston then place a straight edge against the skirt of the piston. The minimum clearance between rings and the edge should be 0.3mm (0.012") for compression rings and 0.15mm (0.006") for oil rings.



Open out second compression ring and place in second groove. Make sure rings with dot or top identification are correct way up. Dots and other markings must always go upwards.

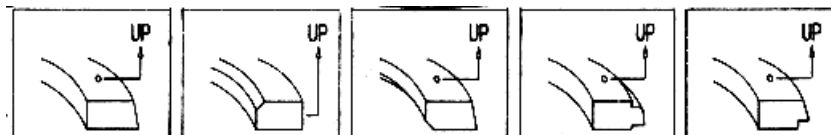
Fit top compression ring in the same way. Note: never wind on compression rings. Use fingers to spread gap or for stiffer rings use a ring expander. See diagrams

Piston Ring Information

Groove positions as follows (usual combinations and fitting directions).

1st								
2nd								
3rd								
OIL UPPER	 3 PIECE OIL RING	 3 PIECE OIL RING	 3 PIECE OIL RING	 3 PIECE OIL RING	 3 PIECE OIL RING	 3 PIECE OIL RING		
OIL LOWER								

Any identification letters or dimple always upwards.

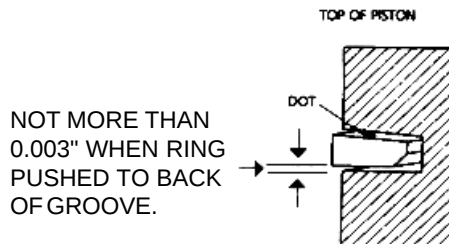




Re-Ringing Information (Cont)

Fitting Trapezoidal or Keystone Rings

Always ensure "top" or dimple is uppermost. Do not install upside down. Always check back clearance.



Piston groove condition is especially critical in diesel engines which have trapezoidal and keystone rings. Some light commercial diesel pistons do not have armoured groove inserts. Re-ringing these pistons is only recommended if previous mileage is low and the side clearance (measured with a feeler gauge below the ring) is less than 0.003" when the outside face of the ring flush with the land. See illustration.

Assembly to Bore

1. Double check all rings are assembled correctly, expanders not overlapped and back clearance is adequate. Apply engine oil to pin, rings and skirt. Lubricate the bearings (New bearings should always be fitted when re-ringing). Fit pistons to their original bores with front notch or arrow to front of engine.
2. Use a good quality ring compressor to compress rings as they enter the bore. Make sure the compressor is held firm against the block surface. Do not force piston into bore if it appears to stick on one of the rings. If this happens remove the assembly and start again.



3. Complete installation of all assemblies. Ensure engine rotates freely as each piston assembly is inserted.

First Fill Oil and Filter

Replace oil filter. Choose major oil company brand SAE 20W/50 or SAE 15W/40 oil. Low viscosity monograde oil are not recommended. Additives are also not recommended.

Running In

Do not let the engine idle for long periods. Subject the engine to several bursts of acceleration from 60-90 km/hr as soon as possible. This builds up pressure behind the rings and assists in bedding in. Avoid sustained high speeds and loads during first 2-3000 km.

First Oil Change

This should be as soon as possible and certainly before 500km. Change the filter as well. Use SAE 15W/40 or SAE 20W/50 oil unless engine manufacturer's own specification calls for a particular oil.

Printing Authority to add photo

Re-Ringing Information (Cont)



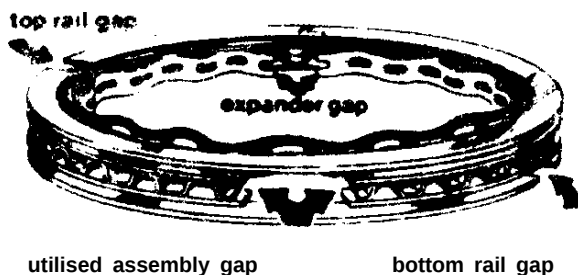
Oil Ring-Coil Spring Expander Type



Cast iron outer ring gap opposite coil spring expander ends.

1. Fit coil spring expander into oil ring groove (upper if two) and slide ends together on joining wire.
2. Fit cast iron outer ring with gap opposite the ends of expander.

Oil Ring-Sine Wave Expander Type



Fitting Instructions

Two Rail:

1. Fit expander to groove.
2. Fit utilised assembly to groove with gap opposite expander gap.

Checking for Chromium on Rings or Bores

A simple and effective way for checking for the presence of chromium plate is to use copper sulphate.

If excessive wear is suspected on a plated top or oil ring, smear a few drops of copper sulphate solution onto the degreased ring surface. After a few seconds the copper sulphate will react with any exposed iron and plate out a thin layer of copper. If the chromium is not worn away there will be no reaction.

To confirm that the copper sulphate solution is "working", smear a little onto a second compression ring, or cast iron cylinder bore.

This test is also useful if there is any doubt whether a cylinder bore is chromium plated or not.

The copper sulphate solution is easy to obtain, and most chemist shops could mix up the solution, which should be about 15% strength.

File Back Ring Sets

File back ring sets contain compression rings (usually only top) which require gapping by the engine assembler. They are only available for certain performance applications.

A file back set is designated by a "5" in the size eg. MP9098-005, 025, 035, 045 etc.

When filing gaps, care is needed to avoid distortion of the ring in a vice, and the ends must be square and left free of burrs. When filing gaps it is best to hold a small sharp single cut file in the vice and hold the ring in your hands when filing. File only one side of the gap using the other as a guide to keep the finished gap square. Deburr but do not file any chamfer on the outer edge.



Sleeve and Sleeve Assemblies

Plain dry sleeves are finish ground on the outside diameter and are manufactured and supplied with an allowance for interference fit when the block is bored to the cylinder boring sizes shown in the numerical list. The bore diameter of the sleeves is left undersize for the finishing operation.

Note - It is recommended that a step is left at the bottom of the block to ensure that the sleeve cannot shift downwards into the crankcase should it be too loose or if a piston seizes - severe engine damage will occur if this happens.

Dry flange sleeves are available finished to size on both OD and bore but in some special applications a honing allowance is left for finishing in situation.

IMPORTANT:- Some sleeve assemblies are colour coded and (where this applies) a red colour coded piston **MUST BE USED** with a red colour coded sleeve. A blue coded piston **MUST BE USED** with a blue coded sleeve and so on. Failure to comply with this instruction will result in reduced or greater clearances than permissible.

Fitting Instructions:

When an engine is dismantled, remove the worn sleeves from the cylinder block by tapping the bottom of the sleeve with a rawhide mallet. This should sufficiently loosen it so that it may easily be pulled upwards. If this method fails, it may be necessary to use a special sleeve extractor.

Flush out all sludge deposits from water passages while the block is still wet internally.

All deposits of rust, scale and carbon must be scraped out from the machined sections of the block which come into contact with the sleeve. Where the sealing grooves are in the block these must be made free of all old rubber and dirt. Clean all surfaces with a piece of medium fine emery paper until bare metal appears. Welding and boring is recommended if the sleeve is excessively loose due to severe corrosion of the block at the flange or sealing ring section. Often the top edge of the hole in the lower section of the block is very ragged and sharp. Round off this edge with a file to eliminate damage to the sealing rings during installation. Check that all components are correct replacements for the used or worn parts.

Insert each new sleeve into the block without sealing rings and ensure that it is an easy fit at all locations and can be turned by hand. Also it is important to ensure that the underside of the sleeve flange mates against a flat smooth surface. Any burrs or dirt should be removed. If this face is damaged because of fretting or other causes it must be accurately recut and sleeves with oversize flange widths fitted, otherwise special shims must be employed.

To facilitate insertion of the sleeves in the block, smear with grease. Where rubber sealing rings are used, these should be fitted into their grooves first, care being taken not to twist or overstretch them and apply a coating of rubber grease to help insertion. Work the sleeves into place by hand as far as possible and then tap lightly home with a soft hammer.

Note:

- 1) The use of dry ice to shrink the sleeves before insertion is also recommended.
- 2) Always use new sealing rings and gaskets. Old parts are not suitable for reuse.

Check the bores to ensure that there has been no distortion. Distortion, caused by faulty fitting of the sealing rings can be severe. Fill the cylinder block with water and inspect each sleeve for leakage at the bottom.

After normal engine assembly checks and engine start up, the engine should be run a light load for only sufficient time to ensure proper oil circulation and a moderate warm up followed by operating the engine in the vehicle on the road under normal driving conditions, avoiding high speeds and engine lugging.

C - D

Vehicle Model/Engine Index

Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col
KB KC Lancer	198 Slant 6	198ci	1960-70	15	2		3Y	1998cc	1985-88	24	3
	225 Slant 6	225ci	1960-69	16	1		4Y	2237cc	1986-85	25	1
	273	273ci	1957-77	17	1		5R	1994cc	1968-70	23	2
	301	301ci	1957-77	17	2		DV23 5R	1994cc	1968-70	23	2
	318	318ci	1957-77	17	3		DV28 B Diesel	2977cc	1972-80	21	2
	245 (Incl. Hi Comp.)	245ci	1970-80	16	2		DV32 DG Diesel	2530cc	1968-77	26	1
	245 (Incl. Hi Comp.)	245ci	1970-80	16	2		V10 B Diesel	2977cc	1977-84	21	2
	170 Slant 6	170ci	1960-69	15	1		V30 5R	1994cc	1975-78	23	2
	198 Slant 6	198ci	1960-69	15	2		750 3K	1166cc	1970-82	23	3
	225 Slant 6	225ci	1960-69	16	1		4K	1290cc	1978-82	23	1
Plymouth	170 Slant 6	170ci	1960-69	15	1	Series	D DG Diesel	2530cc	1968-77	26	1
	198 Slant 6	198ci	1960-69	15	2		DV DG Diesel	2530cc	1968-77	26	1
	225 Slant 6	225ci	1960-69	16	1		B Diesel	2977cc	1977-84	21	2
	301	301ci	1960-69	17	2		5R	1994cc	1968-70	23	2
	318	318ci	1960-69	17	3	D200	DG Diesel	2530cc	1968-77	26	1
Valiant R	225 Slant 6	225ci	1960-69	16	1	D300	DG Diesel	2530cc	1968-77	26	1
	215 Hemi	215ci	1970-75	15	3	E20VD	12R	1587cc	1973-83	23	3
	273	273ci	1958-69	17	1	Feroza	HDE OHC EFI	1589cc	1988-92	27	2
Ranger	301	301ci	1958-81	17	2	Series F	DL Diesel	2765cc	1983-on	26	2
	318	318ci	1958-73	17	3		12R	1587cc	1976-79	23	3
Valiant S	225 Slant 6	225ci	1960-69	16	1		3Y	1998cc	1984-88	24	3
	170 Slant 6	170ci	1960-69	15	1	F20	12R	1587cc	1973-83	23	3
	198 Slant 6	198ci	1960-69	15	2	F60	DL Diesel	2765cc	1982-84	26	2
	245 (Incl. Hi Comp.)	245ci	1970-80	16	2	F65	DL Diesel	2765cc	1982-84	26	2
	273	273ci	1958-69	17	1	F75	DL Diesel	2765cc	1984-87	26	2
	301	301ci	1958-81	17	2	KD10	3K	1166cc	1971-74	22	3
	318	318ci	1958-73	17	3		4K	1290cc	1978-on	23	1
	225 Slant 6	225ci	1966-67	16	1	Rocky	F70 DL Diesel	2765cc	1984-88	26	2
	273	273ci	1966-67	17	1		F75 DL Diesel	2765cc	1984-88	26	2
	318	318ci	1966-67	17	3		F77 DL Diesel	2765cc	1986-88	26	2
VC	225 Slant 6	225ci	1967-69	16	1		F80 3Y	1998cc	1984-86	24	3
	273	273ci	1967-69	17	1		F85 3Y	1998cc	1984-88	24	3
VE	318	318ci	1967-69	17	3		F87 DL Diesel	2765cc	1986-88	26	2
	225 Slant 6	225ci	1969-70	16	1	Rocky 4WD	DL Diesel	2765cc	1983-on	26	2
VF	318	318ci	1969-70	17	3		DL Diesel	2765cc	1987-on	26	3
VG	215 Hemi	215ci	1970-71	15	3		3Y	1998cc	1983-88	24	3
	245 (Incl. Hi Comp.)	245ci	1970-71	16	2		4Y	2237cc	1983-86	25	1
	318	318ci	1970-71	17	3	Bus	SV17L 12R	1587cc	1975-76	23	3
VH	215 Hemi	215ci	1971-73	15	3		SV17T 12R	1587cc	1973-83	23	3
	245 (Incl. Hi Comp.)	245ci	1971-73	16	2		SV1711 12R	1587cc	1973-83	23	3
	265	265ci	1971-73	16	3		SV18 DG Diesel	2530cc	1968-77	26	1
	318	318ci	1971-73	17	3		SV23 DG Diesel	2530cc	1972-77	26	1
VIP	225 Slant 6	225ci	1967-69	16	1		5R	1994cc	1971-75	23	2
	245 (Incl. Hi Comp.)	245ci	1970-71	16	2		SV24 DG Diesel	2530cc	1968-77	26	1
VJ	215 Hemi	215ci	1973-75	15	3		SV26 DG Diesel	2530cc	1968-77	26	1
	245 (Incl. Hi Comp.)	245ci	1973-75	16	2		SV32 DG Diesel	2530cc	1968-84	26	1
VK	318	318ci	1973-75	17	3		SV4 DG Diesel	2530cc	1968-77	26	1
	245 (Incl. Hi Comp.)	245ci	1976-80	16	2	VBG	DL Diesel	2765cc	1983-on	26	2
	265	265ci	1976-80	16	3	Vesta	DG Diesel	2530cc	1968-77	26	1
	318	318ci	1976-80	17	3	Series	V 2B Diesel	3168cc	1977-84	21	3
DAEWOO						Delta	V20 B Diesel	2977cc	1972-80	21	2
Cielo	A15MF	1498cc	1995-on	20	2		V22 DL Diesel	2765cc	1982-84	26	2
Cielo	G15MF	1498cc	1995-on	19	2		V23 DL Diesel	2765cc	1982-84	26	2
Espero	2.0L FI H2 ULP	1998cc	1995-on	19	1		V24 DL Diesel	2765cc	1982-84	26	2
Leganza	2.2L	2198cc	1997-on	20	1		V26 DL Diesel	2765cc	1982-84	26	2
Lanos	A15MF	1498cc	1995-on	20	2		V30 5R	1994cc	1978-83	23	2
	A16	1598cc	1997-on	19	3		V31 5R	1994cc	1975-78	23	2
Nubira	A16	1598cc	1997-on	19	3		V32 5R	1994cc	1975-78	23	2
							V34 5R	1994cc	1975-78	23	2
							V57 DL Diesel	2765cc	1984-87	26	2
						1500	3A	1452cc	1979-88	21	1
DAIHATSU						DODGE					
Applause	A101 HDE OHC EFI	1589cc	1989-96	27	2	AT4	215 Hemi	215ci	1971-81	28	1
Charade	CB OHC	993cc	1977-83	25	2		225 Slant 6	225ci	1962-69	28	2
	HCE OHC	1295cc	1988-93	27	2		245 (Incl. Hi Comp.)	245ci	1971-81	28	3
G11	CB OHC	993cc	1983-93	25	3		265	265ci	1971-81	29	1
G100	CB OHC	993cc	1983-93	25	3		318	318ci	1968-79	29	3
Charmont	A55 3A	1452cc	1981-83	21	1	Coronet	318	318ci	1960-67	29	3
Delta	DG Diesel	2530cc	1968-77	26	1		AW2, BW2 273	273ci	1964-69	29	2
	DL Diesel	2765cc	1987-on	26	3	Dart	VL2,AL2 273	273ci	1964-69	29	2
	B Diesel	2977cc	1972-on	21	2		318	318ci	1975-81	29	3
	1Y	1626cc	1983-on	24	1	D3F	318	318ci	1960-81	29	3
	13B Diesel	3431cc	1984-on	22	2	D5N	318	318ci	1960-81	29	3
	2B Diesel	3168cc	1977-on	21	3	Phoenix	330 318	318ci	1960-67	29	3
	2Y	1812cc	1983-85	24	2		440 318	318ci	1968-75	29	3
	3B Diesel	3431cc	1986-on	22	1						

Vehicle Model/Engine Index

D - F

Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col
FORD											
All models	250 6.27" Rods	351ci	1965-88	51	2		F8 SOHC Belt Drive	1789cc	1984-96	35	1
	250 6.27" Rods	351ci	1965-88	51	3		NA OHC	1586cc	1971-78	37	3
	351 Perf 6" Rods	351ci	1970-82	55	2		NA OHC	1586cc	1979-82	38	1
	351 Perf 6" Rods	351ci	1970-82	55	3		R2 Diesel	2184cc	1984-87	38	3
	351 Perf small chamb	351ci	1970-82	56	1		S2 Diesel	2209cc	1980-84	39	1
	351 Perf small chamb	351ci	1970-82	56	2		1.4 UC SOHC Chain Dr	1415cc	1978-81	39	2
	351 Perf small chamb	351ci	1970-82	56	3		1.6 NA OHC	1586cc	1979-81	36	1
	351 Perf 6" Rods	351ci	1970-on	54	3		1.8 F8 SOHC Belt Drive	1789cc	1985-90	35	1
Bronco	302 Windsor Perf	4940cc	1985-87	53	3	Escort	2.0 FE SOHC Belt Drive	1998cc	1984-90	35	2
Capri	3014E	1297cc	1962-70	43	1	1300	S2 Diesel	2209cc	1984-90	39	1
	116E	1498cc	1963-67	44	2		3014E	1297cc	1962-70	43	1
	1593	1593cc	1973-on	45	1		2735E	1298cc	1970-76	43	2
	70HM	1993cc	1973-on	46	3		711M	1298cc	1971-75	43	3
	2737E Crossflow	1598cc	1968-71	45	2		751M	1298cc	1975-76	44	1
	3022EV6	2994cc	1969-on	47	1		1600 751M 2V Carburetor	1598cc	1975-81	46	1
	711M Cross Flow	1598cc	1971-74	45	3		711M	1298cc	1971-76	43	3
SA	B6 DOHC Turbo 16V	1597cc	1989-92	31	2		711M Crossflow	1598cc	1971-74	45	3
	B6Y SOHC 8 Valve	1597cc	1989-92	30	2		751M 1V Carburetor	1598cc	1976-80	46	2
	B6 DOHC 16 Valve	1597cc	1989-92	31	1	Series	2000 70HM	1993cc	1972-82	46	3
SC	B6Y SOHC 8 Valve	1597cc	1992-92	30	2	F	3.3L (200ci) All	200ci	1976-80	48	2
	B6 DOHC 16 Valve	1597cc	1992-94	31	1		3.3L (200 ci) Gas	200ci	1976-80	48	3
SE	B6Y SOHC 8 Valve	1597cc	1993-94	30	1		240	240ci	1965-80	49	2
	B6 DOHC 16 Valve	1597cc	1992-94	31	1		300	300ci	1965-80	52	2
1300	711M	1298cc	1971-75	43	1		302 Cleveland	302ci	1972-82	52	3
1600GT	751M 2V Carburetor	1598cc	1975-81	46	1	Fairlane	351 Cleveland	351ci	1972-82	54	3
Corsair	UA CA20E	1974cc	1989-92	41	1	NA	3.2L EFI	3200cc	1988-90	57	2
	KA24E 12 Valve	2389cc	1989-92	41	2		3.9L EFI	3900cc	1988-92	53	1
	KA24E 12 Valve	2389cc	1989-92	41	3	NC	3.9L EFI	3900cc	1991-94	57	3
Cortina	120E	1500cc	1963-67	44	3		4.0L ED	3997cc	1991-94	58	2
CD	2737E Crossflow	1598cc	1968-71	45	2		4.1L Hi Comp P/Perf	3984cc	1992-98	59	2
TC	70HM	1993cc	1971-74	46	3	ZA	3.3L (200ci) All	200ci	1967-68	48	2
	4.1L (250ci) Ledged	250ci	1971-74	50	1		3.3L (200 ci) Hi Comp	200ci	1967-68	48	3
	4.1L (250ci) Hi Comp	250ci	1971-74	50	3		289 Windsor	289ci	1967-68	52	1
	4.1L (250ci) Hi Comp	250ci	1971-74	51	1	ZB	221	221ci	1968-69	49	1
	711M Crossflow	1598cc	1971-74	42	3		302 Windsor	302ci	1968-69	53	2
TD	70HM	1993cc	1974-76	46	3		302 Windsor Perf	302cc	1968-69	53	3
	4.1L (250ci) Ledged	250ci	1974-76	50	1	ZC	221	221ci	1969-70	49	1
	4.1L (250ci) Hi Comp	250ci	1974-76	50	3		302 Windsor	302ci	1969-70	53	2
	4.1L (250ci) Hi Comp	250ci	1974-76	51	1		302 Windsor Perf	302cc	1969-70	53	3
TE	70HM	1993cc	1976-80	46	3		351 Windsor	351ci	1969-70	54	2
	4.1L (250ci) Ledged	250ci	1976-80	50	1		351 Cleveland	351ci	1969-70	54	3
	4.1L (250ci) Hi Comp	250ci	1976-80	50	3		351 Cleveland Perf	351ci	1969-70	55	1
	4.1L (250ci) Hi Comp	250ci	1976-80	51	1	ZD	3.3L (200ci) All	200ci	1970-72	48	2
TF	70HM	1993cc	1980-86	46	3		3.3L (200 ci) Hi Comp	200ci	1970-72	48	3
	4.1L (250ci) Ledged	250ci	1980-86	50	1		4.1L (250ci) Ledged	250ci	1970-72	50	1
	4.1L (250ci) Hi Comp	250ci	1980-86	50	3		4.1L (250ci) Hi Comp	250ci	1970-72	50	3
	4.1L (250ci) Hi Comp	250ci	1980-86	51	1		4.1L (250ci) Hi Comp	250ci	1970-72	51	1
1500	116E	1498cc	1960-68	44	2		302 Windsor	302ci	1970-72	53	2
2000	70HM	1993cc	1972-82	46	3		302 Windsor Perf	302cc	1970-72	53	3
1600GT	1593	1593cc	1970-86	45	1	ZF	351 Cleveland	351ci	1970-72	54	3
	2737E Crossflow	1598cc	1968-71	45	2		351 Cleveland Perf	351ci	1970-72	55	1
Courier	FE SOHC Belt Drive	1998cc	1985-92	35	1		3.3L (200ci) All	200ci	1972-73	48	2
	FE SOHC EFI	1998cc	1985-90	35	2		3.3L (200 ci) Hi Comp	200ci	1972-73	48	3
	F2 SOHC 12V EFI	2184cc	1990-92	33	3		4.1L (250ci) Ledged	250ci	1972-73	50	1
	F2 SOHC 8 Valve	2184cc	1987-89	33	2		4.1L (250ci) Hi Comp	250ci	1972-73	50	3
	G6 SOHC 12V	2606cc	1991-96	35	2		4.1L (250ci) Hi Comp	250ci	1972-73	50	3
	G6 SOHC 12V	2606cc	1991-on	36	2		302 Cleveland	302ci	1972-73	52	3
	MA OHC	1970cc	1982-83	37	2		302 Cleveland Perf	302ci	1972-73	53	1
	NA OHC	1586cc	1978-80	37	3		351 Cleveland	351ci	1972-73	54	3
	NA OHC	1586cc	1978-82	38	1		351 Cleveland Perf	351ci	1972-73	55	1
	R2 Diesel	2184cc	1984-91	38	3	ZG	3.3L (200ci) All	200ci	1974-75	48	2
	S2 Diesel	2209cc	1981-84	39	1		3.3L (200 ci) Hi Comp	200ci	1974-75	48	3
	VC OHC	1769cc	1977-78	40	1		4.1L (250ci) Ledged	250ci	1974-75	50	1
	FE SOHC Belt Drive	1998cc	1985-86	35	2		4.1L (250ci) Hi Comp	250ci	1974-75	50	3
SG	R2 Diesel	2184cc	1986-87	38	3		4.1L (250ci) Hi Comp	250ci	1974-75	51	1
	VC OHC	1769cc	1973-78	40	1		302 Cleveland	302ci	1974-75	52	3
1800	VC OHC	1769cc	1978-82	40	2		302 Cleveland Perf	302ci	1974-75	53	1
2200	R2 Diesel	2184cc	1981-82	38	3		351 Cleveland	351ci	1974-75	54	2
D Series	240	240ci	1965-81	49	2	ZH	351 Cleveland Perf	351ci	1974-75	55	1
	2706E	240ci	1969-81	49	3		3.3L (200ci) All	200ci	1976-78	48	2
	300	300ci	1965-81	52	2		3.3L (200 ci) Hi Comp	200ci	1976-78	48	2
Econovan	FE SOHC Belt Drive	1998cc	1984-88	35	2		4.1L (250ci) Ledged	250ci	1976-78	50	1
	FE SOHC EFI	1998cc	1987-on	35	3		4.1L (250ci) Hi Comp	250ci	1976-78	50	3
	F2 SOHC 8 Valve	2184cc	1987-89	33	2		4.1L (250ci) Hi Comp	250ci	1976-78	50	3
	F6	1587cc	1982-87	34	3		302 Cleveland	302ci	1976-78	52	3
							302 Cleveland Perf	302ci	1976-78	53	1
							351 Cleveland	351ci	1976-78	54	3
							351 Cleveland Perf	351ci	1976-78	55	1

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col
Scurry Series Shuttle	G200Z OHC	1949cc	1981-84	62	2	LJ	308 Perf Hi Comp	308ci	1969-on	83	2
	4FC1 OHC Diesel	1995cc	1979-83	61	2		308 Unleaded Petrol	308ci	1969-on	83	3
	4ZD1	2254cc	1984-89	64	2		1256	1256cc	1972-74	71	1
	KB24 4ZD1	2254cc	1985-88	64	2		2265	2262cc	1971-80	74	3
	KB28 G200Z OHC	1949cc	1984-89	62	2	LX	1599	1599cc	1972-76	71	2
	KB29 4ZD1	2254cc	1985-88	64	2		253 Red & Blue	253ci	1976-79	80	3
	KB40 G161Z	1584cc	1979-84	61	3		253 Perf Hi Comp	253ci	1976-79	81	1
	KB41 G200Z OHC	1949cc	1981-86	62	2		253 Unleaded Petrol	253ci	1976-79	81	3
	KB42 C223 Diesel	2238cc	1981-83	60	2	TA	253 Performance	253ci	1976-79	81	2
	KB46 C190 OHV Diesel	1951cc	1982-on	60	1		308 Red	308ci	1976-79	83	1
	KB47 G180Z	1817cc	1977-83	62	1		308 Perf Hi Comp	308ci	1976-79	83	2
	TF 4JB1 Diesel	2771cc	1990-92	62	3		308 Unleaded Petrol	308ci	1976-79	83	3
	4ZD1	2254cc	1990-92	64	2	UC	1256	1256cc	1974-75	71	1
	4ZE1	2559cc	1988-92	64	3		1.9L Starfire	1891cc	1978-81	73	3
	4ZE1	2559cc	1993-98	65	1		2262	2262cc	1971-80	74	3
	KBD26 4FC1 OHC Diesel	1995cc	1979-83	61	2		186	186ci	1970-72	76	2
	KBD28 C223 Diesel	2238cc	1984-89	60	2	XU-1	186 Unleaded Petrol	186ci	1966-71	76	3
	KBD29 C223 Diesel	2238cc	1984-91	60	2		X20SE C20SEL 16V	1998cc	1994-97	87	2
	KBD40 G161Z	1584cc	1979-84	61	3		C22SEL 16 Valve	2198cc	1997-on	87	3
	KBD41 C223 Diesel	2238cc	1981-86	60	2	WB	202 Blue, Black	202ci	1980-84	77	1
	KBD46 C223 Diesel	2238cc	1984-86	60	2		202 Unleaded Petrol	3310cc	1980-84	77	2
	4FC1 OHC Diesel	1995cc	1981-84	61	2		253 Blue	253ci	1980-84	80	2
	F10A	970cc	1985-87	66	3		4ZB1 OHC Petrol	1817cc	1982-on	63	3
	48 132 Grey Motor	2174cc	1948-52	74	1	WFR11	4FB1 OHC Diesel	1817cc	1981-on	61	1
	50 132 Grey Motor	2174cc	1948-52	74	1		4FC1 OHC Diesel	1995cc	1981-on	61	2
	Shuttle C223 Diesel	2238cc	1981-on	60	2		202 Blue, Black	202ci	1980-84	77	1
	4FB1 OHC Diesel	1817cc	1979-on	61	1		202 Unleaded Petrol	3310cc	1980-84	77	2
	4FC1 OHC Diesel	1995cc	1982-86	61	2	X2	149	149ci	1965-66	75	1
	4ZA1	1584cc	1981-on	63	2		179	179ci	1965-66	76	1
	4ZB1 OHC Petrol	1817cc	1982-87	63	3	HONDA					
	4ZC1	1994cc	1983-91	64	1	Accord	A18A	1829cc	1984-85	97	2
Statesman	350 Performance	350ci	1968-74	85	1		A20A CARB & EFI	1955cc	1986-89	88	1
	350 Perf Low Comp	350ci	1968-74	85	2		EF OHC	1599cc	1976-78	92	1
	350 Perf Semi Fin	350ci	1968-74	85	3		EG OHC	1599cc	1977-78	92	2
	253 Red & Blue	253ci	1971-on	80	3		EL OHC	1602cc	1977-83	93	2
	253 Perf Hi Comp	253ci	1969-84	81	1	SJ	ES	1829cc	1982-87	95	1
	253 Unleaded Petrol	253ci	1969-on	81	3		ET	1829cc	1984-86	95	2
	253 Performance	253ci	1969-on	81	2		F22A	2156cc	1989-95	96	1
	308 Red, Blue, Black	308ci	1971-on	83	3		F22A5 16V SOHC	2156cc	1989-97	96	2
	308 Perf Hi Comp	308ci	1969-on	83	2	SM	EF OHC	1599cc	1976-78	92	1
	308 Unleaded Petrol	308ci	1969-on	83	3		EL OHC	1602cc	1979-81	93	2
	4.9L	4987cc	1985-on	82	1		EK	1751cc	1978-on	93	1
	4.9L Performance	4987cc	1989-on	82	3		SV EP OHC	1601cc	1980-81	94	2
	VQ 3.8L V6	3794cc	1988-94	79	2	SV	EP OHC	1601cc	1981-83	94	2
	Perf Hi Comp	308ci	1988-91	80	2		EK	1751cc	1976-78	93	1
	VR 3.8L V6	3794cc	1994-95	79	3		1600 EL OHC	1602cc	1977-83	93	2
	Perf Hi Comp	308ci	1988-91	80	2		EP OHC	1601cc	1978-81	94	2
	VS 3.8L V6	3794cc	1995-on	80	1	1800	EK	1751cc	1976-78	93	1
	VT 3.8L V6	3794cc	1995-on	80	1		ES	1829cc	1983-85	95	1
	VX 3.8L V6	3794cc	1995-on	80	1		A20A Carb & EFI	1955cc	1985-87	88	1
Sunbird Torana	1.9L Starfire	1891cc	1978-81	73	3		ER	1231cc	1983-86	94	3
	2265	2262cc	1969-71	74	2	City Civic	D13B	1343cc	1991-93	97	1
	149	149ci	1969-74	75	1		D15B	1493cc	1987-91	89	2
	161	161ci	1963-74	75	2		D16A6	1590cc	1986-95	89	3
	173 Red Motor	173ci	1971-on	75	3		D16Z6	1590cc	1986-95	90	1
	179	179ci	1963-74	76	1	2000	EB1	1169cc	1972-75	90	2
	202 Red, Blue, Black	202ci	1978-on	77	1		EB2 OHC	1237cc	1976-on	90	3
	202 Perf Hi Comp	202ci	1971-on	77	3		EB3	1237cc	1978-79	91	1
	202 Unleaded Petrol	3310cc	1971-on	77	2		EC OHC	1488cc	1974-78	91	2
	202 Perf Hi Comp	202ci	1971-on	78	1	SB	ED OHC	1488cc	1977-79	91	3
	253 Red	253ci	1974-on	80	3		EJ	1335cc	1978-on	92	3
	253 Perf Hi Comp	253ci	1969-84	81	1		EM OHC	1488cc	1979-82	93	3
	253 Unleaded Petrol	253ci	1969-on	81	3		EN OHC	1335cc	1979-82	94	1
	253 Performance	253ci	1969-on	81	2	SC	EW2	1488cc	1984-87	95	3
	308 Perf Hi Comp	308ci	1969-on	83	2		EB2 OHC	1237cc	1973-78	90	3
	GTR 186	186ci	1970-72	76	2		EB2 OHC	1237cc	1973-78	90	3
	186 Unleaded Petrol	186ci	1966-71	76	3		SE EC OHC	1488cc	1974-78	91	2
	HB 1159	1159cc	1967-71	70	3	SF	EB2 OHC	1237cc	1975-79	90	3
	LC 2262	2262cc	1969-76	74	3		EJ	1335cc	1978-79	92	3
	1599	1599cc	1967-71	71	2		SL EN OHC	1335cc	1979-80	94	1
	186	186ci	1969-72	76	2		SP EJ	1335cc	1978-79	92	3
	186 Unleaded Petrol	186ci	1966-71	76	3	SR	EN OHC	1335cc	1979-80	93	1
	LH 1.9L Starfire	1891cc	1974-76	73	3		SS EN OHC	1335cc	1979-80	93	1
	253 Red	253ci	1974-76	80	3		ST EN OHC	1335cc	1979-80	93	1
	253 Perf Hi Comp	253ci	1969-on	81	1		VB EC OHC	1488cc	1974-79	91	2
	253 Unleaded Petrol	253ci	1969-on	81	3	SS	EN OHC	1335cc	1979-80	93	1
	253 Performance	253ci	1969-on	81	2		ST EN OHC	1335cc	1979-80	93	1
	308 Red	308ci	1974-76	83	1		VB EC OHC	1488cc	1974-79	91	2

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col
Concerto	VC EJ	1335cc	1979-83	92	3	C240 OHV Diesel		2369cc	1968-74	109	1
	D16A6	1590cc	1989-92	89	3		G161Z	1584cc	1976-79	110	1
Integra	D16Z6	1590cc	1988-on	90	1	4BA1 OHV Diesel		2775cc	1976-79	106	1
	EW2	1488cc	1987-95	95	3		4BB1 Diesel	3595cc	1973-79	106	2
Jazz	ER	1231cc	1981-86	94	3	150 KA	4BD1 Diesel	3856cc	1980-84	106	3
Legend	C27A1	2675cc	1987-90	96	3		C190 OHV Diesel	1951cc	1975-82	108	1
Prelude	A18A	1829cc	1984-85	97	2	250TL	C240 OHV Diesel	2369cc	1968-74	109	1
	A20A CARB & EFI	1955cc	1986-87	88	1		C240 OHC Diesel	2369cc	1968-74	109	1
	B20A	1955cc	1987-91	88	2	350 KS	4BB1 Diesel	3595cc	1973-79	106	2
	B20A3 DOHC	1958cc	1987-91	88	3		4ZA1	1584cc	1981-on	111	3
	B20A5 DOHC	1958cc	1987-91	89	1	Fargo	4ZB1 OHC Petrol	1817cc	1982-87	112	1
	EL OHC	1602cc	1977-83	93	2		C190 OHV Diesel	1951cc	1977-82	108	1
	ES	1829cc	1983-85	95	1	Florian	G180Z	1817cc	1983	110	2
	ET	1829cc	1984-86	95	2		6BB1 Diesel	5393cc	1976-78	107	1
	F22A	2156cc	1989-95	96	1	Forward	6BD1 Diesel	5785cc	1976-84	107	2
	BA B20A DOHC	1958cc	1985-87	88	1		6VD1	3165cc	1992-98	113	3
	SN EK	1751cc	1978-80	93	1	Frontera	4XC1	1471cc	1985-90	111	2
	AB100 ET	1829cc	1983-86	95	2		Gemini	4XC1	1471cc	1985-90	111
	AB110 ET	1829cc	1983-86	95	2	Jackaroo	6VD1	3165cc	1992-98	113	3
	1800 EK	1751cc	1976-78	93	1		6VE1	3494cc	1998-on	114	1
Quintet	1600 EP OHC	1601cc	1978-on	94	2	Journey	C190 OHV Diesel	1951cc	1976-82	108	1
							G180Z	1817cc	1983	110	2
HYUNDAI						4BA1 OHV Diesel		2775cc	1973-79	106	1
Cabriolet	GHY	1468cc	1986-87	100	1		4BB1 Diesel	3595cc	1973-79	106	2
	G4AJ	1468cc	1987-90	100	2	KB20	4BD1 Diesel	3856cc	1980-84	106	3
GL	G4DJ	1468cc	1990-94	101	2		6BB1 Diesel	5393cc	1980-84	107	1
	GHY	1468cc	1986-87	100	1	Rodeo	G161Z	1584cc	1973-86	110	1
GLS	G4AJ	1468cc	1987-90	100	2		C190 OHV Diesel	1951cc	1970-82	108	1
	G4DJ	1468cc	1990-94	101	2		C223 Diesel	2238cc	1983-88	108	2
Commercial	4D31 Diesel	3298cc	1982-on	98	1		C223T Turbo	2238cc	1984-88	108	3
	4D56 Diesel	2476cc	1986-92	99	1	SBR	4ZD1	2254cc	1985-88	112	3
	4D56T Turbo Diesel	2477cc	1985-93	99	2		4ZE1	2559cc	1993-98	113	2
	D4AE	3298cc	1982-91	98	1	SCR	6BB1 Diesel	5393cc	1976-84	107	1
	D4AF Diesel	3907cc	1991-on	98	3		6BD1 Diesel	5785cc	1976-84	107	2
	D4/AK	3298cc	1995-on	98	2	SGR	6BB1 Diesel	5393cc	1976-84	107	1
Coupe	G4GM DOHC	1795cc	1995-on	101	3		6BD1 Diesel	5785cc	1976-84	107	2
	G4DJ	1468cc	1990-94	101	2	Shuttle	4FB1 OHC Diesel	1817cc	1979-85	109	2
S Coupe	GHY	1468cc	1986-87	100	1		4FC1 OHC Diesel	1995cc	1981-90	109	3
	G4AJ	1468cc	1986-90	100	2	SJR	4ZA1	1584cc	1981-on	111	3
Excel	G4EK	1495cc	1992-on	102	3		4ZB1 OHC Petrol	1817cc	1982-84	112	1
	GHY	1468cc	1986-87	100	1	SLR	4ZC1	1994cc	1983-90	112	2
Hatch	G4AJ	1468cc	1987-90	100	2		6BB1 Diesel	5393cc	1980-83	107	1
	G4DJ	1468cc	1990-94	101	2	Trooper	6BB1 Diesel	5393cc	1977-83	107	1
Lantra	G4CN 16V DOHC	1836cc	1992-95	100	3		C223 Diesel	2238cc	1979-88	109	2
	G4GM DOHC	1795cc	1995-on	101	3	Trucks	G200Z OHC	1949cc	1983-88	110	3
	G4CR 16V DOHC	1596cc	1991-92	102	1		4JB1 Diesel	2771cc	1984-on	111	1
Pony	4G36	1238cc	1982-85	99	3		4ZE1	2559cc	1987-92	113	1
Sonata	G4CS OHC	2350cc	1989-91	101	1		6VD1	3165cc	1992-98	113	3
	G6AT V6	2972cc	1990-93	102	2		4BB1 Diesel	3595cc	1973-79	106	2
INTERNATIONAL							4BD1 Diesel	3856cc	1980-84	106	3
Tractors	AD154 Diesel	154ci	1961-78	103	1	Daimler Sovereign 4.2L		258ci	1966-72	116	1
	BD154 Diesel	154ci	1961-78	103	1		4.2L	258ci	1973-86	116	3
Trucks	SD220	220ci	1950-60	103	2	E-Type	4.2L	258ci	1964-72	116	1
	SD220	220ci	1950-60	103	2		4.2L	258ci	1968-73	116	2
	BD240	240ci	1950-68	103	3	Mark X	4.2L	258ci	1965-68	116	1
	ABD/AGD	264ci	1954-62	104	1		3.4L	3442cc	1955-69	115	2
	ABD/AGD 6.281	282ci	1968-78	104	2	MKVII	3.5L	3442cc	1949-54	115	3
	V304 V8	304ci	1959-80	104	3		2.4L	2483cc	1956-70	115	1
	V345 V8	345ci	1959-80	105	1	MKII	4.2L	258ci	1965-72	116	1
ISUZU							4.2L	258ci	1969-73	116	2
Amigo	6VE1	3494cc	1998-on	114	1	Series I	4.2L	258ci	1965-72	116	1
	G161Z	1584cc	1973-86	110	1		4.2L	258ci	1969-73	116	2
Bellet	G180Z	1817cc	1983	110	2	II	4.2L	258ci	1965-72	116	1
	C240 OHV Diesel	2369cc	1968-74	109	1		4.2L	258ci	1973-86	116	3
Bus	4BA1 OHV Diesel	2775cc	1971-79	106	1	III	4.2L	258ci	1973-86	116	3
	4BB1 Diesel	3595cc	1973-79	106	2		4.2L	258ci	1968-72	116	1
	4BD1 Diesel	3856cc	1980-84	106	3	XJS	4.2L	258ci	1965-72	116	1
Elf	C190 OHV Diesel	1951cc	1971-82	108	1		4.2L	258ci	1965-72	116	1
						XJ6	4.2L	258ci	1969-73	116	2
							4.2L	258ci	1974-78	116	3
						420G	4.2L	258ci	1965-72	116	1

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Application		Cap	Years	Pg	Col	Application		Cap	Years	Pg	Col	
JEEP												
Cherokee	2.5L	2500cc	1993-on	117	1	E2200	FE SOHC EFI	1998cc	1987-96	126	3	
	4.0L	3960cc	1994-on	117	2		VB OHC	1796cc	1969-78	135	3	
LEYLAND							R2 Diesel	2184cc	1984-90	132	2	
Marina	1746	1746cc	1972-74	118	1		RF Diesel	2184cc	1984-96	132	3	
	2623	2623cc	1972-74	119	1		S2 Diesel	2209cc	1981-84	133	2	
Morris	'B' series	1798cc	1966-70	118	2	E2200 Courier	R2 Late	2184cc	1992-96	133	1	
P76	4.4L V8	4416cc	1973-74	119	2	E3000	HA OHC	2977cc	1977-80	128	3	
Sherpa	'B' series	1798cc	1964-78	118	2	Familia	PB OHV	987cc	1967-69	131	3	
	'B' series	1798cc	1971-74	118	3		PC	985cc	1970-78	132	1	
Truck Terrier	4.4L V8	4416cc	1976-80	119	2		TC OHC	1272cc	1970-78	134	2	
MAZDA						Luce	FE SOHC Belt Drive	1998cc	1982-87	126	2	
Bongo	FE SOHC EFI	1998cc	1987-96	126	3		F6	1587cc	1982-87	125	2	
	F8 SOHC Belt Drive	1789cc	1983-87	125	3		F8 SOHC Belt Drive	1789cc	1983-87	125	3	
	PB OHV	987cc	1967-69	131	3		S2 Diesel	2209cc	1981-84	133	2	
	S2 Diesel	2209cc	1981-84	133	2		UB OHC	1490cc	1970-74	135	1	
	TB OHV	1169cc	1968-74	134	1	MPV	JE SOHC V6	2954cc	1993-99	129	2	
Boxer	ZB Diesel	4052cc	1972-1980	136	3	MP1	KL DOHC V6	2496cc	1992-on	130	1	
Bravo	WL	2500cc	1996-on	136	2	MX-5	BP DOHC 16 Valve	1840cc	1993-on	122	3	
Commercial	B series NA OHC	1586cc	1971-78	131	1		B6 DOHC 16 Valve	1597cc	1989-93	121	3	
	S2 Diesel	2209cc	1981-84	133	2	MX-6	F2 2.2 12VTurbo EFI	2184cc	1987-91	125	1	
1600	MA OHC Press Fit	1970cc	1981-83	130	3		KL V6 DOHC	2496cc	1992-on	130	1	
	NA OHC	1586cc	1971-78	131	1	Bus	HA OHC	2977cc	1977-89	128	3	
	NA OHC	1586cc	1978-82	131	2	Presto	PC	985cc	1970-78	132	1	
	VB OHC	1796cc	1969-78	135	3	Traveller	FE SOHC Belt Drive	1998cc	1984-87	126	2	
	VC OHC	1769cc	1973-78	136	1		F8 SOHC Belt Drive	1789cc	1984-96	125	3	
1800	FE SOHC Belt Drive	1998cc	1985-86	126	2	Commercial	T Series ZB Diesel	4052cc	1980-84	137	1	
	F8 SOHC Belt Drive	1789cc	1985-86	125	3	T2600	G54B Low Comp	2555cc	1978-85	120	1	
	F8 SOHC Belt Drive	1789cc	1988-96	126	1	T3000	HA OHC	2977cc	1980-84	129	1	
	MA OHC Press Fit	1970cc	1981-83	130	3	T3500	SL Diesel	3455cc	1984-89	133	3	
	NA OHC	1586cc	1971-78	131	1	1200	TB OHV	1169cc	1968-70	134	1	
	VB OHC	1796cc	1969-78	135	3	121	Hatch	B3 1.3L 8 Valve	1323cc	1987-90	120	2
	VC OHC	1769cc	1974-78	136	1			B3 1.3L 16 Valve	1323cc	1991-on	120	3
2000	FE SOHC Belt Drive	1998cc	1982-84	126	2			B5 SOHC	1498cc	1994-on	137	2
	FE SOHC EFI	1998cc	1987-96	126	3			MA OHC Circlip	1970cc	1973-78	130	2
	F8 SOHC Belt Drive	1789cc	1985-86	125	3			VC OHC	1769cc	1976-78	136	1
	MA OHC Press Fit	1970cc	1978-80	130	3	1500	NA OHC	1586cc	1971-78	131	1	
	MA OHC Circlip	1970cc	1973-78	130	2		UB OHC	1490cc	1970-74	135	1	
	R2 Diesel	2184cc	1985-88	132	2	323	B6 SOHC 8 Valve	1597cc	1985-90	121	1	
	RF Diesel	2184cc	1984-96	132	3		B6 DOHC Turbo 16V	1597cc	1989-92	122	1	
2200	F2 SOHC 12 V EFI	2184cc	1988-92	124	3		B6 SOHC 16 Valve	1597cc	1989-96	121	2	
	F2 2.2 12VTurbo EFI	2184cc	1988-91	125	1		B6 DOHC 16 Valve	1597cc	1981-98	121	3	
	F2 SOHC 12V EFI	2184cc	1987-92	124	3		D5 SOHC Chain Dr	1490cc	1982-85	123	1	
	R2 Diesel	2184cc	1985-90	132	2		E3	1296cc	1981-85	123	2	
	RF Diesel	2184cc	1984-96	132	3		E5 OHC Single Carb	1490cc	1981-85	123	3	
	S2 Diesel	2209cc	1981-84	133	2		E5 OHC Twin Carb	1490cc	1982-85	124	1	
B2200	F2 SOHC 8 Valve	2184cc	1987-92	124	2		TC OHC	1272cc	1970-78	134	2	
B2200 Bravo	R2 Late	2184cc	1992-96	133	1		UC SOHC Chain Dr	1415cc	1978-79	135	2	
B2600	G6 SOHC 12V	2606cc	1990-on	128	2	Astina SP	BP SOHC	1840cc	1989-91	122	2	
	G54B Low Comp	2555cc	1978-85	120	1		BP DOHC 16 Valve	1840cc	1989-91	122	3	
Capella	FE-E DOHC	1998cc	1987-92	127	2	4100	ZB Diesel	4052cc	1972-80	136	3	
	F8 SOHC Belt Drive	1789cc	1988-96	126	1	T4100	ZB Diesel	4052cc	1972-80	136	3	
	NA OHC	1586cc	1971-78	131	1	616	NA OHC	1586cc	1971-78	131	1	
	NA OHC	1586cc	1978-82	131	2	626	FE SOHC Belt Drive	1998cc	1982-87	126	2	
Bus	UA	1484cc	1971-77	134	3		FE SOHC EFI	1998cc	1987-96	126	3	
Duc9	UA	1484cc	1971-72	134	3		FE-T Turbo SOHC	1998cc	1985-87	127	1	
Commercial	E series HA OHC	2977cc	1978-89	128	3		FE-T DOHC	1998cc	1987-92	127	3	
	R2 Diesel	2184cc	1984-96	132	2		FS DOHC 16V EFI	1991cc	1992-96	128	1	
	RF Diesel	2184cc	1984-96	132	3		F2 SOHC 12V EFI	2184cc	1987-91	124	3	
	S2 Diesel	2209cc	1981-84	133	2		F2 2.2 12VTurbo EFI	2184cc	1987-91	125	1	
	UC SOHC Chain Dr	1415cc	1978-81	135	2		F6	1587cc	1982-87	125	2	
	ZB Diesel	4052cc	1980	136	3		KL V6 DOHC	2496cc	1992-on	130	1	
Eunos	KL V6 DOHC	2496cc	1994-on	130	1		MA OHC Press Fit	1970cc	1978-80	130	3	
1300	TC OHC	1272cc	1970-78	134	2		MA OHC Circlip	1970cc	1973-78	130	3	
1400	D5 SOHC Chain Dr	1490cc	1981-86	123	1	808	RF Diesel	2184cc	1984-96	132	2	
	UC SOHC Chain Dr	1415cc	1978-81	135	2		R2 Diesel	2184cc	1984-85	132	2	
	VC OHC	1769cc	1973-78	136	1		NA OHC	1586cc	1977-78	131	1	
E1600	NA OHC	1586cc	1971-78	131	1		TC OHC	1272cc	1972-77	134	2	
E1800	F8 SOHC Belt Drive	1789cc	1985-87	125	3	929	FE SOHC EFI	1998cc	1987-96	126	3	
	F8 SOHC Belt Drive	1789cc	1990-92	126	1		F2 SOHC 12V EFI	2184cc	1987-92	124	3	
E2000	FE SOHC Belt Drive	1998cc	1985-86	126	2		JE SOHC 18V EFI	2954cc	1987-91	129	2	
							JE DOHC V6	2954cc	1991-99	129	3	
							KL V6 DOHC	2496cc	1992-on	130	1	
							MA OHC Press Fit	1970cc	1978-80	130	2	
							MA OHC Circlip	1970cc	1973-78	130	3	
							VB OHC	1796cc	1969-78	135	3	
							VC OHC	1769cc	1974-78	136	1	

T-V

Vehicle Model/Engine Index

Application		Cap	Years	Pg	Col	Application	Cap	Years	Pg	Co	
Toyo Ace	L Diesel	2188cc	1981-83	213	3						
	12R	1587cc	1971-83	220	3						
	14B	3660cc	1988-95	207	3						
	2L Diesel	2446cc	1984-89	214	1						
	2R	1490cc	1964-71	218	2						
	3L Diesel	2780cc	1988-on	215	2						
	5R	1994cc	1971-83	219	2						
	LY	L Diesel	2188cc	1982-83	213						3
	RY	5R	1994cc	1980-85	219						2
	YY	5R	1994cc	1985-87	219						2
	T18-SE	3T	1770cc	1980-83	226						1
	1500	2R	1490cc	1964-70	218						2
		3AC	1453cc	1980-88	202						1
4-Runner	2L Diesel	2446cc	1984-88	214	1						
	3L Diesel	2780cc	1988-on	215	2						
	3VZE V6 SOHC 12V	2959cc	1990-92	226	3						
	3Y	1998cc	1984-85	228	2						
	4Y	2237cc	1985-86	228	3						
	22R	2367cc	1983-97	223	1						
Vienta	1MZFE	2995cc	1996-on	230	2						
	3VZFE DOHC 24V	2958cc	1993-97	227	1						
TRIUMPH											
Acclaim	EN	1335cc	1981-on	231	1						
Dolomite	1998	1998cc	1975-81	232	1						
GT6	2498	2498cc	1967-75	232	2						
Spitfire	1296	1296cc	1970-73	231	2						
	1493	1493cc	1970-81	231	3						
Toledo	1296	1296cc	1970-73	231	2						
	1493	1493cc	1970-81	231	3						
TR7	1998	1998cc	1975-83	232	1						
1300	1296	1296cc	1970-73	231	2						
1500	1493	1493cc	1970-81	231	3						
2.5PI	2498	2498cc	1967-75	232	2						
2000	1998	1998cc	1971-75	231	1						
	1998	1998cc	1971-75	232	1						
	2498	2498cc	1967-75	232	2						
VOLVO											
122	B20.A.B.E.F	1986cc	1969-74	233	1						
142	B20.A.B.E.F	1986cc	1969-75	233	1						
144	B20.A.B.E.F	1986cc	1973-81	233	1						
145	B20.A.B.E.F	1986cc	1973-81	233	1						
	B30A.E	2979cc	1973-77	233	2						
164	B30A.E	2979cc	1968-74	233	2						
	B30A.E	2979cc	1968-74	233	2						
240	B20.A.B.E.F	1986cc	1973-81	233	1						



848cc Countryman; Mini Matic, MKI, MKII, Van; Moke Leyland 'A' series	948cc A35; A40; Farina Leyland 'A' series	970cc Mini Cooper, Cooper 'S' Leyland 'A' series
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YEARS	NO. OF CYLS	1959-75	4	1957-62	4	1963-on	4
BORE & STROKE	(MM)	62.940	68.260	62.940	76.200	70.612	61.925
	(IN)	2.4779	2.6874	2.4779	3.0000	2.7800	2.4380
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY						2750B	
RING SET Sizes Widths		C1217 030/040 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .126		C1217 030/040 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .126		C1553 040 .047 .047 .047 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

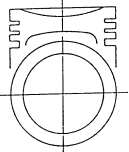
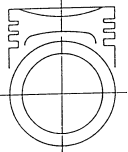
NOTES

(1) C981 original piston only.

Austin



998cc Mini Clubman, Cooper, MKII, 1000; Moke Leyland 'A' series	1071cc Mini Cooper, Cooper 'S' Leyland 'A' series	1098cc A40; Moke; Princess; Vanden Plas; 1100 MKII Leyland 'A' series
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YEARS	NO. OF CYLS	1961-81	4	1963-72	4	1962-69	4
BORE & STROKE	(MM)	64.579	76.200	70.640	61.910	64.579	83.820
	(IN)	2.5425	3.0000	2.7811	2.4374	2.5425	3.3000
PISTON HEAD TYPE		6				6	
PISTON ASSEMBLY KIT Sizes		4KRY2715 040/060 4MKRY2715 STD/040/060				4KRY2714 STD/020/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93				.0010 @ .81	
COMP HEIGHT	PIN DIA.	1.32	.625			1.17	.625
LOCKING DEVICE		CC				CC	
RING GROOVE WIDTHS		.062 .062 .062 .125				.062 .062 .062 .125	
CYLINDER SLEEVE/ASSEMBLY		2543B		2750B		2543B	
RING SET Sizes Widths		M1145 STD/020/030/040/060 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125		C1251 STD/020/040/060 .062 .062 .062 .156 C1553 040 .047 .047 .047 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		M1145 STD/020/030/040/060 .062 .062 .062 .125 M1259 STD/020/040 .062 .078 .156 PS1145 STD/020/040/060 .062 .062 .062 .125	

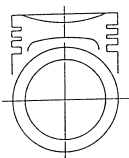
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1098cc A40; Moke; Princess; 1100, MKII Leyland 'A' series	1489cc A50; A55; Cambridge; J4; Lancer Series II Leyland 'B' series	1798cc 1800, MKI, MKII, S Leyland 'B' series
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YEARS	NO. OF CYLS	1969-81	4	1954-59	4	1964-78	4
BORE & STROKE	(MM)	64.592	83.738	73.025	88.900	80.251	88.900
	(IN)	2.5429	3.2967	2.8750	3.5000	3.1595	3.5000
PISTON HEAD TYPE						6	
PISTON ASSEMBLY KIT Sizes							
						4MKRY2711 020/040/060	
CLEARANCE & POSITION (From crown)						.0015 @ 1.15	
COMP HEIGHT	PIN DIA.					1.64	.813
LOCKING DEVICE						SC	
RING GROOVE WIDTHS						.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		2543B		2875A 2875B			
RING SET Sizes Widths		M1145 STD/020/030/040/060 .062 .062 .062 .125 M1259 STD/020/040 .062 .078 .156 PS1145 STD/020/040/060 .062 .062 .062 .125		C1361 STD .078 .078 .156		M1432 STD/040 .062 .062 .156 PS1432 STD/020 .062 .062 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

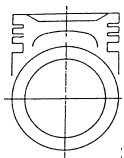
Austin Healey



1275cc

Sprite MKIV, MKV

Leyland 'A' series

YEARS	NO. OF CYLS	1967-74	4		
BORE & STROKE	(MM)	70.612	81.280		
	(IN)	2.7800	3.2000		
PISTON HEAD TYPE		22			
					
PISTON ASSEMBLY KIT		4KRY2272			
Sizes		STD/020/040/060			
		4MKRY2272			
		STD/020/040/060			
CLEARANCE & POSITION		.0015 @ 1.00			
(From crown)					
COMP HEIGHT	PIN DIA.	1.47	.813		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		.062 .062 .062 .156			
CYLINDER SLEEVE/ASSEMBLY		2750B			
RING SET		C1251			
Sizes		STD/020/040/060			
Widths		.062 .062 .062 .156			
		PS1251			
		STD/020/040/060			
		.062 .062 .062 .156			

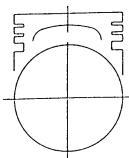
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1159cc Van 8CWT	1256cc Chevanne Van	1599cc Series CF
Holden 1159	Holden 1256	Holden 1599

YEARS	NO. OF CYLS	1966-71	4	1972-77	4	1972-73	4
BORE & STROKE	(MM)	77.749	60.960	80.950	60.960	85.725	69.240
	(IN)	3.0610	2.4000	3.1870	2.4000	3.3750	2.7260
PISTON HEAD TYPE				1 			
PISTON ASSEMBLY KIT Sizes				4KRY2766 020/040/060 4MKRY2766 020/040/060			
CLEARANCE & POSITION (From crown)				.0015 @ .984			
COMP HEIGHT	PIN DIA.			1.484			
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				0.78 .078 .187			
CYLINDER SLEEVE/ASSEMBLY		3062B			3188A 3188B		
RING SET Sizes Widths		C1253 STD/020/040/060 .078 .078 .187			C1462 STD/020/040/060 .078 .078 .187 PS1462 STD/020/040 .078 .078 .187	C1410 STD 2.000 2.000 4.750	

LEGEND

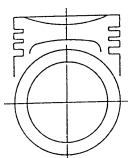
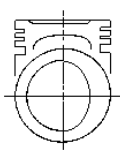
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Bedford



2279cc Series CF	173ci Series CF	202ci Series CFL, CFS
2279	Holden 173	Holden 202 Red Motor

YEARS	NO. OF CYLS	1972-84	4	1980-82	6	1971-80	6
BORE & STROKE	(MM)	97.536	76.200	88.900	76.200	92.075	82.550
	(IN)	3.8400	3.0000	3.5000	3.0000	3.6250	3.2500
PISTON HEAD TYPE				22 		224 	
PISTON ASSEMBLY KIT Sizes				6KRY2505 STD/020/030/040/060		6KRY3302 STD/020/030/040/060 6KRY9080⁽¹⁾ STD 6MKRY3302 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)				.0015 @ 1.12		.0015 @ 2.46	
COMP HEIGHT	PIN DIA.			1.78	.866	1.66	.866
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3500A 3500B		3623B	
RING SET Sizes Widths		C1692 STD .078 .078 .187		M1354 STD/020/030/040/060 .078 .078 .187 PS1354 STD/020/030/040/060 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

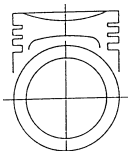
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 6MKRY9080 is .080 oversize piston for 202 engine.
 Important:- .080 oversize outside the manufacturers recommendations.



308ci Series ED, EF, EM, EN Holden 308 Red, Blue, Black	214ci Series C, D, EC, J, TA, TK 214	220ci Series TK10 220 Diesel
---	--	--

YEARS	NO. OF CYLS	1969-91	8	1957-75	6	1962-75	4
BORE & STROKE	(MM)	101.600	77.724	85.725	101.600	103.187	107.950
	(IN)	4.0000	3.0600	3.3750	4.0000	4.0625	4.2500
PISTON HEAD TYPE		22 					
PISTON ASSEMBLY KIT		8KRY5004 ⁽¹⁾ STD/020/030/040/060					
Sizes		8MKRY5004 ⁽¹⁾ STD/020/030/040/060					
CLEARANCE & POSITION (From crown)		.0010 @ 2.33					
COMP HEIGHT	PIN DIA.	1.69	.927				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.059 .059 .156					
CYLINDER SLEEVE/ASSEMBLY		4004B		3375A 3375B		PSZ4062-SF	
RING SET		M1561 ⁽²⁾ STD/020/030/040/060 .078 .078 .187		C1011 STD/030/040/060 .093 .093 .187		C1486 ⁽³⁾ STD/030 .093 .093 .093 .187 .186	
		M1848 ⁽²⁾ STD/020/030/040/060 .059 .059 .156					
		PS1561 ⁽²⁾ STD/020/030/040/060/065/080 .078 .078 .187					
		PS1848 ⁽²⁾ STD/020/030/040/060 .059 .059 .156					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

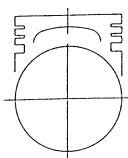
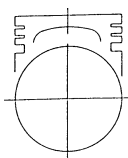
- (1) For 065 & 080 oversize pistons refer Repower catalogue.
(2) M/PS1848 has 1.5, 1.5, 4.0mm ring pack and suits new 4901, 5004 & 5800 pistons.
M/PS1561 has .078", .078", 3/16" ring pack and suits old 4900, 5002 and 2536 piston.

- (3) Sleeved engine to 1975. Parent bore 1975-on.
Note: Do not use chrome rings in chrome bores.
C1486 suits non-chrome bores only.

Bedford



292ci Series K, KC	300ci Bus VA; Series CF, EF, J; SB3	300ci Series C3, D3, J3, S3, TK
292 Petrol	300 Petrol Parent Bore	300 Petrol Sleeved

YEARS	NO. OF CYLS	1974-78	6	1971-76	6	1957-70	6
BORE & STROKE	(MM)	98.425	104.775	98.425	107.950	98.425	107.950
	(IN)	3.8750	4.1250	3.8750	4.2500	3.8750	4.2500
PISTON HEAD TYPE				1 		1 	
PISTON ASSEMBLY KIT Sizes				6MKRY5167 STD/030/060		6MKRY5167 STD/030/060	
CLEARANCE & POSITION (From crown)				.0040 @ 1.47		.0040 @ 1.47	
COMP HEIGHT	PIN DIA.			2.76	1.000	2.76	1.000
LOCKING DEVICE				SC		SC	
RING GROOVE WIDTHS				.093 .093 .187 .187		.093 .093 .187 .187	
CYLINDER SLEEVE/ASSEMBLY		3875A 3857B		3875A 3875B		FSM3875⁽¹⁾	RSA5167⁽¹⁾
RING SET Sizes Widths		M3236 STD/040 .093 .093 .187 PS3236 STD .093 .093 .187		M1487 STD/030/060 .093 .093 .187 .187		M1487 STD/030/060 .093 .093 .187 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA5167 contains FSM3875 sleeve with:
- | | |
|-----------------------|---------|
| Liner outer diameter: | 4.1228" |
| Flange diameter: | 4.4070" |
| Flange depth: | N/A |
| Flange width: | N/A |
| Liner length: | 8.4650" |



330ci

Series J, S, TK5

5.4L OHV Diesel

YEARS	NO. OF CYLS	1962-75	6		
BORE & STROKE	(MM)	103.187	107.950		
	(IN)	4.0625	4.2500		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT					
Sizes					
CLEARANCE & POSITION					
(From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY		FSZ4062^(3, 4)			
RING SET		C1486			
Sizes		STD/030			
Widths		.093 .093 .093 .187 .186			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)

RING SET - M (Moly), C (Chrome), PS (Plain)

LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(3) Press fit cast iron sleeve to replace original steel sleeve.

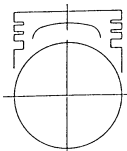
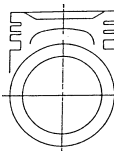
(4) FSZ4062-SF sleeve has the following specs:

Liner outer diameter: 4.2545"
 Flange diameter: 4.3700"
 Flange depth: N/A
 Flange width: .1870"
 Liner length: 8.5000"

Chevrolet



1584cc KB20; Luv	1817cc Luv Pick-Up	140ci K700
Isuzu G161Z	Isuzu G180	140

YEARS	NO. OF CYLS	1973-86	4	1/1983-12/83	4	1960-on	6
BORE & STROKE	(MM)	82.000	75.000	84.000	82.000	85.725	
	(IN)	3.2283	2.9527	3.3070	3.2283	3.3750	
PISTON HEAD TYPE		1 		22 			
PISTON ASSEMBLY KIT		4KRY2586 STD/0.50/1.00/1.50		4KRY2859 STD/020/040			
Sizes		4MKRY2586 STD/1.00		4MKRY2859 STD/020/040			
		4MKRY9090⁽¹⁾ STD/0.50/1.00					
CLEARANCE & POSITION		0.0400 @ 53.00		0.0250 @ 55.20			
(From crown)							
COMP HEIGHT	PIN DIA.	36.55	22.000	36.70	22.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY						3375A 3375B	
RING SET		M1465⁽²⁾ STD 2.000 2.000 4.000		M1570⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000		C1210 STD/030/040/060 .078 .078 .187	
Sizes		C1465⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000		M1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1210 STD/040 .078 .078 .187	
Widths		C1606⁽²⁾ STD 1.500 1.500 4.000		PS1570⁽³⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000			
		PS1465⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000		PS1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR=9.2:1.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (3) M/PS1570 contains compression rings 2.00, 2.00mm
M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.

Chevrolet



153ci 100; 300	230ci Biscayne; Camaro; Sport 100, 300	250ci All Trucks; Chevrolet cars Trucks 10, 20, 30, 40
153	230	250

YEARS	NO. OF CYLS	1962-70	4	1963-70	6	1968-84	6
BORE & STROKE	(MM)	98.425	82.550	98.425	82.550	98.425	90.487
	(IN)	3.8750	3.2500	3.8750	3.2500	3.8750	3.5625
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B		3875A 3875B		3875A 3875B	
RING SET Sizes Widths		PS3329 STD/020/030/040/060 .078 .078 .187		M3226 STD .078 .078 .187 PS3226 STD/020/030/040/060 .078 .078 .187		M3226 STD .078 .078 .187 PS3226 STD/020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Chevrolet



283ci Caprice	292ci Trucks 20	302ci Chevrolet cars
283	292	302 V8

YEARS	NO. OF CYLS	1957-67	8	1974-78	6	1967-70	8
BORE & STROKE	(MM)	98.425	76.200	98.425	104.775	101.600	76.200
	(IN)	3.8750	3.0000	3.8750	4.1250	4.0000	3.0000
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B		3875A 3875B		4004B	
RING SET Sizes Widths		M1297 STD/020/030/040 .078 .078 .187 PS1297 020/030/040/060 .078 .078 .187		M3236 STD/040 .093 .093 .187 PS3236 STD .093 .093 .187		M1478⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 M9098⁽³⁾ 005/025/035/045/065 .078 .078 .187 PS1561 STD/020/030/040/060/065/080 .078 .078 .187	

LEGEND

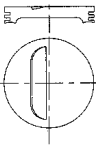
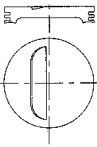
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) M1478 is a high performance ring set containing a high strength 'SG' iron top compression ring.
- (3) M9098 is a file back ring set with high strength 'SG' iron top compression ring.



350ci Camaro; Caprice; Corvette	350ci Camaro; Caprice; Chevelle; Chevrolet cars; Chevy II; Trucks 10	350ci Camaro; Caprice; Chevelle
350⁽⁷⁾	350 Performance 5.7 Inch Rod	350 Performance Low Comp 5.7 Inch Rod

YEARS	NO. OF CYLS	1968-74	8	1968-74	8	1968-74	8
BORE & STROKE	(MM)	101.600	82.550	101.600	88.392	101.600	88.392
	(IN)	4.0000	3.2500	4.0000	3.4800	4.0000	3.4800
PISTON HEAD TYPE		209 		209 		210 	
PISTON ASSEMBLY KIT	Sizes	8KRY5006 020/030/040/060		Valve Pocket Volume 3cc 8MKRY9350⁽⁴⁾ STD/020/030/040/060 8MKRY9350H⁽⁴⁾ STD/020/030/040/060		Bowl Volume 20cc 8MKRY9352⁽⁴⁾ STD/020/030/040/060 8MKRY9352H⁽⁴⁾ STD/020/030/040/060	
CLEARANCE & POSITION	(From crown)	.0010 @ 2.185		.0010 @ 2.20		.0010 @ 2.19	
COMP HEIGHT	PIN DIA.	1.539		1.560	.927	1.550	.927
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET	Sizes Widths	M1848 STD/020/030/040/060 .059 .059 .156 M1561⁽⁶⁾ STD/020/030/040/060 .078 .078 .187 PS1848 STD/020/030/040/060 .059 .059 .156 PS1561⁽⁶⁾ STD/020/030/040/060/065/080 .078 .078 .187		M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187 M9106⁽⁶⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽⁶⁾ 005/025/035/045/065 .059 .059 .156		M9106⁽⁶⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽⁶⁾ 005/025/035/045/065 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(2) M9098 is a file back ring set with high strength 'SG' iron top compression ring.

(4) 9350, 9352 & 9353 have pregapped rings.
 9350H, 9352H & 9353H have file back rings.
 9350, 9352 & 9353 compression ratio at clearance nominated:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9350 bare weight (STD) : 515gm
 9352 bare weight (STD) : 490gm
 9353 bare weight (STD) : 550gm

9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm) which can be purchased separately.

(5) M1478 is a high performance ring set containing a high strength 'SG' iron top compression ring.

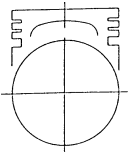
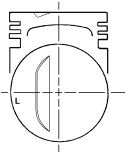
(6) M9106 ring set suits 9350, 9352, 9353 pistons. M9110 ring set is a file back ring set.

(7) Piston rings and sleeve also suitable for Chev 327.

Chevrolet



350ci Camaro; Caprice; Chevelle	350ci Camaro; Caprice; Chevelle; Corvette	
350 Performance Semi Finish 5.7 Inch Rod	350 Performance For use with 6" Rods	

YEARS	NO. OF CYLS	1968-74	8	1968-97	8	
BORE & STROKE	(MM)	101.600	88.392	101.600	88.392	
	(IN)	4.0000	3.4800	4.000	3.4800	
PISTON HEAD TYPE		1 		228 		
PISTON ASSEMBLY KIT Sizes		8MKRY9353^(1, 2) 030/040 8MKRY9353H^(1, 2) 030/040		8MKRY9359⁽⁴⁾ 020/030		
CLEARANCE & POSITION (From crown)		.0010 @ 2.20		.0010 @ 2.055		
COMP HEIGHT	PIN DIA.	1.618	.927	1.258	.927	
LOCKING DEVICE		AC		CC		
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .118		
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		M9106⁽³⁾ STD/020/030/040/060 .059 .059 .156 M9110⁽³⁾ 005/025/035/045/065 .059 .059 .156		M1932 005/020/030 .059 .059 .118		

LEGEND

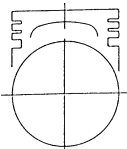
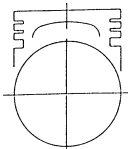
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9350 bowl volume: 3cc.
9352 bowl volume: 20cc.
9353 bowl volume: 0cc. 'Flat Top'.
- (2) 9350, 9352 & 9353 have pre-gapped rings.
9350H, 9352H & 9353H have file back rings.
9350, 9352 & 9353 compression ratio at clearance nominated:
9.8:1 @ 81cc
9.3:1 @ 88cc
8.8:1 @ 91cc
9350 bare weight (STD) : 515gm
9352 bare weight (STD) : 490gm
9353 bare weight (STD) : 550gm
- 9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm) which can be purchased separately.
- (3) M9110 ring set is a file back ring set to suit 1.5, 1.5, 4.0mm ring pack.
- (4) Proposed item. Check for availability.



170ci Coronet; Lancer; Plymouth; Valiant	198ci Coronet; Lancer; Plymouth; Valiant	215ci Centura; Ranger; Valiant Charger, VG, VH, VJ
170 Slant 6	198 Slant 6	215 Hemi

YEARS	NO. OF CYLS	1960-70	6	1960-70	6	1970-74	6
BORE & STROKE	(MM)	86.360	79.375	86.360	92.456	89.408	93.472
	(IN)	3.4000	3.1250	3.4000	3.6400	3.5200	3.6800
PISTON HEAD TYPE		1 		1 			
PISTON ASSEMBLY KIT Sizes		6KRY2643 040/060		6KRY2643 040/060			
CLEARANCE & POSITION (From crown)		.0020 @ 1.05		.0020 @ 1.05			
COMP HEIGHT	PIN DIA.	1.74	.901	1.74	.901		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187			
CYLINDER SLEEVE/ASSEMBLY		3401B		3401B			
RING SET Sizes Widths		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		C1325 STD .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



225ci AP5; AP6; Coronet; Lancer; Plymouth; Valiant R, S, VC, VE, VF, VIP	245ci Centura, GL; CK; CL; CM; KB; KC; Valiant, Charger, VG, VH, VIP, VJ, VK	265ci Centura, XL; CH; CJ; CK; CL; CM; CV Series CV Series; Valiant Charger, VH, VK
225 Slant 6	245 (Incl. Hi comp.)	265

YEARS	NO. OF CYLS	1960-70	6	1970-80	6	1971-80	6
BORE & STROKE	(MM)	86.360	104.775	95.504	93.472	99.314	93.472
	(IN)	3.4000	4.1250	3.7600	3.6800	3.9100	3.6800
PISTON HEAD TYPE		1		1		1	
PISTON ASSEMBLY KIT Sizes		6KRY2643 STD/040/060		6KRY2502 STD/040/060		6KRY2504⁽¹⁾ STD/040/060	
CLEARANCE & POSITION (From crown)		.0020 @ 1.05		.0015 @ 1.15		.0015 @ 1.12	
COMP HEIGHT	PIN DIA.	1.74	.901	1.69	.922	1.69	.922
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3401B		3750A 3750B		3911B	
RING SET Sizes Widths		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		M1296 STD/040 .078 .078 .187 PS1296 STD/040 .078 .078 .187		C1340 STD/040/060 .078 .078 .187 PS1340 STD .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Except Charger R/T Six pack with 3 twin choke carburetors.



273ci AP6; Royal; Valiant, VC, VE	301ci Plymouth; Royal; Valiant	318ci AP6; CL; CM; Plymouth; Royal; Valiant, VC, VE, VF, VG, VH, VJ, VK
273	301	318

YEARS	NO. OF CYLS	1965-69	8	1957-81	8	1958-73	8
BORE & STROKE	(MM)	92.075	84.150	99.314	79.375	99.314	84.150
	(IN)	3.6250	3.3130	3.9100	3.1250	3.9100	3.3130
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY		3623B				3911B	
RING SET Sizes Widths		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187		C1321 STD/040 .078 .078 .187		C1321 STD/040 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



360ci Valiant Charger	1996cc Neon	
360 V8	4A20	

YEARS	NO. OF CYLS	1971-on	8	1996-on	4
BORE & STROKE	(MM)	101.600	90.932	87.500	83.000
	(IN)	4.0000	3.5800	3.4450	3.2600
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY		4004B			
RING SET Sizes Widths		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187 PS1561 STD/020/030/040/060/065/080 .078 .078 .187		M1928 STD 1.20 1.20 3.00	

LEGEND

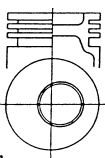
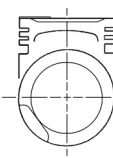
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1478 has high strength iron top ring.
 (2) M9098 is a file back ring set with high strength 'SG' iron top compression ring.



1998cc Espero	1498cc Cielo	1598cc Nubira; Lanos
Holden 2.0L FI G2 Unleaded	G15MF	A16

YEARS	NO. OF CYLS	1995-on	4	8/1994-on	4	7/1997-on	4
BORE & STROKE	(MM)	86.000	86.000	76.500	81.500	79.000	81.500
	(IN)	3.3858	3.3858	3.012	3.209	3.110	3.209
PISTON HEAD TYPE		25 		242 			
PISTON ASSEMBLY KIT Sizes		4KRY2966 STD/0.50/1.00 4MKRY2966 STD/0.50/1.00		4MKRY2996 STD/0.50/1.00 4KRY2996 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.0200 @ 42.50		0.0200 @ 42.80			
COMP HEIGHT	PIN DIA.	30.40	21.000	28.00	18.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		C1904 STD/0.50/1.00 1.500 1.500 3.000 PS1904 STD/0.50/1.00 1.500 1.500 3.000		C1922 STD 1.200 1.500 3.000	

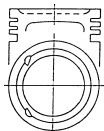
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2198cc Leganza C22SEL	1498cc Cielo; Lanos A15MF	
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YEARS	NO. OF CYLS	8/1997-on	4	10/1995-on	4	
BORE & STROKE	(MM)	86.000	94.600	76.500	81.500	
	(IN)	3.3860	3.7240	3.012	3.209	
PISTON HEAD TYPE		151 				
PISTON ASSEMBLY KIT Sizes		Bowl Volume 17.8cc 4MKRY8067 STD/0.50/1.00				
CLEARANCE & POSITION (From crown)		0.0200 @ 43.40				
COMP HEIGHT	PIN DIA.	30.40	21.000			
LOCKING DEVICE		AC				
RING GROOVE WIDTHS		1.500 1.500 3.000				
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		C1904 STD/0.50/1.00 1.500 1.500 3.000 PS1904 STD/0.50/1.00 1.500 1.500 3.000		

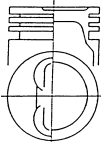
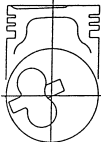
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1452cc Charmont A55; 1500	2977cc Delta, DV28, V10, V20; Series DV	3168cc Delta; Series V
Toyota 3A	Toyota B Diesel	Toyota 2B Diesel

YEARS	NO. OF CYLS	1980-88	4	1972-88	4	1977-84	4
BORE & STROKE	(MM)	77.500	77.000	95.000	105.000	98.000	105.000
	(IN)	3.0511	3.0314	3.7401	4.1338	3.8582	4.1338
PISTON HEAD TYPE		67 		62 		62 	
PISTON ASSEMBLY KIT Sizes		4MKRY8052 STD/0.50/1.00 4KRY8052 STD/0.50/0.75/1.00		4MKRY2810 STD/0.50/1.00		4MKRY2811 STD	
CLEARANCE & POSITION (From crown)		0.0200 @ 46.00		0.1000 @ 89.00		0.1300 @ 89.30	
COMP HEIGHT	PIN DIA.	30.70	18	52.30	29.000	52.20	29.000
LOCKING DEVICE		AC		CC		CC	
RING GROOVE WIDTHS		1.500 1.500 2.800		2.500 2.500 4.500		2.000 2.500 4.500	
CYLINDER SLEEVE/ASSEMBLY				FSV3740-SF⁽¹⁾ RSA2810/1⁽¹⁾		FSZ3858⁽³⁾ RSA2811⁽³⁾	
RING SET Sizes Widths		C1673 STD/0.50/1.00 1.500 1.500 2.800 PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		C1650⁽²⁾ STD 2.500 2.500 2.500 4.500 C1712 STD/0.50/1.00 2.500 2.500 4.500			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

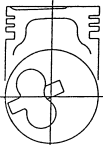
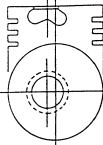
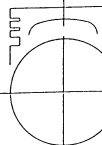
- (1) RSA2810/1 & FSZ3740: 102mm O.D.
 RSA2810/1-SF & FSZ3740-SF: 102mm O.D.
 RSA2810/2-SF & FSX3740R-SF: 100mm O.D.
 RSA2810/3-SF & FSV3740-SF: 99mm O.D.
 For further tech info. refer back of catalogue.

- (2) C1650 suits pistons with 3 compression rings.
 C1712 suits later model pistons as well as 2810 pistons.

- (3) RSA2811 contains FSZ3858 sleeve.
 RSA2811-SF contains FSZ3858-SF sleeve with:
 Liner outer diameter: 102.040mm.
 Flange diameter: 107.675mm.
 Flange depth: 1.250mm.
 Flange width: 2.535mm.
 Liner length: 189.800mm.



3431cc Delta	3431cc Delta	1166cc Delta 750; KD10
Toyota 3B Diesel	Toyota 13B Diesel	Toyota 3K

YEARS	NO. OF CYLS	1980-88	4	1984-98	4	1970-83	4
BORE & STROKE	(MM)	102.000	105.000	102.000	105.000	75.000	66.000
	(IN)	4.0157	4.1338	4.0157	4.1338	2.9527	2.5984
PISTON HEAD TYPE		62 		112 		1 	
PISTON ASSEMBLY KIT		4MKRY2812		4MKRY2910		4KRY2509	
Sizes		STD		STD		STD/020/040/060	
						4MKRY2509	
						STD	
CLEARANCE & POSITION		0.0100 @ 100.00		0.0650 @ 80.00		0.0400 @ 62.50	
(From crown)							
COMP HEIGHT	PIN DIA.	52.20	32.000	63.40	34.000	35.48	18.000
LOCKING DEVICE		AC		SC		CC	
RING GROOVE WIDTHS		2.000 2.500 4.500		2.500 2.500 4.500		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ4016-SF⁽¹⁾ RSA2812-SF⁽¹⁾		FSZ4016-SF⁽²⁾ RSA2910-SF⁽²⁾		2952A 2952B	
RING SET		C1709		C1820		C1247⁽³⁾	
Sizes		STD		STD		STD/040/060	
Widths		2.500 2.500 4.500		2.500 2.500 4.500		2.000 2.000 4.000	
						C1539⁽³⁾	
						STD	
						2.000 2.000 4.000	
						PS1247⁽³⁾	
						STD/020/040/060	
						2.000 2.000 4.000	
						PS1539	
						STD	
						2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2812-SF contains FSZ4016-SF sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.

- (2) RSA2910-SF contains FSZ4016-SF sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.

- (3) C1539 / PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0, 2.0, 4.0mm ring configurations. Some late models use 1.5, 1.5, 4.0mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring. C/PS1247 has 4.0mm radial depth oil ring.



1290cc Delta 750; KD10 Toyota 4K	1994cc(2) Bus SV23; Delta, DV23, V30, V30, V31, V32, V34; Series DV Toyota 5R	1587cc Bus SV17L, SV17T, SV1711; E20VD; F20; Series F Toyota 12R
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YEARS	NO. OF CYLS	1970-85	4	1968-83	4	1971-83	4
BORE & STROKE	(MM)	75.000	73.000	88.000	82.000	80.500	78.000
	(IN)	2.9527	2.8740	3.4645	3.2283	3.1692	3.0708
PISTON HEAD TYPE		1		1		1	
PISTON ASSEMBLY KIT Sizes		4KRY2509 STD/020/040/060 4MKRY2509 STD		4KRY2534 STD/020/040/060		4KRY2541 STD/020/040/060	
CLEARANCE & POSITION (From crown)		0.0400 @ 62.50		0.0640 @ 24.50		0.0500 @ 25.00	
COMP HEIGHT	PIN DIA.	35.48	18.000	39.00	22.000	39.00	20.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.500 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		2952A 2952B		3431B			
RING SET Sizes Widths		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000 C1539⁽¹⁾ STD 2.000 2.000 4.000 PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1539⁽¹⁾ STD 2.000 2.000 4.000		C1298 STD/020/040/060 2.000 2.500 4.000 PS1298 STD/020/040/060 2.000 2.500 4.000		M1554⁽²⁾ STD 2.000 2.000 4.000 C1554⁽²⁾ STD/020/040/060 2.000 2.000 4.000 PS1554⁽²⁾ STD/020/040/060 2.000 2.000 +4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

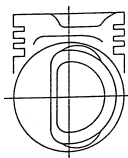
NOTES

⁽¹⁾ C1539 / PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0, 2.0, 4.0mm ring configurations. Some late models use 1.5, 1.5, 4.0mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring C/PS1247 has 4.0mm radial depth oil ring

⁽²⁾ C/M/PS1554 do not suit original piston after engine no. 12R1356135.



1626cc Delta Toyota 1Y	1812cc Delta Toyota 2Y	1998cc Delta; Rocky F80, F85; Rocky 4WD; Series F Toyota 3Y
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YEARS	NO. OF CYLS	1983-85	4	1983-85	4	1983-88	4
BORE & STROKE	(MM)	86.000	70.000	86.000	78.000	86.000	86.000
	(IN)	3.3858	2.7559	3.3858	3.0708	3.3858	3.3858
PISTON HEAD TYPE				182 			
PISTON ASSEMBLY KIT Sizes				4KRY2818 STD/0.50/1.00 4MKRY2818 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				0.0300 @ 55.00			
COMP HEIGHT	PIN DIA.			34.70	22.000	34.40	22.000
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B	3375A 3375B		
RING SET Sizes Widths		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00 1.500 1.500 4.000	

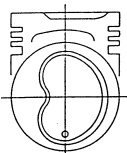
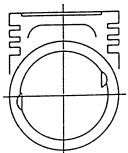
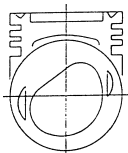
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2237cc Delta; Rocky 4WD Toyota 4Y	993cc Charade CB OHC	993cc Charade G100, G11 Hi-Jet CB OHC
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YEARS	NO. OF CYLS	1983-86	4	1977-83	3	1984-93	3
BORE & STROKE	(MM)	91.000	86.000	76.000	73.000	76.000	73.000
	(IN)	3.5826	3.3858	2.9921	2.8740	2.9921	2.8740
PISTON HEAD TYPE		173 		181 		191 	
PISTON ASSEMBLY KIT Sizes		4KRY2858 STD/0.50/1.00 4MKRY2858 STD/0.50/1.00		3MKRY2896 STD/0.50/1.00		3MKRY2918 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 55.00		0.0200 @ 45.00		0.0200 @ 45.00	
COMP HEIGHT	PIN DIA.	34.60	22.000	28.00	18.000	28.10	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1744 STD/0.50/1.00 1.500 1.500 4.000 PS1744 STD/0.50/1.00 1.500 1.500 4.000		C1791 STD/0.50/1.00 1.500 1.500 2.800		C1791 STD/0.50/1.00 1.500 1.500 2.800	

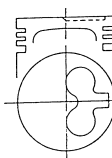
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2530cc Bus SV18, SV23, SV24, SV26, SV32, SV4; Delta, DV32; D200; D300; Series D, DV; Vesta DG Diesel	2765cc Delta V22, V23, V24, V26, V57; F60; F65; F75; Rocky F70, F75, F77, F87; Rocky 4WD; Series F; VBG DL Diesel	2765cc Delta; Rocky 4WD DL Diesel
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YEARS	NO. OF CYLS	1968-84	4	1982-87	4	1984-93	4
BORE & STROKE	(MM)	88.000	104.000	92.000	104.000	92.000	104.000
	(IN)	3.4645	4.0944	3.6220	4.0944	3.6220	4.0944
PISTON HEAD TYPE						10 	
PISTON ASSEMBLY KIT Sizes						4MKRY2919 1.00	
CLEARANCE & POSITION (From crown)						0.0500 @ 64.00	
COMP HEIGHT						50.50	
LOCKING DEVICE						SC	
RING GROOVE WIDTHS						2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				FSY3622-SF⁽²⁾			
RING SET Sizes Widths		C1464⁽¹⁾ STD 2.000 2.000 2.000 4.000 4.000 C1758⁽¹⁾ STD 2.500 2.000 4.000		C1759 STD/1.00 2.500 2.000 4.000		C1759 STD/1.00 2.500 2.000 4.000	

LEGEND

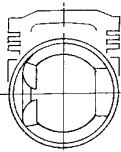
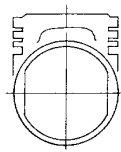
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1464 suits 2607 5 ring piston discarding the cast iron oil ring it is also suitable for re-ringing 4 ring pistons. C1758 suits later models with 3 rings.
- (2) FSY3622-SF sleeve has:
 Liner outer diameter: 96.000mm.
 Flange diameter: 101.000mm.
 Flange depth: 1.000mm.
 Flange width: 3.000mm.
 Liner length: 178.000mm.



1295cc Charade	1589cc Applause A101; Feroza	
HCE OHC	HDE OHC EFI	

YEARS	NO. OF CYLS	1988-93	4	1988-92	4	
BORE & STROKE	(MM)	76.000	71.400	76.000	87.600	
	(IN)	2.9921	2.8110	2.9921	3.4488	
PISTON HEAD TYPE		220 		221 		
PISTON ASSEMBLY KIT Sizes		4MKRY2930 STD/0.50/1.00		4MKRY2931 STD/0.50/1.00		
CLEARANCE & POSITION (From crown)		0.02 @ 53.40		0.0200 @ 47.20		
COMP HEIGHT	PIN DIA.	29.90	19.00	30.20	19.00	19.000
LOCKING DEVICE		AC		AC		
RING GROOVE WIDTHS		1.200 1.500 3.000		1.200 1.500 3.000		
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		C1837 STD/0.50/1.00 1.200 1.500 3.000		C1837 STD/0.50/1.00 1.200 1.500 3.000		

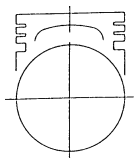
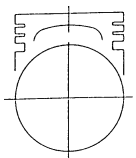
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



215ci AT4 Chrysler 215 Hemi	225ci AT4 Chrysler 225 Slant 6	245ci AT4 Chrysler 245 (Incl. Hi comp.)
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YEARS	NO. OF CYLS	1970-74	6	1960-70	6	1970-80	6
BORE & STROKE	(MM)	89.408	93.472	86.360	104.775	95.504	93.472
	(IN)	3.5200	3.6800	3.4000	4.1250	3.7600	3.6800
PISTON HEAD TYPE				1 		1 	
PISTON ASSEMBLY KIT Sizes				6KRY2643 040/060		6KRY2502 040/060	
CLEARANCE & POSITION (From crown)				.0020 @ 1.05		.0015 @ 1.15	
COMP HEIGHT	PIN DIA.			1.74	.901	1.69	.922
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3401B		3750A 3750B	
RING SET Sizes Widths		C1325 STD .078 .078 .187		C1071 STD/040/060 .078 .078 .187 PS1071 STD/020/040/060 .078 .078 .187		M1296 STD/040 .078 .078 .187 PS1296 STD/040 .078 .078 .187	

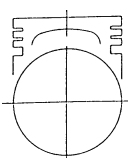
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



265ci AT4 Chrysler 265	273ci Coronet AW2,BW2; Dart VL2,AL2 273	318ci AT4; Coronet; D3F; D5N; Phoenix 330, 440 318
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YEARS	NO. OF CYLS	1971-80	6	1964-69	8	1960-81	8
BORE & STROKE	(MM)	99.314	93.472	92.075	84.074	99.314	84.074
	(IN)	3.9100	3.6800	3.6250	3.3100	3.9100	3.3100
PISTON HEAD TYPE		1 					
PISTON ASSEMBLY KIT Sizes		6KRY2504⁽¹⁾ STD/040/060					
CLEARANCE & POSITION (From crown)		.0015 @ 1.12					
COMP HEIGHT	PIN DIA.	1.69	.922				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.078 .078 .187					
CYLINDER SLEEVE/ASSEMBLY		3911B		3623B		3911B	
RING SET Sizes Widths		C1340 STD/040/060 .078 .078 .187 PS1340 STD .078 .078 .187		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187		C1148 STD/040 .078 .078 .187	

LEGEND

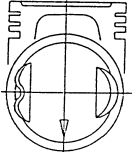
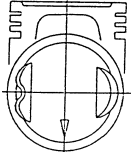
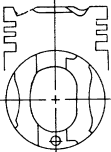
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Except Charger R/T Six pack with 3 twin choke carburetors.



1323cc Festiva	1597cc Capri SA, SC, SE; Laser KC, KE; Meteor GC	1597cc Laser KF, KH
Mazda B3 1.3L 8 Valve	Mazda B6Y SOHC 8 Valve	Mazda B6 SOHC 16 Valve

YEARS	NO. OF CYLS	1987-90	4	1985-92	4	1990-94	4
BORE & STROKE	(MM)	71.000	83.600	78.000	83.600	78.000	83.600
	(IN)	2.7952	3.2913	3.0708	3.2913	3.0708	3.2913
PISTON HEAD TYPE		64 		64 		202 	
PISTON ASSEMBLY KIT		4MKRY2890		4KRY8041⁽¹⁾		4MKRY8042⁽²⁾	
Sizes		STD/0.50/1.00		STD/0.50/0.75/1.00		STD/0.50/1.00	
				4MKRY8041⁽¹⁾		4KRY8042⁽²⁾	
				STD/0.50/1.00		STD/0.50/0.75/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 48.00		0.0200 @ 46.70		0.0200 @ 47.30	
COMP HEIGHT	PIN DIA.	28.40	20.000	31.40	20.000	32.00	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY				3062B			
RING SET		C1797		M1729⁽¹⁾		M1821	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.200 1.500 3.000		1.500 1.500 4.000		1.500 1.500 3.000	
				M1821⁽¹⁾		C1821	
				STD/0.50/1.00		STD/0.50/1.00	
				1.500 1.500 3.000		1.500 1.500 3.000	
				PS1729⁽¹⁾		PS1821	
				STD/0.50/0.75/1.00		STD/0.50/1.00	
				1.500 1.500 4.000		1.500 1.500 3.000	
				PS1821⁽¹⁾			
				STD/0.50/1.00			
				1.500 1.500 3.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4KRY/4MKRY8041 supersedes 4KRY/4MKRY2842 upon consumption of all 2842 pistons.

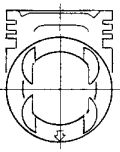
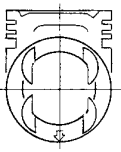
NEW 8041 piston uses M/PS1821 ring set with 1.5,1.5,3.0mm rings.

2842 piston uses M/PS1729 ring set with 1.5,1.5,4.0mm rings.

- (2) 4KRY/4MKRY8042 supersedes 4KRY/4MKRY2902 upon consumption of all 2902 pistons.



1597cc Capri SA, SB, SC, SE; Laser KJ, KL	1597cc Capri SA	1840cc Laser KF, KH; TX3
Mazda B6 DOHC 16 Valve	Mazda B6 DOHC Turbo 16V	Mazda BP SOHC

YEARS	NO. OF CYLS	1989-99	4	1989-92	4	1989-94	4
BORE & STROKE	(MM)	78.000	83.600	78.000	83.600	83.000	85.000
	(IN)	3.0708	3.2913	3.0708	3.2913	3.2677	3.3464
PISTON HEAD TYPE		212 				212 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 10.5cc 4KRY8044 STD/0.50/0.75/1.00 4MKRY8044 STD/0.50/1.00 4MKRY8043⁽²⁾ STD/0.50/0.75/1.00 Bowl Volume 7.8cc				Bowl Volume 6cc 4KRY8046 STD/0.50/0.75/1.00 4MKRY8046 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 47.30				0.0200 @ 46.20	
COMP HEIGHT	PIN DIA.	32.00	20.000			30.20	20.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		1.500 1.500 3.000				1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B		3062B			
RING SET Sizes Widths		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 C1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1729⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1850 STD/0.50/1.00 1.500 1.500 3.000 PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000	

LEGEND

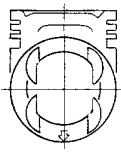
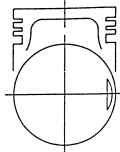
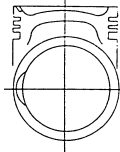
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1729 ring set suits some original models with 1.5, 1.5, 4.0mm rings.
M/PS1821 ring sets suit 8044 piston with 1.5, 1.5, 3.00mm rings.
(2) 8043 piston same as 8044 except for smaller bowl.



1840cc Laser KF, KH, KJ, KL; TX3 Mazda BP DOHC 16 Valve	1296cc Laser KA, KB, KC, KE; Meteor GA, GB, GE Mazda E3	1490cc Laser, KA, KB; Meteor GA, GB Mazda E5 OHC Single Carb
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YEARS	NO. OF CYLS	1989-99	4	1981-85	4	1981-85	4
BORE & STROKE	(MM)	83.000	85.000	77.000	69.600	77.000	80.000
	(IN)	3.2677	3.3464	3.0314	2.7401	3.0314	3.1496
PISTON HEAD TYPE		212		44		133	
PISTON ASSEMBLY KIT		Bowl Volume 2.6cc				Bowl Volume 7.2cc	
Sizes		4KRY8047		4KRY8048⁽¹⁾		4KRY8049	
		STD/0.50/0.75/1.00		STD/0.50/0.75/1.00/1.50		STD/0.50/0.75/1.00/1.50	
		4MKRY8047		4MKRY8048⁽¹⁾		4MKRY8049	
		STD/0.50/1.00		STD/0.50/0.75/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0200 @ 46.20		0.0200 @ 43.90		0.0200 @ 43.90	
(From crown)							
COMP HEIGHT	PIN DIA.	30.20	20.000	28.60	20.000	28.60	20.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1850		M1656⁽²⁾		M1656⁽²⁾	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 3.000		1.200 1.500 4.000		1.200 1.500 4.000	
		PS1850		M1657⁽²⁾		M1657⁽²⁾	
		STD/0.50/0.75/1.00		STD/0.50/1.00		STD/0.50/1.00	
		1.500 1.500 3.000		1.500 2.000 4.000		1.500 2.000 4.000	
				PS1656⁽²⁾		PS1656⁽²⁾	
				STD/0.50/0.75/1.00/1.50		STD/0.50/0.75/1.00/1.50	
				1.200 1.500 4.000		1.200 1.500 4.000	
				PS1657⁽²⁾		PS1657⁽²⁾	
				STD/0.50/0.75/1.00		STD/0.50/0.75/1.00	
				1.500 2.000 4.000		1.500 2.000 4.000	

LEGEND

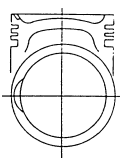
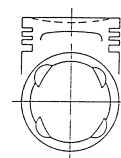
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Original piston has a small step. ACL piston 8048 has had step removed to lower compression for engine rebuilding.
- (2) M/PS1656 consists of 1.20, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 & 4.00 wide rings.



1490cc Laser KB	2184cc Courier; Econovan; Spectron; Telstar AT, AV	2184cc Courier; Telstar, AT, AV
Mazda E5 OHC Twin Carb	Mazda F2 SOHC 8 Valve	Mazda F2 SOHC 12 Valve EFI

YEARS	NO. OF CYLS	1981-85	4	1987-92	4	1987-92	4
BORE & STROKE	(MM)	77.000	80.000	86.000	94.000	86.000	94.000
	(IN)	3.0314	3.1496	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE		133 		64 		148 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 2.4cc 4KRY8050⁽¹⁾ STD/0.50/0.75/1.00/1.50 4MKRY8050⁽¹⁾ STD/0.50/1.00		4KRY8021 STD/0.50/0.75/1.00 4MKRY8021 STD/0.50/1.00		4KRY8020 STD/0.50/0.75/1.00 4MKRY8020 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 43.90		0.0300 @ 46.00		0.0300 @ 46.50	
COMP HEIGHT	PIN DIA.	28.60	20.000	35.90	22.000	36.40	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1656⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000 M1657⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1656⁽²⁾ STD/0.50/0.75/1.00/1.50 1.200 1.500 4.000 PS1657⁽²⁾ STD/0.50/0.75/1.00 1.500 2.000 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000 PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000 PS1825 STD/0.50/0.75/1.00 1.500 1.500 4.000	

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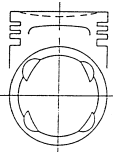
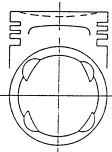
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Original piston is a flat top. ACL has inserted a bowl.
- (2) M/PS1656 consists of 1.20, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 & 4.00 wide rings.



2184cc Telstar AT, AV Mazda F2 2.2L 12V Turbo EFI	1991cc Telstar, AX, AY Mazda FS DOHC 16 Valve EFI	1587cc Econovan Mazda F6
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YEARS	NO. OF CYLS	1987-91	4	1993-96	4	1982-87	4
BORE & STROKE	(MM)	86.000	94.000	83.000	92.000	81.000	77.000
	(IN)	3.3858	3.7007	3.2677	3.6220	3.1889	3.0314
PISTON HEAD TYPE		148 		148 			
PISTON ASSEMBLY KIT		4MKRY2963		4MKRY2943			
Sizes		0.50/1.00		0.50/1.00			
CLEARANCE & POSITION		0.0300 @ 50.00		0.0250 @ 50.00			
(From crown)							
COMP HEIGHT	PIN DIA.	36.500	22.000	29.60	19.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.00		1.200 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1825		C1857		M1719	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 4.000		1.200 1.500 3.000		1.500 1.500 4.000	
						PS1719	
						STD/0.50/1.00	
						1.500 1.500 4.000	

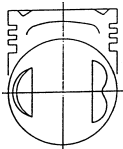
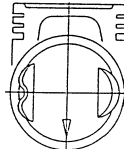
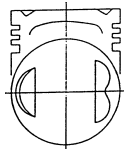
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1789cc Econovan; Spectron	1998cc Courier, SG; Econovan, 2.0; Spectron; Telstar AR, AS	1998cc Courier; Econovan; Spectron; Telstar, AR, AS, AT
Mazda F8 SOHC Belt Drive	Mazda FE SOHC Belt Drive	Mazda FE SOHC EFI

YEARS	NO. OF CYLS	1983-97	4	1983-86	4	1987-on	4
BORE & STROKE	(MM)	86.000	77.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.0314	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		175 		64 		175 	
PISTON ASSEMBLY KIT		4KRY2824 STD/0.50/1.00		4KRY2737 STD/0.50/0.75/1.00/1.50 4MKRY2737 STD/0.50/1.00/1.50		4KRY2824 STD/0.50/1.00	
CLEARANCE & POSITION		0.0300 @ 45.7		0.03 @ 45.7		0.03 @ 45.7	
COMP HEIGHT	PIN DIA.	33.60	22.000	33.6	22.000	33.60	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

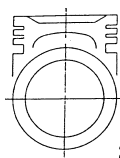
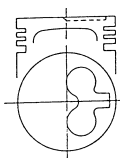
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Telstar	2606cc Courier; Raider	2977cc Trader
Mazda FE-E DOHC	Mazda G6 SOHC 12 Valve	Mazda HA OHC

YEARS	NO. OF CYLS	1987-on	4	1991-on	4	1980-89	4
BORE & STROKE	(MM)	86.000	86.000	92.000	98.000	95.000	105.000
	(IN)	3.3858	3.3858	3.6220	3.8582	3.7401	4.1338
PISTON HEAD TYPE				22  Bowl Volume 23.7cc 4MKRY8064 STD/0.50/1.00		10  4MKRY2872⁽³⁾ STD	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)				0.03 @ 67.5			
COMP HEIGHT	PIN DIA.			35.8	23.000	53.50	30.000
LOCKING DEVICE				AC		SC	
RING GROOVE WIDTHS				1.500 1.500 4.000		2.380 2.380 4.75	
CYLINDER SLEEVE/ASSEMBLY						FSY3740^(1, 2)	RSA2872^(1, 2, 3)
RING SET Sizes Widths		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000		C1824 STD/0.50/1.00 1.500 1.500 4.000		M1737 STD/0.50/1.00 2.380 2.380 4.750	

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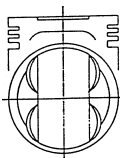
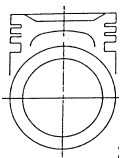
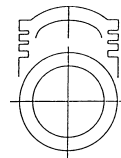
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2849 & 2872 contain FSY3740R sleeve.
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (2) RSA2849 & 2872-SF contain sleeve with:
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (3) Contains armoured (Alfin) top ring groove.



2496cc Telstar AX, AY, Probe Mazda KL V6 DOHC	1970cc Courier Mazda MA OHC	1586cc Courier; Econovan Mazda NA OHC
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YEARS	NO. OF CYLS	1992-98	6	1980-83	4	1971-78	4
BORE & STROKE	(MM)	84.500	74.200	80.000	98.000	78.000	83.000
	(IN)	3.3267	2.9212	3.1496	3.8582	3.0708	3.2677
PISTON HEAD TYPE		194 		22 		15 	
PISTON ASSEMBLY KIT Sizes		6MKRY2961 STD/0.50/1.00		4KRY2937 STD/0.50/1.00/1.50 4MKRY2937 STD/0.50/1.00		4KRY2647 0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		0.02 @ 41.00				0.0500 @ 24.00	
COMP HEIGHT	PIN DIA.	29.15	20.000	35.70	20.000	38.07	22.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1868 STD/0.50/1.00 1.500 1.500 3.000		M1599⁽¹⁾ STD 1.200 1.500 4.000 M1655⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 C1599⁽¹⁾ STD/0.50/1.00 1.200 1.500 4.000 PS1599⁽¹⁾ STD/0.50/1.00/1.50 1.200 1.500 4.000		M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 M1604 STD/0.50/0.75/1.00 1.20 1.50 4.00	

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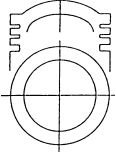
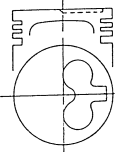
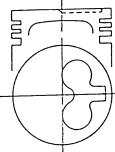
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ Alternative ring sets but not listed above in catalogue.
 M1707 contains 1.5, 1.5, 4.0mm rings
 M1655 contains 1.5, 2.0, 4.0mm rings
 C/PS1476 contains 2.0, 2.0, 4.0mm rings.



1586cc Courier; Econovan, 1.6 Mazda NA OHC	1998cc Spectron Mazda RF Diesel OHC	2184cc Courier, SG, 2200; Econovan Mazda R2 Diesel
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YEARS	NO. OF CYLS	1978-82	4	1978-92	4	1978-92	4
BORE & STROKE	(MM)	78.000	83.000	86.000	86.000	86.000	94.000
	(IN)	3.0708	3.2677	3.3858	3.3858	3.3858	3.7007
PISTON HEAD TYPE		15 		10 		10 	
PISTON ASSEMBLY KIT		4KRY2706 STD/0.50/1.00/1.50 4MKRY2706 STD/0.50/0.75/1.00		4MKRY2848 STD/0.50/1.00		4MKRY2848 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0500 @ 24.50		0.0400 @ 56.30		0.0400 @ 56.30	
(From crown)							
COMP HEIGHT	PIN DIA.	38.45	20.000	47.30	25.000	47.30	25.000
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		1.200 1.500 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				FSZ3386-SF⁽²⁾ RSA2848-SF⁽²⁾		FSZ3386-SF⁽²⁾ RSA2848-SF^(3, 2)	
RING SET		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000 M1790 STD 1.500 2.000 4.000 PS1604 STD/0.50/1.00/1.50 1.200 1.500 4.000 C1362 STD/0.50/1.00 1.50 1.50 4.00		M1733 STD/0.50/1.00 2.000 2.000 4.000		M1733 STD/0.50/1.00 2.000 2.000 4.000	
Sizes							
Widths							

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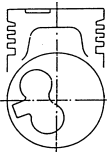
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) RSA2848-SF contains PSZ3386-SF.
 PSZ3386-SF is a plain liner.
 Liner outer diameter: 90.00mm.
 Liner length: 180.00mm.
 (3) RSA2878 & A2848 pistons suit to 1990.
 1990 on uses short skirt version piston
 which is currently not a stock item.



2209cc Courier; Econovan, 2.2	1415cc Econovan 1.4	3455cc Trader
Mazda S2 Diesel	Mazda UC SOHC Chain Drive	Mazda SL Diesel

YEARS	NO. OF CYLS	1979-84	4	1978-81	4	1984-89	4
BORE & STROKE	(MM)	88.900	89.000	77.000	76.000	100.000	110.000
	(IN)	3.5000	3.5039	3.0314	2.9921	3.9370	4.3307
PISTON HEAD TYPE		95 		58 		158 	
PISTON ASSEMBLY KIT		4MKRY2741 STD/0.50/1.00		4KRY2699 0.50/1.00/1.50 4MKRY2699 0.50		RSA2873^(3,4)	
Sizes							
CLEARANCE & POSITION		0.0800 @ 75.00		0.0400 @ 22.00			
(From crown)							
COMP HEIGHT	PIN DIA.	50.75	28.000	30.58	20.000	58.00	34.000
LOCKING DEVICE		SC		AC		SC	
RING GROOVE WIDTHS		2.380 2.380 4.750		1.500 1.500 4.000		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSZ3500^(1, 2) RSA2741^(1, 2)				FSX3937^(3, 4) RSA2873^(3, 4)	
RING SET		C1658 STD/0.50/1.00 2.380 2.380 4.750		C1600 STD/0.50/1.00 1.500 1.500 4.000 PS1600 STD/0.50/1.00/1.50 1.500 1.500 4.000			
Sizes							
Widths							

LEGEND

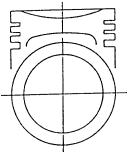
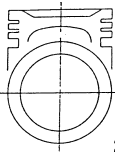
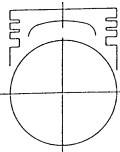
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|---|---|
| <p>(1) RSA2741 contains FSZ3500 sleeve.
 Liner outer diameter: 96.920mm.
 Flange diameter: 100.940mm.
 Flange depth: 0.630mm.
 Flange width: 3.775mm.
 Liner length: 166.900mm.</p> <p>(2) RSA2741-SF contains FSZ3500-SF sleeve.
 Liner outer diameter: 96.840mm.
 Flange diameter: 101.000mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 167.100mm.</p> | <p>(3) FSX3937 is 'B' grade liner with:
 Liner outer diameter: 103.485mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.</p> <p>(4) RSA2873 contains 'A' grade liner with:
 Liner outer diameter: 103.470mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.</p> |
|---|---|



1769cc Courier, 1800	1769cc Courier 1800	4052cc Trader
Mazda VC OHC	Mazda VC OHC	Mazda ZB Diesel

YEARS	NO. OF CYLS	1973-78	4	1979-84	4	1972-83	6
BORE & STROKE	(MM)	80.000	88.000	80.000	88.000	92.000	101.600
	(IN)	3.1496	3.4645	3.1496	3.4645	3.6220	4.0000
PISTON HEAD TYPE		6 		22 		1 	
PISTON ASSEMBLY KIT		4KRY2626⁽¹⁾ STD/0.50/1.00/1.50		4KRY2937⁽¹⁾ STD/0.50/1.00/1.50 4MKRY2937⁽¹⁾ STD/0.50/1.00		6MKRY2814 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0400 @ 22.00				0.0900 @ 114.00	
(From crown)							
COMP HEIGHT	PIN DIA.	35.58	22.000	36.20	20.000	60.20	31.750
LOCKING DEVICE		SC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.200 1.500 4.000		2.380 2.380 2.380 4.750 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSZ3622^(3, 4) RSA2814^(3, 4)	
RING SET		C1476⁽²⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1476⁽²⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 C1599 STD/0.50/1.00 1.20 1.50 4.00 PS1599 STD/0.50/1.00/1.50 1.20 1.50 4.00		C1476⁽²⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1476⁽²⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 C1599 STD/0.50/1.00 1.20 1.50 4.00 PS1599 STD/0.50/1.00/1.50 1.20 1.50 4.00		C1609⁽⁵⁾ STD/0.50/1.00 2.380 2.380 2.380	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models. 2626 piston is 22mm pin/circlip application and suits 1973-78 models.

(2) Alternative ring sets but not listed above in catalogue:
M1707 containing 1.50 1.50 4.00 rings
M1655 containing 1.50 2.0 4.00 rings
1599 ring set suits 2937 piston.

(3) RSA2814 & 2874 contain FSZ3622 sleeve.
Liner outer diameter: 96.888mm.
Flange diameter: 100.715mm.

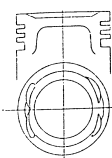
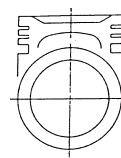
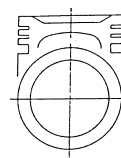
Flange depth: 0.740mm.
Flange width: 3.825mm.
Liner length: 190.800mm.

(4) RSA2814-SF contains FSZ3622-SF sleeve.
Liner outer diameter: 96.888mm.
Flange diameter: 100.715mm.
Flange depth: 0.740mm.
Flange width: 3.825mm.
Liner length: 190.800mm.

(5) C1609 is a 2 cylinder set.



1974cc Corsair UA	2389cc Corsair UA	2389cc Corsair UA
Nissan CA20E	Nissan KA24 12 Valve	Nissan KA24E 12 Valve

YEARS	NO. OF CYLS	1989-92	4	1989-92	4	1989-92	4
BORE & STROKE	(MM)	84.500	88.000	89.000	96.000	89.000	96.000
	(IN)	3.3267	3.4645	3.5039	3.7795	3.5039	3.7795
PISTON HEAD TYPE		8 		22 		22 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 9cc 4KRY8010 STD/0.50/1.00 4MKRY8010 STD/0.50/0.75/1.00		Bowl Volume 7.3cc 4MKRY8012⁽²⁾ STD/0.50/1.00		Bowl Volume 7.3cc 4MKRY8016⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 45.00		0.0300 @ 45.70		0.0300 @ 45.70	
COMP HEIGHT	PIN DIA.	30.00	20.000	33.85	21.000	33.85	21.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1685 STD/0.50/1.00 1.500 1.500 4.000 M1687 STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800 C1809 STD 1.500 1.500 2.800		M1809 STD/0.50/1.00 1.500 1.500 2.800 C1809 STD 1.500 1.500 2.800	

LEGEND

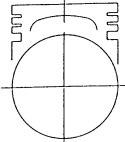
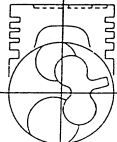
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) Piston 8012 is press fit pin application
Piston 8016 is circlip pin application.



4169cc Maverick	4169cc Maverick	1098cc Cortina 1100
Nissan TB42S Petrol	Nissan TD42 Diesel	711M

YEARS	NO. OF CYLS	1987-94	6	1987-94	6	1970-73	4
BORE & STROKE	(MM)	96.000	96.000	96.000	96.000	81.000	53.289
	(IN)	3.7795	3.7795	3.7795	3.7795	3.1890	2.0980
PISTON HEAD TYPE		1 		63 			
PISTON ASSEMBLY KIT Sizes		6MKRY2862 STD/0.50/1.00		6MKRY2881 STD			
CLEARANCE & POSITION (From crown)		0.0200 @ 65.00		0.0300 @ 72.00			
COMP HEIGHT	PIN DIA.	40.50	23.000	50.30	28.000		
LOCKING DEVICE		SC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY				FSY3780^(1, 2) RSA2881-SF^(1, 2)		3188B 3188B	
RING SET Sizes Widths		M1730 STD/0.50/1.00 2.000 2.000 4.000		C1781 STD 2.500 2.000 4.000		C1540 STD/020/030/040/060 .078 .078 .156 C1541⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156 PS1541⁽³⁾ STD/020/030/040/060 .062 .078 .156	

LEGEND

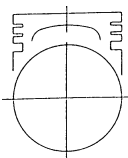
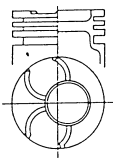
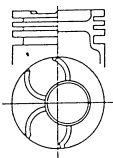
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2881/2 contains FSY3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.200mm.
 Liner length: 164.000mm.
- (2) RSA2881-SF contains FSY3780-SF sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.
- (3) Some original pistons may be fitted with C1540 ring sets.



1297cc Capri; Escort 1300	1298cc Escort 1300	1298cc Capri 1300; Escort 1300, 1600
3014E	2735E	711M

YEARS	NO. OF CYLS	1962-70	4	1966-70	4	1971-75	4
BORE & STROKE	(MM)	80.962	62.992	80.962	62.992	81.000	62.992
	(IN)	3.1874	2.4800	3.1875	2.4800	3.1890	2.4800
PISTON HEAD TYPE		1 		9 		9 	
PISTON ASSEMBLY KIT Sizes		4KRY2197⁽¹⁾ 040/060		4KRY2537⁽²⁾ 040/060		4KRY2537⁽²⁾ 040/060	
CLEARANCE & POSITION (From crown)		.0020 @ 1.06		.0030 @ 1.18		.0030 @ 1.18	
COMP HEIGHT	PIN DIA.	1.51	.812	1.72	.812	1.72	.812
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.078 .078 .156		.062 .078 .156		.062 .078 .156	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B		3188A 3188B		3188A 3188B	
RING SET Sizes Widths		C1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156 PS1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156		M9099 005 .062 .078 .156 C1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽¹⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽¹⁾ STD/020/030/040/060 .078 .078 .156		C1540⁽³⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽³⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽³⁾ STD/020/030/040/060 .062 .078 .156	

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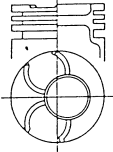
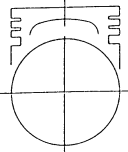
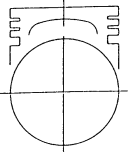
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2197 C/PS1540 suits Cortina engine prefix CE, CJ.
2537, C/PS1541 suits Escort, Cortina engine prefix CK.
- (2) Piston 2537 has a offset bowl.
- (3) Some original pistons may be fitted with C1540 ring sets.



1298cc Escort 1300; Van 1300	1498cc Capri; Cortina 1500	1500cc Cortina
751M	116E	120E

YEARS	NO. OF CYLS	1975-76	4	1965-68	4	1963-67	4
BORE & STROKE	(MM)	81.000	62.992	80.962	73.533	80.975	72.821
	(IN)	3.1890	2.4800	3.1875	2.8950	3.1880	2.8670
PISTON HEAD TYPE		9 		1 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2537⁽¹⁾ 040/060		4KRY2197 040/060		4KRY2197 040/060	
CLEARANCE & POSITION (From crown)		.0030 @ 1.18		.0020 @ 1.06		.0020 @ 1.06	
COMP HEIGHT	PIN DIA.	1.72	.812	1.51	.812	1.51	.812
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.062 .078 .156		.078 .078 .156		.078 .078 .156	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B		3188A 3188B		3188A 3188B	
RING SET Sizes Widths		C1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541⁽²⁾ STD/020/030/040/060 .062 .078 .156		M9099⁽³⁾ 005 .062 .078 .156 C1540⁽⁴⁾ STD/020/030/040/060 .078 .078 .156 C1541⁽⁴⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156		C1540 STD/020/030/040/060 .078 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156	

LEGEND

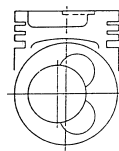
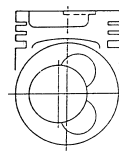
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2537 has a offset bowl.
- (2) Some original pistons may be fitted with C1540 ring sets.
- (3) M9099 is a performance file back ring set for Formula Ford 1/16, 1/16, 5/32.
- (4) Piston 2197 C/PS1540 suits Cortina engine prefix CE, CJ.
2537, C/PS1541 suits Escort, Cortina engine prefix CK.



1593cc Capri; Cortina 1600GT; Sierra	1598cc Capri; Cortina CD, 1600GT	1598cc Capri; Cortina TC; Escort 1600
1593	2737E Crossflow	711M Cross Flow

YEARS	NO. OF CYLS	1970-86	4	1968-71	4	1971-74	4
BORE & STROKE	(MM)	87.650	66.000	81.000	77.622	81.000	77.622
	(IN)	3.4507	2.5984	3.1890	3.0560	3.1890	3.0560
PISTON HEAD TYPE				28 	28 		
PISTON ASSEMBLY KIT Sizes				4KRY2530 ⁽¹⁾ STD/020/030/040/060	4KRY2530 ⁽¹⁾ STD/020/030/040/060		
CLEARANCE & POSITION (From crown)				.0030 @ 1.18	.0030 @ 1.18		
COMP HEIGHT	PIN DIA.			1.72	.813	1.72	.813
LOCKING DEVICE				SC	SC		
RING GROOVE WIDTHS				.078 .078 .156	.078 .078 .156		
CYLINDER SLEEVE/ASSEMBLY				3188A 3188B	3188A 3188B		
RING SET Sizes Widths		C1388 STD/020 2.00 2.50 4.00 PS1388 040 2.00 2.50 4.00		C1540 ⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541 ⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540 ⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541 ⁽²⁾ STD/020/030/040/060 .062 .078 .156		C1540 ⁽²⁾ STD/020/030/040/060 .078 .078 .156 C1541 ⁽³⁾ STD/020/030/040/060 .062 .078 .156 PS1540 ⁽²⁾ STD/020/030/040/060 .078 .078 .156 PS1541 ⁽³⁾ STD/020/030/040/060 .062 .078 .156	

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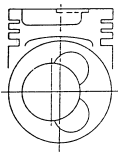
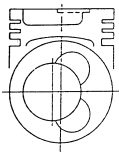
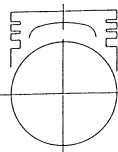
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2530 has a concentric bowl.
- (2) Some original pistons may be fitted with C/PS1541 ring sets.
- (3) Some original pistons may be fitted with C1540 ring sets.



1598cc Capri 1600GT; Escort 1600	1598cc Escort 1600	1993cc Capri; Cortina TC, TD, TE, TF, 2000; Escort 2000; Pinto 2000; RS2000; Sierra
751M 2V Carburetor	751M 1V Carburetor	70HM

YEARS	NO. OF CYLS	1975-81	4	1976-80	4	1972-82	4
BORE & STROKE	(MM)	81.000	77.622	81.000	77.622	90.800	76.900
	(IN)	3.1890	3.0560	3.1890	3.0560	3.5748	3.0275
PISTON HEAD TYPE		28 		28 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2530⁽¹⁾ STD/020/030/040/060		4KRY2530⁽¹⁾ STD/020/030/040/060		4KRY2526 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		.0030 @ 1.18		.0030 @ 1.18		0.0400 @ 27.00	
COMP HEIGHT	PIN DIA.	1.72	.813	1.72	.813	41.12	24.000
LOCKING DEVICE		SC		SC		AC	
RING GROOVE WIDTHS		.078 .078 .156		.078 .078 .156		2.000 2.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3188A		3188A 3188B			
RING SET Sizes Widths		C1540 STD/020/030/040/060 .078 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156		C1540 STD/020/030/040/060 .078 .078 .156 C1541⁽²⁾ STD/020/030/040/060 .062 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156 PS1541 STD/020/030/040/060 .062 .078 .156		M1355 STD 2.000 2.500 4.000 C1355 0.50/0.75/1.00/1.50 2.000 2.500 4.000 PS1355 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

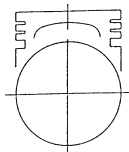
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2530 has a concentric bowl.
- (2) Some original pistons may be fitted with C/PS1541 ring sets.



2994cc Capri	144ci Falcon XK, XL, XM, XP, XR	170ci Falcon XK, XL, XM, XP, XR
3022E V6	144	170

YEARS	NO. OF CYLS	1969-73	6	1960-64	6	1960-68	6
BORE & STROKE	(MM)	93.660	72.410	88.900	63.500	88.900	74.676
	(IN)	3.6874	2.8507	3.5000	2.5000	3.5000	2.9400
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						6KRY2652 040/060	
CLEARANCE & POSITION (From crown)						.0015 @ .92	
COMP HEIGHT	PIN DIA.					1.56	.912
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3500A 3500B		3500A 3500B	
RING SET Sizes Widths		C1235 STD/040 .078 .078 .187		M1032 STD/060 .078 .078 .187 PS1032 STD/040/060 .078 .078 .187		M1032 STD/060 .078 .078 .187 PS1032 STD/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



188ci Falcon XT, XW; Futura	200ci Cortina TD, TE, TF; Fairlane ZA, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XF, XK, XL, XM, XP, XR, XY; Futura; Series F	200ci Cortina TC, TD, TE, TF; Fairlane ZA, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XF, XK, XL, XM, XP, XR, XY; Futura; Series F
188	3.3L(200ci) All	3.3L(200 ci) LPG

YEARS	NO. OF CYLS	1968-70	6	1963-88	6	1964-88	6
BORE & STROKE	(MM)	93.472	74.676	93.472	79.502	93.472	79.502
	(IN)	3.6800	2.9400	3.6800	3.1300	3.6800	3.1300
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT		Bowl Volume 15.3cc 6KRY4105 STD/020/030/040/060 6MKRY4105 STD/020/030/040/060		Bowl Volume 15.3cc 6KRY4105 STD/020/030/040/060 6MKRY4105 STD/020/030/040/060		6MKRY9410⁽¹⁾ 030/040/060 6MKRY9411⁽¹⁾ 030/040/060 Bowl Volume 8cc	
CLEARANCE & POSITION		.0010 @ 1.907		.0010 @ 1.907		.0010 @ 1.907	
COMP HEIGHT	PIN DIA.	1.53	.912	1.53	.912	1.53	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3687A 3687B		3687A 3687B	
RING SET		M1166⁽²⁾ STD/020/030/040/060 .078 .078 .187 PS1166⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1666⁽²⁾ STD/020/030/040/060 .059 .059 .156		M1166⁽²⁾ STD/020/030/040/060 .078 .078 .187 PS1166⁽²⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1666⁽²⁾ STD/020/030/040/060 .059 .059 .156		M9123⁽³⁾ 020/030/040 .059 .059 .156 M1166⁽²⁾ STD/020/030/040/060 .059 .059 .156 PS1666⁽²⁾ STD/020/030/040/060 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- 9410 piston gives 10.6:1 compression ratio @ 72cc clearance volume.
9411 piston gives 9.7:1 compression ratio @ 80cc clearance volume.
- 1666 ring set suits 4103, 4104, 4105. 1166 ring suits old 4100, 4101, 4102 pistons. 9123 ring set contains ductile iron top compression ring suitable for performance applications.



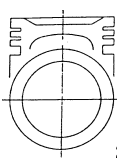
9410



9411



221ci Fairlane ZB, ZC; Falcon XT, XW, XY; Futura	240ci D Series; Series F	240ci D Series
221	240	2706E

YEARS	NO. OF CYLS	1968-70	6	1970-74	6	1965-81	4
BORE & STROKE	(MM)	93.472	79.502	101.600	80.772	104.775	114.808
	(IN)	3.6800	3.1300	4.0000	3.1800	4.1250	4.5200
PISTON HEAD TYPE		22  Bowl Volume 22cc					
PISTON ASSEMBLY KIT Sizes		6KRY4104 STD/020/030/040/060 6MKRY4104 STD/020/030/040/060					
CLEARANCE & POSITION (From crown)		.0010 @ 1.907					
COMP HEIGHT	PIN DIA.	1.53	.912				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.059 .059 .156					
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		4004B		PSX4125	
RING SET Sizes Widths		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 PS1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156 PS1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156		M3466 STD/040/060 .078 .078 .187 PS3466 STD/020/060 .078 .078 .187		C1512 STD/040 .093 .093 .093 .187	

LEGEND

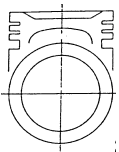
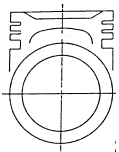
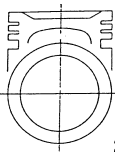
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 1666 ring set suits 4103, 4104, 4105 pistons.
 1166 ring set suits old 4100, 4101, 4102 pistons.



250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK, ZL; Falcon XA, XB, XC, XD, XE, XF, XY; Futura; F100; F250; LTD	250ci Fairlane ZL; Falcon XF; F100; LTD FE	250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK, ZL; Falcon XA, XB, XC, XD, XE, XF; Futura; LTD FE
4.1L (250ci) Leaded	4.1L Unleaded	4.1L (250ci) Hi Comp

YEARS	NO. OF CYLS	1965-85	6	1986-88	6	1965-88	6
BORE & STROKE	(MM)	93.472	99.314	93.472	99.314	93.472	99.314
	(IN)	3.6800	3.9100	3.6800	3.9100	3.6800	3.9100
PISTON HEAD TYPE		22		22		22	
PISTON ASSEMBLY KIT		Bowl Volume 22cc		Bowl Volume 27.9cc		Bowl Volume 15.3cc	
Sizes		6KRY4104 STD/020/030/040/060		6KRY4103 STD/020/030/040/060		6MKRY4105⁽³⁾ STD/020/030/040/060	
		6MKRY4104 STD/020/030/040/060		6MKRY4103 STD/020/030/040/060			
CLEARANCE & POSITION		.0010 @ 1.907		.0010 @ 1.907		.0010 @ 1.907	
(From crown)							
COMP HEIGHT	PIN DIA.	1.53	.912	1.53	.912	1.53	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		PSP3680-SF⁽⁴⁾		PSP3680-SF⁽⁴⁾	
RING SET		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187	
Sizes		PS1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187		M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156		PS1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187	
Widths		M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156		PS1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156		M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156	
		PS1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156		PS1166⁽¹⁾ STD/020/030/040/060 .059 .059 .156		PS1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) M/PS1666 contents 12-1.5mm, 6-4mm and suits 4103, 4104, 4105 pistons.

(3) 4105 piston has bowl volume : 15.3cc. 9410 piston is a flat top. The following compression ratios are typical when used in a 250/4.1L Ford:

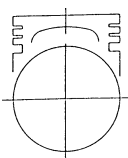
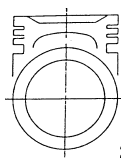
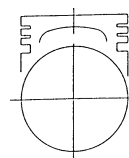
	4105	9410
XY, XA, XB 250	9.2:1	10.4:1
XC, XD, XE 4.1	9.0:1	10.1:1
XF ULP C.F.I.	10.0:1	11.0:1
XF ULP E.F.I.	9.6:1	10.6:1

For LPG conversions (ACL recommends use the 4105 piston. Some users may have a requirement for a higher compression piston and in these cases the 9410 may be more appropriate.

(4) PSP3680-SF suits engines with alloy heads



250ci Cortina TC, TD, TE, TF; Fairlane ZD, ZF, ZG, ZH, ZJ, ZK; Falcon XA, XB, XC, XD, XE, XF; Futura; LTD FE 4.1L(250ci) Hi Comp	250ci All models Using 200 6.27" conrod 4.1L (250ci) Hi Comp/Perf	250ci All models Using 200 6.27" conrod 4.1L (250ci) Off Road
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YEARS	NO. OF CYLS	1965-88	6	1965-88	6	1965-88	6
BORE & STROKE	(MM)	93.472	99.314	93.472	99.314	93.472	99.314
	(IN)	3.6800	3.9100	3.6800	3.9100	3.6800	3.910
PISTON HEAD TYPE		1		22		1	
PISTON ASSEMBLY KIT Sizes		6MKRY9410⁽¹⁾ 030/040/060 6MKRY9410H (Fileback) 030/040/060 6MKRY9411 (Bowl Volume 8cc) 030/040/060 6MKRY9411H (Fileback) 030/040/060		Bowl Volume 8.6cc 6MKRY9412⁽²⁾ 020/030/040		6MKRY9413⁽²⁾ 020/030/040 (Off road use only)	
CLEARANCE & POSITION (From crown)		.0010 @ 1.907		0.025 @ 43.3		0.025 @ 43.3	
COMP HEIGHT	PIN DIA.	1.53	.912	29.70	23.17	29.70	23.17
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		1.500 1.500 3.000		1.500 3.000 (SINGLE COMP RING)	
CYLINDER SLEEVE/ASSEMBLY		PSP3680-SF⁽³⁾					
RING SET Sizes Widths		M9123 020/030/040 .059 .059 .156 M9121⁽⁴⁾ 025/035/045 .059 .059 .156		M1924 020/030/040 1.500 1.500 3.000		M1926 020/030/040 1.500 3.000 (SINGLE COMP RING)	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 9410 piston is a flat top. The following compression ratios are typical when used in a 250/4.1L Ford:

	4105	9410
XY, XA, XB 250	9.2:1	10.4:1
XC, XD, XE 4.1	9.0:1	10.1:1
XF ULP C.F.I.	10.0:1	11.0:1
XF ULP E.F.I.	9.6:1	10.6:1

4105 piston has bowl volume : 15.3cc. For LPG conversions ACL recommends to use the 4105 piston.
9411 piston has 8cc bowl. Some users may have a requirement for a higher compression piston and in these cases the 9410 may be more appropriate.

(2) Compression ratio at total clearance volume:

9412:	10.0:1 @ 77cc
9413:	11.2:1 @ 68.5cc

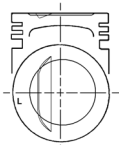
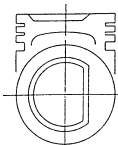
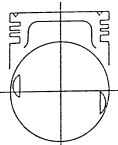
Recommended only for off road use with fuel of 100ron minimum (for 9412 do not exceed 10.0:1 adjust head volume to 60cc min).

(3) PSP3680-SF suits engines with alloy heads.

(4) Performance ringset requiring the gapping of both compression rings. Under no circumstances can this set be fitted without gapping compression rings. Ring sets have ductile iron top ring.



289ci Fairlane ZA; Falcon XP, XR; Galaxie; LTD FD; Mustang	300ci D Series; Series F	302ci Fairlane ZF, ZG, ZH, ZJ; Falcon XA, XB, XC, XD, XE, XY; F100; LTD FB, FC, FD; Series F
289 Windsor	300	302 Cleveland

YEARS	NO. OF CYLS	1963-66	8	1965-81	6	1970-84	8
BORE & STROKE	(MM)	101.600	72.898	101.600	101.092	101.600	76.200
	(IN)	4.0000	2.8700	4.0000	3.9800	4.0000	3.0000
PISTON HEAD TYPE		229 		7 		2 	
PISTON ASSEMBLY KIT		8KRY5005⁽⁵⁾		6MKRY2623		8KRY5800⁽¹⁾	
Sizes		030/040/060		STD/020/040/060		STD/020/030/040/060	
						8MKRY5800⁽¹⁾	
						STD/020/030/040/060	
CLEARANCE & POSITION		.0020 @ 2.23		.0025 @ 1.11		.0010 @ 2.27	
(From crown)							
COMP HEIGHT	PIN DIA.	1.585	.912	1.74	.975	1.63	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.078 .078 .187		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4001A 4001B		4004B	
RING SET		M1848⁽²⁾		M3466		M1561⁽²⁾	
Sizes		STD/020/030/040/060		STD/040/060		STD/020/030/040/060	
Widths		.059 .059 .156		.078 .078 .187		.078 .078 .187	
		M1561⁽²⁾		PS3466		M1848⁽²⁾	
		STD/020/030/040/060		STD/020/060		STD/020/030/040/060	
		.078 .078 .187					
		PS1848⁽²⁾				PS1561⁽²⁾	
		STD/020/030/040/060				STD/020/030/040/060/065/080	
		.059 .059 .156				.078 .078 .187	
		PS1561⁽²⁾				PS1848⁽²⁾	
		STD/020/030/040/060/065/080				STD/020/030/040/060	
		.078 .078 .187				.059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 5800 piston supersedes 2536 piston.
- (2) M/PS1848 ring set suits 5800 and 5005 pistons with .059, .059, .156in ring set.
M/PS1561 ring set suits old 2536 and 2673 pistons.
- (5) Left and right handed pistons, supersedes 2673 piston.



302ci

Fairlane ZF, ZG, ZH, ZJ;
Falcon XA, XB, XC, XD, XE, XY;
LTD FB, FC, FD

302 Cleveland Performance

302ci

Fairlane ZB, ZC, ZD;
Falcon XT, XW, XY

302 Windsor

302cc

Fairlane ZB, ZC, ZD;
Bronco

289 & 302 Windsor Performance

YEARS	NO. OF CYLS	1970-84	8	1950-72	8	1970-87	8
BORE & STROKE	(MM)	101.600	76.200	101.600	76.200	101.600	76.200
	(IN)	4.0000	3.0000	4.0000	3.0000	4.0000	3.0000
PISTON HEAD TYPE		2		229		228	
PISTON ASSEMBLY KIT		Valve Pocket Volume 2cc					
Sizes		8MKRY9351(3) STD/020/030/040		8KRY5005⁽⁵⁾ 030/040/060		8MKRY9302S^(5,6,8) STD/020/030/040	
		8MKRY9351H⁽³⁾ (Fileback) 020/030/040				8MKRY9302SH⁽⁸⁾ (Fileback) STD/020/030/040	
CLEARANCE & POSITION		.0010 @ 2.29		.0020 @ 2.23		.0010 @ 2.250	
(From crown)							
COMP HEIGHT	PIN DIA.	1.65	.912	1.585	.912	1.604	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET		M9103⁽²⁾ 005/035 .062 .062 .187		M1848⁽⁷⁾ STD/020/030/040/060 .059 .059 .156		M9106 STD/020/030/040/060 .059 .059 .156	
Sizes		M9106 STD/020/030/040/060 .059 .059 .156		M1561 STD/020/030/040/060 .078 .078 .187		M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156	
Widths		M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156		PS1561 STD/020/030/040/060/065/080 .078 .078 .187		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187	
		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187		PS1848⁽⁷⁾ STD/020/030/040/060 .059 .059 .156		M9098⁽⁴⁾ 005/025/035/045/065 .078 .078 .187	

LEGEND

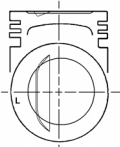
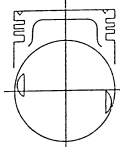
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1478 has high strength iron top ring.
- (2) File back ring set.
- (3) 9351 compression ratio at clearance nominated:
FOR 302: 9.8:1 @ 71cc
FOR 351: 10.7:1 @ 75cc
9.3:1 @ 75cc
10.1:1 @ 80cc
8.8:1 @ 80cc
9.6:1 @ 85cc
9351 Bare weight (STD: 530gm)
9351 uses tapered pin no: R3340T-STD (11gm)
which can be purchased separately.
- (4) M9098 is a file back ring set with high strength 'SG' iron top compression ring.
- (5) Left and right hand pistons now with skirt coating.
- (6) Compression ratio at total clearance volume for 9302: 9.2:1 @ 77cc.
- (7) Some original equipment pistons have shallow oil ring grooves. Use ring set M1862 for these.
- (8) Left & right handed pistons. 9302s piston is skirt coated. Compression ratio at total clearance volume: 9.2:1@77.0cc. Uses tapered pin no. R3340T-STD (115gm) which can be purchased separately.



347ci Falcon; Fairlane Stroker Kit Using 5.4 inch Chev rod 302 Windsor to 347	351ci Fairlane ZC; Falcon XW, XY 351 Windsor	351ci Fairlane ZC, ZD, ZF, ZG, ZH, ZJ; Falcon XA, XB, XC, XD, XE, XW, XY; F100; F150; LTD FB, FC, FD; Series F 351 Cleveland
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YEARS	NO. OF CYLS	1970-on	8	1969-70	8	1970-82	8
BORE & STROKE	(MM)	101.600	86.3600	101.600	88.900	101.600	88.900
	(IN)	4.0000	3.4000	4.0000	3.5000	4.0000	3.5000
PISTON HEAD TYPE		229 				2 	
PISTON ASSEMBLY KIT Sizes		8MKRY9347S⁽⁵⁾ STD/020/030				8KRY5800 STD/020/030/040/060 8MKRY5800 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0010 @ 1.89				.0010 @ 2.27	
COMP HEIGHT	PIN DIA.	1.094	.927			1.63	.912
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		.059 .059 .118				.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY				4004B		4004B	
RING SET Sizes Widths		M1932 005/020/030 .059 .059 .118		M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1561 STD/02/030/040/060 .078 .078 .187 M9098⁽³⁾ 005/025/035/045/065 .078 .078 .187 M9103⁽²⁾ 005/035 .062 .062 .187		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187 M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156 PS1561⁽⁴⁾ STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

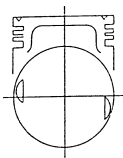
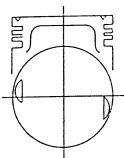
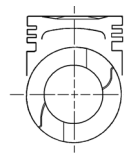
- (1) M1478 has high strength iron top ring.
- (2) File back ring set.
- (3) M9098 is a file back ring set with high strength 'SG' iron top compression ring.
- (4) M/PS1848 has 1.5, 1.5, 4.0mm ring pack and suits new 4901, 5004 and 5800 pistons. It also suits late model original piston. M/PS1561 has .078", .078", 3/16" ring pack and uits old 4900, 5002 and 2536 piston.
- (5) 9347s piston is skirt coated piston.



9347



351ci Fairlane ZC, ZD, ZF, ZG, ZH; Falcon XA, XB, XC, XD, XE, XW, XY; LTD FB, FC, FD	351ci All models Using 6 inch conrods	351ci All models 351 low comp for small chamber heads
351 Cleveland Performance	351 Cleveland Performance	351 Cleveland Performance

YEARS	NO. OF CYLS	1970-82	8	1970-82	8	1970-82	8
BORE & STROKE	(MM)	101.600	88.900	101.600	88.900	101.600	88.900
	(IN)	4.0000	3.5000	4.0000	3.5000	4.0000	3.5000
PISTON HEAD TYPE		2		2		231	
PISTON ASSEMBLY KIT Sizes		Valve Pocket Volume 2cc 8MKRY9351⁽¹⁾ STD/020/030/040 8MKRY9351H⁽¹⁾ (Fileback) 020/030/040		Valve Pocket Volume 2cc 8MKRY9356⁽³⁾ 020/030		Bowl Volume 22cc 8MKRY9354⁽³⁾ 030 8MKRY9354H⁽³⁾ (Fileback) 030	
CLEARANCE & POSITION (From crown)		.0010 @ 2.29		.0010 @ 2.52		.0010 @ 2.281	
COMP HEIGHT	PIN DIA.	1.65	.912	1.40	.913	1.640	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.047 .059 .118		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1478 STD/020/030/040/060 .078 .078 .187 M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M9122 020/030 .047 .059 .118 M9125⁽⁵⁾ 020/030 .059 .118		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8MKRY9351 has pre-gapped rings.
8MKRY9351H has file back rings.
9351 compression ratio at clearance nominated:
FOR 302: 9.8:1 @ 71cc
FOR 351: 10.7:1 @ 75cc
9.3:1 @ 75cc 10.1:1 @ 80cc
8.8:1 @ 80cc 9.6:1 @ 85cc
9351 Bare weight (STD: 530gm)
9351 uses tapered pin no: R3340T-STD (115gm)
which can be purchased separately.

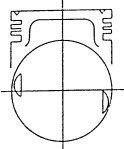
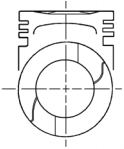
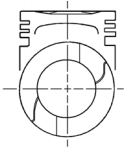
- (2) File back ring set.

- (3) Compression ratio at total clearance volume:
9354: 8.4:1 @ 99cc
9356: 9.9 @ 82.0cc

9354 & 9356 use tapered pin no. R3340T-STD (115gm)
which can be purchased separately.
(5) M9125 ring set suits 8MKRY9357 pistons which
is a 2 ring piston.



351ci All models 377 stroker Cleveland using 5.7" Chev rod 351-377 Cleveland Performance	351 ci All models 377 stroker Cleveland using 5.7" rod small chamber heads 351-377 Cleveland Performance	377ci Falcon; Fairlane Stroker kit using 6" Chev rod 351-377 Cleveland
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YEARS	NO. OF CYLS	1970-82	8	1970-82	8	1970-82	8
BORE & STROKE	(MM)	101.600	88.900	101.600	88.900	101.600	93.500
	(IN)	4.0000	3.5000	4.0000	3.5000	4.0000	3.6810
PISTON HEAD TYPE		2		231		231	
PISTON ASSEMBLY KIT		Valve Pocket Volume 2cc		Bowl Volume 22cc		Bowl Volume 19.8cc	
Sizes		8MKRY9377^(1,6) 030		8MKRY9379^(4,6) 030		8MKRY9348⁽⁵⁾ 020/030	
		8MKRY9377H^(1,6) (Fileback) 030 For Bowl Volume 10cc: 8MKRY9378 / 8MKRY9378H^(1,6) 030		8MKRY9379H^(4,6) (Fileback) 030			
CLEARANCE & POSITION		.0010 @ 2.281		.0010 @ 2.281		.0010 @ 2.126	
(From crown)							
COMP HEIGHT	PIN DIA.	1.640	.927	1.640	.927	1.337	.927
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B			
RING SET		M9106 STD/020/030/040/060 .059 .059 .156		M9106 020/030/040/060 .059 .059 .156		M1932 005/020/030 .059 .059 .118	
Sizes		M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156		M9110⁽²⁾ 025/035/045/065			
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Compression ratio at total clearance volume:
9354: 8.4:1 @ 99cc
9377: 9.6:1 @ 89.8cc
9378: 8.9:1 @ 97.8cc

9348, 9377, 9378, 9379 use tapered pin no. R3326T-STD (120gm)
which can be purchased separately.

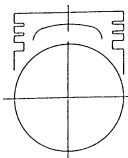
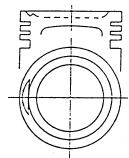
- (2) File back ring set
(3) File back ring set.

- (4) Compression ratio at total clearance volume:
9379: 9.0:1 @ 98cc
9390: 9.8:1 @ 76cc

- (5) Proposed new product. Check for availability.
(6) Rod bearing set 8B7110-STD/010 available to suit narrow rods.



1988cc Mondeo HA, HB, HC, HD, HE SD DOHC	3157cc Fairlane NA; Falcon EA, EB 3.2L EFI	3900cc Fairlane NA, NC; Falcon EA, EB LTD DA 3.9L Hi Comp/Performance
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YEARS	NO. OF CYLS	7/1995-on	4	1988-92	6	1988-92	6
BORE & STROKE	(MM)	84.8000	88.000	91.860	79.300	91.860	99.314
	(IN)	3.3386	3.4646	3.6165	3.1220	3.6165	3.9100
PISTON HEAD TYPE		1				152	
PISTON ASSEMBLY KIT Sizes		4MKRY2999 STD/0.50				6MKRY9390⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.02 @ 41.6				0.0300 @ 45.0	
COMP HEIGHT	PIN DIA.	32.54	20.625			35.40	23.18
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.500 1.750 3.000				1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY				3562B	FSZ3616-SF		
RING SET Sizes Widths		M1915 STD/0.50 1.500 1.750 3.000		M1717⁽³⁾ STD/0.50/1.00 1.500 1.500 4.000 M9101⁽²⁾ 005 1.500 1.500 4.000 PS1717⁽³⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000		M1896 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Compression ratio at total clearance volume:
 9390: 9.8:1 @ 76cc

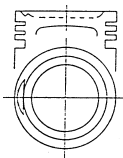
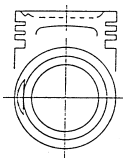
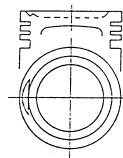
9390 uses tapered pin no. R3365T-STD (105gm) which can be purchased separately.

(2) Performance ringset requiring the gapping of both compression rings. Under no circumstances can this set be fitted without gapping compression rings. Ring sets have ductile iron top ring.

(3) PS/M1717 suits old 2809 piston.
 PS/M1896 suits old 3900 piston.



3949cc Fairlane NA, NC; Falcon EA, EB; LTD DA (see end of Ford for perf kit)	3984cc Fairlane NC; Falcon EB (see end of Ford for perf kit)	3984cc Falcon EF; EL (See end of Ford for perf kit)
3.9LEFI	4.0L ED	4.0L EF & EL

YEARS	NO. OF CYLS	1988-92	6	1992-94	6	1994-98	6
BORE & STROKE	(MM)	91.860	99.314	92.260	99.310	92.260	99.310
	(IN)	3.6165	3.9100	3.6320	3.9100	3.6320	3.9100
PISTON HEAD TYPE		152		152		152	
							
		Bowl Volume 15.2cc		Bowl Volume 14.05cc		Bowl Volume 8.5cc	
PISTON ASSEMBLY KIT		6KRY3900		6KRY2864		6KRY4001	
Sizes		STD/0.50/1.50		STD/0.50/1.00		STD/0.50/1.00	
		6MKRY3900		6MKRY2864		6MKRY4001	
		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0300 @ 44.60		0.0300 @ 45.00		0.0300 @ 45.00	
(From crown)							
COMP HEIGHT	PIN DIA.	35.00	23.180	34.95	23.180	35.38	23.180
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3562B		3625B		3625B	
RING SET		M1717⁽¹⁾		M1762		M1762	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 3.000	
		M9101⁽²⁾		M9102⁽²⁾		M9102⁽²⁾	
		005		005		005	
		1.500 1.500 4.000		1.500 1.500 3.000		1.500 1.500 3.000	
		PS1717⁽¹⁾		PS1762		PS1762	
		STD/0.50/1.00/1.50		STD/0.50/1.00		STD/0.50/1.00	
		1.500 1.500 4.000		1.500 1.500 3.000		1.500 1.500 3.000	
		M1896⁽¹⁾	PS1896⁽¹⁾				
		STD/0.50/1.00	STD/0.50/1.00				
		1.500 1.500 3.000	1.500 1.500 3.000				

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

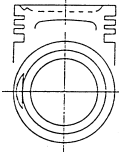
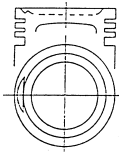
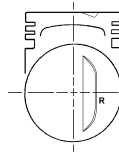
NOTES

- (1) PS/M1717 suits old 2809 piston.
PS/M1896 suits new 3900 piston.
- (2) Performance ringset requiring the gapping of compression rings. Under no circumstances can this set be fitted without gapping compression rings.
Ring sets have ductile iron top ring.

This ring set is a file back ring set.



3984cc Falcon EB, EF, EL Fairlane NC	3984cc Falcon AU	4940cc Falcon EB, ED, EF; Bronco
4.0L Hi Comp/Performance	4.0L AU	302 Windsor Performance EFI

YEARS	NO. OF CYLS	1992-9/98	6	8/1998-02	6	1985-on	8
BORE & STROKE	(MM)	92.260	99.310	92.300	99.300	101.600	76.200
	(IN)	3.6320	3.9100	3.6340	3.9090	4.0000	3.0000
PISTON HEAD TYPE		152 		152 		228 	
PISTON ASSEMBLY KIT		Bowl Volume 5.8cc 6KRY9400⁽⁵⁾ 0.50/1.00		6MKRY4002 STD/0.50/1.00		Bowl Volume 2.4cc 8MKRY9302S⁽⁴⁾ STD/020/030/040 8MKRY9302SH⁽⁴⁾ (Fileback) STD/020/030/040	
Sizes							
CLEARANCE & POSITION		0.0300 @ 45.00		0.000 @ 44.50		.001 @ 2.250	
(From crown)							
COMP HEIGHT	PIN DIA.	35.40	23.180	30.88	23.180	1.608	.912
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 3.000		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY						4004B	
RING SET		M1762 0.50/1.00 1.500 1.500 3.000		C1903 STD/0.50/1.00 1.200 1.500 3.000		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽³⁾ 005/025/035/045/065 .078 .078 .187	
Sizes							
Widths							

LEGEND

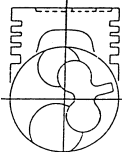
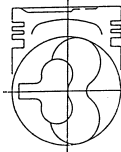
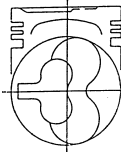
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1478 has high strength iron top ring.
- (2) File back ring set.
- (3) M9098 is a file back ring set with high strength 'SG' iron top compression ring.
- (4) Left & right handed pistons. 9302s piston is skirt coated.
Compression ratio at total clearance volume:
9.2:1@77.0cc. Uses tapered pin no. R3340T-STD (115gm) which can be purchased separately.
- (5) 9400 compression ratio at total clearance volume:
9.6:1 @ 78cc
Uses tapered pin R3365T-STD (105gm) which can be purchased separately.



1951cc Rodeo, K, KB, KB46	2238cc Jackaroo; Rodeo K, KB, KBD28, KBD29, KBD41, KBD46, KB42; Shuttle	2238cc Jackaroo
Isuzu C190 OHV Diesel	Isuzu C223 Diesel	Isuzu C223T (Turbo)

YEARS	NO. OF CYLS	1970-82	4	1979-88	4	1984-88	4
BORE & STROKE	(MM)	86.000	84.000	88.000	92.000	89.000	92.000
	(IN)	3.3858	3.3070	3.4645	3.6220	3.5039	3.6220
PISTON HEAD TYPE		63 		59 		59 	
PISTON ASSEMBLY KIT						4MKRY2923⁽⁶⁾ 0.50/1.00	
Sizes							
CLEARANCE & POSITION							
(From crown)							
COMP HEIGHT	PIN DIA.	52.00	27.000	48.00	27.000	47.60	29.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2891⁽³⁾		RSA2867^(4, 5, 6)			
RING SET				N1681 STD 2.000 2.000 4.000		C1828 STD/0.50/1.00 2.500 2.000 4.000	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(3) RSA2891 contains chromard liner.
 Liner outer diameter: 88.011mm.
 Flange diameter: 93.980mm.
 Flange depth: N/A.
 Flange width: 0.922mm.
 Liner length: 163.373mm.

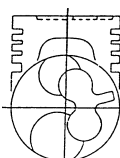
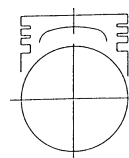
(4) IMPORTANT: This engine has chrome bores.

(5) RSA2867 contains chromard liner.
 Liner outer diameter: 89.970mm.
 Flange diameter: 94.890mm.
 Flange depth: N/A.
 Flange width: 0.890mm.
 Liner length: 163.320mm.

(6) Contains armoured (Alfin) top ring groove.



1817cc Gemini Diesel, TE, TF, TG; Shuttle; WFR51 Isuzu 4FB1 OHC Diesel	1995cc Rodeo KB, KBD26, KBD46; Shuttle; WFR51 Isuzu 4FC1 OHC Diesel	1584cc Gemini TC, TD, TE, TF, TG, TX; Rodeo K, KB, KBD40, KB40 Isuzu G161Z
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YEARS	NO. OF CYLS	1979-85	4	1981-90	4	1973-86	4
BORE & STROKE	(MM)	84.000	82.000	84.000	90.000	82.000	75.000
	(IN)	3.3070	3.2283	3.3070	3.5433	3.2283	2.9527
PISTON HEAD TYPE		63 				1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2744 STD/0.50/1.00				4KRY2586 STD/0.50/1.00/1.50 4MKRY2586 STD/1.00 4MKRY9090⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0400 @ 60.00				0.0400 @ 53.00	
COMP HEIGHT	PIN DIA.	44.70	25.000			36.55	22.000
LOCKING DEVICE		SC				AC	
RING GROOVE WIDTHS		2.500 2.000 4.000				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1662 STD/0.50/1.00 2.500 2.000 4.000		M1662 STD/0.50/1.00 2.500 2.000 4.000		M1465⁽²⁾ STD 2.000 2.000 4.000 C1465⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000 C1606⁽²⁾ STD 1.500 1.500 4.000 PS1465⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000	

LEGEND

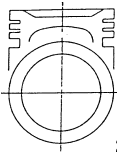
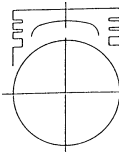
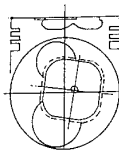
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR = 9.2:1. Uses M/C/PS1465 ring set.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.



1817cc Gemini; Rodeo K, KB, KB47	1949cc Jackaroo; Rodeo K, KB, KB28, KB41	2771cc Jackaroo; Rodeo TF
Isuzu G180Z	Isuzu G200Z OHC	Isuzu 4JB1 Turbo Diesel

YEARS	NO. OF CYLS	1977-83	4	1983-88	4	1988-on	4
BORE & STROKE	(MM)	84.000	82.000	87.000	82.000	93.000	102.000
	(IN)	3.3070	3.2283	3.4251	3.2283	3.6614	4.0157
PISTON HEAD TYPE		22 		1 		218 	
PISTON ASSEMBLY KIT		4KRY2859 STD/020/040		4KRY2743 STD/0.50/1.00/1.50		4MKRY2922⁽³⁾ STD	
Sizes		4MKRY2859 STD/020/040		4MKRY2743 STD/1.00			
CLEARANCE & POSITION		0.0250 @ 55.20		0.0300 @ 70.00		0.0200 @ 74.00	
(From crown)							
COMP HEIGHT	PIN DIA.	36.70	22.000	36.50	22.000	51.90	34.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3312B				RSA2922^(2, 3)	FCZ3661
RING SET		M1570 STD/0.50/1.00 2.000 2.000 4.000		M1726 STD/0.50/1.00 1.500 1.500 4.000		N1827⁽⁴⁾ STD 2.000 2.000 4.000	
Sizes		M1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1661 STD/0.50/1.00 2.000 2.000 4.000			
Widths		PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		PS1661 STD/0.50/1.00/1.50 2.000 2.000 4.000			
		PS1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1726 STD 1.500 1.500 4.000			

LEGEND

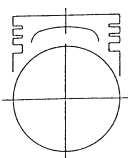
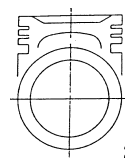
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.
- (2) RSA2922 contains chromard liner.
 Liner outer diameter: 95.040mm.
 Flange diameter: 101.000mm.
 Flange depth: N/A.
 Flange width: 0.920mm.
 Liner length: 181.000mm.
- (3) Contains armoured (Alfin) top ring groove. Piston suits Turbo engine.
- (4) N1827 ring set and FCZ3661 chrome liner also suit 4JA1, 4JB1 non turbo models.



1471cc Gemini, RB	1584cc Fargo; Shuttle	1817cc Fargo; Shuttle; WFR11
Isuzu 4XC1	Isuzu 4ZA1	Isuzu 4ZB1 OHC Petrol

YEARS	NO. OF CYLS	1985-90	4	1981-on	4	1982-87	4
BORE & STROKE	(MM)	77.000	79.000	82.000	75.000	84.000	82.000
	(IN)	3.0314	3.1102	3.2283	2.9527	3.3070	3.2283
PISTON HEAD TYPE		1 				22 	
PISTON ASSEMBLY KIT Sizes		4MKRY8053⁽¹⁾ STD/0.50/1.00 4KRY8053 STD/0.50/0.75/1.00				4KRY2859 STD/020/040 4MKRY2859 STD/020/040	
CLEARANCE & POSITION (From crown)		0.0200 @ 43.50				0.0250 @ 55.20	
COMP HEIGHT	PIN DIA.	28.20	18.000			36.70	22.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.200 1.200 2.800				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1801 STD/0.50/1.00 1.200 1.200 2.800 C1679⁽²⁾ STD/0.50/1.00 1.500 2.800 PS1801 STD/0.50/0.75/1.00 1.200 1.200 2.800		M1465⁽³⁾ STD 2.000 2.000 4.000 C1606⁽³⁾ STD 1.500 1.500 4.000 PS1465⁽³⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1606⁽³⁾ STD 1.500 1.500 4.000		M1570 STD/0.50/1.00 2.000 2.000 4.000 M1653⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

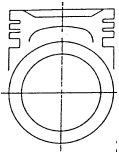
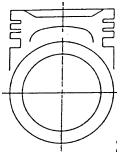
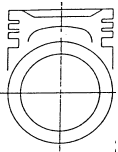
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8053 piston supersedes 2785 piston.
- (2) C1679 suits 2785 Piston which has 1 compression ring and 1 oil ring. M1801 suits some original pistons with 2 compression rings and 1 oil ring.
- (3) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (4) M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.



1994cc Shuttle	2254cc Jackaroo; Rodeo KB, KB24, KB29, TF	2559cc Jackaroo; Rodeo TF
Isuzu 4ZC1	Isuzu 4ZD1	Isuzu 4ZE1

YEARS	NO. OF CYLS	1982-90	4	1985-88	4	1987-92	4
BORE & STROKE	(MM)	88.000	82.000	89.300	90.000	92.600	95.000
	(IN)	3.4645	3.2283	3.5157	3.5433	3.6456	3.7401
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		4MKRY2904 0.50/1.00		4KRY8030 STD/0.50/0.75/1.00 4MKRY8030 STD/0.50/1.00		4KRY8031 STD/0.50/0.75/1.00 4MKRY8031 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 42.00		0.0300 @ 46.70		0.0300 @ 46.90	
COMP HEIGHT	PIN DIA.	37.00	22.000	33.85	23.000	36.40	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1830 STD/0.50/1.00 1.500 1.500 4.000		C1817 STD/0.50/1.00 1.500 1.500 4.000 PS1817 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1818 STD/0.50/1.00 1.500 1.500 4.000 PS1818 STD/0.50/0.75/1.00 1.500 1.500 4.000	

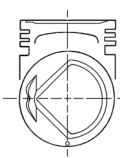
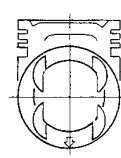
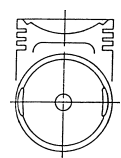
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2559cc Rodeo, Jackaroo	3165cc Trooper; Jackaroo	1487cc Astra LB
Isuzu 4ZE1	Isuzu 6VD1 SOHC	Nissan E15

YEARS	NO. OF CYLS	1993-98	4	1992-98	6	1984-87	4
BORE & STROKE	(MM)	92.600	95.000	93.400	77.000	76.000	82.000
	(IN)	3.6456	3.7401	3.6770	3.031	2.9921	3.2283
PISTON HEAD TYPE		239 		212 		142 	
PISTON ASSEMBLY KIT Sizes		4MKRY2992 STD/0.50/1.00 4KRY2992 STD/0.50/1.00		6MKRY2994 STD/0.50/1.00		4KRY8054⁽²⁾ STD/0.50/1.00 4MKRY8054⁽²⁾ STD/0.50/0.75	
CLEARANCE & POSITION (From crown)		0.02 @ 53.60		0.03 @ 47.00		0.02 @ 49.00	
COMP HEIGHT	PIN DIA.	36.10	23.00	36.10	23.00	32.50	19.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1818 STD/0.50/1.00 PS1818 STD/0.50/0.75/1.00		C1911 STD/0.50/1.00 1.500 1.500 4.000 C1912 STD 1.500 1.500 3.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

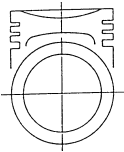
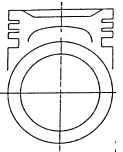
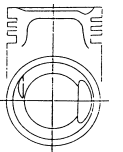
NOTES

(2) 8054 piston supersedes 2721 piston.

Holden



1488cc Astra LB	1597cc Astra LC	970cc Scurry
Nissan E15T OHC Turbo	Nissan E16	Suzuki F10A

YEARS	NO. OF CYLS	1984-85	4	1986-87	4	1985-90	4
BORE & STROKE	(MM)	76.000	82.000	76.000	88.000	65.500	72.000
	(IN)	2.9921	3.2283	2.9921	3.4645	2.5787	2.8346
PISTON HEAD TYPE		6 		22 		123 	
PISTON ASSEMBLY KIT Sizes		4MKRY8055 STD/0.50/1.00		4KRY8037 STD/0.50/1.00 4MKRY8037 STD/0.50/1.00		4KRY2784 STD/0.50/1.00 4MKRY2784 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.02 @ 50.00		0.02 @ 37.00		0.0200 @ 54.00	
COMP HEIGHT	PIN DIA.	33.00	19.000	32.50	19.000	24.50	16.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1644⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1678 STD/0.50/1.00 1.500 1.500 2.800 PS1678 STD/0.50/1.00 1.500 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) PS1644 **NOT** to be used in turbo application.



1324cc

Barina MB, ML; Drover QB, 4WD

Suzuki G13A

1298cc

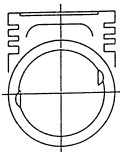
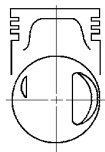
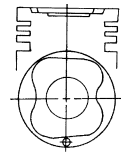
Barina MF, MH

Suzuki G13B SOHC

1587cc

Nova LE

Toyota 4AFC DOHC 16 Valve

YEARS	NO. OF CYLS	1985-89	4	1984-92	4	1989-91	4
BORE & STROKE	(MM)	74.000	77.000	74.000	75.500	81.000	77.000
	(IN)	2.9133	3.0314	2.9133	2.9724	3.1889	3.0314
PISTON HEAD TYPE		181		215		204	
PISTON ASSEMBLY KIT		4KRY2934⁽¹⁾ STD/0.50/1.00		4KRY2929 STD/0.50/1.00		4KRY8003 STD/0.50/1.00	
Sizes		4MKRY2934⁽¹⁾ STD/0.50/1.00		4MKRY2929 STD/0.50/1.00		4MKRY8003 STD/0.50/1.00	
CLEARANCE & POSITION		0.0200 @ 45.00		0.0200 @ 45.80		0.0300 @ 46.00	
(From crown)							
COMP HEIGHT	PIN DIA.	28.10	17.000	28.90	17.000	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 2.800		1.200 1.500 2.800		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1770 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800		C1805 STD/0.50/1.00 1.500 1.500 3.000	
Sizes		PS1770 STD/0.50/1.00 1.200 1.500 2.800		PS1770 STD/0.50/1.00 1.200 1.500 2.800		PS1805 STD/0.50/1.00 1.500 1.500 3.000	
Widths				C1930 STD 1.200 1.200 2.500			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

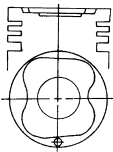
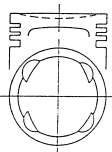
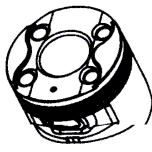
NOTES

- (1) Piston 2934 suits 86 on. 2934 suits unleaded vehicles and is a lower compression piston than 2783. 2934 supersedes 2783.

Holden



1587cc Nova LF Toyota 4AFE DOHC 16 Valve	1587cc Nova LG Toyota 4AFE DOHC 16 Valve	1397cc Nova, LE, LF Toyota 6A, 6AFC
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YEARS	NO. OF CYLS	1991-94	4	1994-96	4	1989-92	4
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	76.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	2.9921	3.0314
PISTON HEAD TYPE		204 		148 		237 	
PISTON ASSEMBLY KIT		4KRY8003 STD/0.50/1.00 4MKRY8003 STD/0.50/1.00		4MKRY8058 STD/0.50/1.00		4MKRY2985 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0300 @ 46.00		0.0200 @ 42.50		0.0300 @ 50.00	
(From crown)							
COMP HEIGHT	PIN DIA.	30.40	18.000	30.20	20.015	30.10	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1805 STD/0.50/1.00 1.500 1.500 3.000 PS1805 STD/0.50/1.00 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000		C1859 STD/0.50/1.00 1.500 1.500 3.000	
Sizes							
Widths							

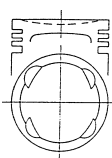
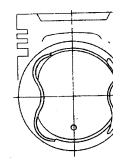
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1762cc Nova LF, LG	1998cc Apollo JK	1998cc Apollo JK, JL
Toyota 7A, 7AFE DOHC 16V	Toyota 3SFC 16 Valve DOHC	Toyota 3SFE 16 Valve DOHC

YEARS	NO. OF CYLS	1994-96	4	1989-91	4	1989-93	4
BORE & STROKE	(MM)	81.000	85.500	86.000	86.000	86.000	86.000
	(IN)	3.1889	3.3661	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		148 		205 		205 	
PISTON ASSEMBLY KIT		4MKRY8059		4KRY8002⁽¹⁾		4KRY8002⁽¹⁾	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
				4MKRY8002⁽¹⁾		4MKRY8002⁽¹⁾	
				STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0200 @ 42.50		0.0300 @ 45.00		0.0300 @ 45.00	
(From crown)							
COMP HEIGHT	PIN DIA.	30.20	20.015	35.00	20.000	35.00	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3375A 3375B	
RING SET		C1860		M1742		M1742	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.200 1.500 3.000		1.500 1.500 4.000		1.500 1.500 4.000	
				PS1742		PS1742	
				STD/0.50/0.75/1.00		STD/0.50/0.75/1.00	
				1.500 1.500 4.000		1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

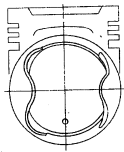
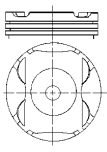
NOTES

(1) 8002 piston supersedes 2851.

Holden



2164cc Apollo JM, JP	2958cc Apollo JM, JP	1159cc Torana HB
Toyota 5SFE DOHC 16 Valve	Toyota 3VZFE DOHC 24 Valve	1159

YEARS	NO. OF CYLS	3/1993-1997	4	1993-94	6	1966-71	4
BORE & STROKE	(MM)	87.000	91.000	87.500	82.000	77.749	60.960
	(IN)	3.4251	3.5826	3.4448	3.2283	3.0610	2.4000
PISTON HEAD TYPE		205 		223 			
PISTON ASSEMBLY KIT Sizes		4MKRY8001 STD/0.50/0.75/1.00 4KRY8001 STD/0.50/0.75/1.00		6MKRY8025 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.0250 @ 48.40		0.0300 @ 47.00			
COMP HEIGHT	PIN DIA.	32.40	22.000	33.90	22.000		
LOCKING DEVICE		CC		SC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY						3062B	
RING SET Sizes Widths		M1807 STD 1.500 1.500 4.000 C1807 STD/0.50/1.00 1.500 1.500 4.000 PS1807 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1253 STD/020/040 .078 .078 .187	

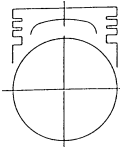
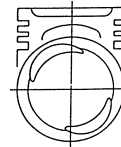
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1256cc Torana LJ, TA	1599cc Torana LC, LJ	1598cc Camira JB, JD
1256	1599	1.6L FII G1 Leaded

YEARS	NO. OF CYLS	1972-75	4	1972-73	4	1982-87	4
BORE & STROKE	(MM)	80.950	60.960	85.725	69.240	80.000	79.500
	(IN)	3.1870	2.4000	3.3750	2.7260	3.1496	3.1299
PISTON HEAD TYPE		1 				179 	
PISTON ASSEMBLY KIT Sizes		4KRY2766 020/040/060 4MKRY2766 020/040/060				4KRY2745 STD/0.50/1.00 4MKRY2745 0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		0.0380 @ 25.00				0.0300 @ 49.00	
COMP HEIGHT	PIN DIA.	37.70	20.000			40.00	23.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		.078 .078 .187				1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY		3188A 3188B				3150B	
RING SET Sizes Widths		C1462 STD/020/040/060 .078 .078 .187 PS1462 STD/020/040 .078 .078 .187		C1410 STD 2.000 2.000 4.750		M1663 STD/0.50/1.00 1.500 1.750 4.000 PS1663 STD/0.50/0.75/1.00 1.500 1.750 4.000	

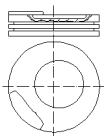
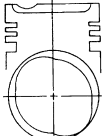
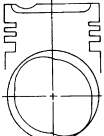
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1598cc Astra LD	1796cc Camira JB, JD	1796cc Camira JD
1.6L FII G2 (16LF)	1.8L FII G1 Leaded	1.8L FII G1 Unleaded

YEARS	NO. OF CYLS	1987-90	4	1982-85	4	1986-87	4
BORE & STROKE	(MM)	80.000	79.500	84.800	79.500	84.800	79.500
	(IN)	3.1496	3.1299	3.3385	3.1299	3.3385	3.1299
PISTON HEAD TYPE		208 		201 		201 	
PISTON ASSEMBLY KIT Sizes		4MKRY2938 STD/0.50/1.00		4KRY2935⁽¹⁾ STD/0.50/1.00 4MKRY2935⁽¹⁾ STD/0.50/1.00		4KRY2935 STD/0.50/1.00 4MKRY2935 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 47.10		0.0200 @ 51.70		0.0200 @ 51.70	
COMP HEIGHT	PIN DIA.	31.90	21.000	39.70	23.000	39.70	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.750 4.000		1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1811 STD/0.50/1.00 1.500 1.500 3.000		M1680 STD/0.50/0.75 1.500 1.750 4.000 PS1680 STD/0.50/1.00 1.500 1.750 4.000		M1680 STD/0.50/0.75 1.500 1.750 4.000 PS1680 STD/0.50/1.00 1.500 1.750 4.000	

LEGEND

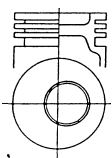
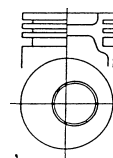
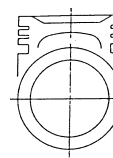
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2935 supersedes 2786.
2935 is a lowered compression ratio piston and suitable for use in unleaded engines.



1796cc Astra LD 1.8L FII G2 Unleaded	1998cc Calibra YE; Camira JE; Frontera UT 2.0L FII G2 Unleaded SOHC	1891cc Commodore VB, VC, VH; Sunbird; Torana LH, UC 1.9L Starfire
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YEARS	NO. OF CYLS	1987-90	4	1987-98	4	1978-85	4
BORE & STROKE	(MM)	84.800	79.500	86.000	86.000	88.900	76.200
	(IN)	3.3385	3.1299	3.3858	3.3858	3.5000	3.0000
PISTON HEAD TYPE		25 		25 		22 	
PISTON ASSEMBLY KIT Sizes		4KRY2855 STD/0.50/1.00 4MKRY2855 STD/0.50/1.00		4KRY2966⁽¹⁾ STD/0.50/1.00 4MKRY2966⁽¹⁾ STD/0.50/1.00		4KRY2505 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		0.0300 @ 45.50		0.0200 @ 42.50		0.0015 @ 1.12	
COMP HEIGHT	PIN DIA.	33.65	21.000	30.40	21.000	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY						3500A 3500B	
RING SET Sizes Widths		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		M1576 STD/020/030/040/060 .078 .078 .187 PS1576 STD/020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ 2966 compression is 8.8:1 (Australian Version)
2968 suits engines with higher compression ratio 10.2:1 (Export only)
2967 suits engines with 9.2:1 (Export only)



2174cc FC; FE; FJ; Series 48, 50 132 Grey Motor	2265cc EJ; EK; FB; FC; FE; FJ; Torana 138 Grey Motor	2262cc Torana, LC, LJ, UC 2262
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YEARS	NO. OF CYLS	1948-63	6	1948-63	6	1969-74	6
BORE & STROKE	(MM)	76.200	79.375	77.787	79.375	79.375	76.200
	(IN)	3.0000	3.1250	3.0624	3.1250	3.1250	3.0000
PISTON HEAD TYPE		1		1			
PISTON ASSEMBLY KIT		6KRY2075		6KRY2075			
Sizes		STD/040		STD/040			
		6KRY2663⁽²⁾		6KRY2663⁽²⁾			
		STD/040/060		STD/040/060			
CLEARANCE & POSITION		.0015 @ .93		.0015 @ .93			
(From crown)							
COMP HEIGHT	PIN DIA.	1.77	.750	1.77	.750		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		.093 .093 .187		.093 .093 .187			
CYLINDER SLEEVE/ASSEMBLY		3062		3062			
RING SET		C263⁽¹⁾		M1369⁽³⁾		M1369	
Sizes		STD		STD/040/060		STD/040/060	
Widths		.093 .093 .187		.078 .078 .187		.078 .078 .187	
				C993			
				STD/040			
				.093 .093 .187			
				PS993			
				STD/040			
				.093 .093 .187			
				PS1369			
				STD/040/060			
				.078 .078 .187			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C263-STD suits standard 132 grey motor piston.
If using 2075 piston then use C993 ring set.
If using 2663 piston use M1369 ring set.
- (2) To use this piston, bore to be 3.125in (6KRY2663-STD).
- (3) M1369 suits piston 2663.



149ci EH; HD; Torana; X2 149	161ci HG; HK; HR; HT; Torana 161	173ci Commodore VB; HJ; HQ; HX; HZ; Torana 173 Red Motor
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YEARS	NO. OF CYLS	1963-74	6	1963-74	6	1963-80	6
BORE & STROKE	(MM)	82.550	76.200	85.725	76.200	88.900	76.200
	(IN)	3.2500	3.0000	3.3750	3.0000	3.5000	3.0000
PISTON HEAD TYPE		1		1		22	
PISTON ASSEMBLY KIT Sizes		6KRY2085 STD/040/060		6KRY2028 STD/040/060		6KRY2505 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93		.0015 @ .93		.0015 @ 1.12	
COMP HEIGHT	PIN DIA.	1.78	.866	1.78	.866	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3500A 3500B	
RING SET Sizes Widths		C1114 060 .078 .078 .187 PS1114 STD .078 .078 .187		C1210 STD/030/040/060 .078 .078 .187 PS1210 STD/040 .078 .078 .187		M1354 STD/020/030/040/060 .078 .078 .187 PS1354 STD/020/030/040/060 .078 .078 .187	

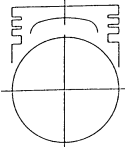
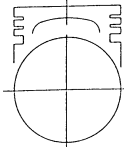
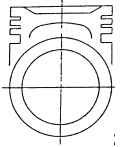
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



179ci EH; HD; Torana; X2	186ci HG; HK; HR; HT; Torana GTR, LC, XU-1	186ci(2) HG; HK; HR; HT; Torana GTR, LC, XU-1
179	186	186 Unleaded Petrol

YEARS	NO. OF CYLS	1963-74	6	1963-74	6	1963-74	6
BORE & STROKE	(MM)	90.487	76.200	92.075	76.200	92.075	76.200
	(IN)	3.5625	3.0000	3.6250	3.0000	3.6250	3.0000
PISTON HEAD TYPE		1 		1 		22 	
PISTON ASSEMBLY KIT Sizes		6KRY2087 STD/040		6KRY3000⁽¹⁾ STD/030/040/060/080 6MKRY3000 STD/030/040/060		Bowl Volume 7.0cc 6MKRY3001⁽²⁾ 030/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93		.0015 @ 2.28		.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.78	.866	1.78	.866	1.78	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3562B		3623B		3623B	
RING SET Sizes Widths		C1113 STD .078 .078 .187 PS1113 STD/020/030/040 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

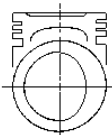
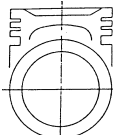
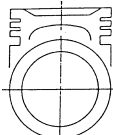
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons and ringsets in .080 oversize
Important:- .080 oversize outside the manufacturers recommendations.
- (2) Recommended as part of conversion to use Unleaded Petrol.



202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana; WB; WL	202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana; WB; WL	202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana
202 Red, Blue, Black	202 Unleaded Petrol	202 Performance/Hi Comp

YEARS	NO. OF CYLS	1977-86	6	1971-86	6	1963-86	6
BORE & STROKE	(MM)	92.075	82.550	92.075	82.550	92.075	82.550
	(IN)	3.6250	3.2500	3.6250	3.2500	3.6250	3.2500
PISTON HEAD TYPE		224 		22 		22 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 7.2cc 6KRY3302 STD/020/030/040/060 6KRY9080⁽¹⁾ STD 6MKRY3302 STD/020/030/040/060		Bowl Volume 14.8cc 6MKRY3301⁽²⁾ 020/040/060		Bowl Volume 2.2cc 6MKRY9096⁽³⁾ 030/040/060 6MKRY9096H⁽⁴⁾ (Fileback) 030/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ 2.46		.0015 @ 2.28		.0025 @ 2.38	
COMP HEIGHT	PIN DIA.	1.66	.866	1.66	.866	1.68	.866
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		3623B		3623B		3623B	
RING SET Sizes Widths		M1357 STD/020/030/040/060 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		M1357 STD/020/030/040/060 .078 .078 .187 PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		M1844⁽⁵⁾ STD/020/030/040/060 .059 .059 .156 M9114⁽⁶⁾ 005/025/035/045/065 .059 .059 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons & ringsets in .080 oversize are available on request. Important:- .080 oversize outside the manufacturers recommendations. 6KRY9080 is .080 o/s for 202.
- (2) Recommended as part of conversion to use Unleaded Petrol
- (3) 9096 piston produces nominal compression ratio of 9.0:1 when used with a clearance volume of 63.5cc.

9118 piston produces nominal compression ratio of 9.5:1 when used with a clearance volume of 60.0cc
9096 & 9118 piston use tapered gudgeon pin no: R3334T-STD (84gm) which can be purchased separately.

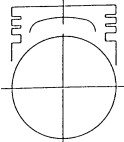
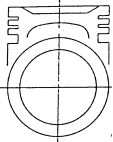
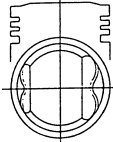
- (4) Includes file back rings.
- (5) Non file back ring set, 1.5,1.5,4.0mm suits 9096, 9118 pistons.
- (6) M9114 is a low friction performance file back ring set. The top rings are made of high strength ductile iron and require the end gap to be set.



9096



202ci Commodore VB, VC, VH, VK; HJ; HQ; HX; HZ; Kingswood; Torana	2835cc Commodore VC, VH	2962cc Commodore VL
202 Performance/Hi Comp	2.85L Blue Motor	Nissan RB30E

YEARS	NO. OF CYLS	1963-86	6	1980-85	6	1986-92	6
BORE & STROKE	(MM)	92.075	82.550	88.900	76.200	86.000	85.000
	(IN)	3.6250	3.2500	3.5000	3.0000	3.3858	3.3464
PISTON HEAD TYPE		1		22		118	
PISTON ASSEMBLY KIT		6MKRY9118⁽¹⁾ 030/040/060		6KRY2505 STD/020/030/040/060		6KRY2799 STD/0.50/1.00	
Sizes		6MKRY9118H^(1, 2) (Fileback) 030/040/060				6MKRY2799 STD/0.50/1.00	
CLEARANCE & POSITION		.0025 @ 2.38		.0015 @ 1.12		0.025 @ 47.30	
(From crown)							
COMP HEIGHT	PIN DIA.	1.68	.866	1.78	.866	32.10	21.000
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		.059 .059 .156		.078 .078 .187		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY		3623B		3500A 3500B		3375B	
RING SET		M1844⁽³⁾ STD/020/030/040/060 .059 .059 .156		M1354 STD/020/030/040/060 .078 .078 .187		M1686 STD/0.50/1.00 1.500 1.500 2.800	
Sizes		M9114⁽⁴⁾ 005/025/035/045/065 .059 .059 .156		PS1354 STD/020/030/040/060 .078 .078 .187		PS1686⁽⁵⁾ STD/0.50/1.00 1.500 1.500 2.800	
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 9096 piston produces nominal compression ratio of 9.0:1 when used with a clearance volume of 63.5cc.

9118 piston produces nominal compression ratio of 9.5:1 when used with a clearance volume of 60.0cc. 9096 and 9118 piston use tapered gudgeon pin no: R3334T-STD (84gm) which can be purchased separately.

(2) Includes file back rings.

(3) Non file back ring set, 1.5, 1.5, 4.0mm. suits 9096, 9118 pistons.

(4) M9114 is a low friction performance file back ring set. The top rings are made of high strength ductile iron and require the end gap to be set.

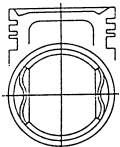
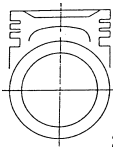
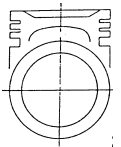
(5) Do not use PS1686 ring set in turbo application.



9118



2962cc Commodore VL	3794cc Commodore VN, VP; Statesman VQ	3794cc Commodore VR; Statesman VR
Nissan RB30E Turbo	3.8L V6	3.8L V6

YEARS	NO. OF CYLS	1986-88	6	1988-94	6	1994-95	6
BORE & STROKE	(MM)	86.000	85.000	96.520	86.360	96.520	86.360
	(IN)	3.3858	3.3464	3.8000	3.4000	3.8000	3.4000
PISTON HEAD TYPE		119 		22 		22 	
PISTON ASSEMBLY KIT		Bowl Volume 12.0cc 6MKRY9301 STD/0.50/1.00		Bowl Volume 25.5cc 6KRY3800 STD/020/040 6MKRY3800 STD/020/040		Bowl Volume 34.7cc 6MKRY3801 STD/020/040	
Sizes							
CLEARANCE & POSITION		.0250 @ 45.30		.0005 @ 1.73		.0005 @ 1.78	
(From crown)							
COMP HEIGHT	PIN DIA.	32.10	21.000	1.39	.906	1.44	.906
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		.059 .059 .118		.047 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		3375B					
RING SET		C1686 STD/0.50/1.00 1.500 1.500 2.800		M1727 STD/020/040 .059 .059 .118 M9095⁽¹⁾ 005 .059 .059 .156 M9100⁽²⁾ 005 .059 .059 .118 PS1727 STD/020/040 .059 .059 .118		M1812 STD/020/040 .047 .059 .118	
Sizes							
Widths							

LEGEND

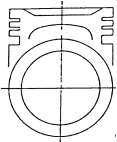
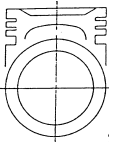
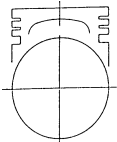
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M9095 is a ring set used in the Formula Holden racing class.
M9095 is a file back ring set.
- (2) M9100 is a file back ring set.



3794cc Commodore VS; Statesman VS, VT, VX	3794cc Commodore VN, VP, VR; Statesman VQ, VR	253ci Brougham; Commodore VB, VC, VH; HG; HJ; HQ; HT; HX; HZ; Kingswood; Statesman; Torana, LH, LX; WB
3.8L V6	3.8L V6 Hi Comp/Performance	253 Red & Blue Motor

YEARS	NO. OF CYLS	1995-on	6	1988-95	6	1969-84	8
BORE & STROKE	(MM)	96.520	86.360	96.520	86.360	92.075	77.787
	(IN)	3.8000	3.4000	3.8000	3.4000	3.6250	3.0625
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 7.5cc 6MKRY3802 STD/020/040		Bowl Volume 23.6cc 6MKRY9380⁽²⁾ 020/040		8KRY4200 STD/020/030/040/060/080 8MKRY4200 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)		.0005 @ 1.79				.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.08	.866	1.425	.906	1.68	.927
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		.047 .059 .118		.047 .059 .118		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY						3623B	
RING SET Sizes Widths		M1812⁽¹⁾ STD/020/040 .047 .059 .118		M1812 STD/020/040 .047 .059 .118		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

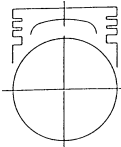
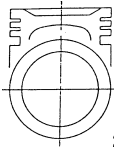
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1812 ring set suits ACL piston only. ACL piston for this model has been designed to incorporate a 3mm wide oil ring. Original pistons use a 2mm wide oil ring.
- (2) 9380 piston gives 10.0:1 compression ratio.



253ci Brougham; Commodore VB, VC, VH; HG, HJ, HQ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX	253ci Brougham; Commodore VB, VH; HG, HJ, HQ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX	Brougham; Commodore VB, VC, VH; HG, HJ, HT, HX, HZ Kingswood; Statesman; Torana LH, LX
253 Performance Hi Comp	253 Performance	253 Unleaded Petrol

YEARS	NO. OF CYLS	1969-80	8	1969-80	8	1969-84	8
BORE & STROKE	(MM)	92.075	77.787	92.075	77.787	92.075	77.787
	(IN)	3.6250	3.0625	3.6250	3.0625	3.6250	3.0625
PISTON HEAD TYPE		83 		1 		22 	
PISTON ASSEMBLY KIT		Dome Volume 7.5cc 8MKRY9115⁽¹⁾ STD/020/030/040/060 8MKRY9115H⁽¹⁾ (Fileback) STD/020/030/040/060		8MKRY9119⁽⁵⁾ 020/030/040/060 8MKRY9119H⁽⁵⁾ (Fileback) 020/030/040/060 8MKRY9253⁽⁶⁾ 060		Bowl Volume 6.0cc 8MKRY4201⁽³⁾ 020/040/060	
CLEARANCE & POSITION		.0025 @ 2.38		.0025 @ 2.38		.0015 @ 2.28	
COMP HEIGHT	PIN DIA.	1.68	.927	1.68	.927	1.68	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3623B		3623B		3623B	
RING SET		M9112 STD/020/030/040/060 .059 .059 .156 M9116⁽⁴⁾ 005/025/035/045/065 .059 .059 .156		M9112⁽²⁾ STD/020/030/040/060 .059 .059 .156 M9116⁽²⁾ 005/025/035/045/065 .059 .059 .156		M1286 STD/020/030/040/060 .078 .078 .187 PS1286 STD/020/030/040/060/080 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 9115 has nominal compression ratio of 10.0:1 when used with a clearance volume of 57.5cc. 9115 uses Tapered Gudgeon Pin No: R3333T-STD (95gm) which can be purchased separately.
****IMPORTANT NOTE****
 9115 pistons are left and right handed pistons.

- (3) Recommended as part of conversion to use Unleaded Petrol.

- (4) M9116 is a file back ring set that suits 9115 piston. M9112 is non file back.

- (5) Piston 9119 has compression ratio of 9.5:1 when used with a clearance volume of 61cc. 9119 uses Tapered Gudgeon Pin No: R3333T-STD (95gm) which can be purchased separately.

- (6) 8MKRY9253 for Speedway application. A semi finished flat top piston, compression height: 1.760 inch.



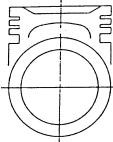
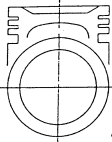
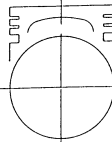
9115



9119



4987cc Commodore VL, VN, VP, VR, VS; Statesman	4987cc Commodore VT; Statesman	4987cc Commodore VL, VP, VR, VS, VT; Statesman
4.9L	4.9L	4.9L Performance

YEARS	NO. OF CYLS	1986-97	8	1997-99	8	1986-99	8
BORE & STROKE	(MM)	101.600	76.835	101.600	76.835	101.600	76.835
	(IN)	4.0000	3.0250	4.0000	3.0250	4.0000	3.0600
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT		Bowl Volume 10.5cc 8KRY4901 STD/020/030/040/060 8MKRY4901 STD/020/030/040/060		Bowl Volume 12.1cc 8MKRY4902 STD/020		8MKRY9490⁽¹⁾ 020/030/040/060 8MKRY9490H⁽¹⁾ (Fileback) STD/020/030/040/060	
Sizes							
CLEARANCE & POSITION		.0010 @ 2.36		.0010 @ 2.40		.0010 @ 2.36	
(From crown)							
COMP HEIGHT	PIN DIA.	1.710	.927	1.741	.927	1.710	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187 M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156 PS1561⁽⁴⁾ STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156 PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8MKRY9490/9500H has pre-gapped rings.
 8MKRY9490H/9500H has file back rings.
 9490/9500H piston compression ratio at
 nominated clearance volume:
 9.9:1 @ 71cc
 9.3:1 @ 76cc
 8.8:1 @ 81cc
 9490/9500 bare weight (STD) : 565/555gm
 9490/9500 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

- (2) File back ring set.

- (3) 065 & 080 Oversize pistons available
 Repower kits 8RP5002-065/080 only.
- (4) M/PS1848 has .059, .059, .156 ring pack and
 suits new 4901, 5004 and 5800 pistons.
 It also suits late model original piston
 M/PS1561 has .078, .078, .187 ring pack
 and suits old 4900, 5002 piston.
- (5) M1478 suits applications with .078, .078, .178
 ring pack.



9490



308ci

Brougham;
Commodore VB, VC, VH, VK, VN;
HG; HJ; HQ; HT; HX; HZ
Statesman; Torana LH, LX

308 Red, Blue, Black

308ci

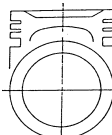
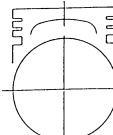
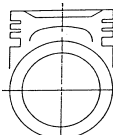
Brougham;
Commodore VB, VC, VH, VK, VN;
HG; HJ; HQ; HT; HX; HZ Kingswood;
Statesman; Torana SLR5000

308 Performance Hi Comp

308ci

Brougham;
Commodore VB, VC, VH, VK;
HJ, HQ, HT, HX, HZ Kingswood;
Statesman; Torana LH, LX

308 Unleaded Petrol

YEARS	NO. OF CYLS	1969-91	8	1969-91	8	1969-91	8
BORE & STROKE	(MM)	101.600	77.787	101.600	77.787	101.600	77.787
	(IN)	4.0000	3.0600	4.0000	3.0625	4.0000	3.0625
PISTON HEAD TYPE		22		1		22	
PISTON ASSEMBLY KIT		Bowl Volume 8.4cc 8MKRY5004⁽³⁾ STD/020/030/040/060 8MKRY5004⁽³⁾ STD/020/030/040/060		8MKRY9500⁽¹⁾ STD/020/030/040/060 8MKRY9500H⁽¹⁾ (Fileback) STD/020/030/040/060		Bowl Volume 17.8cc 8MKRY5003 020/040/060	
CLEARANCE & POSITION		.0010 @ 2.33		.0010 @ 2.33		.0020 @ 1.26	
COMP HEIGHT	PIN DIA.	1.69	.927	1.69	.927	1.69	.928
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187 M1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156 PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187 PS1848⁽⁴⁾ STD/020/030/040/060 .059 .059 .156		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478⁽⁵⁾ STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M1561⁽⁴⁾ STD/020/030/040/060 .078 .078 .187 PS1561^(3, 4) STD/020/030/040/060/065/080 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 8MKRY9500 has pre-gapped rings.
8MKRY9500H has file back rings.
9490/9500H piston compression ratio at
nominated clearance volume:
9.9:1 @ 71cc
9.3:1 @ 76cc
8.8:1 @ 81cc
9500 bare weight (STD) : 565/555gm
9500 use Tapered Pin No: R3326T-STD (120gm)
which can be purchased separately.

- (2) File back ring set.

- (3) 065 & 080 oversize pistons available.
Repower kits 8RP5002-065/080 only.

- (4) M/PS1848 has .059, .059, .156 ring pack and
suits new 4901, 5004 and 5800 pistons.
It also suits late model original piston
M/PS1561, has .078, .078, .187 ring pack
and suits old 4900, 5002 piston.

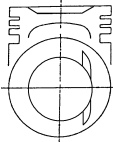
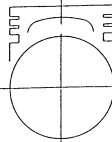
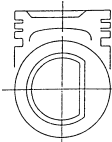
- (5) M1478 suits applications with .078, .078, .187
ring pack.



9500



355ci All 308 Using 5.7" Chev conrod and 3.480 crank. 308-355 Stroker	355ci Kingswood; Commodore; Monaro; Statesman Using 6" conrods 308-355 Stroker Kit	5737cc Commodore VR Motors fitted with 5.622 inch conrods 5.7L HSV Hi Perf Comp
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YEARS	NO. OF CYLS	1969-91	8	1969-91	8	1993-99	8
BORE & STROKE	(MM)	101.640	88.392	101.600	88.392	101.640	88.392
	(IN)	4.0016	3.4800	4.0000	3.4800	4.0016	3.4800
PISTON HEAD TYPE		210 		1 		7 	
PISTON ASSEMBLY KIT		Bowl Volume 20cc 8MKRY9355 030/040/060		8MKRY9358S⁽³⁾ 005/020/030		Bowl Volume 15.4cc 8MKRY9570⁽¹⁾ STD/020/030/040/060 8MKRY9570H⁽¹⁾ (Fileback) STD/020/030/040/060 For Bowl Volume 23.8cc 8MKRY9571⁽¹⁾ STD/020/030/040/060 8MKRY9571H (Fileback) STD/020/030/040/060	
Sizes							
CLEARANCE & POSITION		.001 @ 2.055		.0010 @ 1.909		.0010 @ 2.15	
(From crown)							
COMP HEIGHT	PIN DIA.	1.408	.927	1.116	.927	1.50	.927
LOCKING DEVICE		AC		SC		AC	
RING GROOVE WIDTHS		.047 .059 .118		1.500 1.500 3.000		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B				4004B	
RING SET		M9122 030/040/060 .047 .059 .118		M1932 005/020/030 1.500 1.500 3.000		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ 9570 & 9571 have pre-gapped rings.
 9570H & 9571H have file back rings.
 9570 & 9571 piston compression ratio at nominated clearance volume:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9570 & 9571 Bare Weight (STD) :475gm
 9570/9571 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

- ⁽²⁾ File back ring set.

- ⁽³⁾ 9358s is skirt coated piston.



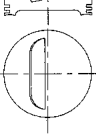
9570



9571



350ci Brougham; HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.	350ci Brougham; HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.	350ci Brougham; HG; HK; HQ; HT; Monaro GTS; Statesman Motors fitted with 5.7 inch conrods.
Chevrolet 350 Performance	Chevrolet 350 Perf Low Comp	Chevrolet 350 Perf Semi Finish

YEARS	NO. OF CYLS	1969-74	8	1968-74	8	1968-74	8
BORE & STROKE	(MM)	101.600	88.392	101.600	88.392	101.600	88.392
	(IN)	4.0000	3.4800	4.0000	3.4800	4.0000	3.4800
PISTON HEAD TYPE		209 		210 		1 	
PISTON ASSEMBLY KIT Sizes		Valve Pocket Volume 3cc 8MKRY9350⁽¹⁾ STD/020/030/040/060 8MKRY9350H⁽¹⁾ (Fileback) STD/020/030/040/060		Bowl Volume 20cc 8MKRY9352⁽¹⁾ STD/020/030/040/060 8MKRY9352H⁽¹⁾ (Fileback) STD/020/030/040/060		8MKRY9353⁽¹⁾ 030/040 8MKRY9353H⁽¹⁾ (Fileback) 030/040	
CLEARANCE & POSITION (From crown)		.0010 @ 2.20		.0010 @ 2.19		.0010 @ 2.20	
COMP HEIGHT	PIN DIA.	1.55	.927	1.54	.927	1.618	.927
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.059 .059 .156		.059 .059 .156		.059 .059 .156	
CYLINDER SLEEVE/ASSEMBLY		4004B		4004B		4004B	
RING SET Sizes Widths		M1478 STD/020/030/040/060 .078 .078 .187 M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478 STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187		M9106 STD/020/030/040/060 .059 .059 .156 M9110⁽²⁾ 005/025/035/045/065 .059 .059 .156 M1478 STD/020/030/040/060 .078 .078 .187 M9098⁽²⁾ 005/025/035/045/065 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9350, 9352 & 9353 have pre-gapped rings.
 9350H, 9352H & 9353H have file back rings.
 9350, 9352 & 9353 compression ratio at
 nominated clearance volume:
 9.8:1 @ 81cc
 9.3:1 @ 88cc
 8.8:1 @ 91cc
 9350 Bare Weight (STD) : 515gm
 9352 Bare Weight (STD) : 490gm
 9353 Bare Weight (STD) : 550gm
 9350, 2 & 3 use Tapered Pin No: R3326T-STD (120gm)
 which can be purchased separately.

- (2) File back ring set.

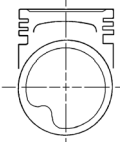
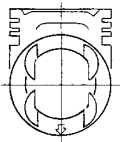
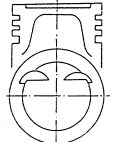


9353



9350



		1389cc	1598cc	1796cc
		Barina; Combo Van	Barina; Astra	Astra TS
		C14NZ	X1.6XE, C16SE	X18XE, C18SEL ⁽¹⁾
YEARS	NO. OF CYLS	4/1994-on	4/1994-on	8/1998-on
BORE & STROKE	(MM)	77.60	79.00	81.60
	(IN)	3.055	3.110	3.213
PISTON HEAD TYPE		227 	212 	52 
PISTON ASSEMBLY KIT		4MKRY2969	4MKRY2979	4MKRY2990 ⁽¹⁾
Sizes		STD/0.50/1.00	STD/0.50/1.00	STD/0.50/1.00
CLEARANCE & POSITION		0.02 @ 47.2	0.02 @ 40.0	0.00 @ 44.00 ⁽¹⁾
COMP HEIGHT		32.05	27.65	30.05
PIN DIA.		18.00	18.00	21.00
LOCKING DEVICE		AC	AC	AC
RING GROOVE WIDTHS		1.500 1.500 3.000	1.200 1.500 3.000	1.500 1.500 3.000
CYLINDER SLEEVE/ASSEMBLY				
RING SET		C1892	C1901	C1906
Sizes		STD/0.50/1.00	STD/0.50/1.00	STD/0.50/1.00
Widths		1.500 1.500 3.000	1.200 1.500 3.000	1.500 1.500 3.000
			C1940	
			STD/0.50	
			1.200 1.500 2.500	

LEGEND

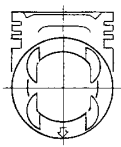
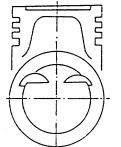
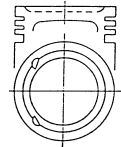
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4MKRY2990 is a skirt coated piston and runs 0.00 clearance at rib.
- 4MKRY2990 suits 10.5:1 X1.8XE engine.
- 4MKRY8072 suits 9.8:1 C18SEL engine. Check for availability.



1998cc Calibra	1998cc Calibra; Vectra; Astra	2198cc Vectra
X20XE 16V	X20XE, C20SEL 16V	C22SEL 16V

YEARS	NO. OF CYLS	9/1991-94	4	1994-10/1997	4	6/1997-on	4
BORE & STROKE	(MM)	86.00	86.00	86.00	86.00	86.00	94.6
	(IN)	3.384	3.386	3.386	3.386	3.386	3.724
PISTON HEAD TYPE		232 		52 		151 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 3.4cc 4MKRY2976 STD/0.50/1.00		Bowl Volume 3.10cc 4MKRY2989 STD/0.50/1.00		Bowl Volume 17.8cc 4MKRY8067 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.02 @ 43.4		0.02 @ 43.4		0.02 @ 43.4	
COMP HEIGHT	PIN DIA.	30.50	21.00	30.10	21.00	30.40	21.00
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.5 1.5 3.00		1.5 1.5 3.00		1.5 1.5 3.00	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000	

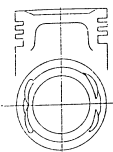
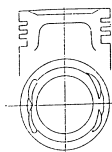
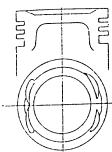
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1955cc Accord, 2000; Prelude	1955cc Prelude	1958cc Prelude, BA (Export markets)
A20A Carburettor & EFI	B20A	B20A3 DOHC

YEARS	NO. OF CYLS	1985-89	4	10/1987-11/91	4	10/1987-91	4
BORE & STROKE	(MM)	82.700	91.000	81.000		81.000	95.000
	(IN)	3.2559	3.5826	3.1889		3.1889	3.7401
PISTON HEAD TYPE		8 		8 		8 	
PISTON ASSEMBLY KIT Sizes		4MKRY8056 STD/0.50/1.00 4KRY8056 STD/0.50/.075/1.00		4MKRY2977⁽¹⁾ STD/0.50/1.00 4MKRY2971⁽¹⁾ STD/0.50/1.00		4MKRY2970 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 44.10		0.0200 @ 56.00		0.0200 @ 65.20	
COMP HEIGHT	PIN DIA.	29.50	20.000	30.40	22.000	29.800	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1847 STD/0.50/1.00 1.500 1.500 4.000 PS1847 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1865 STD/0.50/1.00 1.200 1.500 2.800		C1865 STD/0.50/1.00 1.200 1.500 2.800	

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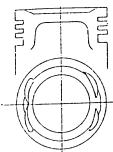
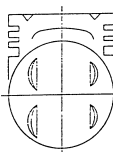
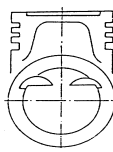
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4MKRY2977 Australian market bowl depth = 1.0mm
4MKRY2971 Export market bowl depth = 1.8mm
4MKRY2970 Export market bowl depth = 1.75mm



1958c Prelude Export Market	1493cc Civic	1590cc Civic; Concerto
B20A5 DOHC	D15B	D16A6

YEARS	NO. OF CYLS	10/1987-11/1991	4	1987-95	4	1986-95	4
BORE & STROKE	(MM)	81.000	95.000	75.000	84.500	75.000	90.000
	(IN)	3.1889	3.7401	2.9527	3.3267	2.9527	3.5433
PISTON HEAD TYPE		8 		192 		212 	
PISTON ASSEMBLY KIT Sizes		4MKRY2971⁽¹⁾ STD/0.50/1.00		4MKRY2972 STD/0.50/1.00		4MKRY2973 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 65.400		0.0200 @ 50.8		0.0200 @ 29.1	
COMP HEIGHT	PIN DIA.	30.800	22.000	30.800	19.007	29.100	19.007
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1865 STD/0.50/1.00 1.200 1.500 2.800		C1869 STD/0.50/1.00 1.200 1.500 2.800 C1870 STD/0.50/1.00 1.000 1.200 2.800		C1869 STD/0.50/1.00 1.200 1.500 2.800	

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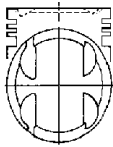
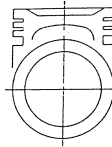
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4MKRY2977 Australian market bowl depth = 1.0mm
 4MKRY2971 Export market bowl depth = 1.8mm
 4MKRY2970 Export market bowl depth = 1.75mm



1590cc Civic; Concerto D16Z6	1169cc Civic EB1	1237cc Civic, SB, SC, SF EB2 OHC
--	--	--

YEARS	NO. OF CYLS	1986-95	4	1972-75	4	1973-79	4
BORE & STROKE	(MM)	75.000	90.000	70.000	76.000	72.000	76.000
	(IN)	2.9527	3.5433	2.7559	2.9921	2.8346	2.9921
PISTON HEAD TYPE		235 		22 			
PISTON ASSEMBLY KIT Sizes		4MKRY2974 STD/0.50/1.00		4KRY2671 0.50 4MKRY2671 0.50			
CLEARANCE & POSITION (From crown)		0.0200 @ 49.60		0.0400 @ 19.00			
COMP HEIGHT	PIN DIA.	29.600	19.000	26.500	17.020		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.200 1.500 2.800		1.500 1.500 2.80			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1869 STD/0.50/1.00 1.200 1.500 2.800		C1506 STD/0.50 1.500 1.500 2.800		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000	

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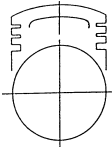
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1237cc Civic EB3	1488cc Civic, SE, VB EC OHC	1488cc Civic ED OHC
--	---	---

YEARS	NO. OF CYLS	1978-79	4	1974-79	4	1977-79	4
BORE & STROKE	(MM)	72.000	76.000	74.000	86.500	74.000	86.500
	(IN)	2.8346	2.9921	2.9133	3.4055	2.9133	3.4055
PISTON HEAD TYPE		14 					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		C1565 STD/0.50 1.500 1.500 4.000 C1804 STD 1.500 1.500 2.800 PS1565 STD 1.500 1.500 4.000		C1565 STD/0.50 1.500 1.500 4.000 PS1565 STD 1.500 1.500 4.000	

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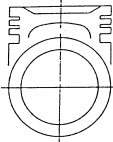
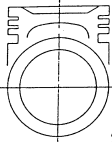
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1599cc Accord, SJ	1599cc Accord	1335cc Civic, SK, SP, VC
EF OHC	EG OHC	EJ

YEARS	NO. OF CYLS	1976-78	4	1977-78	4	1982-83	4
BORE & STROKE	(MM)	74.000	93.000	74.000	93.000	72.000	82.000
	(IN)	2.9133	3.6614	2.9133	3.6614	2.8346	3.2283
PISTON HEAD TYPE		22 		22 			
PISTON ASSEMBLY KIT Sizes		4KRY2668 0.50/0.75 4MKRY2668 0.50/0.75		4KRY2668 0.50/0.75 4MKRY2668 0.50/0.75			
CLEARANCE & POSITION (From crown)		0.0400 @ 47.00		0.0400 @ 47.00			
COMP HEIGHT	PIN DIA.	27.10	17.000	27.10	17.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1565⁽¹⁾ STD/0.50 1.500 1.500 4.000 C1804⁽¹⁾ STD 1.500 1.500 2.800 PS1565⁽¹⁾ STD 1.500 1.500 4.000		C1565⁽¹⁾ STD/0.50 1.500 1.500 4.000 C1804⁽¹⁾ STD 1.500 1.500 2.800 PS1565⁽¹⁾ STD 1.500 1.500 4.000		C1566 STD/0.50 1.500 1.500 2.800 C1676⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000	

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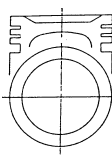
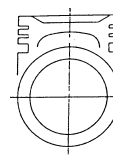
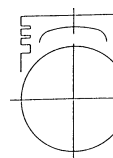
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1565 suits 2668 piston.
C1804 suits some original pistons with
a 2.8mm wide oil ring.
- (2) C1676 has 4mm oilring, C1566 has 2.8mm
oil ring. C1676 suits 2839 piston.



1751cc Accord SM, SZ, 1800; Prelude SN, 1800 EK	1602cc Accord, SJ, 1600; Prelude EL OHC	1488cc Civic EM OHC
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YEARS	NO. OF CYLS	1976-78	4	1977-83	4	1980-81	4
BORE & STROKE	(MM)	77.000	94.000	77.000	86.000	74.000	86.500
	(IN)	2.9133	3.7007	3.0314	3.3858	2.9133	3.4055
PISTON HEAD TYPE		22 		22 		1 	
PISTON ASSEMBLY KIT Sizes		4MKRY2772 0.50/1.00		4MKRY2772⁽¹⁾ 0.50/1.00		4MKRY2781 0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 37.50		0.0200 @ 37.50		0.0300 @ 43.00	
COMP HEIGHT	PIN DIA.	27.10	18.000	27.10	18.000	27.70	17.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		C1674 STD/0.50/1.00 1.500 1.500 4.000 C1804 STD 1.500 1.500 2.800 PS1674 STD 1.500 1.500 4.000	

LEGEND

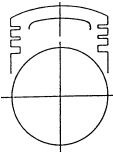
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ 2772 piston when used in 'EL' engines is reduced in compression ratio to original by approximately 0.4:1. Original piston is a flat top.



1335cc Civic, SL, SR, SS, ST	1601cc Accord SV, SY, 1600; Quintet 1600	1231cc City, Jazz
EN OHC	EP OHC	ER

YEARS	NO. OF CYLS	1979-83	4	1978-81	4	1981-86	4
BORE & STROKE	(MM)	72.000	82.000	77.000	86.000	66.000	90.000
	(IN)	2.8346	3.2283	3.0314	3.3858	2.5984	3.5433
PISTON HEAD TYPE		14 					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566⁽¹⁾ STD/0.50 1.500 1.500 2.800 C1676⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		M1845 STD 1.500 1.500 4.000	

LEGEND

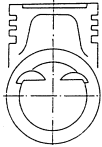
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1676 has 4mm oilring, C1566 has 2.8mm oil ring. C1676 suits 2839 piston.



1829cc Accord, 1800; Prelude ES	1829cc Accord; Prelude, AB100, AB110 ET	1488cc Civic; Integra EW2
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YEARS	NO. OF CYLS	1982-87	4	1984-86	4	1984-87	4
BORE & STROKE	(MM)	80.000	91.000	80.000	91.000	74.000	86.500
	(IN)	3.1496	3.5826	3.1496	3.5826	2.9133	3.4055
PISTON HEAD TYPE						52 	
PISTON ASSEMBLY KIT						4MKRY2940⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)						0.0200 @ 49.70	
COMP HEIGHT	PIN DIA.					29.40	19.000
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1707 STD/0.50/1.00 1.500 1.500 4.000		M1707 STD/0.50/1.00 1.500 1.500 4.000		C1674 STD/0.50/1.00 1.500 1.500 4.000 C1804⁽²⁾ STD 1.500 1.500 2.800 PS1674 STD 1.500 1.500 4.000 C1881 STD/0.50/1.00 1.200 1.200 2.800	PS1881 STD/0.50/0.75/1.00 1.200 1.200 2.800

LEGEND

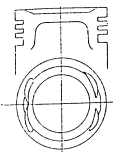
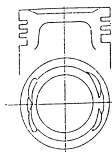
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2940 uses C1674 ring set.
 (2) C1804 suits some engines with 2.8mm oil ring.



2156cc Accord; Prelude F22A	2156cc Accord F22A5 16 Valve SOHC	2675cc Legend C27A1
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YEARS	NO. OF CYLS	1989-95	4	1989-97	4	1987-90	6
BORE & STROKE	(MM)	85.000	95.000	85.000	95.000	87.000	75.000
	(IN)	3.3464	3.7401	3.3464	3.7401	3.4251	2.9527
PISTON HEAD TYPE		8 		8 			
PISTON ASSEMBLY KIT Sizes		4MKRY8057 STD/0.50/1.00		4MKRY8057 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.0200 @ 40.00		0.0200 @ 40.00			
COMP HEIGHT	PIN DIA.	30.60	22.000	30.60	22.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.200 1.200 2.800		1.200 1.200 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1864 STD/0.50/1.00 1.200 1.200 2.800		M1864 STD/0.50/1.00 1.200 1.200 2.800		C1876 STD 1.200 1.200 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1343cc Civic	1829cc Accord; Prelude	
D13B	A18A	

YEARS	NO. OF CYLS	11/1991-8/93	4	1984-85	4	
BORE & STROKE	(MM)	75.000	76.000	80.000	91.000	
	(IN)	3.3464	3.7401	3.1496	3.5826	
PISTON HEAD TYPE						
PISTON ASSEMBLY KIT Sizes						
CLEARANCE & POSITION (From crown)						
COMP HEIGHT	PIN DIA.					
LOCKING DEVICE						
RING GROOVE WIDTHS						
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		C1891 STD 1.200 1.500 4.000		M1707 STD/0.50/1.00 1.500 1.500 4.000		

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



3298cc Commercial	3298cc Commercial	3907cc Commercial
D4AE 4D31 Diesel	D4/AK Diesel	D4AF Diesel

YEARS	NO. OF CYLS	1982-on	4	1985-on	4	1991-on	4
BORE & STROKE	(MM)	100.000	105.000	100.000	105.000	104.000	115.000
	(IN)	3.9370	4.1338	3.9370	4.1338	4.0944	4.5275
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1775⁽¹⁾ STD 3.000 2.000 5.000 C1873⁽¹⁾ STD 3.000 2.000 4.000		C1875⁽¹⁾ STD 3.000 2.000 4.000		C1874⁽¹⁾ STD 3.000 2.000 4.000	

LEGEND

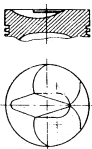
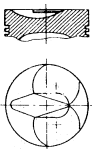
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽¹⁾ C1874, C1875 & C1775 have a trapezoidal top ring.
C1873 has a keystone top ring.



2476cc Commercial	2477cc Commercial	1238cc Pony
Mitsubishi 4D56 Diesel	Mitsubishi 4D56T Turbo Diesel	Mitsubishi 4G36 Chain Drive

YEARS	NO. OF CYLS	1986-92	4	1985-93	4	1982-85	4
BORE & STROKE	(MM)	91.100	95.000	91.100	95.000	73.000	74.000
	(IN)	3.5866	3.7401	3.5866	3.7401	2.8740	2.9133
PISTON HEAD TYPE		206 		206 			
PISTON ASSEMBLY KIT Sizes		4MKRY2957(1) STD		4MKRY2877 STD			
CLEARANCE & POSITION (From crown)		0.0300 @ 73.00		0.04 @ 77.50			
COMP HEIGHT	PIN DIA.	48.70	29.000	48.70	29.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		FSZ3587-SF⁽²⁾ RSA2957-SF⁽²⁾		FSZ3587-SF⁽²⁾ RSA2877-SF⁽²⁾		2875A 2875B	
RING SET Sizes Widths		M1878 STD 2.000 2.000 3.000 C1776⁽³⁾ STD 2.500 2.000 4.000 C1883⁽⁴⁾ STD 2.000 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1777 STD 2.500 2.000 4.000		C1247 STD/040/060 2.000 2.000 4.000 PS1247 STD/020/040/060 2.000 2.000 4.000	

LEGEND

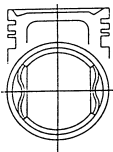
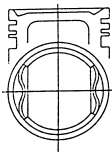
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2957 piston supersedes 2876 piston.
- (2) RSA2877-SF & RSA2957-SF contain FSZ3587-SF sleeve.
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (3) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular top ring.



1468cc Excel, Cabriolet, GL, GLS, Hatch GHY	1468cc Excel, Cabriolet, GL, GLS, Hatch G4AJ	1836cc Lantra G4CN 16 Valve DOHC
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YEARS	NO. OF CYLS	1986-87	4	1987-90	4	1992-95	4
BORE & STROKE	(MM)	75.500	82.000	75.500	82.000	81.500	88.000
	(IN)	2.9724	3.2283	2.9724	3.2283	3.2086	3.4645
PISTON HEAD TYPE		119 		119 			
PISTON ASSEMBLY KIT Sizes		4KRY8038 STD/0.50 4MKRY8038 STD/0.50		4KRY8038 STD/0.50 4MKRY8038 STD/0.50			
CLEARANCE & POSITION (From crown)		0.02 @ 45.00		0.02 @ 45.00			
COMP HEIGHT	PIN DIA.	28.60	18.000	28.6	18.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1895⁽¹⁾ STD 1.200 1.500 3.000	

LEGEND

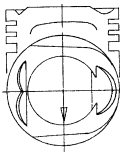
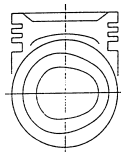
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Some O/E replacement pistons have shallow 2.8mm
 2.5mm oil ring no ACL equivalent - at present.



2350cc Sonata G4CS OHC	1468cc Excel Cabriolet, GL, GLS, Hatch; S Coupe G4DJ	1795cc Coupe; Lantra G4GM DOHC
--	---	--

YEARS	NO. OF CYLS	1989-91	4	1990-94	4	1995-on	4
BORE & STROKE	(MM)	86.500	100.000	75.500	82.000	82.000	85.000
	(IN)	3.4055	3.9370	2.9724	3.2283	3.2283	3.3464
PISTON HEAD TYPE		203 		188 			
PISTON ASSEMBLY KIT Sizes		4KRY8062 STD/0.50/1.00 4MKRY8062 STD/0.50/1.00		4MKRY8039 STD/0.50/1.00 4KRY8039 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.025 @ 55.00		0.0200 @ 45.50			
COMP HEIGHT	PIN DIA.	34.60	21.000	29.10	18.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1813 STD/0.50/1.00 1.500 1.500 4.000 PS1813 STD/0.50/1.00 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1924 STD/0.50/1.50 1.200 1.200 2.500	

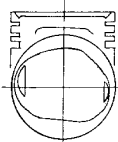
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1596cc Lantra G4CR 16 Valve DOHC	2972cc Sonata G6AT V6	1495cc Excel; S Coupe G4EK
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YEARS	NO. OF CYLS	1991-92	4	1990-93	6	1992-on	4
BORE & STROKE	(MM)	82.300	75.000	91.100	76.000	75.50	83.500
	(IN)	3.2401	2.9527	3.5866	2.9921	2.972	3.2870
PISTON HEAD TYPE				222 			
PISTON ASSEMBLY KIT Sizes				6KRY8015 STD/0.50/1.00 6MKRY8015 STD/0.50/1.00		4KRY7005⁽¹⁾ STD/0.50/1.00 4MKRY7005⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				.0250 @ 48.00			
COMP HEIGHT	PIN DIA.			33.90	22.000	31.30	18.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.500 1.500 4.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1937 STD/0.50/1.00 1.200 1.600 3.000		C1816 STD/0.50/1.00 1.500 1.500 4.000 PS1816 STD/0.50/1.00 1.500 1.500 4.000		C1923 STD/0.50/0.75/1.00 1.500 1.500 3.000 PS1923 STD/0.50/0.75/1.00 1.500 1.500 3.000	

LEGEND

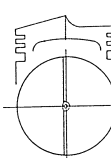
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) New piston, check for availability. Not for turbo version.



154ci Tractors	220ci Tractors; Trucks	240ci Trucks
AD154 & BD154 Diesel	SD220	BD240

YEARS	NO. OF CYLS	1961-78	4	1950-60	6	1950-68	6
BORE & STROKE	(MM)	88.900	101.600	90.487	93.662	90.487	102.057
	(IN)	3.5000	4.0000	3.5625	3.6875	3.5625	4.0180
PISTON HEAD TYPE						12	
PISTON ASSEMBLY KIT						6MKRY2030	
Sizes						040	
CLEARANCE & POSITION (From crown)						.0035 @ 1.20	
COMP HEIGHT	PIN DIA.					2.32	.875
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						.093 .124 .187	
CYLINDER SLEEVE/ASSEMBLY		WSJ3500		3562B		3562B	
RING SET		C1204 ⁽¹⁾		C1023 ⁽²⁾		C1023 ⁽²⁾	
Sizes		STD		040		040	
Widths		.093 .093 .093 .187 .187		.093 .124 .187		.093 .124 .187	
		C1743					
		STD					
		.093 .093 .187					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1204 suits original piston only.
 (2) C1023 suits pistons from 1955-on.

International



264ci Trucks ABD/AGD	282ci Trucks ABD/AGD 6.281	304ci Trucks V304 V8
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YEARS	NO. OF CYLS	1954-62	6	1968-78	6	1959-80	8
BORE & STROKE	(MM)	93.662	104.775	96.837	104.775	98.425	81.757
	(IN)	3.6875	4.1250	3.8125	4.1250	3.8750	3.2188
PISTON HEAD TYPE		17 		17 			
PISTON ASSEMBLY KIT Sizes		6MKRY2032 STD/040		6MKRY2033 STD/020/030/040/060			
CLEARANCE & POSITION (From crown)		.0035 @ 1.19		.0035 @ 1.14			
COMP HEIGHT	PIN DIA.	2.16	.875	2.04	.875		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		.093 .124 .187		.093 .124 .187			
CYLINDER SLEEVE/ASSEMBLY		3687A 3687B		3812A 3812B		3875A 3875B	
RING SET Sizes Widths		C992 STD .093 .124 .187		C1031 STD/020/030/040/060 .093 .124 .187		M1147 STD/040 .093 .093 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

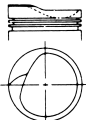
NOTES



345ci

Trucks

V345 V8

YEARS	NO. OF CYLS	1959-80	8		
BORE & STROKE	(MM)	98.425	92.870		
	(IN)	3.8750	3.6563		
PISTON HEAD TYPE		47			
					
PISTON ASSEMBLY KIT		8MKRY2552⁽¹⁾			
Sizes		020/040/060			
CLEARANCE & POSITION		.0045 @ 1.24			
(From crown)					
COMP HEIGHT	PIN DIA.	1.93	1.063		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		.093 .093 .187			
CYLINDER SLEEVE/ASSEMBLY		3875A 3875B			
RING SET		M1147			
Sizes		STD/040			
Widths		.093 .093 .187			

LEGEND

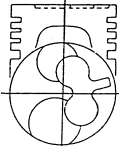
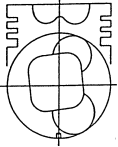
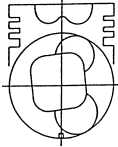
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 2552X has pin .0005 inch oversize for correct interference fit on old conrods with enlarged eye.



2775cc Bus; Elf; Journey	3595cc Bus; Elf, 350 KS; Journey; Trucks	3856cc Bus; Elf; Journey; Trucks
4BA1 OHV Diesel	4BB1 Diesel	4BD1 Diesel

YEARS	NO. OF CYLS	1971-79	4	1973-79	4	1980-84	4
BORE & STROKE	(MM)	98.000	92.000	102.000	110.000	102.000	118.000
	(IN)	3.8582	3.6220	4.0157	4.3307	4.0157	4.6456
PISTON HEAD TYPE		63 		178 		178 	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	62.50	33.000	62.70	35.000	58.75	35.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		3.000 2.500 5.000		3.000 2.500 5.000		3.000 2.500 5.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2906⁽¹⁾		RSA2869⁽²⁾		RSA2870^(2, 3)	
RING SET Sizes Widths		N1819 STD 3.000 2.500 5.000		N1768 STD 3.000 2.500 5.000		N1768 STD 3.000 2.500 5.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2906 contains chrome liner.
 Liner outer diameter : 101.040mm.
 Flange diameter: 108.000mm.
 Flange depth : N/A.
 Flange width : 1.420mm.
 Liner length : 180.850mm.

(2) RSA2869, 2870 contains chrome liner.
 Liner outer diameter : 105.030mm.
 Flange diameter : 111.940mm.
 Flange depth : N/A.
 Flange width : 1.420mm.
 Liner length : 203.960mm.

(4) RSA2870 & A2870 pistons suit to 1984.
 1984 on uses shorter skirt piston which
 currently is not a stock item.



5393cc

Forward; Journey; SBR;
SCR; SGR; SJR; SLR;
Trucks

6BB1 Diesel

5785cc

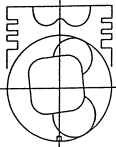
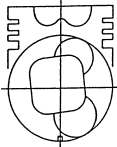
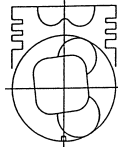
Forward; SBR; SCR; SGR;
Trucks

6BD1 Diesel

5785cc

Trucks

6BD1T Turbo

YEARS	NO. OF CYLS	1976-84	6	1976-84	6	1976-86	6
BORE & STROKE	(MM)	102.000	110.000	102.000	118.000	102.000	118.000
	(IN)	4.0157	4.3307	4.0157	4.6456	4.0157	4.6456
PISTON HEAD TYPE		178		178		178	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	62.70	35.000	58.75	35.000	58.75	35.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		3.000 2.500 5.000		3.000 2.500 5.000		3.000 2.500 5.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2869⁽¹⁾		RSA2870^(1, 2)		RSA2871^(1, 3, 4)	
RING SET Sizes Widths		N1769 STD 3.000 2.500 5.000		N1769 STD 3.000 2.500 5.000		N1769 STD 3.000 2.500 5.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2869, 2870, 2871 contains chrome liner.
Liner outer diameter: 105.030mm.
Flange diameter: 111.940mm.
Flange depth: N/A.
Flange width: 1.420mm.
Liner length: 203.960mm.

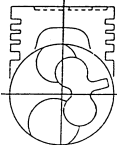
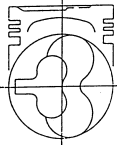
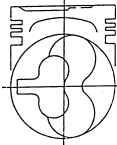
- (2) RSA2870 piston assemblies suit to 1984.
1984-on uses shorter skirt piston which
currently is not a stock item.

- (3) RSA2871 piston assemblies suits up to 1984.
1984-on uses short skirt piston which
currently is not a stock item.

- (4) Contains armoured (Alfin) top ring groove.



1951cc Elf, 150 KA; Florian; Journey; Rodeo	2238cc Rodeo; Trooper	2238cc Rodeo
C190 OHV Diesel	C223 Diesel	C223T (Turbo)

YEARS	NO. OF CYLS	1970-82	4	1979-88	4	1984-88	4
BORE & STROKE	(MM)	86.000	84.000	88.000	92.000	89.000	92.000
	(IN)	3.3858	3.3070	3.4645	3.6220	3.5039	3.6220
PISTON HEAD TYPE		63 		59 		59 	
PISTON ASSEMBLY KIT Sizes						4MKRY2923⁽⁵⁾ 0.50/1.00	
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.	52.00	27.000	48.00	27.000	47.60	29.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		RSA2891^(2, 3)		RSA2867^(4, 5)			
RING SET Sizes Widths				N1681⁽¹⁾ STD 2.000 2.000 4.000		C1828 STD/0.50/1.00 2.500 2.000 4.000	

LEGEND

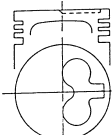
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) IMPORTANT: This engine has Chrome bores.
- (2) Sleeves supplied are chromium type.
- (3) RSA2891 contains chrome liner.
 Liner outer diameter: 88.011mm.
 Flange diameter: 93.980mm.
 Flange depth: N/A.
 Flange width: 0.922mm.
 Liner length: 163.373mm.
- (4) RSA2867 contains chrome liner.
 Liner outer diameter: 89.970mm.
 Flange diameter: 94.890mm.
 Flange depth: N/A.
 Flange width: 0.890mm.
 Liner length: 163.320mm.
- (5) Contains armoured (Alfin) top ring groove.



2369cc Bus; Elf, 250 TL	1817cc Shuttle	1995cc Shuttle
C240 OHV Diesel	4FB1 OHC Diesel	4FC1 OHC Diesel

YEARS	NO. OF CYLS	1968-74	4	1979-85	4	1981-90	4
BORE & STROKE	(MM)	86.000	102.000	84.000	82.000	84.000	90.000
	(IN)	3.3858	4.0157	3.3070	3.2283	3.3070	3.5433
PISTON HEAD TYPE		10 		63 			
PISTON ASSEMBLY KIT Sizes				4MKRY2744 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				0.0400 @ 60.00			
COMP HEIGHT	PIN DIA.	51.56	27.000	44.70	25.000		
LOCKING DEVICE		SC		SC			
RING GROOVE WIDTHS		2.000 2.000 2.000 5.000		2.500 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		RSA2868⁽¹⁾					
RING SET Sizes Widths				M1662 STD/0.50/1.00 2.500 2.000 4.000		M1662 STD/0.50/1.00 2.500 2.000 4.000	

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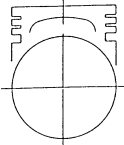
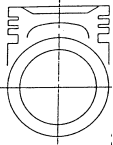
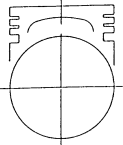
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2868 contains chrome liner.
 Liner outer diameter: 88.008mm.
 Flange diameter: 93.980mm.
 Flange depth: N/A.
 Flange width: 0.922mm.
 Liner length: 178.460mm.



1584cc Bellet; Elf; KB20	1817cc Bellet; Florian; Journey	1949cc Trooper
G161Z	G180Z	G200Z OHC

YEARS	NO. OF CYLS	1973-86	4	1/1983-12/83	4	1983-88	4
BORE & STROKE	(MM)	82.000	75.000	84.000	82.000	87.000	82.000
	(IN)	3.2283	2.9527	3.3070	3.2283	3.4251	3.2283
PISTON HEAD TYPE		1 		22 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2586 STD/0.50/1.00/1.50 4MKRY2586 STD/1.00 4MKRY9090⁽¹⁾ STD/0.50/1.00		4KRY2859 STD/020/040 4MKRY2859 STD/020/040		4KRY2743 STD/0.50/1.00/1.50 4MKRY2743 STD/1.00	
CLEARANCE & POSITION (From crown)		0.0400 @ 53.00		0.0250 @ 55.20		0.0300 @ 70.00	
COMP HEIGHT	PIN DIA.	36.55	22.000	36.70	22.000	36.50	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY				3312B			
RING SET Sizes Widths		M1465⁽²⁾ STD 2.000 2.000 4.000 C1465⁽²⁾ 0.50/1.00/1.50 2.000 2.000 4.000 C1606⁽²⁾ STD 1.500 1.500 4.000 PS1465⁽²⁾ STD/0.50/1.00/1.50 1.500 1.500 4.000		M1570⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000 M1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1570⁽³⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1653⁽³⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		M1726 STD/0.50/1.00 1.500 1.500 4.000 C1661 STD/0.50/1.00 2.000 2.000 4.000 PS1661 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1726 STD 1.500 1.500 4.000	

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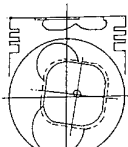
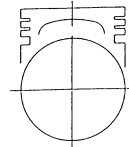
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 9090 is high compression piston, CR=9.2:1.
- (2) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (3) M/PS1570 contains compression rings 2.00, 2.00mm M/PS1653 contains 1.50, 1.50 compression rings and suits some original pistons.



2771cc Trooper; Trucks	1471cc Gemini	1584cc Fargo; Shuttle
4JB1 Diesel Turbo	4XC1	4ZA1

YEARS	NO. OF CYLS	1984-on	4	1985-90	4	1981-on	4
BORE & STROKE	(MM)	93.000	102.000	77.000	79.000	82.000	75.000
	(IN)	3.6614	4.0157	3.0314	3.1102	3.2283	2.9527
PISTON HEAD TYPE		218 		1 			
PISTON ASSEMBLY KIT Sizes		4MKRY2922⁽⁵⁾ STD		4MKRY8053⁽²⁾ STD/0.50/1.00 4KRY8053 STD/0.50/0.75/1.00			
CLEARANCE & POSITION (From crown)		0.0200 @ 74.00		0.0200 @ 43.50			
COMP HEIGHT	PIN DIA.	51.90	34.000	28.20	18.000		
LOCKING DEVICE		CC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		1.200 1.200 2.800			
CYLINDER SLEEVE/ASSEMBLY		FCZ3661	RSA2922^(1, 5)				
RING SET Sizes Widths		N1827⁽⁶⁾ STD 2.000 2.000 4.000		M1801 STD/0.50/1.00 1.200 1.200 2.800 C1679⁽³⁾ STD/0.50/1.00 1.500 2.800 PS1801 STD/0.50/0.75/1.00 1.200 1.200 2.800		M1465⁽⁴⁾ STD 2.000 2.000 4.000 C1606⁽⁴⁾ STD 1.500 1.500 4.000 PS1465⁽⁴⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1606⁽⁴⁾ STD 1.500 1.500 4.000	

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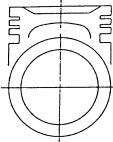
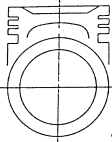
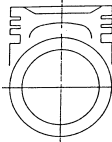
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2922 contains chrome liner.
 Liner outer diameter: 95.040mm.
 Flange diameter: 101.000mm.
 Flange depth: N/A.
 Flange width: 0.920mm.
 Liner length: 181.000mm.
- (2) 8053 piston supersedes 2785 piston.
- (3) C1679 suits 2785 piston which has 1 compression ring and 1 oil ring.
 M1801 suits some original pistons with 2 compression rings and 1 oil ring.
- (4) C/M/PS1465 cannot be used when re-ringing some models, may use C/PS1606 which contains 1.50, 1.50 and 4.0mm rings.
- (5) Contains armoured (Alfin) top ring groove.
- (6) N1827 also suits 4JA1.
 FCZ3661 chrome liner.



1817cc Fargo; Shuttle	1994cc Shuttle	2254cc Rodeo
4ZB1 OHC Petrol	4ZC1	4ZD1

YEARS	NO. OF CYLS	1982-87	4	1982-90	4	1985-88	4
BORE & STROKE	(MM)	84.000	82.000	88.000	82.000	89.300	90.000
	(IN)	3.3070	3.2283	3.4645	3.2283	3.5157	3.5433
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT		4KRY2859 STD/020/040		4MKRY2904 0.50/1.00		4KRY8030 STD/0.50/1.00	
Sizes		4MKRY2859 STD/020/040				4MKRY8030 STD/0.50/1.00	
CLEARANCE & POSITION		0.0250 @ 55.20		0.0300 @ 42.00		0.0300 @ 46.70	
(From crown)							
COMP HEIGHT	PIN DIA.	36.70	22.000	37.00	22.000	33.85	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1570⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000		C1830 STD/0.50/1.00 1.500 1.500 4.000		C1817 STD/0.50/1.00 1.500 1.500 4.000	
Sizes		M1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000				PS1817 STD/0.50/0.75/1.00 1.500 1.500 4.000	
Widths		PS1570⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000					
		PS1653⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000					

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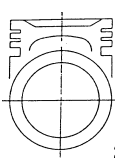
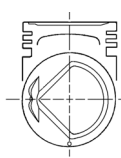
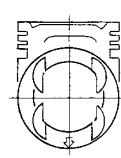
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1570 contains compression rings
2.00, 2.00mm M/PS1653 contains
1.50, 1.50 compression rings and suits
some original pistons.



2559cc Trooper 4ZE1	2559cc Rodeo 4ZE1	3165cc Trooper; Jackaroo; Frontera 6VD1
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YEARS	NO. OF CYLS	1987-92	4	1993-98	4	1992-98	6
BORE & STROKE	(MM)	92.600	95.000	92.600	95.000	93.400	77.000
	(IN)	3.6456	3.7401	3.6456	3.7401	3.677	3.031
PISTON HEAD TYPE		22 		239 		212 	
PISTON ASSEMBLY KIT Sizes		4KRY8031 STD/0.50/1.00 4MKRY8031 STD/0.50/1.00		4MKRY2992 STD/0.50/1.00 4KRY2992 STD/0.50/1.00		6MKRY2994 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 46.90		0.0200 @ 53.60		0.0300 @ 47.00	
COMP HEIGHT	PIN DIA.	36.40	23.000	36.10	23.000	31.75	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1818 STD/0.50/1.00 1.500 1.500 4.000 PS1818 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1818 STD/0.50/1.00 1.500 1.500 4.000 PS1818 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1911 STD/0.50/1.00 1.500 1.500 4.000 C1912 STD 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

3494cc Jackaroo; Amigo		
6VE1		

YEARS	NO. OF CYLS	1998-on	6		
BORE & STROKE	(MM)	93.400	85.000		
	(IN)	3.677	3.346		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT					
Sizes					
CLEARANCE & POSITION					
(From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY					
RING SET		C1912			
Sizes		STD			
Widths		1.500 1.500 3.000			

LEGEND	PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
	RING SET - M (Moly), C (Chrome), PS (Plain)
NOTES	LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)



2483cc MKII 2.4L	3442cc MKVII 3.4L	3442cc MKVII 3.5L
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YEARS	NO. OF CYLS	1949-69	6	1955-69	6	1949-54	6
BORE & STROKE	(MM)	83.000	76.500	83.000	106.000	83.000	106.000
	(IN)	3.2677	3.0118	3.2677	4.1732	3.2677	4.1732
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		PS366 STD/0.50/1.00 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000	

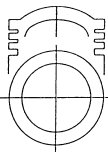
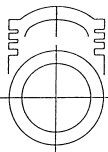
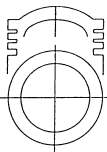
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



258ci Daimler Sovereign; E-Type; Mark X; Series I, II; XJ 4.2; XJS; XJ6; 420G	258ci E-Type; Series I; XJ6	258ci Daimler Sovereign; Series II, III; XJ6
4.2L	4.2L	4.2L

YEARS	NO. OF CYLS	1965-72	6	1968-73	6	1973-86	6
BORE & STROKE	(MM)	92.075	105.999	92.075	105.999	92.075	105.999
	(IN)	3.6250	4.1732	3.6250	4.1732	3.6250	4.1732
PISTON HEAD TYPE		15 		15 		15 	
PISTON ASSEMBLY KIT		6MKRY2956⁽²⁾ STD/020/030		6MKRY2956⁽²⁾ STD/020/030		6MKRY2956⁽²⁾ STD/020/030	
Sizes		6KRY2956 STD/020/030		6KRY2956 STD/020/030		6KRY2956 STD/020/030	
CLEARANCE & POSITION		0.025 @ 60.3		0.025 @ 60.3		.0250 @ 60.30	
(From crown)							
COMP HEIGHT	PIN DIA.	41.40	22.230	41.40	22.230	41.50	22.230
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		.075 .078 .187		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		FSZ3625		FSZ3625		FSZ3625	
RING SET		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187		M1357⁽¹⁾ STD/020/030/040/060 .078 .078 .187	
Sizes		M1728⁽¹⁾ STD/020 .078 .078 .187		M1728⁽¹⁾ STD/020 .078 .078 .187		M1728⁽¹⁾ STD/020 .078 .078 .187	
Widths		PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187		PS1357⁽¹⁾ STD/020/030/040/060/080 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1357 has deep oil ring for ACL and some other aftermarket pistons. M1728 has shallow oil ring for original pistons.
- (2) 2956 piston gives 7.8:1 compression ratio. 2956 supersedes 2765 piston.



2500cc Cherokee	3960cc Cherokee	
2.5L	4.0L	

YEARS	NO. OF CYLS	1983-on	4	1994-on	6	
BORE & STROKE	(MM)	98.430	81.09	98.430	87.00	
	(IN)	3.8750	3.190	3.8750	3.425	
PISTON HEAD TYPE						
PISTON ASSEMBLY KIT Sizes						
CLEARANCE & POSITION (From crown)						
COMP HEIGHT PIN DIA.						
LOCKING DEVICE						
RING GROOVE WIDTHS						
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		M1890 STD 1.500 1.500 3.000 PS1872 STD 2.000 2.000 4.750		M1908 STD 1.500 1.500 4.000		

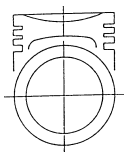
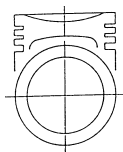
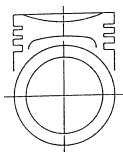
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1746cc Marina	1798cc Morris; Sherpa	1798cc Sherpa
Morris 1746	'B' series	'B' series

YEARS	NO. OF CYLS	1972-74	4	1964-78	4	1971-74	4
BORE & STROKE	(MM)	76.200	95.760	80.251	88.900	80.251	88.900
	(IN)	3.0000	3.7701	3.1595	3.5000	3.1595	3.5000
PISTON HEAD TYPE		6 		6 		6 	
PISTON ASSEMBLY KIT Sizes		4MKRY2768 STD/020/040/060		4MKRY2711 STD/020/040/060		4MKRY2694 STD/020/030/040	
CLEARANCE & POSITION (From crown)		.0015 @ .82		.0015 @ 1.15		.0015 @ 1.15	
COMP HEIGHT	PIN DIA.	1.407	.813	1.64	.813	1.63	.813
LOCKING DEVICE		AC		SC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.062 .062 .156		.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B					
RING SET Sizes Widths		M1358 STD/020 .062 .062 .156 PS1358 STD .062 .062 .156		M1432 STD/040 .062 .062 .156 PS1432 STD/020 .062 .062 .156		M1432 STD/040 .062 .062 .156 PS1432 STD/020 .062 .062 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

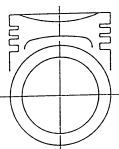

2623cc

Marina

4416cc

P76; Truck Terrier

Morris 2623
4.4L V8

YEARS	NO. OF CYLS	1972-74	6	1973-80	8
BORE & STROKE	(MM)	76.174	95.760	88.900	88.900
	(IN)	2.9990	3.7701	3.5000	3.5000
PISTON HEAD TYPE		6 			
PISTON ASSEMBLY KIT Sizes		4MKRY2768 STD/020/040/060			
CLEARANCE & POSITION (From crown)		.0015 @ .82		.0025 @ 1.06	
COMP HEIGHT	PIN DIA.	1.407	.813	1.87	.875
LOCKING DEVICE		AC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B		3500A 3500B	
RING SET Sizes Widths		M1359 STD/020 .062 .062 .156		M1479 STD/040 .078 .078 .187 PS1479 STD/020 .078 .078 .187	

LEGEND

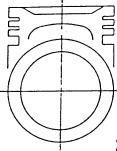
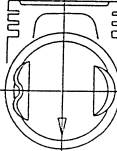
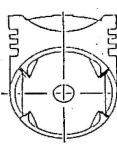
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1739 suits pistons with shallow oil ring groove.



2555cc B2600; T2600	1323cc 121 Hatch	1323cc 121
Mitsubishi G54B Low Comp	B3 1.3L 8 Valve	B3 1.3L 16 Valve

YEARS	NO. OF CYLS	1978-85	4	1987-90	4	1991-on	4
BORE & STROKE	(MM)	91.100	98.000	71.000	83.600	71.000	83.600
	(IN)	3.5866	3.8582	2.7952	3.2913	2.7952	3.2913
PISTON HEAD TYPE		22 		64 		236 	
PISTON ASSEMBLY KIT Sizes		4KRY8017 STD/0.50/0.75/1.00/1.50 4MKRY8017 STD		4MKRY2890 STD/0.50/1.00		4MKRY2984 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 65.00		0.0200 @ 48.00		0.0200 @ 44.70	
COMP HEIGHT	PIN DIA.	35.00	22.000	28.40	20.000	28.90	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1588 STD/0.50/0.75/1.00 2.000 2.000 4.000 M1684 STD/0.50/1.00 1.500 1.500 4.000 C1684 STD/0.50/1.00 1.500 1.500 4.000 PS1588 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1797 STD/0.50/1.00 1.200 1.500 3.000		C1797 STD/0.50/1.00 1.200 1.500 3.000	

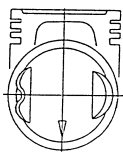
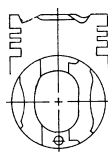
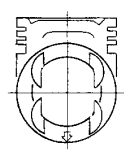
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1597cc 323	1597cc 323	1597cc MX-5; 323
B6 SOHC 8 Valve	B6 SOHC 16 Valve	B6 DOHC 16 Valve

YEARS	NO. OF CYLS	1985-90	4	1989-96	4	1989-98	4
BORE & STROKE	(MM)	78.000	83.600	78.000	83.600	78.000	83.600
	(IN)	3.0708	3.2913	3.0708	3.2913	3.0708	3.2913
PISTON HEAD TYPE		64 		202 		212 	
PISTON ASSEMBLY KIT		Bowl Volume 9.1cc 4KRY8041⁽¹⁾ STD/0.50/0.75/1.00 4MKRY8041⁽¹⁾ STD/0.50/1.00		Bowl Volume 11.1cc 4MKRY8042⁽²⁾ STD/0.50/0.75/1.00 4KRY8042 STD/0.50/0.75/1.00		Bowl Volume 10.5cc 4KRY8044 STD/0.50/0.75/1.00 4MKRY8044 STD/0.50/1.00 4MKRY8043⁽⁴⁾ STD/0.50/0.75/1.00 Bowl Volume 7.8cc	
CLEARANCE & POSITION		0.0200 @ 46.70		0.0200 @ 47.30		0.0200 @ 47.30	
COMP HEIGHT	PIN DIA.	31.40	20.000	32.00	20.000	32.00	20.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B				3062B	
RING SET		M1729⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1729⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1821⁽¹⁾ STD/0.50/1.00 1.500 1.500 3.000		M1821 STD/0.50/1.00 1.500 1.500 3.000 C1821 STD/0.50/1.00 1.500 1.500 3.000 PS1821 STD/0.50/1.00 1.500 1.500 3.000		M1729⁽³⁾ STD/0.50/1.00 1.500 1.500 4.000 M1821⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000 C1821⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1821⁽³⁾ STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 4KRY/4MKRY8041 supersedes 4KRY/4MKRY2842 upon consumption of all 2842 pistons.

New 8041 piston uses M/PS1821 ring set with 1.5, 1.5, 3.0mm rings.

Old 2842 piston uses M/PS1729 ring set with 1.5, 1.5, 4.0mm rings.

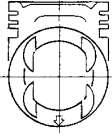
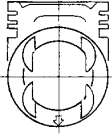
(2) 4KRY/4MKRY8042 supersedes 4KRY/4MKRY2902 upon consumption of all 2902 pistons.

(3) M/PS1729 ring set suits some original models with 1.5, 1.5, 4.0mm rings.
M/PS1821 ring sets suit 8044 piston.

(4) 8043 piston same as 8044 except for smaller bowl.



1597cc 323	1840cc 323 Astina SP	1840cc MX-5; 323 Astina SP
B6 DOHC Turbo 16 Valve	BP SOHC	BP DOHC 16 Valve

YEARS	NO. OF CYLS	1989-92	4	1989-96	4	1989-on	4
BORE & STROKE	(MM)	78.000	83.600	83.000	85.000	83.000	85.000
	(IN)	3.0708	3.2913	3.2677	3.3464	3.2677	3.3464
PISTON HEAD TYPE				212 		213 	
PISTON ASSEMBLY KIT Sizes				Bowl Volume 6cc 4KRY8046 STD/0.50/0.75/1.00 4MKRY8046 STD/0.50/1.00		Bowl Volume 2.6cc 4KRY8047 STD/0.50/0.75/1.00 4MKRY8047 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				0.0200 @ 46.20		0.0200 @ 46.20	
COMP HEIGHT	PIN DIA.			30.20	20.000	30.20	20.000
LOCKING DEVICE				AC		CC	
RING GROOVE WIDTHS				1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		3062B					
RING SET Sizes Widths		M1729 STD/0.50/1.00 1.500 1.500 4.000 PS1729 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1850 STD/0.50/1.00 1.500 1.500 3.000 PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000		C1850 STD/0.50/1.00 1.500 1.500 3.000 PS1850 STD/0.50/0.75/1.00 1.500 1.500 3.000	

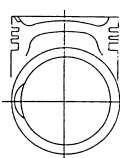
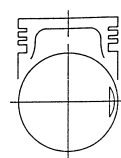
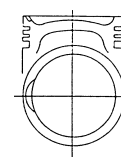
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1490cc 1400; 323	1296cc 323	1490cc 323
D5 SOHC Chain Drive	E3	E5 OHC Single Carburettor

YEARS	NO. OF CYLS	1981-86	4	1981-85	4	1981-85	4
BORE & STROKE	(MM)	77.000	80.000	77.000	69.600	77.000	80.000
	(IN)	3.0314	3.1496	3.0314	2.7401	3.0314	3.1496
PISTON HEAD TYPE		133 		44 		133 	
PISTON ASSEMBLY KIT		Bowl Volume 7.2cc 4KRY8049⁽¹⁾ STD/0.50/0.75/1.00 4MKRY8049 STD/0.50/1.00		4KRY8048^(3, 5) STD/0.50/0.75/1.00/1.50 4MKRY8048⁽³⁾ STD/0.50/0.75/1.00		Bowl Volume 7.2cc 4KRY8049^(1, 5) STD/0.50/0.75/1.00/1.50 4MKRY8049⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION		0.0200 @ 43.90		0.0200 @ 43.90		0.0200 @ 43.90	
COMP HEIGHT	PIN DIA.	28.60	20.000	28.60	20.000	28.60	20.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.200 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000 M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000 PS1656^(2, 4) STD/0.50/0.75/1.00/1.50 1.200 1.500 4.000 PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000 M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000 PS1656^(2, 4) STD/0.50/0.75/1.00/1.50 1.200 1.500 4.000 PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000		M1656^(2, 4) STD/0.50/1.00 1.200 1.500 4.000 M1657^(2, 4) STD/0.50/1.00 1.500 2.000 4.000 PS1656^(2, 4) STD/0.50/0.75/1.00/1.50 1.200 1.500 4.000 PS1657^(2, 4) STD/0.50/0.75/1.00 1.500 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

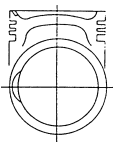
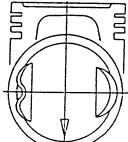
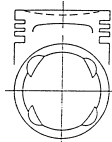
NOTES

- (1) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 pistons. 8049 suits single carb. 4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.
- (2) M/PS1656 consists of 1.25, 1.50 & 4.00 wide rings, which suits some original models. 4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 and M1657 use 1.50, 2.00 & 4.00 wide rings.

- (3) 4KRY/4MKRY8048 supersedes 4KRY/4MKRY2740 upon consumption of all 2740 pistons.
- (4) C1600 is an alternative ring set not listed and has a 1.5, 1.5, 4.00mm ring pack.
- (5) 8048 piston has been decompressed. OE piston has small step on crown.



1490cc 323	2184cc B2200	2184cc 2200; 626; 929
E5 OHC Twin Carburettor	F2 SOHC 8 Valve	F2 SOHC 12 Valve EFI

YEARS	NO. OF CYLS	1981-85	4	1987-92	4	1987-92	4
BORE & STROKE	(MM)	77.000	80.000	86.000	94.000	86.000	94.000
	(IN)	3.0314	3.1496	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE		133 		64 		148 	
PISTON ASSEMBLY KIT		Bowl Volume 2.4cc 4KRY8050^(1, 3) STD/0.50/0.75/1.00/1.50 4MKRY8050⁽¹⁾ STD/0.50/1.00		Bowl Volume 17.8cc 4KRY8021 STD/0.50/0.75/1.00 4MKRY8021 STD/0.50/1.00		Bowl Volume 2.3cc 4KRY8020 STD/0.50/0.75/1.00 4MKRY8020 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0200 @ 43.90		0.0300 @ 46.00		0.0300 @ 46.50	
(From crown)							
COMP HEIGHT	PIN DIA.	28.60	20.000	35.90	22.000	36.40	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.200 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1656⁽²⁾ STD/0.50/1.00 1.200 1.500 4.000 M1657⁽²⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1656⁽²⁾ STD/0.50/0.75/1.00/1.50 1.200 1.500 4.000 PS1657⁽²⁾ STD/0.50/0.75/1.00 1.500 2.000 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000 PS1825⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1825 STD/0.50/1.00 1.500 1.500 4.000 PS1825⁽⁴⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 4KRY/4MKRY8049 supersedes 4KRY/4MKRY2738 upon consumption of all 2738 piston. 8049 suits single carb.

4KRY/4MKRY8050 supersedes 4KRY/4MKRY2739 upon consumption of all 2739 pistons. 8050 suits twin carb.

(2) M/PS1656 consists of 1.25, 1.50 & 4.00 wide rings, which suits some original models.
 4KRY/MKRY8048, 8049, 8050 pistons use M/PS1656 ring set. Piston 2738, 2739 & M1657 use 1.50, 2.00 and 4.00 wide rings.

(3) 8050 piston has been decompressed. Original piston is a flat top. If a flat top is desired 8048 piston can be used.

(4) Do not use PS1825 ring set in turbo engine.



2184cc
MX-6; 2200; 626

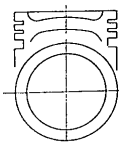
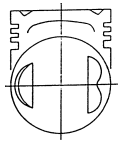
1587cc
Luce; 626

1789cc
Bongo; E1800; Luce;
Traveller; 1800; 2000

F2 2.2L 12 Valve Turbo EFI

F6

F8 SOHC Belt Drive

YEARS	NO. OF CYLS	1987-91	4	1982-87	4	1983-96	4	
BORE & STROKE	(MM)	86.000	94.000	81.000	77.000	86.000	77.000	
	(IN)	3.3858	3.7007	3.1889	3.0314	3.3858	3.0314	
PISTON HEAD TYPE		148 			175 			
PISTON ASSEMBLY KIT Sizes		4MKRY2963 0.50/1.00			4KRY2824 STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.0300 @ 50.00			0.0300 @ 45.7			
COMP HEIGHT	PIN DIA.	36.50	22.000			33.60	22.000	
LOCKING DEVICE		AC			AC			
RING GROOVE WIDTHS		1.500 1.500 4.000			1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY								
RING SET Sizes Widths		C1825⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000			M1719 STD/0.50/1.00 1.500 1.500 4.000 PS1719 STD/0.50/1.00 1.500 1.500 4.000			M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000

LEGEND

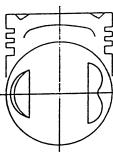
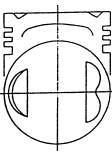
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Do not use PS1825 ring set in turbo engine.



1789cc Capella; E1800; 1800	1998cc E2000; Luce; Traveller; 1800; 2000; 626	1998cc Bongo; E2000; 2000; 626; 929
F8 SOHC Belt Drive	FE SOHC Belt Drive	FE SOHC EFI

YEARS	NO. OF CYLS	1988-96	4	1982-87	4	1987-96	4
BORE & STROKE	(MM)	86.000	77.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.0314	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		175 		64 		175 	
PISTON ASSEMBLY KIT		4KRY2824 STD/0.50/1.00		4KRY2737 STD/0.50/0.75/1.00/1.50 4MKRY2737 STD/0.50/1.00/1.50		4KRY2824⁽¹⁾ STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0300 @ 45.70		0.03 @ 45.7		0.0300 @ 45.70	
(From crown)							
COMP HEIGHT	PIN DIA.	33.60	22.000	33.60	22.000	33.60	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1660 STD/0.50/1.00/1.50 1.500 1.500 4.000	
Sizes							
Widths							
		PS1660 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		PS1660 STD/0.50/0.75/1.00 1.500 1.500 4.000		PS1660 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) The OE piston for FE EFI engine has a piston with a small step.
The 2824 piston has been decompressed for this application.



		1998cc	1998cc	1998cc
		626	Capella	626
		FE-T Turbo SOHC	FE-E DOHC	FE-T DOHC
YEARS	NO. OF CYLS	1985-87	1987-92	1987-92
BORE & STROKE	(MM)	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3858
PISTON HEAD TYPE				
PISTON ASSEMBLY KIT Sizes				
CLEARANCE & POSITION (From crown)				
COMP HEIGHT	PIN DIA.			
LOCKING DEVICE				
RING GROOVE WIDTHS				
CYLINDER SLEEVE/ASSEMBLY				
RING SET		M1660	M1660	M1660
Sizes		STD/0.50/1.00/1.50	STD/0.50/1.00/1.50	STD/0.50/1.00/1.50
Widths		1.500 1.500 4.000	1.500 1.500 4.000	1.500 1.500 4.000

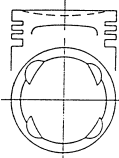
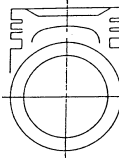
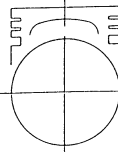
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1991cc 626	2606cc B2600	2977cc Bus Parkway; Commercial E series; E3000
FS DOHC 16 Valve EFI	G6 SOHC 12 Valve	HA OHC

YEARS	NO. OF CYLS	1993-96	4	1990-on	4	1977-89	4
BORE & STROKE	(MM)	83.000	92.000	92.000	98.000	95.000	105.000
	(IN)	3.2677	3.6220	3.6220	3.8582	3.7411	4.1338
PISTON HEAD TYPE		148 		22  Bowl Volume 23.7cc		1 	
PISTON ASSEMBLY KIT		4MKRY2943		4MKRY8064		4MKRY2849	
Sizes		0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0250 @ 50.00		0.03 @ 67.5		0.1400 @ 80.50	
COMP HEIGHT	PIN DIA.	29.60	19.000	35.8	23.000	58.50	31.750
LOCKING DEVICE		AC		AC		SC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.50 1.50 4.00		2.380 2.380 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSY3740^(1, 2)	RSA2849^(1, 2)
RING SET		C1857		C1824		M1737	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.200 1.500 3.000		1.500 1.500 4.000		2.380 2.380 4.750	

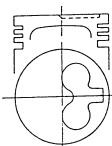
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2849 contain FSY3740R sleeve.
Liner outer diameter: 98.500mm.
Flange diameter: 103.500mm.
Flange depth: 0.800mm.
Flange width: 3.800mm.
Liner length: 191.100mm.
- (2) RSA2849 & RSA2849-SF contain semi-finished sleeve with:
Liner outer diameter: 98.500mm.
Flange diameter: 103.500mm.
Flange depth: 0.800mm.
Flange width: 3.800mm.
Liner length: 191.100mm.



		2977cc		2954cc		2954cc	
		T3000		929; MPV		929	
		HA OHC		JE SOHC V6 18 Valve EFI		JE DOHC V6	
YEARS	NO. OF CYLS	1980-89	4	1987-99	6	1990-97	6
BORE & STROKE	(MM)	95.000	105.000	90.000	77.400	90.000	77.400
	(IN)	3.7401	4.1338	3.5433	3.0472	3.5433	3.0472
PISTON HEAD TYPE		10 		195 			
PISTON ASSEMBLY KIT		4MKRY2872 ⁽³⁾ STD		6MKRY7001 ⁽²⁾ STD/0.50			
CLEARANCE & POSITION				0.03 @ 64.00			
(From crown)							
COMP HEIGHT	PIN DIA.	53.50	30.000	35.5	23.00		
LOCKING DEVICE		SC		AC			
RING GROOVE WIDTHS		2.380 2.380 4.750		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		FSY3740 ⁽¹⁾ RSA2872 ^(1, 3)					
RING SET		M1737 STD/0.50/1.00 2.380 2.380 4.750		C1831 STD/0.50 1.500 1.500 4.000		C1831 STD 1.500 1.500 4.000	
Sizes							
Widths							

LEGEND

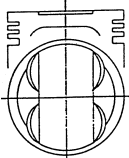
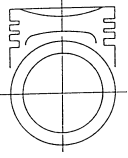
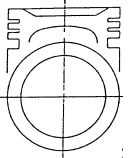
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2872 contains FSY3740R sleeve.
 Liner outer diameter: 98.500mm.
 Flange diameter: 103.500mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 191.100mm.
- (2) New item. Check for availability.
- (3) Contains armoured (Alfin) top ring groove.



2496cc Eunos; MX-6; 626; 929; MP1	1970cc 121 Hatch; 2000; 626; 929	1970cc 1600; 1800; 2000; 626; 929
KL V6 DOHC	MA OHC Circlip	MA OHC Press Fit

YEARS	NO. OF CYLS	1992-on	6	1973-78	4	1978-83	4
BORE & STROKE	(MM)	84.500	74.200	80.000	98.000	80.000	98.000
	(IN)	3.3267	2.9212	3.1496	3.8582	3.1496	3.8582
PISTON HEAD TYPE		194		6		22	
PISTON ASSEMBLY KIT		6MKRY2961		4KRY2626⁽¹⁾		4KRY2937^(1,3)	
Sizes		STD/0.50/1.00		STD/0.50/1.00/1.50		STD/0.50/1.00/1.50	
						4MKRY2937^(1,3)	
						STD/0.50/1.00	
CLEARANCE & POSITION		0.02 @ 41.00		0.0400 @ 22.00		0.04 @ 58.10	
(From crown)							
COMP HEIGHT	PIN DIA.	29.15	20.000	35.48	22.000	35.70	20.000
LOCKING DEVICE		AC		SC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		2.000 2.000 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1868		M1599⁽²⁾		M1599⁽²⁾	
Sizes		STD/0.50/1.00		STD		STD	
Widths		1.500 1.500 3.000		1.200 1.500 4.000		1.200 1.500 4.000	
				M1655⁽²⁾		M1655⁽²⁾	
				STD/0.50/1.00		STD/0.50/1.00	
				1.500 2.000 4.000		1.500 2.000 4.000	
				M1707⁽²⁾		C1599⁽²⁾	
				STD/0.50/1.00		STD/0.50/1.00	
				1.500 1.500 4.000		1.200 1.500 4.000	
				C1599⁽²⁾		PS1599⁽²⁾	
				STD/0.50/1.00		STD/0.50/1.00/1.50	
				1.200 1.500 4.000		1.200 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models.
2626 piston is 22mm pin/circlip application and suits 1973-1978 models.
- (2) Alternative ring sets but not listed above in catalogue:
C/PS1476 containing 2.0, 2.0, 4.00mm rings.
- (3) Piston 2937 supersedes both 2698 and 2736.

**1586cc**

Capella; Commercial
B series; E1600; 1500;
1600; 1800; 616; 808

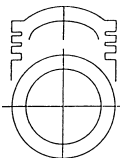
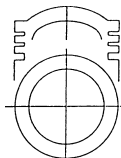
NA OHC**1586cc**

Capella; 1600

NA OHC**987cc**

Bongo; Familia

PB OHV

YEARS	NO. OF CYLS	1971-78	4	1978-82	4	1967-69	4
BORE & STROKE	(MM)	78.000	83.000	78.000	83.000	68.000	68.000
	(IN)	3.0708	3.2677	3.0708	3.2677	2.6771	2.6771
PISTON HEAD TYPE		15 		15 			
PISTON ASSEMBLY KIT Sizes		4KRY2647 0.50/1.00/1.50		4KRY2706 STD/0.50/1.00/1.50			
CLEARANCE & POSITION (From crown)		0.0500 @ 24.00		0.0500 @ 24.50			
COMP HEIGHT	PIN DIA.	38.07	22.000	38.45	20.000		
LOCKING DEVICE		SC		AC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000 M1790 STD 1.500 2.000 4.000 PS1604 STD/0.50/1.00/1.50 1.200 1.500 4.000		C1333 STD 2.000 2.000 4.000 PS1333 STD 2.000 2.000 4.000	

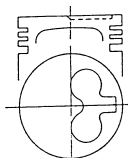
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



985cc Familia; Presto PC	1998cc Commercial E series; E2200 2000; 2200; 626 R2 Diesel	2184cc Commercial E series; E2200 2000; 2200; 626 RF Diesel
--	--	--

YEARS	NO. OF CYLS	1970-78	4	1984-96	4	1984-96	4
BORE & STROKE	(MM)	70.000	64.000	86.000	94.000	86.000	94.000
	(IN)	2.7559	2.5196	3.3858	3.7007	3.3858	3.7007
PISTON HEAD TYPE				10 			
PISTON ASSEMBLY KIT Sizes				4MKRY2848⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)				0.05 @ 56.30			
COMP HEIGHT	PIN DIA.			47.300	25.000	47.300	25.000
LOCKING DEVICE				SC			
RING GROOVE WIDTHS				2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY				FSZ3386-SF⁽¹⁾ RSA2848-SF^(1,2)			
RING SET Sizes Widths		C1352 STD 2.000 2.000 4.000			M1733 STD/0.50/1.00 2.000 2.000 4.000		
						M1733 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

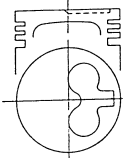
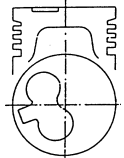
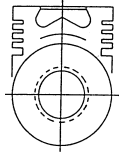
NOTES

- (1) RSA2848-SF contains PSZ3386-SF.
 PSZ3386-SF is a plain semi-finished liner.
 Liner outer diameter: 90.00mm.
 Liner length: 180.00mm.
- (2) 2848 pistons suit to 1992.
 1990 on uses short skirt version piston 4MKRY2983
 which is a new item. Check for availability.

**2184cc**B2200 Bravo
E2200 Courier**R2 Late****2209cc**Bongo; Commercial B series
E series; E2200; Luce;
2200**S2 Diesel****3455cc**

T3500

SL Diesel

YEARS	NO. OF CYLS	1992-96	4	1981-84	4	1984-89	4
BORE & STROKE	(MM)	86.000	94.000	88.900	89.000	100.000	110.000
	(IN)	3.3858	3.7007	3.5000	3.5039	3.9370	4.3307
PISTON HEAD TYPE		10 		95 		158 	
PISTON ASSEMBLY KIT		4MKRY2983⁽⁴⁾		4MKRY2741			
Sizes		STD		STD/0.50/1.00			
CLEARANCE & POSITION		0.0300 @ 76.20		0.0800 @ 75.00			
(From crown)							
COMP HEIGHT	PIN DIA.	47.200	26.000	50.75	28.000	58.00	34.000
LOCKING DEVICE		CC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 3.000		2.380 2.380 4.750		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSZ3386-SF		FSZ3500^(1, 2) RSA2741^(1, 2)		FSX3937⁽³⁾ RSA2873⁽³⁾	
RING SET		M1909⁽⁴⁾		C1658		C1773	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD	
Widths		2.000 2.000 3.000		2.380 2.380 4.750		2.500 2.000 4.500	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) RSA2741 contains FSZ3500 sleeve.
 Liner outer diameter: 96.920mm.
 Flange diameter: 100.940mm.
 Flange depth: 0.630mm.
 Flange width: 3.775mm.
 Liner length: 166.900mm.

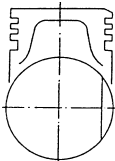
(2) RSA2741-SF contains FSZ3500-SF semi-finished sleeve.
 Liner outer diameter: 96.840mm.
 Flange diameter: 101.000mm.
 Flange depth: 0.800mm.
 Flange width: 3.800mm.
 Liner length: 167.100mm.

(3) RSA2873 & FSX3937 contain 'B' grade liner with:
 Liner outer diameter: 103.485mm.
 Flange diameter: 108.000mm.
 Flange depth: 1.000mm.
 Flange width: 2.500mm.
 Liner length: 193.700mm.

(4) New items. Check for availability.



1169cc Bongo; 1200 TB OHV	1272cc Familia; 1300; 323; 808 TC OHC	1484cc Bus Craft; Duc9 UA
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YEARS	NO. OF CYLS	1968-74	4	1970-80	4	1971-77	4
BORE & STROKE	(MM)	70.000	76.000	73.000	76.000	75.000	84.000
	(IN)	2.7559	2.9921	2.8740	2.9921	2.9527	3.3070
PISTON HEAD TYPE				37 			
PISTON ASSEMBLY KIT Sizes				4KRY2595 ⁽¹⁾ STD/0.50/1.00/1.50 4MKRY2595 ⁽¹⁾ 0.50/1.50			
CLEARANCE & POSITION (From crown)				0.0400 @ 23.80			
COMP HEIGHT	PIN DIA.			36.52	20.000		
LOCKING DEVICE				CC			
RING GROOVE WIDTHS				2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1352 STD 2.000 2.000 4.000	C1112 ⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000 C1589 ⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1112 ⁽¹⁾ STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1589 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		PS1414 STD 2.500 2.500 4.000		

LEGEND

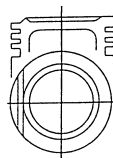
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ 2595, C1112, suits to chassis number
 FA4TS718569, March 78. Piston 2708, C1589
 fits E1300 models 1978-80.
 C1589 contents 8-1.5mm, 4-4.0mm.
 Also 2708 is a press fit piston.



1490cc Luce; 1500	1415cc Commercial E series; 1400; 323	1796cc E2000; 1600; 1800; 929
UB OHC	UC SOHC Chain Drive	VB OHC

YEARS	NO. OF CYLS	1970-74	4	1978-81	4	1969-78	4
BORE & STROKE	(MM)	78.000	78.000	77.000	76.000	78.000	94.000
	(IN)	3.0708	3.0708	3.0314	2.9921	3.0708	3.7007
PISTON HEAD TYPE				58 			
PISTON ASSEMBLY KIT Sizes				4KRY2699 0.50/1.00/1.50 4MKRY2699 0.50			
CLEARANCE & POSITION (From crown)				0.0400 @ 22.00			
COMP HEIGHT	PIN DIA.			30.58	20.000		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1249 STD/040 2.000 2.000 4.000	C1600 STD/0.50/1.00 1.500 1.500 4.000 PS1600 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1604 STD/0.50/0.75/1.00 1.200 1.500 4.000 M1790 STD 1.500 2.000 4.000 C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.200 1.500 4.000		

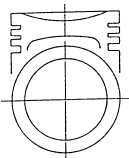
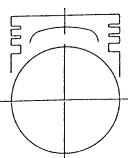
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1769cc 121 Hatch; 1400; 1600; 1800; 929 VC OHC	2500cc Bravo WL 2.5L Diesel	4052cc Boxer ; Commercial E series; Titan; 4100 ZB Diesel
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YEARS	NO. OF CYLS	1973-78	4	1996-on	4	1972-80	6
BORE & STROKE	(MM)	80.000	88.000	93.000		92.000	101.600
	(IN)	3.1496	3.4645	3.6614		3.6220	4.0000
PISTON HEAD TYPE		6		149		1	
PISTON ASSEMBLY KIT		4KRY2626⁽¹⁾		4MKRY2988		6MKRY2814	
Sizes		STD/0.50/1.00/1.50		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0400 @ 22.00		0.0400 @		0.10 @ 102.00	
(From crown)							
COMP HEIGHT	PIN DIA.	35.58	22.000	47.800	22.000	60.20	31.750
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.000 3.000		2.380 2.380 2.380 4.750 4.750	
CYLINDER SLEEVE/ASSEMBLY						FSZ3622^(3, 4)	RSA2814^(3, 4)
RING SET		C1476⁽²⁾		C1905		C1609⁽⁵⁾	
Sizes		STD/0.50/0.75/1.00/1.50		STD/0.50/1.00		STD/0.50/1.00	
Widths		2.000 2.000 4.000		2.500 2.000 3.000		2.380 2.380 2.380 4.750 4.750	
		PS1476⁽²⁾					
		STD/0.50/1.00/1.50					
		2.000 2.000 4.000					

LEGEND

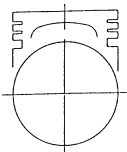
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- 2937 piston is 20mm pin/pressfit application and suits 1979-1984 models. 2626 piston is 22mm pin/circlip application and suits 1973-1978 models.
- Alternative ring sets but not listed in catalogue above:
C/PS1599 contains 1.2, 1.5, 4.0mm; M1707 contains 1.5, 1.5, 4.0mm; M1655 contains 1.5, 2.0, 4.0mm rings.
- RSA2814 & 2874 contain FSZ3622 sleeve.
Liner outer diameter: 96.888mm.
Flange diameter: 100.715mm.
- Flange depth: 0.740mm.
Flange width: 3.825mm.
Liner length: 190.800mm
- RSA2814-SF contains FSZ3622-SF semi-finished sleeve.
Liner outer diameter: 96.888mm.
Flange diameter: 100.715mm.
Flange depth: 0.740mm.
Flange width: 3.825mm.
Liner length: 190.800mm.
- C1609 is a 2 cylinder set.



4052cc Commercial T Series	1498cc 121	
ZB Diesel	B5 SOHC	

YEARS	NO. OF CYLS	1980-87	6	1994-on	4	
BORE & STROKE	(MM)	92.000	101.600	78.000	78.200	
	(IN)	3.6220	4.0000	3.0710	3.0787	
PISTON HEAD TYPE		1				
						
PISTON ASSEMBLY KIT Sizes		6MKRY2874 STD				
CLEARANCE & POSITION (From crown)		0.0300 @ 93.00				
COMP HEIGHT	PIN DIA.	60.30	31.750			
LOCKING DEVICE		SC				
RING GROOVE WIDTHS		2.380 2.380 4.760				
CYLINDER SLEEVE/ASSEMBLY		FSZ3622⁽¹⁾	RSA2874⁽¹⁾			
RING SET Sizes Widths		C1774 STD 2.400 2.400 4.800		C1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 PS1362 STD/0.50/1.00/1.50 1.500 1.500 4.000 M1821 STD/0.50/1.00 1.500 1.500 3.000 PS1821 STD/0.50/1.00 1.500 1.500 3.000		

LEGEND

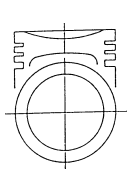
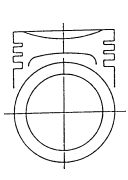
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2874-SF contains FSZ3622-SF semi-finished sleeve & RSA2874 contains FSZ3622.
 Liner outer diameter: 96.888mm.
 Flange diameter: 100.715mm.
 Flange depth: 0.740mm.
 Flange width: 3.825mm.
 Liner length: 190.800mm.



948cc Midget Leyland 'A' series	1098cc 1100 Leyland 'A' series	1098cc Midget Leyland 'A' series
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YEARS	NO. OF CYLS	1961-63	4	1969-81	4	1964-68	4
BORE & STROKE	(MM)	62.940	76.200	64.592	83.738	64.592	83.738
	(IN)	2.4779	3.0000	2.5429	3.2967	2.5429	3.2967
PISTON HEAD TYPE				6 		6 	
PISTON ASSEMBLY KIT Sizes				4MKRY2717⁽²⁾ 040/060		4KRY2714 STD/020/040/060	
CLEARANCE & POSITION (From crown)				.0010 @ .78		.0010 @ .81	
COMP HEIGHT	PIN DIA.			1.17	.625	1.17	.625
LOCKING DEVICE				CC		CC	
RING GROOVE WIDTHS				.062 .078 .156		.062 .062 .062 .125	
CYLINDER SLEEVE/ASSEMBLY				2543B		2543B	
RING SET Sizes Widths		C1217 030/040 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125		M1259⁽²⁾ STD/020/040 .062 .078 .156		M1145 STD/020/040 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125 M1259⁽²⁾ STD/020/040 .062 .078 .156	

LEGEND

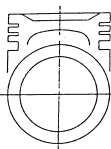
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C981 original piston only.
 (2) 2717 piston is 3 ring piston and uses M1259 ring set.



1275cc 1300 Leyland 'A' series	1489cc Magnette; MGA 1500; ZA; ZB Leyland 'B' series	1798cc MGB Leyland 'B' series
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YEARS	NO. OF CYLS	1967-73	4	1954-65	4	1962-64	4
BORE & STROKE	(MM)	70.640	81.330	73.025	88.900	80.251	88.900
	(IN)	2.7811	3.2019	2.8750	3.5000	3.1594	3.5000
PISTON HEAD TYPE		22 					
PISTON ASSEMBLY KIT Sizes		4MKRY2272 STD/020/040/060					
CLEARANCE & POSITION (From crown)		.0015 @ 1.00					
COMP HEIGHT	PIN DIA.	1.47	.813				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.062 .062 .062 .156					
CYLINDER SLEEVE/ASSEMBLY				2875A 2875B		3150B	
RING SET Sizes Widths		C1251 STD/020/040/060 .062 .062 .062 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		C1361 STD .078 .078 .156		M3088 STD/040 .062 .062 .062 .156 PS3088 020 .062 .062 .062 .156	

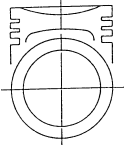
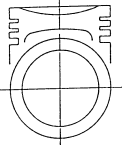
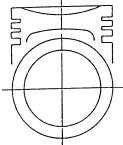
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1798cc MGB Leyland 'B' series	1798cc MGB Leyland 'B' series	1798cc MGB Leyland 'B' series
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YEARS	NO. OF CYLS	1963-72	4	1971-74	4	1971-76	4
BORE & STROKE	(MM) (IN)	80.260 3.1598	88.900 3.5000	80.251 3.1595	88.900 3.5000	80.266 3.1600	88.900 3.5000
PISTON HEAD TYPE		6 		6 		6 	
PISTON ASSEMBLY KIT Sizes		4MKRY2711⁽¹⁾ 020/040/060		4MKRY2694⁽¹⁾ 020/030/040		4MKRY2709⁽¹⁾ 040	
CLEARANCE & POSITION (From crown)		.0015 @ 1.15		.0015 @ 1.15		.0015 @ .91	
COMP HEIGHT	PIN DIA.	1.64	.813	1.63	.813	1.65	.813
LOCKING DEVICE		SC		AC		AC	
RING GROOVE WIDTHS		.062 .062 .156		.062 .062 .156		.062 .062 .156	
CYLINDER SLEEVE/ASSEMBLY		3150B					
RING SET Sizes Widths		M1432 040 .062 .062 .156 PS1432 STD/020 .062 .062 .156		M1432 040 .062 .062 .156 PS1432 STD/020 .062 .062 .156		M1432 040 .062 .062 .156 PS1432 STD/020 .062 .062 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ 2709 and 2711 pistons have 3.8mm deep bowl.
 2694 piston has 9.1mm deep bowl.



3528cc

MGB-GT

Triumph 3528 V8

YEARS	NO. OF CYLS	1973-76	8		
BORE & STROKE	(MM)	88.900	71.120		
	(IN)	3.5000	2.8000		
PISTON HEAD TYPE					
PISTON ASSEMBLY KIT Sizes					
CLEARANCE & POSITION (From crown)					
COMP HEIGHT	PIN DIA.				
LOCKING DEVICE					
RING GROOVE WIDTHS					
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1445 STD .078 .078 .187			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



3298cc Bus; Canter	3298cc Canter	3298cc Canter; Trucks
4D30 Diesel	4D31 Diesel	4D32A

YEARS	NO. OF CYLS	1978-82	4	1982-92	4	1985-92	4
BORE & STROKE	(MM)	100.000	105.000	100.000	105.000	100.000	105.000
	(IN)	3.9370	4.1338	3.9370	4.1338	3.9370	4.1338
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT							
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1775 STD 3.000 2.000 5.000 C1873⁽¹⁾ STD 3.000 2.000 4.000		C1775⁽²⁾ STD 3.000 2.000 5.000 C1873⁽¹⁾ STD 3.000 2.000 4.000 C1610⁽²⁾ 0.50 3.000 2.000 5.000		C1874 STD 3.000 2.000 4.000	

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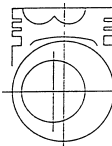
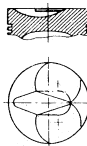
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1873 has a keystone top ring.
C1832 has a trapezoidal top ring.
- (2) C1610 has a keystone top ring.
C1775 has a trapezoidal top ring.



3907cc Trucks	3298cc Canter	2346cc L200, 4WD; Pajero, NA, NB, NC
4D34 Diesel	4D31 Turbo Diesel.	4D55 Diesel

YEARS	NO. OF CYLS	1991-on	4	1986-92	4	1980-86	4
BORE & STROKE	(MM)	104.000	115.000	100.000	105.000	91.100	90.000
	(IN)	4.0944	4.5275	3.9370	4.1338	3.5866	3.5433
PISTON HEAD TYPE				50 	206 		
PISTON ASSEMBLY KIT				4MKRY2926	4MKRY2957 ⁽¹⁾		
Sizes				020/040	STD		
CLEARANCE & POSITION (From crown)				0.0900 @ 100.00	0.0300 @ 73.00		
COMP HEIGHT	PIN DIA.			60.65	34.00	48.70	29.000
LOCKING DEVICE				CC	CC		
RING GROOVE WIDTHS				3.000 2.000 4.000	2.000 2.000 4.000		
CYLINDER SLEEVE/ASSEMBLY				FSZ3587-SF ⁽²⁾ RSA2957-SF ⁽²⁾			
RING SET		C1874		C1832 ⁽⁵⁾		C1776 ⁽³⁾	
Sizes		STD		STD/020/040		STD	
Widths		3.000 2.000 4.000		3.000 2.000 4.000		2.500 2.000 4.000	
				C1873		C1883 ⁽⁴⁾	
				STD		STD	
				3.000 2.000 4.000		2.000 2.000 4.000	

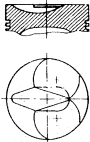
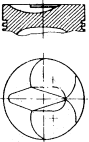
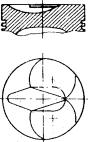
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2957 piston supersedes 2876 piston.
- (2) RSA2957-SF contain FSZ3587-SF semi-finished sleeve
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain.
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (3) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular top ring.
- (5) C1832 has a trapezoidal top ring.
 C1873 has a keystone top ring.



		2346cc		2476cc		2477cc	
		Pajero NA, NB, NC		Express SH; Express SJ; L300; Pajero; Triton ME, MF, MG		Express SH; Express SJ; Pajero, ND, NE, NF, NG, NH; Triton MH, MJ	
		4D55T Turbo Diesel		4D56 Diesel		4D56T Turbo Diesel	
YEARS	NO. OF CYLS	1980-86	4	1986-92	4	1985-93	4
BORE & STROKE	(MM)	91.100	90.000	91.100	95.000	91.100	95.000
	(IN)	3.5866	3.5433	3.5866	3.7401	3.5866	3.7401
PISTON HEAD TYPE		206 		206 		206 	
PISTON ASSEMBLY KIT Sizes		4MKRY2877⁽⁵⁾ STD		4MKRY2957⁽³⁾ STD		4MKRY2877⁽⁵⁾ STD	
CLEARANCE & POSITION (From crown)		0.04 @ 75.50		0.0300 @ 73.00		0.04 @ 75.50	
COMP HEIGHT	PIN DIA.	48.70	29.000	48.70	29.000	48.70	29.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.000 2.000 4.000		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3587-SF⁽¹⁾ RSA2877-SF^(1, 5)		FSZ3587-SF⁽¹⁾ RSA2957-SF⁽¹⁾		FSZ3587-SF⁽¹⁾ RSA2877-SF^(1, 5)	
RING SET Sizes Widths		C1777⁽²⁾ STD 2.500 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1776⁽²⁾ STD 2.500 2.000 4.000 C1883⁽⁴⁾ STD 2.000 2.000 4.000		M1878 STD 2.000 2.000 3.000 C1777 STD 2.500 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

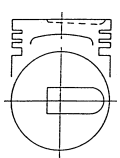
NOTES

- (1) RSA2877-SF & RSA2957-SF contain FSZ3587-SF semi-finished sleeve.
 Liner outer diameter: 94.200mm.
 Flange diameter: N/A actually plain.
 Flange depth: N/A
 Flange width: N/A
 Liner length: 165.000mm.
- (2) C1776 ring set has a 2.5mm wide rectangular top ring and suits old 2876 piston.

- (3) 2957 piston supersedes 2876 piston.
- (4) C1883 ring set suits 2957 piston which has a 2mm wide rectangular top ring.
- (5) Contains armoured (Alfin) top ring groove.



2659cc Canter; Jeep	3988cc Canter	1244cc Lancer; Tredia
4DR5 Diesel	6DR5 Diesel	G11B

YEARS	NO. OF CYLS	1970-81	4	1970-81	6	1977-86	4
BORE & STROKE	(MM)	92.000	100.000	92.000	100.000	69.500	82.000
	(IN)	3.6220	3.9370	3.6220	3.9370	2.7362	3.2283
PISTON HEAD TYPE		143 					
PISTON ASSEMBLY KIT Sizes		4MKRY2852 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		0.1200 @ 94.50					
COMP HEIGHT	PIN DIA.	52.50	28.000				
LOCKING DEVICE		CC					
RING GROOVE WIDTHS		2.500 2.000 2.000 4.500					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1746 STD/0.50/1.00 2.500 2.000 2.000 4.500		C1765 STD 2.500 2.000 4.500		M1693 STD 1.500 1.500 4.000	

LEGEND

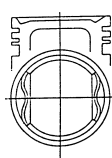
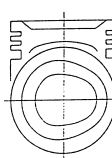
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



1410cc Colt RA; Tredia	1468cc Colt; Lancer, CA	1468cc Lancer CA
G12B Orion Belt Drive	4G15 8 Valve Carb SOHC	4G15 8 Valve MPI SOHC

YEARS	NO. OF CYLS	1977-86	4	1988-90	4	1989-90	4
BORE & STROKE	(MM)	74.000	82.000	75.500	82.000	75.500	82.000
	(IN)	2.9133	3.2283	2.9724	3.2283	2.9724	3.2283
PISTON HEAD TYPE				119 		188 	
PISTON ASSEMBLY KIT Sizes				Bowl Volume 4.9cc 4KRY8038 STD/0.50/1.00 4MKRY8038 STD/0.50/1.00		Bowl Volume 9.7cc 4KRY8039⁽¹⁾ STD/0.50/1.00 4MKRY8039⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				0.0200 @ 45.00		0.0200 @ 45.50	
COMP HEIGHT	PIN DIA.			28.60	18.000	29.10	18.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1565 STD/0.50 1.500 1.500 4.000 PS1565 STD 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000		C1802 STD/0.50/1.00 1.500 1.500 4.000 PS1802 STD/0.50/1.00 1.500 1.500 4.000	

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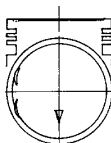
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Pistons 8039 suits EFI model and has egg shaped bowl in crown.
 2932 suits carbide models and has 4 valve pockets in crown.



1468cc Lancer CC; CE; Mirage GE	1289cc Galant GA; Valiant	1499cc Galant, GA; Valiant
4G15 SOHC 12 Valve	4G30 SOHC Chain Drive	4G31 SOHC Chain Drive

YEARS	NO. OF CYLS	1990-on	4	1969-73	4	1969-74	4
BORE & STROKE	(MM)	75.500	82.000	73.000	77.000	74.500	86.000
	(IN)	2.9724	3.2283	2.8740	3.0314	2.9330	3.3858
PISTON HEAD TYPE		217					
PISTON ASSEMBLY KIT Sizes		 Bowl Volume 3.2cc 4MKRY8040 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0200 @ 45.00					
COMP HEIGHT	PIN DIA.	28.60	18.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.200 1.500 3.000					
CYLINDER SLEEVE/ASSEMBLY				2875A			
RING SET Sizes Widths		C1829 STD/0.50/1.00 1.200 1.500 3.000		C1363 STD/0.50 2.000 2.000 4.000 PS1363 STD/0.50/1.00 2.000 2.000 4.000		C1371 STD 2.000 2.000 4.000	

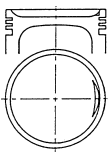
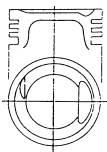
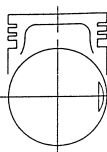
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1597cc Galant GB, GC, GD; L300; Sigma GE; Valiant	1597cc Colt, RB, RC, RD, RE; Cordia, AA; Galant; Lancer LB; L300; Nimbus Wagon; Sigma, GH, GJ, GK; Tredia	1439cc Galant GB, GC; Lancer LA; Valiant
4G32 SOHC Chain Drive	G32B Saturn Belt Drive	4G33 Saturn Chain Drive

YEARS	NO. OF CYLS	1971-78	4	1977-85	4	1973-82	4
BORE & STROKE	(MM)	76.900	86.000	76.900	86.000	73.000	86.000
	(IN)	3.0275	3.3858	3.0275	3.3858	2.8740	3.3858
PISTON HEAD TYPE		48 		123 		44 	
PISTON ASSEMBLY KIT		4KRY2572 STD/0.50/1.00/1.50 4MKRY2572 STD		4KRY2705 STD/0.50/0.75/1.00 4MKRY2705 STD/0.50/0.75/1.00/1.50		4MKRY2563 0.50/1.00	
CLEARANCE & POSITION		0.0400 @ 23.00		0.0400 @ 23.00		0.03 @	
COMP HEIGHT	PIN DIA.	33.60	19.000	33.00	19.000	1.26	.749
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY						2875A 2875B	
RING SET		C1430 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1430 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1603 STD/0.50/1.00/1.50 2.000 2.000 4.000 PS1603 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1363 STD/0.50 2.000 2.000 4.000 PS1363 STD/0.50/1.00 2.000 2.000 4.000	

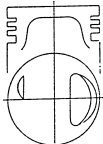
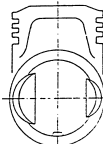
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1439cc Colt RB, RC, RD, RE Lancer LB	1755cc Cordia AB, AC; Nimbus UA, UB, Wagon	1855cc Colt; Galant; Sigma
4G33 Saturn Belt Drive	4G37 Saturn Belt Drive	4G51

YEARS	NO. OF CYLS	1982-85	4	1980-89	4	1974-80	4		
BORE & STROKE	(MM)	73.000	86.000	80.600	86.000	81.000	90.000		
	(IN)	2.8740	3.3858	3.1732	3.3858	3.1889	3.5433		
PISTON HEAD TYPE		60 		85 					
PISTON ASSEMBLY KIT Sizes		4KRY2724 STD/0.50/1.00 4MKRY2724 STD/0.50/1.00		4KRY2945 STD/0.50/1.00 4MKRY2945 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0600 @ 23.000		0.0300 @ 65.00					
COMP HEIGHT	PIN DIA.	32.8	19.000	33.50	19.000				
LOCKING DEVICE		AC		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B							
RING SET Sizes Widths		C1363 STD/0.50 2.000 2.000 4.000 C1589 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1363 STD/0.50/1.00 2.000 2.000 4.000 PS1589 STD/0.50/1.00 1.500 1.500 4.000		C1810 STD/0.50/1.00 1.500 1.500 4.000 PS1810 STD/0.50/1.00 1.500 1.500 4.000		C1540 STD/020/030/040/060 .078 .078 .156 PS1540 STD/020/030/040/060 .078 .078 .156			

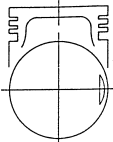
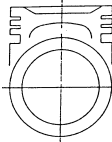
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1995cc L200; Scorpion; Sigma, GE, GK, GN 4G52 Astron Chain Drive	2384cc Canter; Challenger; Colt; Jeep 4G53	2555cc Sigma GK, GN 4G54 Hi Comp Chain Drive
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YEARS	NO. OF CYLS	1974-86	4	1974-78	4	1985-86	4
BORE & STROKE	(MM)	84.000	90.000	88.000	98.000	91.100	98.000
	(IN)	3.3070	3.5433	3.4645	3.8582	3.5866	3.8582
PISTON HEAD TYPE		44 				22 	
PISTON ASSEMBLY KIT Sizes		4KRY2691 STD/0.50/1.00				4KRY2889 STD/0.50/1.00/1.50 4MKRY2889 STD/0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		0.0400 @ 29.50				0.0250 @ 52.00	
COMP HEIGHT	PIN DIA.	39.82	22.000			36.00	22.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		2.000 2.000 4.000				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3312B					
RING SET Sizes Widths		M1570 STD/0.50/1.00 2.000 2.000 4.000 PS1570 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		PS1788 STD/0.50/1.00 2.000 2.000 4.000		M1588⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000 M1684⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1588⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000 PS1684 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	

LEGEND

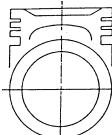
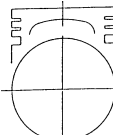
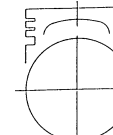
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1588 suits pistons with 2.00/2.00/4.00mm ring combination.
M/1684 suits pistons with 1.50/1.50/4.00mm rings.
- (2) Piston 2726 superseded by 2844. 2726 uses M1588 rings and 2844 uses M1684.



2555cc Canter; Pajero NA, NB, NC, ND; Scorpion, GJ, GK, GL; Sigma GE, GH, GJ, GK, GL; Triton	2555cc Magna TM, TN, TP, TR; Pajero NE, NF, NG, NH; Triton ME, MF, MG, MH, MJ	2555cc Magna TM, TN, TP, TR, TS; Pajero NE, NF, NG, NH; Triton ME, MF, MG, MH, MJ
4G54 Low Comp	4G54 Carb & MPI Low Comp	4G54 Carb & MPI

YEARS	NO. OF CYLS	1978-85	4	1985-94	4	1985-94	4
BORE & STROKE	(MM)	91.100	98.000	91.100	98.000	91.100	98.000
	(IN)	3.5866	3.8582	3.5866	3.8582	3.5866	3.8582
PISTON HEAD TYPE		22 		1 		1 	
PISTON ASSEMBLY KIT		4KRY8017⁽³⁾ STD/0.50/0.75/1.00/1.50		4KRY2889⁽²⁾ STD/0.50/1.00/1.50		4KRY2889⁽²⁾ 0.50/1.00	
Sizes							
		4MKRY8017 STD		4MKRY2889⁽²⁾ STD/0.50/1.00/1.50		4MKRY2889⁽²⁾ STD/0.50/1.00/1.50	
CLEARANCE & POSITION		0.0200 @ 65.50		0.0250 @ 51.50		0.0250 @ 52.00	
(From crown)							
COMP HEIGHT	PIN DIA.	35.00	22.000	35.500	22.000	35.5	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1588⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000	
Sizes		M1684⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		PS1684⁽¹⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		PS1684⁽¹⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000	
Widths		PS1684⁽¹⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000					
		PS1588⁽¹⁾ STD/0.50/0.75/1.00/1.50 2.00 2.00 4.000					

LEGEND

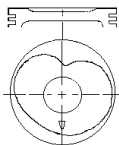
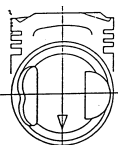
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M/PS1588 suits pistons with 2.00/2.00/4.00mm ring combination.
C/M/PS1684 suits pistons with 1.50/1.50/4.00mm rings.
- (2) 2889 piston supersedes 2844 piston
- (3) 8017 piston supersedes 2725.



2555cc Magna TS 4G54 Astron MPI Chain Drive	1596cc Lancer, CB 4G61 16 Valve DOHC	1795cc Cordia AA, AB, AC; L300 4G62 Sirius Belt Drive
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YEARS	NO. OF CYLS	1994-97	4	1991-92	4	1980-87	4
BORE & STROKE	(MM)	91.100	98.000	82.300	75.000	80.600	88.000
	(IN)	3.5866	3.8582	3.2401	2.9527	3.1732	3.4645
PISTON HEAD TYPE		226 				174 	
PISTON ASSEMBLY KIT Sizes		4MKRY2933 STD/0.50/1.00 4KRY2933 STD/0.50/1.00				4KRY2748 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0250 @ 52.00				0.0300 @ 62.00	
COMP HEIGHT	PIN DIA.	36.50	22.000		34.90	21.000	
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.500 1.500 4.000				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1684 STD/0.50/1.00 1.500 1.500 4.000 PS1684 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000		C1937 STD/0.50/1.00 1.200 1.600 3.000		C1667 STD/0.50/1.00 2.000 2.000 4.000 C1810⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 PS1667 STD/0.50/1.00 2.000 2.000 4.000 PS1810⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000	

LEGEND

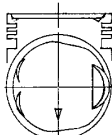
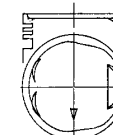
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Suits turbo application.
- (2) Not for turbo application.



1997cc L300, SA, SB, SC, SD, SE; Starwagon SG, SH	1997cc Starion Turbo	1997cc Express SF, SF; Express SG SG; Express SH, SH; L300; Starwagon SF
4G63 Sirius Leaded Belt Drive	G63BT Sirius Belt Drive	4G63 Sirius ULP Belt Drive

YEARS	NO. OF CYLS	1980-85	4	1980-87	4	1986-92	4
BORE & STROKE	(MM)	85.000	88.000	85.000	88.000	85.000	88.000
	(IN)	3.3464	3.4645	3.3464	3.4645	3.3464	3.4645
PISTON HEAD TYPE		211 				211 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 9.5cc 4KRY2893⁽¹⁾ 0.50/1.00 4MKRY2893⁽¹⁾ 0.50/1.00				Bowl Volume 12.3cc 4KRY8028⁽¹⁾ STD/0.50/1.00/1.50 4MKRY8028⁽¹⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 53.50				0.0250 @ 55.20	
COMP HEIGHT	PIN DIA.	35.00	21.000			35.10	21.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.500 1.500 4.000				1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1654⁽²⁾ STD/0.50/1.00 1.500 1.500 4.000 M1694⁽²⁾ STD/0.50/1.00 2.000 2.000 4.000 PS1654⁽³⁾ STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000 PS1694⁽²⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000		M1654⁽³⁾ STD/0.50/1.00 1.500 1.500 4.000 M1694⁽³⁾ STD/0.50/1.00 2.000 2.000 4.000		M1654 STD/0.50/1.00 1.500 1.500 4.000 PS1654 STD/0.50/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

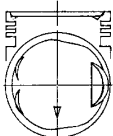
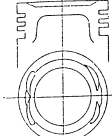
(1) 2893 piston has bowl depth 1.1mm and bowl capacity 9.5cc.
 8028 piston has bowl depth 2.5mm and bowl capacity 12.3cc.
 2893 suitable in leaded engines and will produce compression ratio 0.5 of a unit higher than 8028. Where excess material has been removed from cylinder head during reconditioning, it is recommended to use 8028 piston in all cases. If LPG is being used 2893 piston is better suited.

(2) * M1654 & PS1654 suit 8028 & 2893 pistons.
 * M1694 & PS1694 suit early OEM piston with 2.0, 2.0, 4.00mm ring grooves.

(3) Ringset M/PS1654 suits 1987-on has 1.5mm comp. rings, 1694 has 2mm comp. rings.



1997cc Express SH; Express SJ; L200; L300; Starwagon SH, WA	1997cc Galant HG, HH	1997cc Galant HH, HJ
4G63 SOHC Belt Drive	4G63 DOHC 16 Valve	4G63 DOHC 16 Valve

YEARS	NO. OF CYLS	1992-on	4	1989-92	4	1992-96	4
BORE & STROKE	(MM)	85.000	88.000	85.000	88.000	85.000	88.000
	(IN)	3.3464	3.4645	3.3464	3.4645	3.3464	3.4645
PISTON HEAD TYPE		211 		8 			
PISTON ASSEMBLY KIT		Bowl Volume 12.3cc 4MKRY8051 STD/0.50/1.00		Bowl Volume 10.4cc 4MKRY8029⁽²⁾ STD/0.50/1.00			
Sizes							
CLEARANCE & POSITION		0.0250 @ 55.20		0.0250 @ 55.00			
(From crown)							
COMP HEIGHT	PIN DIA.	35.10	22.000	34.90	21.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		1.200 1.500 3.000		1.200 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1840⁽¹⁾ STD/0.50/0.75/1.00 1.200 1.500 3.000		M1840⁽¹⁾ STD/0.50/0.75/1.00 1.200 1.500 3.000		M1867 STD/0.50/0.75/1.00 1.200 1.500 2.800	
Sizes							
Widths							
		M1893⁽¹⁾ STD 1.200 1.500 3.000					

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) M1840 is a 1.2, 1.5, 3.00mm ring set.
M1840 suits DOHC models 4G63D up to 1992 with 21mm pin & some SOHC models.
WARNING!
DOHC 4G63D models, 1992-on with 22mm pin use a 1.2, 1.5, 2.8mm ring set and is serviced by M1867.
Some SOHC models have shallow grooves and M1840 does not suit. Check oil ring back clearance.
For engines with shallow oil groove use M1893.

(2) 8029 piston suits models up to 6/92 which have the 21mm pin. Later models use a 22mm pin.



1997cc Galant HG, HH	2351cc Express Van; Express SF, SG, SH; L300; Nimbus UF; Starwagon SF, SG, SH	2351cc Express SH, SJ, WA; L300; Nimbus UF; Starwagon SH, WA
4G63 DOHC Turbo 16 Valve	4G64 SOHC 8 Valve Belt Drive	4G64 SOHC 8 Valve Belt Drive

YEARS	NO. OF CYLS	1989-92	4	1986-92	4	1992-94	4
BORE & STROKE	(MM)	85.000	88.000	86.500	100.000	86.500	100.000
	(IN)	3.3464	3.4645	3.4055	3.9370	3.4055	3.9370
PISTON HEAD TYPE				203			203
PISTON ASSEMBLY KIT Sizes							
				Bowl Volume 4cc			
				4KRY8062 STD/0.50/1.00			
				4MKRY8062 STD/0.50/1.00			
				4MKRY8061 ⁽¹⁾ (Flat top) STD/0.50/1.00			
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.			34.60	21.000	35.00	22.000
LOCKING DEVICE				AC			AC
RING GROOVE WIDTHS				1.500 1.500 4.000			1.200 1.500 3.000
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1840 STD/0.50/0.75/1.00 1.200 1.500 3.000		M1813 STD/0.50/1.00 1.500 1.500 4.000			M1880 STD/0.50/0.75/1.00 1.200 1.500 3.000
				C1813 STD/0.50/1.00 1.500 1.500 4.000			
				PS1813 STD/0.50/1.00 1.500 1.500 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

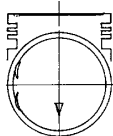
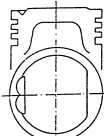
NOTES

(1) 8061 piston is a flat top higher comp alternative piston. Bowl volume: 0cc.

Mitsubishi



2351cc Nimbus UF; Magna TE, TF; Starwagon SJ, WA 4G64 SOHC 16 Valve	1596cc Lancer CB, CC 4G92 1.6L 16V EFI	1834cc Lancer CC, CE 4G93 DOHC
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YEARS	NO. OF CYLS	1992-on	4	1990-96	4	1996-on	4
BORE & STROKE	(MM)	86.500	100.000	81.000	77.500	81.000	89.000
	(IN)	3.4055	3.9370	3.1889	3.0511	3.1889	3.5039
PISTON HEAD TYPE		217  Bowl Volume 20.7cc 4MKRY8065 STD/0.50/1.00				92  4MKRY2958 STD/0.50/1.00	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)		0.025 @ 55.00				0.0300 @ 45.00	
COMP HEIGHT	PIN DIA.	34.6	22.000			30.80	19.000
LOCKING DEVICE		AC				AC	
RING GROOVE WIDTHS		1.200 1.500 2.800				1.200 1.200 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1879 STD/0.50/0.75/1.00 1.200 1.500 2.800		C1884 STD/0.50/1.00 1.200 1.200 2.800		C1884 STD/0.50/1.00 1.200 1.200 2.800	

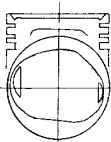
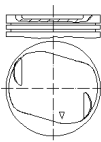
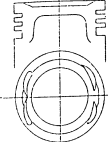
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2972cc Pajero, NF, NG, NH, NJ, NK; Triton MH, MJ	2972cc Magna TR, TS; Verada KR, KS	2972cc Magna TE, TF Starwagon WA; Challenger PA
6G72 V6 Belt Drive SOHC12V	6G72 V6 Belt Drive SOHC 12V	6G72 V6 Belt Drive SOHC 24V

YEARS	NO. OF CYLS	1988-97	V6	1991-on	V6	1994-on	V6
BORE & STROKE	(MM)	91.100	76.000	91.100	76.000	91.100	76.000
	(IN)	3.5866	2.9921	3.5866	2.9921	3.5866	2.9921
PISTON HEAD TYPE		222 		225 		8 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 14.2cc 6KRY8015 STD/0.50/1.00 6MKRY8015 STD/0.50/1.00		Bowl Volume 1.4cc 6MKRY8026 STD/0.50/1.00		Bowl Volume 13.1cc 6MRKY8066 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0250 @ 47.70		0.0250 @ 47.50		0.0250 @ 46.80	
COMP HEIGHT	PIN DIA.	31.70	22.000	31.50	22.000	30.80	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.200 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1816 STD/0.50 1.500 1.500 4.000 PS1816 STD/0.50/1.00 1.500 1.500 4.000		M1803 STD/0.50/0.75/1.00 1.200 1.500 3.000		M1803 STD/0.50/0.75/1.00 1.200 1.500 3.000	

LEGEND

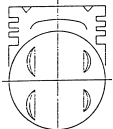
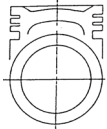
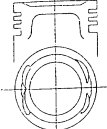
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Mitsubishi



2972cc 3000 GT Diamante	3497cc Magna TH, TJ; Verada KE, KF, KH, KJ; Pajero NJ, NL	3497cc Pajero NJ, NK; Montero
6G72 V6	6G74 SOHC 24V	6G74 DOHC 24V

YEARS	NO. OF CYLS	1991-96	V6	1995-on	V6	3/1993-97	V6
BORE & STROKE	(MM)	91.100	76.000	93.000	86.000	93.000	86.000
	(IN)	3.5870	2.992	3.6610	3.3858	3.6610	3.3858
PISTON HEAD TYPE		192 		244 		8 	
PISTON ASSEMBLY KIT Sizes		6MKRY8027 STD/0.50/0.75/1.00		Bowl Volume 24.6cc 6MKRY8068 STD/0.50/1.00		Bowl Volume 17.5cc 6MKRY8069 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.025 @ 47.80		0.0200 @ 47.00		0.0200 @ 47.00	
COMP HEIGHT	PIN DIA.	31.800	22.000	30.800	22.000	30.800	22.000
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		1.200 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1803 STD/0.50/0.75/1.00 1.200 1.500 3.000		C1894 STD/0.50/1.00 1.500 1.500 3.000		C1894 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



848cc Mini, Moke Leyland 'A' series	948cc Mini, Moke; Minor 1000 Leyland 'A' series	970cc Cooper & S Leyland 'A' series
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YEARS	NO. OF CYLS	1959-75	4	1957-62	4	1963-on	4
BORE & STROKE	(MM)	62.940	68.260	62.940	76.200	70.612	61.925
	(IN)	2.4779	2.6874	2.4779	3.0000	2.7800	2.4380
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY						2750B	
RING SET Sizes Widths		C1217 030/040 .070 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125		C1217 030/040 .070 .070 .070 .156 C981⁽¹⁾ STD .070 .070 .070 .125		C1553 040 .047 .047 .047 .156	

LEGEND

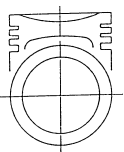
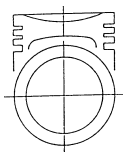
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C981 original piston only.



998cc Clubman; Cooper & S; Mini, Moke; Minor 1000 Leyland 'A' series	1071cc Cooper & S; 1100 & 1100S Leyland 'A' series	1098cc Clubman; Cooper & S; Mini Moke; 1100 & 1100S Leyland 'A' series
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YEARS	NO. OF CYLS	1961-81	4	1963-72	4	1962-69	4
BORE & STROKE	(MM)	64.579	76.200	70.640	61.910	64.579	83.820
	(IN)	2.5425	3.0000	2.7811	2.4374	2.5425	3.3000
PISTON HEAD TYPE		6 				6 	
PISTON ASSEMBLY KIT Sizes		4KRY2715 040/060 4MKRY2715 040				4KRY2714 STD/020/040/060	
CLEARANCE & POSITION (From crown)		.0015 @ .93				.0010 @ .81	
COMP HEIGHT	PIN DIA.	1.32	.625			1.17	.625
LOCKING DEVICE		CC				CC	
RING GROOVE WIDTHS		.062 .062 .062 .125				.062 .062 .062 .125	
CYLINDER SLEEVE/ASSEMBLY		2543B		2750B		2543B	
RING SET Sizes Widths		M1145 STD/020/040 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125		C1251 STD/020/040/060 .062 .062 .062 .156 C1553(1) 040 .047 .047 .047 .156 PS1251 STD/020/040/060 .062 .062 .062 .156		M1145 STD/020/040 .062 .062 .062 .125 PS1145 STD/020/040/060 .062 .062 .062 .125	

LEGEND

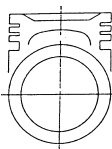
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1553 consists of 3-.047in, 1-.156in
 C1251 consists of 3-.063in, 1-.156in.



1275cc Allegro; Clubman; Cooper & S; Marina; Mini Moke; 1100 & 1100S; 1300 Leyland 'A' series	1485cc Nomad 1485	1489cc Commercial; Major; Oxford Leyland 'B' series
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YEARS	NO. OF CYLS	1967-82	4	1969-72	4	1959-61	4
BORE & STROKE	(MM)	70.640	81.330	76.200	81.280	73.025	88.900
	(IN)	2.7811	3.2019	3.0000	3.2000	2.8750	3.5000
PISTON HEAD TYPE		22					
							
PISTON ASSEMBLY KIT		4MKRY2272					
Sizes		STD/020/040/060					
CLEARANCE & POSITION		.0015 @ 1.00					
(From crown)							
COMP HEIGHT	PIN DIA.	1.47	.813				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		.062 .062 .062 .156					
CYLINDER SLEEVE/ASSEMBLY		2750B				2875A 2875B	
RING SET		C1251		M1273		C1361	
Sizes		STD/020/040/060		STD		STD	
Widths		.062 .062 .062 .156		.078 .078 .187		.078 .078 .156	
		C1553					
		040					
		.047 .047 .047 .156					
		PS1251					
		STD/020/040/060					
		.062 .062 .062 .156					

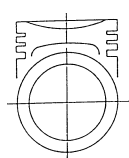
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PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2227cc 2200	1746cc Marina	2623cc Marina
Leyland 'E' series	1746	2623

YEARS	NO. OF CYLS	1970-72	6	1972-74	4	1972-74	6
BORE & STROKE	(MM)	76.200	81.280	76.200	95.760	76.174	95.760
	(IN)	3.0000	3.2000	3.0000	3.7701	2.9990	3.7701
PISTON HEAD TYPE				6			
							
PISTON ASSEMBLY KIT				4MKRY2768			
Sizes				STD/020/040/060			
CLEARANCE & POSITION				.0015 @ .82			
(From crown)							
COMP HEIGHT	PIN DIA.			1.407	.813		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				.062 .062 .156			
CYLINDER SLEEVE/ASSEMBLY		3000A 3000B		3000A 3000B	3000A 3000B		
RING SET		M1359 ^(1, 2)		M1358	M1359		
Sizes		STD		STD/020	STD		
Widths		.062 .062 .156		.062 .062 .156	.062 .062 .156		
		M1331 ⁽¹⁾		PS1358	M1739 ⁽³⁾		
		STD		STD	STD		
		.078 .078 .187		.062 .062 .156	.062 .062 .156		
		M1740 ⁽²⁾					
		STD/020/060					
		.062 .062 .156					

LEGEND

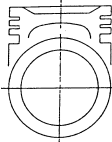
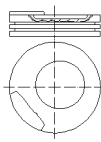
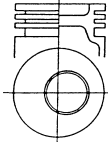
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1359 suits piston 2768, M1331 suits early piston with 2-078in, 1-.187in rings.
- (2) M1740 is 1/16", 1/16", .156" ring set and suits piston with shallow oil ring groove. Oil ring depth (.126").
- (3) M1739 suits pistons with shallow oil ring groove.



250ci NXF Ute	1598cc Pulsar N13	1796cc Pulsar N13
Ford 4.1L Unleaded	Holden 1.6L FII G2 (16LF)	Holden 1.8L FII G2 Unleaded

YEARS	NO. OF CYLS	1986-88	6	1987-90	4	1987-90	4
BORE & STROKE	(MM)	93.472	99.314	80.000	79.500	84.800	79.500
	(IN)	3.6800	3.9100	3.1496	3.1299	3.3385	3.1299
PISTON HEAD TYPE		22 		208 		25 	
PISTON ASSEMBLY KIT Sizes		6KRY4103 STD/020/030/040/060 6MKRY4103 STD/020/030/040/060		4MKRY2938 STD/0.50/1.00		4KRY2855 STD/0.50/1.00 4MKRY2855 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0010 @ 2.50		0.0200 @ 47.10		0.0300 @ 45.50	
COMP HEIGHT	PIN DIA.	1.53	.912	31.90	21.000	33.65	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		PSP3680-SF					
RING SET Sizes Widths		M1166⁽¹⁾ STD/020/030/040/060 .078 .078 .187 M1666⁽¹⁾ STD/020/030/040/060 .059 .059 .156 PS1166⁽¹⁾ STD/020/030/040/060 .059 .059 .156		C1811 STD/0.50/1.00 1.500 1.500 3.000		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

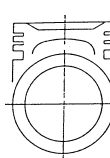
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Use M/PS1666 for genuine pistons only.
M/PS1666 contents 12-1.5mm, 6-4mm.
- (2) M9121 is a performance fileback ring set.



988cc Cherry; Series B10; Sunny; 1000 A10	1171cc Series B210; Sunny; Van C20; Vanette; 120Y; 1200 A12	1397cc B120 B120; Pulsar; Stanza; Sunny A14
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YEARS	NO. OF CYLS	1966-81	4	1970-84	4	1980-81	4
BORE & STROKE	(MM)	73.000	59.000	73.000	70.000	76.000	77.000
	(IN)	2.8740	2.3228	2.8740	2.7559	2.9921	3.0314
PISTON HEAD TYPE				22			
							
PISTON ASSEMBLY KIT				4KRY2562			
Sizes				STD/0.50/1.00/1.50			
CLEARANCE & POSITION (From crown)				0.0200 @ 55.00			
COMP HEIGHT	PIN DIA.			31.95	17.450		
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B		2875A 2875B			
RING SET		C1112		C1335		M1672 ⁽¹⁾	
Sizes		STD/0.50/1.00		STD/0.50/1.00/1.50		STD/0.50	
Widths		2.000 2.000 4.000		2.000 2.000 4.000		1.200 2.000 4.000	
		PS1112		PS1335		C1645	
		STD/0.50/1.00/1.50		STD/0.50/1.00/1.50		STD/0.50	
		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
						PS1645	
						STD/0.50/1.00	
						2.000 2.000 4.000	
						PS1672 ⁽¹⁾	
						STD/0.50/1.00	
						1.200 2.000 4.000	

LEGEND

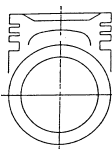
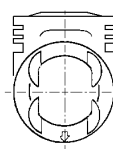
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RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) M/PS1672 suits from 1982-on.



1488cc Series B210; Sunny; Vanette A15	1598cc EXA CA16DE DOHC 16 Valve	1809cc EXA KN13 CA18DE DOHC 16 Valve
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YEARS	NO. OF CYLS	1979-81	4	1987-88	4	1988-92	4
BORE & STROKE	(MM)	76.000	82.000	78.000	83.600	83.000	83.600
	(IN)	2.9921	3.2283	3.0708	3.2913	3.2677	3.2913
PISTON HEAD TYPE		22 				243 	
PISTON ASSEMBLY KIT Sizes		4KRY2831 STD/0.50/1.00 4MKRY2831 1.00				4MKRY2995 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 30.000				0.0200 @ 50.000	
COMP HEIGHT	PIN DIA.	30.00	19.000			29.70	20.000
LOCKING DEVICE		AC				SC	
RING GROOVE WIDTHS		1.200 2.000 4.000				1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1672 STD/0.50 1.200 2.000 4.000 PS1672 STD/0.50/1.00 1.200 2.000 4.000		M1863 STD 1.500 1.500 2.800		C1846 STD/0.50/1.00 1.500 1.500 2.800	

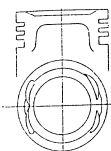
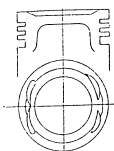
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1974cc Bluebird Series 111; Prairie	1974cc Bluebird; Gazelle; Pintara	1270cc Pulsar; Sunny
CA20S	CA20E	E13

YEARS	NO. OF CYLS	1982-85	4	1985-93	4	1981-87	4		
BORE & STROKE	(MM)	84.500	88.000	84.500	88.000	76.000	70.000		
	(IN)	3.3267	3.4645	3.3267	3.4645	2.9921	2.7559		
PISTON HEAD TYPE		8  Bowl Volume 10.4cc		8  Bowl Volume 10.4cc					
PISTON ASSEMBLY KIT Sizes		4KRY8010 STD/0.50/1.00 4MKRY8010 STD/0.50/1.00		4KRY8010 STD/0.50/1.00 4MKRY8010 STD/0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0300 @ 45.00		0.0300 @ 45.00					
COMP HEIGHT	PIN DIA.	30.00	20.000	30.00	20.000				
LOCKING DEVICE		AC		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY									
RING SET Sizes Widths		M1685 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1687 ⁽¹⁾ STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 4.000		M1685 ⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000 M1687 ⁽¹⁾ STD 1.500 1.500 2.800 C1685 STD/0.50/1.00 1.500 1.500 4.000 PS1685 STD/0.50/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000			

LEGEND

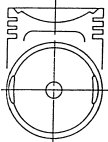
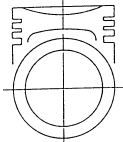
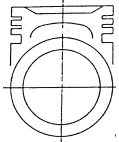
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ M1687 has a 2.80mm oil ring, M1685 has a 4.00mm oil ring, both sets have top and 2nd rings of 1.50mm.
M1685 suits piston 2832.



1487cc Prairie; Pulsar; Sunny	1488cc EXA; Pulsar N12	1597cc Pulsar N12
E15	E15T OHC Turbo	E16

YEARS	NO. OF CYLS	1982-85	4	1983-87	4	1986-87	4
BORE & STROKE	(MM)	76.000	82.000	76.000	82.000	76.000	88.000
	(IN)	2.9921	3.2283	2.9921	3.2283	2.9921	3.4645
PISTON HEAD TYPE		142 		6 		22 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 22.2cc 4KRY8054 STD/0.50/1.00 4MKRY8054 STD/0.50/0.75		Bowl Volume 23.5cc 4MKRY8055 STD/0.50/1.00		Bowl Volume 18.4cc 4KRY8037 STD/0.50/1.00 4MKRY8037 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 49.00		0.0200 @ 50.00		0.0200 @ 49.00	
COMP HEIGHT	PIN DIA.	32.10	19.000	33.10	19.000	32.10	19.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644⁽¹⁾ STD/0.50/0.75/1.00 1.500 1.500 4.000		C1644 STD/0.50/0.75/1.00 1.500 1.500 4.000 PS1644 STD/0.50/0.75/1.00 1.500 1.500 4.000	

LEGEND

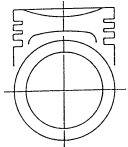
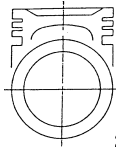
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Important! Do not use Proseal 'PS' ring set in Turbo application.



3298cc Caball; Cabstar; Commercial; Condor	1597cc Pulsar N14, N15; Sentra; Serena	1982cc Caball; Civilian; Clipper; Fairlady; Homer; Urvan; Van E20
ED33 Diesel	GA16DE 16 Valve DOHC	H20

YEARS	NO. OF CYLS	1980-on	4	1990-00	4	1966-82	4
BORE & STROKE	(MM)	100.000	105.000	76.000	88.000	87.200	83.000
	(IN)	3.9370	4.1338	2.9921	3.4645	3.4330	3.2677
PISTON HEAD TYPE				6  Bowl Volume 12.3cc 4MKRY8022 STD/0.50/1.00 4KRY8022 STD/0.50/1.00		22  Bowl Volume 5.5cc 4MKRY2298 STD/0.50/1.00/1.50 4KRY2298 0.50/1.00/1.50	
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)				0.0200 @ 43.70		0.0024 @ 1.09	
COMP HEIGHT	PIN DIA.			29.10	19.000	1.598	.866
LOCKING DEVICE				SC		SC	
RING GROOVE WIDTHS				1.500 1.500 2.800		.078 .098 .156	
CYLINDER SLEEVE/ASSEMBLY						3431A 3413B	
RING SET Sizes Widths		C1757 STD 3.000 2.000 4.500		C1823⁽¹⁾ STD/0.50/1.00 1.500 1.500 2.800 C1833⁽¹⁾ STD/0.50 1.500 1.500 3.000 PS1823⁽¹⁾ STD/0.50/1.00 1.500 1.500 2.800		C1459 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1459 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

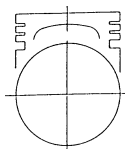
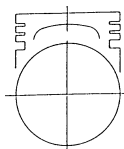
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ C1823 contains 1.5,1.5,2.8mm rings and suits 8022 piston.
C1833 contains 1.5,1.5,3.0mm and suits earlier 2887 piston. Some original pistons may require 2.8mm oil ring.
8022 supersedes 2887 piston.



1299cc Series 411, 520, 620; 1300 J13	1483cc Homer; Series 520, 521, 620; 1500 J15	1567cc E23 Van; Homer; Series 521; Urvan; Van E20 J16
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YEARS	NO. OF CYLS	1970-75	4	1970-79	4	1973-82	4
BORE & STROKE	(MM)	73.000	77.600	77.950	77.600	77.950	82.000
	(IN)	2.8740	3.0551	3.0688	3.0551	3.0688	3.2283
PISTON HEAD TYPE				1 	1 		
PISTON ASSEMBLY KIT				4KRY2515 STD/0.50/1.00/1.50	4KRY2515 STD/0.50/1.00/1.50		
Sizes				4MKRY2515 0.50	4MKRY2515 0.50		
CLEARANCE & POSITION (From crown)				0.04 @ 25.4	0.04 @ 25.4		
COMP HEIGHT	PIN DIA.			1.54	.826	1.54	.826
LOCKING DEVICE				AC	AC		
RING GROOVE WIDTHS				2.0 2.0 4.00	2.0 2.0 4.00		
CYLINDER SLEEVE/ASSEMBLY		2875A 2875B					
RING SET		C1112 STD/0.50/1.00 2.000 2.000 4.000		C1429 STD/0.50/1.00/1.50 2.000 2.000 4.000		C1429 STD/0.50/1.00/1.50 2.000 2.000 4.000	
Sizes							
Widths		PS1112 STD/0.50/1.00/1.50 2.000 2.000 4.000		PS1429 STD/0.50/1.00 2.000 2.000 4.000		PS1429 STD/0.50/1.00 2.000 2.000 4.000	

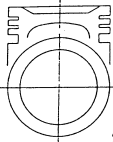
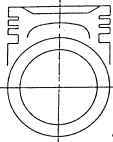
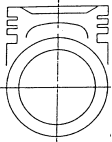
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2389cc Pintara U12 Navara D21, D22 KA24E 12 Valve	2389cc Pintara U12 Navara D21, D22 KA24E 12 Valve	2389cc Bluebird, U13 KA24DE 16 Valve DOHC
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YEARS	NO. OF CYLS	1989-on	4	1989-on	4	1993-97	4
BORE & STROKE	(MM)	89.000	96.000	89.000	96.000	89.000	96.000
	(IN)	3.5039	3.7795	3.5039	3.7795	3.5039	3.7795
PISTON HEAD TYPE		22		22		22	
							
		Bowl Volume 7.3cc		Bowl Volume 7.3cc		Bowl Volume 7.3cc	
PISTON ASSEMBLY KIT		4MKRY8012		4MKRY8016		4MKRY8024	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 45.70		0.0300 @ 45.70		0.0300 @ 45.70	
COMP HEIGHT	PIN DIA.	33.85	21.000	33.85	21.000	33.85	21.000
LOCKING DEVICE		AC		SC		SC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1809		M1809		M1809	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 2.800	

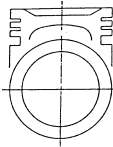
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1296cc Bluebird; Commercial; 1300 L13	1428cc Bluebird; Commercial; 1400 L14	1595cc Bluebird; Series 510, 521, 610, 620; Stanza; 1600 L16
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YEARS	NO. OF CYLS	1967-77	4	1979-85	4	1967-83	4
BORE & STROKE	(MM)	83.000	59.900	83.000	66.000	83.000	73.300
	(IN)	3.2677	2.3582	3.2677	2.5984	3.2677	2.8858
PISTON HEAD TYPE						22 	
PISTON ASSEMBLY KIT Sizes						4KRY2517 STD/020/040/060	
CLEARANCE & POSITION (From crown)						0.0250 @ 23.50	
COMP HEIGHT	PIN DIA.					38.10	21.000
LOCKING DEVICE						AC	
RING GROOVE WIDTHS						2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3252B		3252B		3252B	
RING SET Sizes Widths		C1263 STD/020/040/060 2.000 2.000 4.000 PS1263 STD/020/040/060 2.000 2.000 4.000		C1263 STD/020/040/060 2.000 2.000 4.000 PS1263 STD/020/040/060 2.000 2.000 4.000		C1263 STD/020/040/060 2.000 2.000 4.000 PS1263 STD/020/040/060 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc King Cab; Series 521, 610, 620, 710, 720; Skyline; 180B L18	1962cc Bluebird Series 1, Series 11; Series 610, 620, 710, 720, 810; Skyline; 200B L20B	2262cc Personal; Super six L23
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YEARS	NO. OF CYLS	1972-82	4	1974-82	4	1967-69	6
BORE & STROKE	(MM)	85.000	78.000	85.000	86.000	83.000	69.700
	(IN)	3.3464	3.0708	3.3464	3.3858	3.2677	2.7440
PISTON HEAD TYPE		22		22			
		Bowl Volume 9.5cc		Bowl Volume 9.5cc			
PISTON ASSEMBLY KIT		4KRY2656		4KRY2656⁽¹⁾			
Sizes		STD/0.50/1.00/1.50		STD/0.50/1.00/1.50			
				4MKRY2900⁽¹⁾			
				0.50/1.00/1.50			
				Bowl Volume 15.6cc			
				4MKRY2764⁽²⁾			
				STD/0.50/1.00			
				Bowl Volume 1.2cc			
CLEARANCE & POSITION		0.0400 @ 68.00		0.025 @ 55.00			
(From crown)							
COMP HEIGHT	PIN DIA.	38.10	21.000	37.60	21.000		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		3346B		3346B		3252B	
RING SET		M1149		M1149		C1431	
Sizes		STD/0.50/1.00/1.50		STD/0.50/1.00/1.50		STD/020	
Widths		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
		PS1149		PS1149		PS1431	
		STD/0.50/0.75/1.00/1.50		STD/0.50/0.75/1.00/1.50		STD/020/040/060	
		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

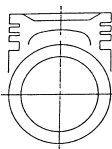
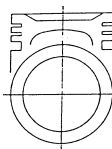
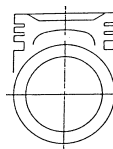
- (1) 4KRY2656 approximate compression ratio: 9.0:1 after reconditioning.
 4KRY2900 approximate compression ratio: 8.4:1 after reconditioning.

Note: to return reconditioned engine to approximate OE specifications
 ACL Pistons are designed with an adjusted compression ratio to
 compensate for the effects of engine reconditioning.

- (2) 2764 piston is a higher compression piston bowl volume 3.2cc.
 2656 piston bowl volume 9.6cc.
 2900 piston bowl volume 15.6cc.



2393cc Personal; Skyline; Super six; 240C/Z/X L24	2393cc Skyline R30 L24E EFI	2565cc 260C; 260Z L26
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YEARS	NO. OF CYLS	1967-82	6	1982-86	6	1969-80	6
BORE & STROKE	(MM)	83.000	73.700	83.000	73.700	83.000	79.000
	(IN)	3.2677	2.9015	3.2677	2.9015	3.2677	3.1102
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT Sizes		6KRY2517 STD/020/040/060		6MKRY2960 STD/0.50/1.00		6KRY2517 STD/020/040/060	
CLEARANCE & POSITION (From crown)		0.0250 @ 23.50		0.0300 @ 54.00		0.025 @ 23.50	
COMP HEIGHT	PIN DIA.	38.10	21.000	38.00	20.000	38.10	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3252B		3252B		3252B	
RING SET Sizes Widths		C1431 STD/020 2.000 2.000 4.000 PS1431 STD/020/040/060 2.000 2.000 4.000		C1871⁽¹⁾ STD 1.500 2.000 4.000 C1886⁽¹⁾ STD/0.50/1.00 1.500 1.500 4.000		C1431 STD/020 2.000 2.000 4.000 PS1431 STD/020/040/060 2.000 2.000 4.000	

LEGEND

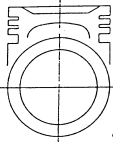
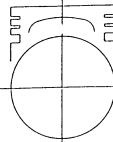
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- ⁽¹⁾ C1871 is a 1.5, 2.0, 4.0mm ring set.
 C1886 is a 1.5, 1.5, 4.0mm ring set.
 C1886 suits latest model L24E 1984-86.



2753cc Patrol, MQ; 280C; 280Z; 280ZX L28	3956cc Commercial; Patrol, MQ P40	1595cc Homer R
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YEARS	NO. OF CYLS	1969-84	6	1960-87	6	1968-72	4
BORE & STROKE	(MM)	86.000	79.000	85.700	114.300	87.200	66.800
	(IN)	3.3858	3.1102	3.3740	4.5000	3.4330	2.6299
PISTON HEAD TYPE		22  Bowl Volume 9.5cc		1 			
PISTON ASSEMBLY KIT		6KRY2700 STD/0.50/1.00 6MKRY2700 STD/0.50/1.00		6KRY2654 STD/020/040/060 6MKRY2654 STD/060			
CLEARANCE & POSITION (From crown)		0.025 @ 55.00		0.0500 @ 30.00			
COMP HEIGHT	PIN DIA.	37.60	21.000	52.68	20.660		
LOCKING DEVICE		AC		AC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.500 2.500 4.750			
CYLINDER SLEEVE/ASSEMBLY				3375A 3375B		3431A 3431B	
RING SET		M1616⁽¹⁾ STD 1.500 2.000 4.000 C1601⁽¹⁾ STD/0.50/1.00 2.000 2.000 4.000 PS1616 STD/0.50/1.00 1.500 2.000 4.000 M1944 STD 1.200 2.000 4.000		C1590 STD 2.500 2.500 4.750 C3190⁽²⁾ STD/040 2.500 2.500 4.750		C1459 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1459 STD/0.50/1.00/1.50 2.000 2.500 4.000	

LEGEND

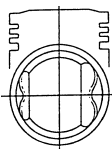
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1616 suits piston with 1.5, 2.0, 4.0 rings and Turbo engines. C/PS1601 contains 2.00,2.00,4.00mm rings.
- (2) Some original pistons have an oil ring groove depth of .198in. C3190 is not suitable for these pistons, use C1590.



2962cc Patrol; Skyline R31 RB30E	1991cc Cedric; Commercial SD20 Diesel	2164cc Caball; Civilian; Clipper; Commercial; Forklift; Homer; Series 720; Urvan SD22 Diesel
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YEARS	NO. OF CYLS	1986-92	6	1963-80	4	1963-84	4
BORE & STROKE	(MM)	86.000	85.000	83.000	92.000	83.000	100.000
	(IN)	3.3858	3.3464	3.2677	3.6220	3.2677	3.9370
PISTON HEAD TYPE		118 		59 		59 	
PISTON ASSEMBLY KIT Sizes		6KRY2799 STD/0.50/1.00 6MKRY2799 STD/0.50/1.00		4MKRY2719 STD/0.50/1.00		4MKRY2719 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.025 @ 47.30		0.2000 @ 34.00		0.2000 @ 34.00	
COMP HEIGHT	PIN DIA.	32.10	21.000	48.00	26.000	48.00	26.000
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		1.500 1.500 2.800		2.500 2.000 2.000 4.500 4.500		2.500 2.000 2.000 4.500 4.500	
CYLINDER SLEEVE/ASSEMBLY		3375B		FSY3268^(1, 2) RSA2719^(1, 2)		FSY3268^(1, 2) RSA2719^(1, 2)	
RING SET Sizes Widths		M1686 STD/0.50/1.00 1.500 1.500 2.800 PS1686⁽⁴⁾ STD/0.50/1.00 1.500 1.500 2.800		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500	

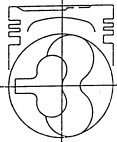
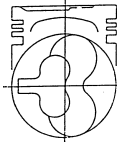
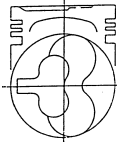
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2719 contains FSY3268 sleeve.
 Liner outer diameter: 87.064mm.
 Flange diameter: 92.985mm.
 Flange depth: N/A
 Flange width: 5.095mm.
 Liner length: 176.000mm.
- (2) RSA2719-SF contains FSY3268-SF semi-finished sleeve.
 Liner outer diameter: 87.076mm.
 Flange diameter: 93.000mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 176.000mm.
- (3) C1538 which has a rectangular 'top ring'.
 suits early models. Later models
 have 5 rings, the top being 'trapezoidal'
 (tapered) and is serviced as C1612.
 The latest versions are 3 ring pistons,
 the top ring is also 'trapezoidal' and is
 serviced as C1734 (early 2.5,2.4,5mm),
 C1826 (late 2.5, 2, 4mm), all are 2 cylinder
 sets except for C1826 which is a 6 cylinder set.
- (4) Do not use PS1686 ring set in turbo application.



		2289cc		2488cc		2389cc	
		Commercial; Patrol; Series 720; Urvan		Cabstar; Commercial; Navara 4WD; Patrol; Series 720		Cabstar; Navara 4WD; Series 720	
		SD23 Diesel		SD25 Diesel		SD25 Diesel	
YEARS	NO. OF CYLS	1980-88		1980-85		1985-92	
BORE & STROKE	(MM)	89.000	92.000	89.000	100.000	89.000	96.000
	(IN)	3.5039	3.6220	3.5039	3.9370	3.5039	3.7795
PISTON HEAD TYPE		59 		59 		59 	
PISTON ASSEMBLY KIT		4MKRY2878⁽³⁾		4MKRY2879⁽³⁾		4MKRY2952⁽³⁾	
Sizes		STD		STD		STD	
CLEARANCE & POSITION						.0600 @ 70.00	
(From crown)							
COMP HEIGHT	PIN DIA.	48.00	26.000	48.00	26.000	48.00	26.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.500		2.500 2.000 4.500		2.500 2.000 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSX3504^(1, 2)	RSA2878^(1, 2, 3)	FSX3504^(1, 2)	RSA2879^(1, 2, 3)	FSX3504^(1, 2)	RSA2952^(1, 2)
RING SET		C1756		C1756		C1756	
Sizes		STD		STD		STD	
Widths		2.500 2.000 4.500		2.500 2.000 4.500		2.500 2.000 4.500	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

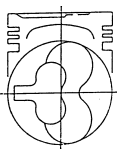
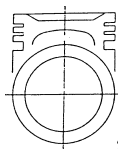
(1) RSA2878, RSA2879 and RSA2952 contain FSX3504 sleeve.
 Liner outer diameter: 92.030mm.
 Flange diameter: 98.000mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 172.000mm.

(2) RSA2878-SF, RSA2879-SF and RSA2952-SF contain FSX3504-SF semi-finished sleeve.
 Liner outer diameter: 92.100mm.
 Flange diameter: 97.985mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 172.000mm.

(3) Contains armoured (Alfin) top ring groove.
 2879 piston length 90mm
 2952 piston length 80mm



3246cc Commercial; Patrol, MQ	3246cc Commercial; Patrol	1998cc NX Coupe; Pulsar; N14, N15 Serena
SD33 Diesel	SD33T Diesel Turbo	SR20DE

YEARS	NO. OF CYLS	1966-86	6	1983-88	6	1990-00	4
BORE & STROKE	(MM)	83.000	100.000	83.000	100.000	86.000	86.000
	(IN)	3.2677	3.9370	3.2677	3.9370	3.3858	3.3858
PISTON HEAD TYPE		59 		59 		22 	
PISTON ASSEMBLY KIT Sizes		6MKRY2719 STD/0.50/1.00		6MKRY2986 STD/0.50/1.00		4MKRY2927 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.2000 @ 34.00		0.0500 @		0.0250 @ 46.80	
COMP HEIGHT	PIN DIA.	48.00	26.000	48.200	26.000	31.60	22.000
LOCKING DEVICE		SC		SC		CC	
RING GROOVE WIDTHS		2.500 2.000 2.000 4.500 4.500		2.500 2.000 4.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY		FSY3268^(1, 2) RSA2719^(1, 2)					
RING SET Sizes Widths		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 PS1538⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500		C1538⁽³⁾ STD/0.50/1.00 2.500 2.000 2.000 4.500 4.500 C1612⁽³⁾ STD 2.500 2.000 2.000 4.500 4.500 C1734⁽³⁾ STD 2.500 2.000 4.500 C1826⁽³⁾ STD 2.500 2.000 4.000		C1834 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

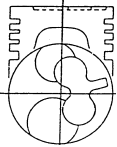
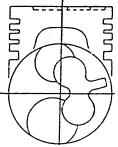
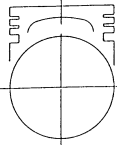
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2719 contains FSY3268 sleeve.
 Liner outer diameter: 87.064mm.
 Flange diameter: 92.985mm.
 Flange depth: N/A
 Flange width: 5.095mm.
 Liner length: 176.000mm.
- (2) RSA2719-SF contains FSY3268-SF semi-finished sleeve.
 Liner outer diameter: 87.076mm.
 Flange diameter: 93.000mm.
 Flange depth: N/A
 Flange width: 5.000mm.
 Liner length: 176.000mm.
- (3) C1538 has a rectangular 'top ring'.
 C1538 suits early models. Later models have 5 rings, the top being 'trapezoidal' (tapered) and is serviced as C1612. The latest versions are 3 ring pistons, the top ring is also 'trapezoidal' and is serviced as C1734 (early 2.5, 2, 4.5mm), C1826 (late 2.5, 2, 4mm), all are 2 cylinder sets except for C1826 which is a 6 cylinder set.



2494cc Navara 4WD TD25	2663cc Cabstar; Navara 4WD; Urvan TD27	4169cc Patrol GQ, Y60 TB42S Petrol
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YEARS	NO. OF CYLS	1987-92	4	1986-on	4	1987-97	6
BORE & STROKE	(MM)	92.900	100.000	96.000	92.000	96.000	96.000
	(IN)	3.5039	3.9370	3.7795	3.6220	3.7795	3.7795
PISTON HEAD TYPE		63 		63 		1 	
PISTON ASSEMBLY KIT		4MKRY2880		4MKRY2881		6MKRY2862	
Sizes		STD		STD		STD/0.50/1.00	
CLEARANCE & POSITION		0.0400 @ 67.00		0.0300 @ 72.00		0.0200 @ 65.00	
(From crown)							
COMP HEIGHT	PIN DIA.	50.30	28.000	50.30	28.000	40.10	23.000
LOCKING DEVICE		CC		CC		SC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.500 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3657^(1, 2) RSA2880^(1, 2)		FSZ3780^(3, 4) RSA2881-SF^(3, 4)			
RING SET		C1779		C1780		M1730	
Sizes		STD		STD		STD/0.50/1.00	
Widths		2.500 2.000 4.000		2.500 2.000 4.000		2.000 2.000 4.000	

LEGEND

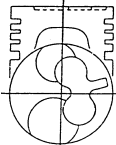
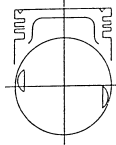
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|---|---|
| <p>(1) RSA2880 contains FSZ3657 sleeve with:
 Liner outer diameter: 95.885mm.
 Flange diameter: 101.854mm.
 Flange depth: N/A
 Flange width: 5.080mm.
 Liner length: 159.890mm.</p> | <p>(3) RSA2881/1 contains FSZ3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.</p> |
| <p>(2) RSA2880-SF contains FSZ3657-SF semi-finished sleeve with:
 Liner outer diameter: 95.885mm.
 Flange diameter: 101.854mm.
 Flange depth: N/A
 Flange width: 5.080mm.
 Liner length: 159.890mm.</p> | <p>(4) RSA2881-SF contains FSZ3780-SF semi-finished sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.</p> |



4169cc Patrol GQ	1982cc Commercial; Fairlady; 2000 Sport	2960cc 300C; 300ZX
TD42 Diesel	U20	VG30E SOHC V6

YEARS	NO. OF CYLS	1987-99	6	1967-on	4	1984-88	6
BORE & STROKE	(MM)	96.000	96.000	87.200	83.000	87.000	83.000
	(IN)	3.7795	3.7795	3.4330	3.2677	3.4251	3.2677
PISTON HEAD TYPE		63 				2 	
PISTON ASSEMBLY KIT Sizes		6MKRY2881⁽³⁾ STD				6MKRY8034 STD/0.50/0.75/1.00 6KRY8034 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 72.00				0.0250 @ 44.80	
COMP HEIGHT	PIN DIA.	50.30	28.000			31.60	21.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		2.500 2.000 4.000				1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY		FSY3780^(1, 2) RSA2881-SF^(1, 2)		3431A 3431B			
RING SET Sizes Widths		C1781 STD 2.500 2.000 4.000				M1849 STD/0.50/0.75/1.00 1.500 1.500 2.800 PS1849 STD/0.50/0.75/1.00 1.500 1.500 2.800	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

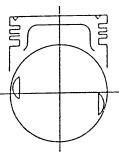
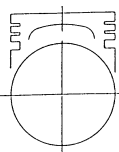
(1) RSA2881/2 contains FSY3780 sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.200mm.
 Liner length: 164.000mm.

(2) RSA2881-SF contains FSY3780-SF semi-finished sleeve with:
 Liner outer diameter: 99.022mm.
 Flange diameter: 104.953mm.
 Flange depth: N/A
 Flange width: 5.100mm.
 Liner length: 160.000mm.

(3) 6/1996-on piston has 30mm pin diameter.



2960cc Maxima; Navara 4WD; Pathfinder VG30I SOHC V6	2960cc Maxima VG30E DOHC V6	1595cc Bluebird; Skyline; Stanza Z16
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YEARS	NO. OF CYLS	1990-97	6	1989-96	6	1979-on	4
BORE & STROKE	(MM)	87.000	83.000	87.000	83.000	83.000	73.700
	(IN)	3.4251	3.2677	3.4251	3.2677	3.2677	2.9015
PISTON HEAD TYPE		2		1			
PISTON ASSEMBLY KIT		6MKRY8035		6MKRY8036			
Sizes		STD/0.50/0.75/1.00		STD/0.50/1.00			
CLEARANCE & POSITION		0.0250 @ 44.80		0.0250 @ 44.80			
(From crown)							
COMP HEIGHT	PIN DIA.	31.60	21.000	31.60	22.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY						3252B	
RING SET		M1849		M1849		C1263	
Sizes		STD/0.50/0.75/1.00		STD/0.50/0.75/1.00		STD/020/040/060	
Widths		1.500 1.500 2.800		1.500 1.500 2.800		2.000 2.000 4.000	
		PS1849		PS1849		PS1263	
		STD/0.50/0.75/1.00		STD/0.50/0.75/1.00		STD/020/040/060	
		1.500 1.500 2.800		1.500 1.500 2.800		2.000 2.000 4.000	

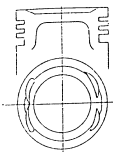
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc Bluebird; Skyline; Stanza Z18	1952cc Bluebird; Navara 4WD; Series 510, 720; Skyline Z20	1952cc Cabstar; Navara 4WD; Urvan Vanette Z20
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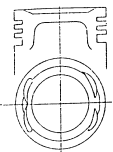
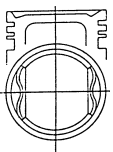
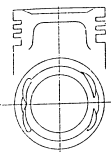
YEARS	NO. OF CYLS	1979-on	4	1981-86	4	1986-94	4
BORE & STROKE	(MM)	85.000	78.000	85.000	86.000	85.000	86.000
	(IN)	3.3464	3.0708	3.3464	3.3858	3.3464	3.3858
PISTON HEAD TYPE				8 			
PISTON ASSEMBLY KIT				4KRY2834 STD/0.50/1.00/1.50 4MKRY2834 STD/0.50/1.00			
SIZES							
CLEARANCE & POSITION				0.0250 @ 46.60			
(From crown)							
COMP HEIGHT	PIN DIA.			31.60	21.000	31.60	21.000
LOCKING DEVICE				AC			
RING GROOVE WIDTHS				1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY		3346B		3346B			
RING SET		M1149		M1615			
SIZES		STD/0.50/1.00/1.50		STD/0.50/1.00			
WIDTHS		2.000 2.000 4.000		1.500 1.500 4.000			
		PS1149		PS1615			
		STD/0.50/0.75/1.00/1.50		STD/0.50/1.00/1.50			
		2.000 2.000 4.000		1.500 1.500 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



		2187cc		2187cc		2389cc	
		Bluebird; Cabstar; King Cab; Series 720; Skyline; 200SX		Cabstar; Series 720		Bluebird; Navara 4WD; Nomad; Pathfinder; Series 720; Skyline; Urvan; Vanette	
		Z22		Z22S		Z24	
YEARS	NO. OF CYLS	1982-87		1982-87		1986-92	
BORE & STROKE	(MM)	87.000	92.000	87.000	92.000	89.000	96.000
	(IN)	3.4251	3.6220	3.4251	3.6220	3.5039	3.7795
PISTON HEAD TYPE		8 		119 		8 	
PISTON ASSEMBLY KIT		4MKRY2820 STD/0.50/1.00		4MKRY2959 STD/0.50/1.00		4MKRY8033 STD/0.50/1.00	
SIZES						4KRY8033 0.50/1.00	
CLEARANCE & POSITION		0.0300 @ 57.00		0.0300 @ 52.00		0.0300 @ 45.70	
COMP HEIGHT	PIN DIA.	31.60	21.000	35.50	21.000	33.85	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		2.000 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY						3500A 3500B	
RING SET		M1715 STD/0.50/1.00 1.500 1.500 4.000		M1715 STD/0.50/1.00 1.500 1.500 4.000		M1749⁽¹⁾ STD/0.50/1.00 2.000 1.500 4.000	
SIZES						PS1749⁽¹⁾ STD/0.50/0.75/1.00 2.000 1.500 4.000	
WIDTHS						M1755⁽¹⁾ STD/0.50/1.00 1.50 1.50 4.00	

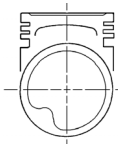
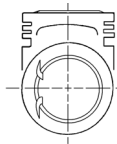
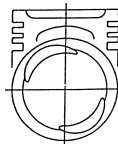
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

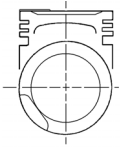
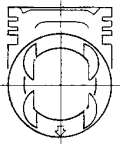
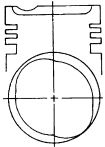
NOTES

- (1) M/PS1749 suits 8033 pistons with 2.00/1.50/4.00mm rings, M1755 suits pistons with 1.50/1.50/4.00mm rings



		1389cc Corsa; Kadett; Astra		1389cc Corsa; Tigra		1598cc Ascona; Kadett; Manta	
		C14NZ 9.4:1		X1.4XE 10.5:1		1.6L 9.2:1	
YEARS	NO. OF CYLS	1988-on	4	1993-on	4	1982-87	4
BORE & STROKE	(MM)	77.600	73.400	77.600	73.400	80.000	79.500
	(IN)	3.0550	2.8900	3.055	2.890	3.1496	3.1299
PISTON HEAD TYPE		227 		234 		179 	
PISTON ASSEMBLY KIT Sizes		4MKRY2969 STD/0.50/1.00		4MKRY2978 STD/0.50/1.00		4KRY2745 STD/0.50/1.00 4MKRY2745 0.50/1.00/1.50	
CLEARANCE & POSITION (From crown)		0.0200 @ 47.20		0.0200 @ 44.00		0.0300 @ 49.00	
COMP HEIGHT	PIN DIA.	32.05	18.000	31.70	18.000	40.00	23.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.750 3.000		1.500 1.750 4.000	
CYLINDER SLEEVE/ASSEMBLY						3150B	
RING SET Sizes Widths		C1892 STD/0.50/1.00 1.500 1.500 3.000		C1892 STD/0.50/1.00 1.500 1.500 3.000		M1663 STD/0.50/0.75 1.500 1.750 4.000 PS1663 STD/0.50/1.00 1.500 1.750 4.000	
LEGEND PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings) RING SET - M (Moly), C (Chrome), PS (Plain) LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)							
NOTES							



	1598cc Corsa; Astra 16NZ, SV, SE	1598cc Corsa; Tigra; Astra; Vectra X1.6XE 10.5:1	1796cc Ascona; Kadett; Manta; Rekord 1.8L 8.2:1
YEARS	9/1987-on	4/1994-on	1982-85
NO. OF CYLS	4	4	4
BORE & STROKE	79.000 81.500 3.110 3.209	79.000 81.500 3.110 3.209	84.800 79.500 3.3385 3.1299
PISTON HEAD TYPE	242  Bowl volume 7.8cc	232 	201 
PISTON ASSEMBLY KIT Sizes	4MKRY2998 STD/0.50/1.00	4MKRY2979 STD/0.50/1.00	4KRY2935⁽¹⁾ STD/0.50/1.00 4MKRY2935⁽¹⁾ 0.50/1.00/1.50
CLEARANCE & POSITION (From crown)	0.02 @ 40.00	0.0200 @ 40.0	0.0200 @ 51.70
COMP HEIGHT PIN DIA.	27.65 18.000	27.65 18.000	39.70 23.000
LOCKING DEVICE	AC	AC	AC
RING GROOVE WIDTHS	1.200 1.500 3.000	1.200 1.500 3.000	1.500 1.750 4.000
CYLINDER SLEEVE/ASSEMBLY			
RING SET Sizes Widths	C1901 STD/0.50/1.00 1.200 1.500 3.000	C1901 STD/0.50/1.00 1.200 1.500 3.000 C1940 STD/0.50 1.200 1.500 2.500	M1680 STD/0.50/0.75 1.500 1.750 4.000 PS1680 STD/0.50/1.00 1.500 1.750 4.000

LEGEND

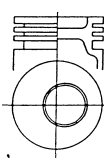
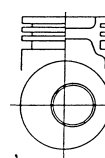
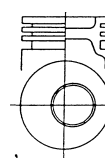
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 2935 superdes 2786.
 2935 is a lowered compression ratio piston and suitable for use in unleaded engines.

Bowl depth = 5mm



		1796cc Ascona; Kadett; Manta C18LE 8.8:1		1796cc Ascona; Manta; Omega; Vectra; Astra (Export) C18NZ 9.2:1		1796cc Omega; Kadett; Ascona (Export) C18SE 10.0:1	
YEARS	NO. OF CYLS	1986-87	4	1986-95	4	1986-on	4
BORE & STROKE	(MM)	84.800	79.500	84.800	79.500	84.800	79.500
	(IN)	3.3385	3.1299	3.3385	3.1299	3.3385	3.1299
PISTON HEAD TYPE		25 		25 		25 	
PISTON ASSEMBLY KIT		Bowl Volume 10.8cc 4KRY2855 STD/0.50/1.00 4MKRY2855 STD/0.50/1.00		Bowl Volume 9.35cc 4KRY2987⁽¹⁾ STD/0.50/1.00 4MKRY2987⁽¹⁾ STD/0.50/1.00		Bowl Volume 4.5cc 4KRY2838(1) STD/0.50/1.00 4MKRY2838(1) STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 45.50		0.0300 @ 45.50		0.0300 @ 45.50	
COMP HEIGHT	PIN DIA.	33.65	21.000	33.65	21.000	33.65	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000		M1731 STD/0.50/1.00 1.500 1.500 3.000 PS1731 STD/0.50/1.00 1.500 1.500 3.000	
	Sizes						
	Widths						

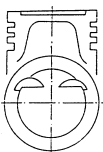
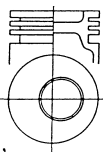
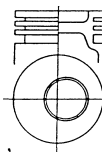
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Made to order item only (export).



		1796cc		1998cc		1998cc	
		Astra; Vectra		Calibra; Kadett; Omega; Vectra; Frontier		Calibra; Kadett; Omega; Vectra (Export)	
		X1.8XE C18SEL		C20LE SOHC 8.8:1		C20NE SOHC 9.2:1	
YEARS	NO. OF CYLS	8/1998-on		1986-on		1991-on	
BORE & STROKE	(MM)	81.600	86.000	86.000	86.000	86.000	86.000
	(IN)	3.2130	3.3860	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		52		25		25	
PISTON ASSEMBLY KIT Sizes							
		Bowl Volume 2cc 4MKRY2990⁽¹⁾ STD/0.50/1.00		Bowl Volume 14.4cc 4MKRY2966⁽²⁾ STD/0.50/1.00 4KRY2966⁽²⁾ STD/0.50/1.00		Bowl Volume 11.3cc 4MKRY2967⁽²⁾ STD/0.50/1.00 4KRY2967⁽²⁾ STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.000 @ 44.00 ⁽¹⁾		0.02 @ 43.40		0.02 @ 43.40	
COMP HEIGHT	PIN DIA.	30.05	21.000	30.40	21.000	30.40	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1906 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000 PS1735 STD/0.50/1.00 1.500 1.500 3.000	

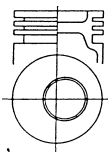
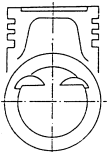
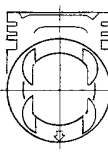
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 4MKRY2990 is a skirt coated piston and runs 0.00 clearance at rib.
 (2) 2966 piston has 14.4cc and 64mm diameter bowl.
 2967 piston has 11.3cc and 57mm diameter bowl.



		1998cc		1998cc		1998cc	
		Calibra; Kadett; Omega; Vectra (Export)		Vectra; Calibra; Omega; Astra		Calibra; Vectra; Kadett; Astra	
		C20SE 10.0:1		X20XE		X20XEV, C20XE	
YEARS	NO. OF CYLS	1993-on		1994-on		1987-92	
BORE & STROKE	(MM)	86.000	86.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3860	3.3860	3.3858	3.3858
PISTON HEAD TYPE		25		52		212	
PISTON ASSEMBLY KIT Sizes		 Bowl Volume 6.3cc 4MKRY2968⁽¹⁾ STD/0.50/1.00 4KRY2968 STD/0.50/1.00		 Bowl Volume 3.1cc 4MKRY2989 STD/0.50/1.00		 4MKRY2976 STD/0.50/1.00	
	CLEARANCE & POSITION (From crown)	0.02 @ 43.40		0.0200 @ 43.40		0.0200 @ 43.40	
	COMP HEIGHT PIN DIA.	30.40	21.000	30.10	21.000	30.50	21.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.500 1.500 3.000		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1735 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000		M1735 STD/0.50/1.00 1.500 1.500 3.000	
		PS1735 STD/0.50/1.00 1.500 1.500 3.000		PS1735 STD/0.50/1.00 1.500 1.500 3.000		PS1735 STD/0.50/1.00 1.500 1.500 3.000	

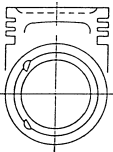
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2968 piston has 6.3cc and 45mm diameter bowl.



		2198cc			
		Vectra			
		C22SEL			
YEARS	NO. OF CYLS	6/1997-on	4		
BORE & STROKE	(MM)	86.000	94.600		
	(IN)	3.3860	3.7240		
PISTON HEAD TYPE		151			
					
		Bowl Volume 17.8cc			
PISTON ASSEMBLY KIT		4MKRY8067			
Sizes		STD/0.50/1.00			
CLEARANCE & POSITION		0.0200 @ 43.40			
(From crown)					
COMP HEIGHT	PIN DIA.	30.40	21.000		
LOCKING DEVICE		AC			
RING GROOVE WIDTHS		1.500 1.500 3.000			
CYLINDER SLEEVE/ASSEMBLY					
RING SET		M1735			
Sizes		STD/0.50/1.00			
Widths		1.500 1.500 3.000			
		PS1735			
		STD/0.50/1.00			
		1.500 1.500 3.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1251cc R10	1564cc R1151; R1152; R1154; R12; R1302; R1312; R1322; R15; R16; R17TS	
1251	807	

YEARS	NO. OF CYLS	1971-75	4	1968-76	4	
BORE & STROKE	(MM)	71.930	74.000	77.000	84.000	
	(IN)	2.8318	2.9133	3.0314	3.3070	
PISTON HEAD TYPE						
PISTON ASSEMBLY KIT						
Sizes						
CLEARANCE & POSITION						
(From crown)						
COMP HEIGHT	PIN DIA.					
LOCKING DEVICE						
RING GROOVE WIDTHS						
CYLINDER SLEEVE/ASSEMBLY						
RING SET		C1505		C1402		
Sizes		STD		STD		
Widths		1.750 2.000 4.000		1.750 2.000 4.000		
				PS1402		
				STD		
				1.750 2.000 4.000		

LEGEND

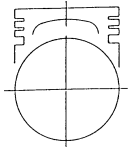
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Rover



1601cc Quintet Honda EP OHC	2286cc Landrover; Landrover 110; Range Rover 3.9; Series 2 2.25L Diesel	2286cc Landrover; Landrover III; Load Carrier; Series III, 2; 109; 110; 80 2.25L Petrol
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YEARS	NO. OF CYLS	1978-81	4	1961-84	4	1962-85	4
BORE & STROKE	(MM)	77.000	86.000	90.487	88.900	90.487	88.900
	(IN)	3.0314	3.3858	3.5625	3.5000	3.5630	3.5000
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						4MKRY2151 030	
CLEARANCE & POSITION (From crown)						.0020 @ 1.37	
COMP HEIGHT	PIN DIA.					2.27	1.000
LOCKING DEVICE						SC	
RING GROOVE WIDTHS						.070 .070 .187	
CYLINDER SLEEVE/ASSEMBLY				3562B		3562B	
RING SET Sizes Widths		M1675 STD/0.50/1.00 1.500 1.500 4.000 PS1675 STD/0.50/1.00 1.500 1.500 4.000		C3170 STD .093 .093 .093 .187 .187		C1040 STD .070 .070 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2286cc

Landrover; Landrover III;
Load Carrier; Series III,
2; 109; 110; 80

2.25L Diesel

2625cc

Landrover; Landrover III;
Series III; 100; 109; 110;
95

2.6L

2995cc

Landrover; Series III;
109; 110; 3 Litre; 95

3.0L

YEARS	NO. OF CYLS	1962-81	4	1959-62	6	1963-84	6
BORE & STROKE	(MM)	90.487	88.900	77.800	92.075	77.787	105.003
	(IN)	3.5625	3.5000	3.0630	3.6250	3.0625	4.1340
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C3170 STD .093 .093 .093 .187 .187		C1089 STD .070 .070 .156		C1089 STD .070 .070 .156	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

Rover



3528cc Landrover III; Range Rover; Range Rover 3.5; 3500	3528cc Range Rover	
3.5L	3528 Carburettor	

YEARS	NO. OF CYLS	1968-85	8	1971-79	8	
BORE & STROKE	(MM)	88.900	71.120	88.900	71.120	
	(IN)	3.5000	2.8000	3.5000	2.8000	
PISTON HEAD TYPE						
PISTON ASSEMBLY KIT Sizes						
CLEARANCE & POSITION (From crown)						
COMP HEIGHT	PIN DIA.					
LOCKING DEVICE						
RING GROOVE WIDTHS						
CYLINDER SLEEVE/ASSEMBLY		3500A 3500B				
RING SET Sizes Widths		M1747 STD .062 .062 .187 C1445 ⁽¹⁾ STD .078 .078 .187		C1445 STD .078 .078 .187		

LEGEND

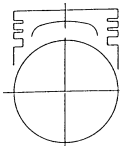
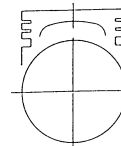
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RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) C1445 suits up to 1976 only.



1361cc Leone 4WD; 1400 EA63	1595cc Leone 4WD; 1300; 1600 Brumby EA71	1781cc Elf; Leone 4WD; 1800 Brumby EA81
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YEARS	NO. OF CYLS	1970-84	4	1969-81	4	1979-84	4
BORE & STROKE	(MM)	85.000	60.000	92.000	60.000	92.000	67.000
	(IN)	3.3464	2.3622	3.6220	2.3622	3.6220	2.6377
PISTON HEAD TYPE				1 	1 		
PISTON ASSEMBLY KIT				4KRY2666	4KRY2666		
Sizes				STD/0.50/1.00	STD/0.50/1.00		
CLEARANCE & POSITION				0.025 @ 55.5	0.025 @ 55.5		
(From crown)							
COMP HEIGHT	PIN DIA.			31.50	21.000	31.50	21.000
LOCKING DEVICE				CC	CC		
RING GROOVE WIDTHS				2.000 2.000 4.000	2.000 2.000 4.000		
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1434		M1761		M1761	
Sizes		STD/0.50		STD/0.50/1.00		STD/0.50/1.00	
Widths		2.000 2.000 4.000		1.200 1.500 4.000		1.200 1.500 4.000	
		PS1434		C1563		C1563	
		STD/0.50/0.75/1.00/1.50		STD/0.50/1.00		STD/0.50/1.00	
		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
				PS1563		PS1563	
				STD/0.50/1.00		STD/0.50/1.00	
				2.000 2.000 4.000		2.000 2.000 4.000	

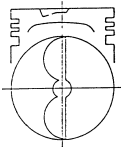
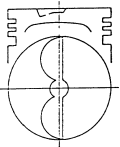
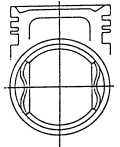
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1781cc Brumby 4WD Brumby; Leone 4WD; 1800	1781cc 1800; Leone, L Series	2212cc Liberty
EA82	EA82 non EFI	EJ22

YEARS	NO. OF CYLS	1984-94	4	1988-90	4	1989-on	4
BORE & STROKE	(MM)	92.000	67.000	92.000	67.000	96.900	75.000
	(IN)	3.6220	2.6377	3.6220	2.6377	3.8149	2.9527
PISTON HEAD TYPE		165 		165 		119 	
PISTON ASSEMBLY KIT		4MKRY7000⁽²⁾ STD/0.50/1.00		4MKRY7000⁽²⁾ STD/0.50/1.00		4MKRY2964⁽¹⁾ STD/0.50/1.00	
Sizes							
		4KRY7000 STD/0.50/1.00		4KRY7000 STD/0.50/1.00			
CLEARANCE & POSITION						0.0300 @ 57.70	
(From crown)							
COMP HEIGHT	PIN DIA.	31.50	21.00	31.50	21.00	32.90	23.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1761 STD/0.50/1.00 1.200 1.500 4.000		M1761 STD/0.50/1.00 1.200 1.500 4.000		C1885 STD/0.50/1.00 1.200 1.500 3.000	
Sizes							
Widths		C1563 STD/0.50/1.00 2.000 2.000 4.000		C1563 STD/0.50/1.00 2.000 2.000 4.000			
		PS1563 STD/0.50/1.00 2.000 2.000 4.000		PS1563 STD/0.50/1.00 2.000 2.000 4.000			

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) 2964 have left handed and right handed pistons.
(2) New item. Check for availability.



1781cc Vortex	1821cc Impreza	
EA82 OHC Turbo	EJ16, EJ18	

YEARS	NO. OF CYLS	1984-92	4	1993-98	4	
BORE & STROKE	(MM)	92.000	67.000	87.9000	75.000	
	(IN)	3.6220	2.6377	3.4610	2.9530	
PISTON HEAD TYPE						
PISTON ASSEMBLY KIT						
Sizes						
CLEARANCE & POSITION						
(From crown)						
COMP HEIGHT	PIN DIA.					
LOCKING DEVICE						
RING GROOVE WIDTHS						
CYLINDER SLEEVE/ASSEMBLY						
RING SET		M1761		C1943		
Sizes		STD/0.50/1.00		STD		
Widths		1.200 1.500 4.000		1.200 1.500 3.000		

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



543cc Fronte; Hatch; Mighty Boy; Series 40 F5AT	797cc Alto; Carry; Hatch; Series 40, 80, 81, 86; Sierra; ST80; ST90; 180; 181 F8A	797cc Hatch; ST80 F8B
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YEARS	NO. OF CYLS	1978-88	3	1978-81	4	1977-91	3
BORE & STROKE	(MM)	62.000	60.000	62.000	66.000	68.500	72.000
	(IN)	2.4409	2.3622	2.4409	2.5984	2.6968	2.8346
PISTON HEAD TYPE		2		2			
PISTON ASSEMBLY KIT		3KRY2863		4KRY2863			
Sizes		0.50/1.00		STD/0.50/1.00			
		3MKRY2863		4MKRY2863			
		STD/0.50/1.00		STD/0.50/1.00			
CLEARANCE & POSITION		0.0200 @ 37.00		0.0200 @ 37.00			
(From crown)							
COMP HEIGHT	PIN DIA.	27.10	16.000	27.10	16.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1778		M1786		M1664	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 2.800	
		PS1778		PS1786			
		STD/0.50/1.00		STD/0.50/1.00			
		1.500 1.500 2.800		1.500 1.500 2.800			

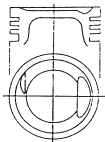
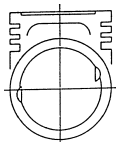
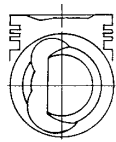
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



970cc Carry Van SK413; Cervo; DA21; Hatch; Jimny; Series 40, 410; Sierra; 2240 F10A	993cc Alto; Cino; Swift G10	993cc Swift; Alto; Cino G10A
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YEARS	NO. OF CYLS	1985-90	4	1984-88	3	1989-95	3
BORE & STROKE	(MM)	65.500	72.000	74.000	77.000	74.000	77.000
	(IN)	2.5787	2.8346	2.9133	3.0314	2.9133	3.0314
PISTON HEAD TYPE		123		181		241	
PISTON ASSEMBLY KIT		4KRY2784		3MKRY2934		3MKRY2993	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
		4MKRY2784		3KRY2934		3KRY2993	
		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
CLEARANCE & POSITION		0.0200 @ 54.00		0.0200 @ 45.30		0.0200 @ 45.70	
(From crown)							
COMP HEIGHT	PIN DIA.	24.10	16.000	28.40	17.000	28.300	17.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1678		C1764		C1764	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		1.500 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	
		PS1678		PS1764		PS1764	
		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
		1.500 1.500 2.800		1.200 1.500 2.800		1.200 1.500 2.800	

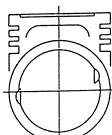
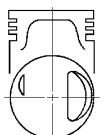
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



993cc Swift G10T Turbo	1324cc Sierra; Swift G13A	1298cc Sierra; Swift G13B SOHC
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YEARS	NO. OF CYLS	1985-on	3	1985-89	4	1989-99	4
BORE & STROKE	(MM)	74.000	77.000	74.000	77.000	74.000	75.500
	(IN)	2.9133	3.0314	2.9133	3.0314	2.9133	2.9724
PISTON HEAD TYPE				181 		215 	
PISTON ASSEMBLY KIT Sizes				4KRY2934 STD/0.50/1.00 4MKRY2934 STD/0.50/1.00		4KRY2929 STD/0.50/1.00 4MKRY2929 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				0.0200 @ 45.00		0.0200 @ 45.80	
COMP HEIGHT	PIN DIA.			28.10	17.000	28.90	17.000
LOCKING DEVICE				AC		AC	
RING GROOVE WIDTHS				1.200 1.500 2.800		1.200 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1764 STD/0.50/1.00 1.200 1.500 2.800 PS1764 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800 PS1770 STD/0.50/1.00 1.200 1.500 2.800		C1770 STD/0.50/1.00 1.200 1.500 2.800 PS1770 STD/0.50/1.00 1.200 1.500 2.800	

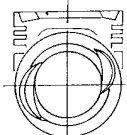
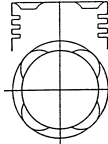
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1298cc Swift G13B DOHC	1590cc Vitara SE416 G16A SOHC	1590cc Baleno; Swift; Vitara G16B SOHC 16 Valve EFI
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YEARS	NO. OF CYLS	1986-91	4	1988-94	4	1989-98	4
BORE & STROKE	(MM)	74.000	75.500	75.000	90.000	75.000	90.000
	(IN)	2.9133	2.9724	2.9527	3.5433	2.9527	3.5433
PISTON HEAD TYPE				219 	114 		
PISTON ASSEMBLY KIT Sizes				4MKRY2928 STD/0.50/1.00	4MKRY2962 STD/0.50/1.00		
CLEARANCE & POSITION (From crown)				0.0200 @ 48.00	0.0300 @ 53.00		
COMP HEIGHT	PIN DIA.			28.10	19.000	28.55	19.000
LOCKING DEVICE				CC	CC		
RING GROOVE WIDTHS				1.200 1.500 2.800	1.200 1.500 2.800		
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1770 STD/0.50/1.00 1.200 1.500 2.800		C1835 STD/0.50/1.00 1.200 1.500 2.800		C1835 STD/0.50/1.00 1.200 1.500 2.800	
		PS1770 STD/0.50/1.00 1.200 1.500 2.800				C1928 STD 1.200 1.200 2.500	
		C1930 STD 1.200 1.200 2.500					

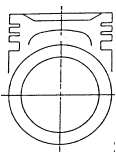
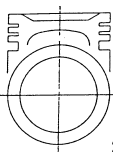
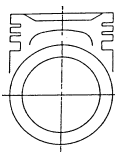
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1891cc Corona, 1900	3794cc Lexcen	3794cc Lexcen
Holden 1.9L Starfire	Holden 3.8L V6	Holden 3.8L V6

YEARS	NO. OF CYLS	1978-85	4	1988-94	6	1994-95	6
BORE & STROKE	(MM)	88.900	76.200	96.520	86.360	96.520	86.360
	(IN)	3.5000	3.0000	3.8000	3.4000	3.8000	3.4000
PISTON HEAD TYPE		22 		22 		22 	
PISTON ASSEMBLY KIT		4KRY2505 STD/020/030/040/060		6KRY3800 STD/020/040 6MKRY3800 STD/020/040		6MKRY3801 STD/020/040	
Sizes							
CLEARANCE & POSITION		.0015 @ 1.12		.0005 @ 1.73		.0005 @ 1.78	
(From crown)							
COMP HEIGHT	PIN DIA.	1.78	.866	1.39	.906	1.44	.906
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		.078 .078 .187		.059 .059 .118		.047 .059 .118	
CYLINDER SLEEVE/ASSEMBLY		3500A 3500B					
RING SET		M1576 STD/020/030/040/060 .078 .078 .187 PS1576 STD/020/030/040/060 .078 .078 .187		M1727 STD/020/040 .059 .059 .118 M9095⁽¹⁾ 005 .059 .059 .118 M9100⁽²⁾ 005 .059 .059 .118 PS1727 STD/020/040 .059 .059 .118		M1812 STD/020/040 .047 .059 .118	
Sizes							
Widths							

LEGEND

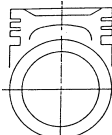
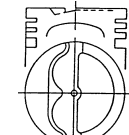
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M9095 ring set used in the Formula Brabham racing class and M9095 is a file back ring set.
(2) M9100 is a file back ring set.



3794cc Lexcen	1452cc Carina; Corolla; Corsa; Sprinter; Tercel	1298cc Corolla, AE80
Holden 3.8L V6	1A, 1AC	2A, 2ALC

YEARS	NO. OF CYLS	1995-97	6	1978-80	4	1985-89	4
BORE & STROKE	(MM)	96.520	86.360	77.500	77.000	76.000	71.400
	(IN)	3.8000	3.4000	3.0511	3.0314	2.9921	2.8110
PISTON HEAD TYPE		22  Bowl Volume 7.5cc				154 	
PISTON ASSEMBLY KIT Sizes		6MKRY3802 STD/020/040				4MKRY2949 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		.0005 @ 1.79				0.0200 @ 49.80	
COMP HEIGHT	PIN DIA.	1.08	.866			33.50	18.000
LOCKING DEVICE		CC				AC	
RING GROOVE WIDTHS		.047 .059 .118				2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1812⁽¹⁾ STD/020/040 .047 .059 .118		C1673 STD/0.50/1.00 1.500 1.500 2.800 PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		C1836 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

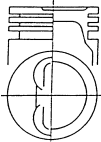
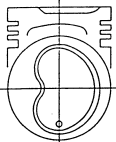
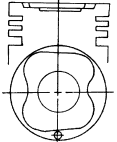
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1812 ring set suits ACL piston only.
 ACL piston for this model has been designed to incorporate a 3mm wide oil ring. Original pistons use a 2mm wide oil ring.



1453cc Corolla; Corsa; Sprinter; Tercel ; 1500	1587cc Carina; Corolla; Sprinter	1587cc Corolla, AE95
3AC	4A, 4AC, 4ALC	4AFC DOHC 16 Valve

YEARS	NO. OF CYLS	1983-88	4	1983-88	4	1989-91	4
BORE & STROKE	(MM)	77.500	77.000	81.000	77.000	81.000	77.000
	(IN)	3.0511	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		67 		173 		204 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 12cc 4MKRY8052 STD/0.50/1.00 4KRY8052 STD/0.50/0.75/1.00		Bowl Volume 8.2cc 4KRY8019⁽¹⁾ STD/0.50/1.00 4MKRY8019⁽¹⁾ STD/0.50/1.00		Bowl Volume 9.6cc 4KRY8003 STD/0.50/1.00 4MKRY8003 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 46.00		0.0300 @ 46.00		0.0300 @ 46.00	
COMP HEIGHT	PIN DIA.	30.70	18.000	30.40	18.000	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 2.800		1.500 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1673 STD/0.50/1.00 1.500 1.500 2.800 PS1673 STD/0.50/0.75/1.00 1.500 1.500 2.800		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800		C1805 STD/0.50/1.00 1.500 1.500 3.000 PS1805 STD/0.50/1.00 1.500 1.500 3.000	

LEGEND

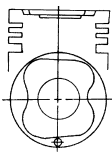
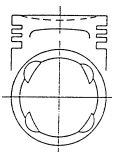
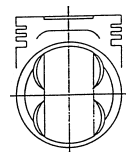
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) Piston 8019 supersedes 2815.



1587cc Corolla, AE101	1587cc Corolla, AE95	1587cc Corolla, MR2
4AFE DOHC 16 Valve	4AFE DOHC 16 Valve	4AGE DOHC 16 Valve

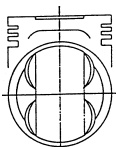
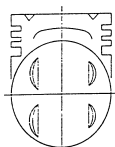
YEARS	NO. OF CYLS	1991-92	4	1992-98	4	1986-87	4
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	81.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		204 		148 		194 	
PISTON ASSEMBLY KIT		Bowl Volume 9.6cc 4KRY8003 STD/0.50/1.00 4MKRY8003 STD/0.50/1.00		Bowl Volume 7.3cc 4MKRY8058 STD/0.50/1.00		Bowl Volume 8.6cc 4KRY8018 STD/0.50/1.00 4MKRY8018 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0300 @ 46.00		0.0200 @ 42.50		0.0300 @ 50.00	
(From crown)							
COMP HEIGHT	PIN DIA.	30.40	18.000	30.20	20.015	30.40	18.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 3.000		1.200 1.500 3.000		1.500 1.500 2.800	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1805 STD/0.50/1.00 1.500 1.500 3.000 PS1805 STD/0.50/1.00 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800	
Sizes							
Widths							

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



		1587cc		1587cc		1587cc	
		Corolla; MR2		Corolla		Celica; Corolla; Corona	
		4AGE DOHC 16 Valve		4AGE DOHC 16 Valve		4AGZE DOHC 16 Valve	
YEARS	NO. OF CYLS	1987-89	4	1989-91	4	1987-89	4
BORE & STROKE	(MM)	81.000	77.000	81.000	77.000	81.000	77.000
	(IN)	3.1889	3.0314	3.1889	3.0314	3.1889	3.0314
PISTON HEAD TYPE		194  Bowl Volume 8.6cc		192 			
PISTON ASSEMBLY KIT		4KRY8007 STD/0.50/1.00 4MKRY8007 STD/0.50/1.00		4MKRY8011⁽¹⁾ STD/0.50/1.00			
SIZES							
CLEARANCE & POSITION		0.0300 @ 50.00		0.0300 @ 50.00			
(From crown)							
COMP HEIGHT	PIN DIA.	30.40	20.000	30.40	20.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 2.800		1.200 1.500 2.800			
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800		C1806 STD/0.50/1.00 1.200 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800 PS1806 STD/0.50/1.00 1.200 1.500 2.800		C1741 STD/0.50/1.00 1.500 1.500 2.800 PS1741 STD/0.50/1.00 1.500 1.500 2.800	
SIZES							
WIDTHS							

LEGEND

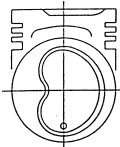
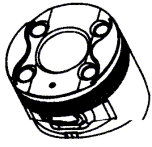
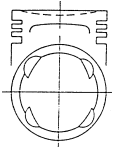
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽¹⁾ Original piston has a dome. ACL 8011 piston is flat as it has been lowered for compression.



1587cc Corolla	1397cc Corolla	1762cc Corolla, AE102
4ALC OHC	6A, 6AFC	7A, 7AFE DOHC 16 Valve

YEARS	NO. OF CYLS	1986-89	4	6-1989-11/92	4	1994-on	4
BORE & STROKE	(MM)	81.000	77.000	76.000	77.000	81.000	85.500
	(IN)	3.1889	3.0314	2.9921	3.0314	3.1889	3.3661
PISTON HEAD TYPE		173 		237 		148 	
PISTON ASSEMBLY KIT Sizes		Bowl Volume 8.2cc 4KRY8019⁽¹⁾ STD/0.50/1.00 4MKRY8019⁽¹⁾ STD/0.50/1.00		4MKRY2985 STD/0.50/1.00 4MKRY2985 STD/0.50/1.00		Bowl Volume 13.6cc 4MKRY8059 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0300 @ 46.00		0.0300 @ 50.00		0.0200 @ 42.50	
COMP HEIGHT	PIN DIA.	30.40	18.000	30.10		30.20	20.015
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 2.800		1.500 1.500 3.000		1.200 1.500 3.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1741⁽²⁾ STD/0.50/1.00 1.500 1.500 2.800 C1805⁽²⁾ STD/0.50/1.00 1.500 1.500 3.000 PS1741⁽²⁾ STD/0.50/1.00 1.500 1.500 2.800		C1859 STD/0.50/1.00 1.500 1.500 3.000		C1860 STD/0.50/1.00 1.200 1.500 3.000	

LEGEND

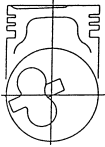
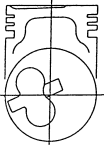
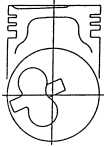
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) Piston 8019 supersedes 2815.
- (2) C1741 suits 2815 piston and has 1.5, 1.5, 2.80mm rings. Some engines use 1.5, 1.5, 3.00mm rings and are serviced by C1805 ring set.



2977cc Coaster; Dyna; Landcruiser, BJ	3168cc Coaster, BB; Dyna; Landcruiser	3431cc Coaster, BB; Dyna, BU; Landcruiser, BJ
B Diesel	2B Diesel	3B Diesel

YEARS	NO. OF CYLS	1972-88	4	1977-84	4	1980-88	4
BORE & STROKE	(MM)	95.000	105.000	98.000	105.000	102.000	105.000
	(IN)	3.7401	4.1338	3.8582	4.1338	4.0157	4.1338
PISTON HEAD TYPE		62 		62 		62 	
PISTON ASSEMBLY KIT		4MKRY2810		4MKRY2811		4MKRY2812	
Sizes		STD/0.50/1.00		STD		STD	
CLEARANCE & POSITION		0.1000 @ 89.00		0.1300 @ 89.30		0.0100 @ 100.00	
(From crown)							
COMP HEIGHT	PIN DIA.	52.20	29.000	52.20	29.000	52.20	32.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.500 4.500		2.000 2.500 4.500		2.500 2.500 4.500	
CYLINDER SLEEVE/ASSEMBLY		FSV3740-SF⁽¹⁾ RSA2810/1⁽¹⁾		FSZ3858⁽³⁾ RSA2811⁽³⁾		FSZ4016-SF⁽⁴⁾ RSA2812-SF⁽⁴⁾	
RING SET		C1650⁽²⁾				C1709	
Sizes		STD				STD	
Widths		2.500 2.500 2.500 4.500				2.500 2.500 4.500	
		C1712					
		STD/0.50/1.00					
		2.500 2.500 4.500					

LEGEND

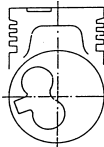
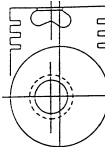
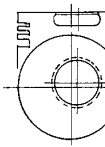
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- | | |
|--|--|
| <p>(1) RSA2810/1 & FSZ3740 102mm O.D.
 RSA2810/1-SF & FSZ3740-SF 102mm O.D.
 RSA2810/2-SF & FSX3740R-SF 100mm O.D.
 RSA2810/3-SF & FSV3740-SF 99mm O.D.
 For further tech info refer back of catalogue.</p> <p>(2) C1650 suits pistons with 3 compression rings. C1712 suits later model pistons as well as 2810 pistons</p> <p>(3) RSA2811 contains FSZ3858 sleeve
 RSA2811-SF contains FSZ3858-SF semi-finished sleeve with:</p> | <p>Liner outer diameter: 102.040mm.
 Flange diameter: 107.675mm.
 Flange depth: 1.250mm.
 Flange width: 2.535mm.
 Liner length: 189.800mm.</p> <p>(4) RSA2812-SF contains FSZ4016-SF semi-finished sleeve with:
 Liner outer diameter: 106.045mm.
 Flange diameter: 111.675mm.
 Flange depth: 1.200mm.
 Flange width: 2.525mm.
 Liner length: 184.000mm.</p> |
|--|--|



3431cc Dyna	3431cc Coaster; Dyna; Landcruiser	3660cc Toyo Ace; Dyna
3B Diesel	13B Diesel	14B

YEARS	NO. OF CYLS	1988-on	4	1984-88	4	1988-95	4
BORE & STROKE	(MM)	102.000	105.000	102.000	105.000	102.000	112.000
	(IN)	4.0157	4.1338	4.0157	4.1338	4.0157	4.4094
PISTON HEAD TYPE		95 		112 		216 	
PISTON ASSEMBLY KIT		4MKRY2955		4MKRY2910		4MKRY2948	
Sizes		STD/0.50/1.00		STD		0.50/1.00	
CLEARANCE & POSITION		0.0900 @ 95.00		0.0650 @ 80.00		0.0700 @ 81.00	
(From crown)							
COMP HEIGHT	PIN DIA.	55.25	32.000	63.40	34.000	51.70	32.000
LOCKING DEVICE		SC		SC		CC	
RING GROOVE WIDTHS		2.500 2.000 4.000		2.500 2.500 4.500		2.500 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ4016-SF		FSZ4016-SF⁽³⁾ RSA2910-SF⁽³⁾			
RING SET		C1709		C1820		C1877	
Sizes		STD		STD		STD/0.50/1.00	
Widths		2.500 2.500 4.500		2.500 2.500 4.500		2.500 2.000 4.000	
		C1877⁽²⁾					
		STD/0.50/1.00					
		2.500 2.000 4.000					

LEGEND

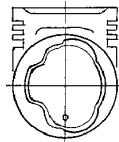
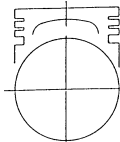
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (2) C1877 ring set suits 2955 piston.
- (3) RSA2910-SF contains FSZ4016-SF semi-finished sleeve with:
- Liner outer diameter: 106.045mm.
 - Flange diameter: 111.675mm.
 - Flange depth: 1.200mm.
 - Flange width: 2.525mm.
 - Liner length: 184.000mm.



1839cc Lite Ace 1C Diesel	1456cc Carina; Corolla; Sprinter; Tercel 3E	3878cc Landcruiser, FJ F
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YEARS	NO. OF CYLS	1982-90	4	1986-89	4	1954-75	6
BORE & STROKE	(MM)	83.000	85.000	73.000	87.000	90.000	101.600
	(IN)	3.2677	3.3464	2.8740	3.4251	3.5433	4.0000
PISTON HEAD TYPE				233 	1 		
PISTON ASSEMBLY KIT				4KRY8004	6KRY2638		
Sizes				STD/0.50/0.75/1.00	STD/0.50/1.00/1.50		
CLEARANCE & POSITION				0.0200 @ 46.00	0.0800 @ 32.00		
(From crown)							
COMP HEIGHT	PIN DIA.			29.85	18.000	47.00	25.150
LOCKING DEVICE				AC	AC		
RING GROOVE WIDTHS				1.500 1.500 3.000	2.000 2.500 4.000 4.000		
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1789		C1808		C1542	
Sizes		STD/0.50/1.00		STD/0.50/1.00		STD/0.50/1.00	
Widths		2.000 2.000 4.000		1.500 1.500 3.000		2.000 2.500 4.000 4.000	
				PS1808		C1556	
				STD/0.50/0.75/1.00		STD/040	
				1.500 1.500 3.000		3.000 3.000 4.000 4.000	
						PS1542	
						STD/0.50/1.00	
						2.000 2.500 4.000 4.000	

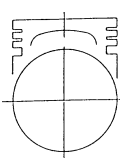
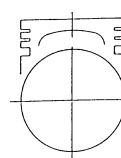
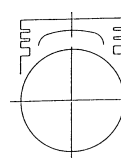
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



4230cc Landcruiser, FJ 2F	3955cc Landcruiser, FJ 3F	3955cc Landcruiser 3FE
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YEARS	NO. OF CYLS	1975-83	6	1984-89	6	1988-92	6
BORE & STROKE	(MM)	94.000	101.600	94.000	95.000	94.000	95.000
	(IN)	3.7007	4.0000	3.7007	3.7401	3.7007	3.7401
PISTON HEAD TYPE		1 		1 		1 	
PISTON ASSEMBLY KIT Sizes		6KRY2648 STD/0.50/0.75/1.00/1.50 6MKRY2648 STD		6MKRY2822 STD/0.50/1.00 6KRY2822 0.50/1.00		6MKRY2822 STD/0.50/1.00 6KRY2822 0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0500 @ 28.00		0.0300 @ 60.00		0.0300 @ 60.00	
COMP HEIGHT	PIN DIA.	47.17	25.150	37.2	22.000	37.2	22.000
LOCKING DEVICE		AC		CC		CC	
RING GROOVE WIDTHS		2.000 2.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3687B		3687B		3687B	
RING SET Sizes Widths		C1546 STD/0.50/0.75/1.00/1.50 2.000 2.500 4.000 PS1546 STD/0.50/0.75/1.00/1.50 2.000 2.500 4.000		M1798 STD/0.50/1.00 1.500 1.500 4.000 PS1798 STD/0.50/1.00 1.500 1.500 4.000		C1822 STD 2.000 2.000 4.000	

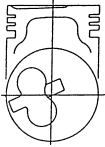
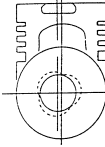
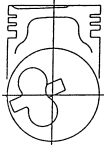
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



3576cc Dyna; Landcruiser, HJ	4164cc Coaster; Landcruiser	4164cc Coaster; Landcruiser
H Diesel	1HDT Diesel	1HZ Diesel

YEARS	NO. OF CYLS	1972-81	6	1988-7/92	6	1988-98	6
BORE & STROKE	(MM)	88.000	98.000	94.000	100.000	94.000	100.000
	(IN)	3.4645	3.8582	3.7010	3.9370	3.7010	3.9370
PISTON HEAD TYPE		62 		108 		62 	
PISTON ASSEMBLY KIT		6MKRY2728⁽¹⁾ 0.50/0.75/1.00		6MKRY2980⁽³⁾ STD/0.50/1.00		6MKRY2939 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0500 @ 82.00		0.0400 @ 70.700		0.0400 @ 70.60	
(From crown)							
COMP HEIGHT	PIN DIA.	52.20	27.000	49.70	33.000	43.60	29.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.500 2.500 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1648⁽²⁾ STD/0.50/1.00 2.500 2.500 4.000		C1784 STD/0.50/1.00 2.000 2.000 4.000		C1784 STD/0.50/1.00 2.000 2.000 4.000	
Sizes							
Widths							
		C1752⁽²⁾ STD 2.500 2.500 2.500 4.000 4.000					

LEGEND

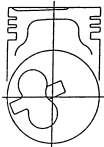
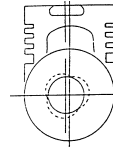
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) L and R pistons are left hand and right hand.
L equals cylinders 1, 2, 4. R equals cylinders 3, 5, 6.
- (2) C1752 suits 5 ring piston. C1753 suits 4 ring piston, C1648 suits 2728A/B are 3 ring pistons.
- (3) 8/1992-on uses different piston which is currently not available.



3980cc Dyna; Landcruiser, HJ	3980cc Coaster, HB; Landcruiser	3980cc Coaster; Landcruiser
2H Diesel	2H Diesel	12HT Turbo Diesel

YEARS	NO. OF CYLS	1979-84	6	1984-91	6	1986-90	6
BORE & STROKE	(MM)	91.000	102.000	91.000	102.000	91.000	102.000
	(IN)	3.5826	4.0157	3.5826	4.0157	3.5826	4.0157
PISTON HEAD TYPE		62 				108 	
PISTON ASSEMBLY KIT Sizes		6MKRY2727⁽¹⁾ STD/0.50/1.00				6MKRY2947 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0800 @ 75.00				0.05 @ 76.3	
COMP HEIGHT	PIN DIA.	52.20	29.000			56.3	32.000
LOCKING DEVICE		SC				CC	
RING GROOVE WIDTHS		2.500 2.500 4.000				2.500 2.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSZ3583^(2, 3)	RSA2727^(2, 3)				
RING SET Sizes Widths		C1647⁽⁴⁾ STD/0.50/1.00 2.500 2.500 4.000 C1754⁽⁴⁾ STD 2.500 2.500 2.000 4.000		C1647 STD/0.50/1.00 2.500 2.500 4.000		C1842 STD/0.50/1.00 2.500 2.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

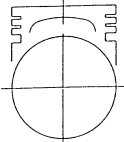
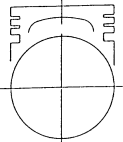
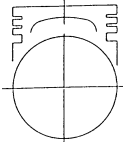
NOTES

- (1) Engines from 8/80-3/82 use a piston with a 27mm pin diameter. The RY2727 suits 4/82-11/84 and has a 29mm pin diameter.
- (2) RSA272 7 contains FSZ3583 sleeve.
 Flange diameter: 100.80mm.
 Flange width: 1.20mm.
 Flange depth: 2.545mm.
 Liner outer diameter: 95.065mm.
 Liner length: 183.50mm.

- (3) RSA2727-SF contains FSX3583R-SF semi-finished sleeve.
 Flange diameter: 100.762mm.
 Flange width: 2.591mm.
 Flange depth: 1.250mm.
- (4) C1754R suits 4 ring piston, C1647 suits RY2727 which is a 3 ring piston.



1077cc Corolla	1166cc Corolla; Lite Ace	1290cc Corolla; Lite Ace, TM
K	3K	4K

YEARS	NO. OF CYLS	1966-70	4	1970-83	4	1970-85	4
BORE & STROKE	(MM)	75.000	61.000	75.000	66.000	75.000	73.000
	(IN)	2.9527	2.4015	2.9527	2.5984	2.9527	2.8740
PISTON HEAD TYPE		1 		1 		1 	
PISTON ASSEMBLY KIT Sizes		4KRY2509 STD/020/040/060 4MKRY2509 STD		4KRY2509 STD/020/040/060 4MKRY2509 STD		4KRY2509 STD/020/040/060 4MKRY2509 STD	
CLEARANCE & POSITION (From crown)		0.0400 @ 62.50		0.0400 @ 62.50		0.0400 @ 62.50	
COMP HEIGHT	PIN DIA.	35.48	18.000	35.48	18.000	35.48	18.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		2952A 2952B		2952A 2952B		2952A 2952B	
RING SET Sizes Widths		C1247 STD/040/060 2.000 2.000 4.000 PS1247 STD/020/040/060 2.000 2.000 4.000		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000 C1539⁽¹⁾ STD 2.000 2.000 4.000 PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1539 STD 2.000 2.000 4.000		C1247⁽¹⁾ STD/040/060 2.000 2.000 4.000 C1539⁽¹⁾ STD 2.000 2.000 4.000 PS1247⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1539⁽¹⁾ STD 2.000 2.000 4.000	C1843 STD/0.50 1.500 1.500 4.000 PS1843 STD/0.50/1.00 1.500 1.500 4.000

LEGEND

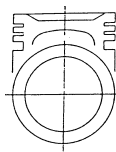
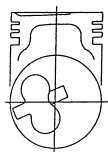
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C1539/PS1539 suits original pistons with less radial depth on oil groove. These sets contain 2.0,2.0,4.0mm ring configurations. Some late models use 1.5,1.5,4.00mm on original pistons. For these applications use C1843-STD. C/PS1539 has 3.5mm radial depth oil ring. C/PS1247 has 4.0mm radial depth oil ring.



1486cc Corolla; Corona; Lite Ace 5K	1486cc Corolla; Corona; Lite Ace KM 5K	2188cc Blizzard; Hi-Ace LH; Hi-Ace-SBV; Hi-Lux; Toyo Ace, LY L Diesel
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YEARS	NO. OF CYLS	1983-86	4	1986-88	4	1977-83	4
BORE & STROKE	(MM)	80.500	73.000	80.500	73.000	90.000	86.000
	(IN)	3.1692	2.8740	3.1692	2.8740	3.5433	3.3858
PISTON HEAD TYPE				22 		62 	
PISTON ASSEMBLY KIT Sizes				4KRY2892 STD/0.50/1.00 4MKRY2892 STD/0.50/1.00		4MKRY2732 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				0.0200 @ 53.80		0.0500 @ 77.00	
COMP HEIGHT	PIN DIA.			35.60	18.000	52.20	27.000
LOCKING DEVICE				CC		CC	
RING GROOVE WIDTHS				1.500 1.500 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY						FSZ3543-S	
RING SET Sizes Widths		M1736 STD/0.50/1.00 1.500 1.500 4.000 PS1736 STD/0.50/1.00 1.500 1.500 4.000		M1736 STD/0.50/1.00 1.500 1.500 4.000 PS1736 STD/0.50/1.00 1.500 1.500 4.000		M1751⁽¹⁾ STD 2.500 2.000 4.000 C1652⁽¹⁾ STD/0.50/0.75/1.00 2.000 2.000 4.000	

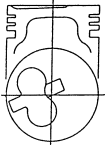
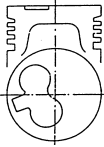
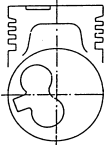
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1751 suits 1977-81, parallel sided top ring.
C1652 and piston 2732 has a trapezoidal top ring.



		2446cc		2446cc		2446cc	
		Bundera; Dyna; Hi-Ace LH; Hi-Ace-SBV; Hi-Lux, LN; Landcruiser; Toyo Ace; 4-Runner		Hilux; Dyna; Bundera		Hi-Ace-SBV; Hi-Lux Landcruiser	
		2L Diesel		2LII Diesel		2LTurbo Diesel	
YEARS	NO. OF CYLS	1982-88	4	1988-91	4	1983-88	4
BORE & STROKE	(MM)	92.000	92.000	94.000		92.000	92.000
	(IN)	3.6220	3.6220	3.7007		3.6220	3.6220
PISTON HEAD TYPE		62		95		95	
PISTON ASSEMBLY KIT Sizes		4MKRY2813 STD/0.50/1.00		4MKRY2981 0.50/1.00		4MKRY2982 0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0600 @ 63.00		0.0500 @ 70.30		0.0400 @ 70.30	
COMP HEIGHT	PIN DIA.	49.20	27.000	44.30	27.000	44.30	29.00
LOCKING DEVICE		SC		SC		SC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		FSW3622-SF^(1, 2) RSA2813⁽²⁾		FSW3622-SF⁽¹⁾		FSW3622-SF⁽¹⁾	
RING SET Sizes Widths		C1710 STD/0.50/1.00 2.000 2.000 4.000		C1900 STD/0.50/1.00 2.000 2.000 4.000		C1900 STD/0.50/1.00 2.000 2.000 4.000	

LEGEND

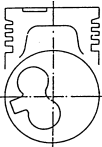
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) FSW3622-SF is a flanged sleeve.
3625B is a universal type parallel non-flanged sleeve and can be used instead of flanged sleeve where counter boring of block is not desired.
- (2) RSA2813-SF contains PSW3622-SF semi-finished sleeve with:
 Liner outer diameter: 96.075mm.
 Flange diameter: N/A plain sleeve
 Flange depth: N/A
 Flange width: N/A
 Liner length: 179.000mm.



2446cc Hi-Ace-SBV; Hi-Lux; Landcruiser	2780cc Dyna; Hi-Lux, LN; Toyo Ace; 4-Runner	1988cc Corona 2000; Crown; Starlet
2LII Turbo Diesel	3L Diesel	M

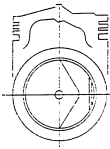
YEARS	NO. OF CYLS	1988-91	4	1988-on	4	1965-74	6
BORE & STROKE	(MM)	92.000	92.000	96.000	96.000	75.000	75.000
	(IN)	3.6220	3.6220	3.7795	3.7795	2.9527	2.9527
PISTON HEAD TYPE		95 		95 			
PISTON ASSEMBLY KIT Sizes		4MKRY2982 STD/0.50/1.00		4MKRY2884⁽²⁾ STD/0.50/1.00			
CLEARANCE & POSITION (From crown)		0.0400 @ 70.30		0.0500 @ 70.30			
COMP HEIGHT	PIN DIA.	44.30	29.000	42.30	29.000		
LOCKING DEVICE		SC		CC			
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000			
CYLINDER SLEEVE/ASSEMBLY		FSW3622-SF⁽¹⁾		FSX3780-SF⁽¹⁾RSA2884-SF^(1, 2)		2952A 2952B	
RING SET Sizes Widths		C1900 STD/0.50/1.00 2.000 2.000 4.000		C1785 STD/0.50/1.00 2.000 2.000 4.000		C1246 040/060 2.000 2.000 4.000 PS1246 STD 2.000 2.000 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) RSA2884-SF contains FSX3780R-SF sleeve with:
 Liner outer diameter: 100.088mm.
 Flange diameter: 104.775mm.
 Flange depth: N/A
 Flange width: 3.515mm.
 Liner length: 180.000mm.
- (2) Contains armoured (Alfin) top ring groove.

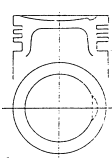
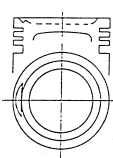
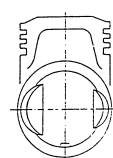
YEARS	NO. OF CYLS	1965-75	6	1965-84	6	1971-77	6
BORE & STROKE	(MM) (IN)	75.000 2.9527	85.000 3.3464	75.000 2.9527	75.000 2.9527	80.000 3.1496	85.000 3.3464
PISTON HEAD TYPE						45 	
PISTON ASSEMBLY KIT Sizes						6KRY2527 STD/020/030/040/060	
CLEARANCE & POSITION (From crown)						.0020 @ .87	
COMP HEIGHT		PIN DIA.				1.29 .866	
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						2.0 2.0 4.0	
CYLINDER SLEEVE/ASSEMBLY				2952A 2952B			
RING SET Sizes Widths		C1246 040/060 2.000 2.000 4.000 PS1246 STD 2.000 2.000 4.000		C1246 040/060 2.000 2.000 4.000 PS1246 STD 2.000 2.000 4.000		M1370 STD 2.000 2.000 4.000 C1370 020/040/060 2.000 2.000 4.000 PS1370 STD/020/030/040/060 2.000 2.000 4.000	

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2563cc Cressida; Crown	2759cc Celica; Cressida; Crown; MX73; Supra	2759cc Celica; Cressida; Crown; MX73
4M	5M, 5ME	5MGE DOHC

YEARS	NO. OF CYLS	1977-83	6	1979-84	6	1985-88	6
BORE & STROKE	(MM)	80.000	85.000	83.000	85.000	83.000	85.000
	(IN)	3.1496	3.3464	3.2677	3.3464	3.2677	3.3464
PISTON HEAD TYPE		125 		152 		85 	
PISTON ASSEMBLY KIT		6KRY2686 STD/0.50/1.00/1.50		6KRY2733 STD/0.50/1.00/1.50		6MKRY2954 STD/0.50/1.00	
Sizes		6MKRY2686 STD/0.50/1.00		6MKRY2733 STD/0.50/1.00			
CLEARANCE & POSITION		0.0400 @ 22.00		0.0400 @ 23.00		0.0200 @ 47.20	
(From crown)							
COMP HEIGHT	PIN DIA.	32.50	22.000	32.60	22.000	32.70	22.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		2.000 2.000 4.000		2.000 2.000 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		M1370 STD 2.000 2.000 4.000		PS366 STD/0.50/1.00 2.000 2.000 4.000		C1839 STD/0.50/1.00 1.500 1.500 4.000	
Sizes		C1370 020/040/060 2.000 2.000 4.000		C366 STD/0.50/1.00 2.000 2.000 4.000			
Widths		PS1370 STD/020/030/040/060 2.000 2.000 4.000					

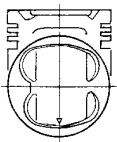
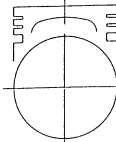
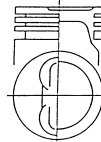
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2954cc Cressida; Crown; Supra 7MGE	1490cc Corona; Crown; Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN; Toyo Ace; 1500 2R	2438cc Hi-Ace-SBV 2RZ, 2RZ-E
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YEARS	NO. OF CYLS	1988-92	6	1964-71	4	1989-on	4
BORE & STROKE	(MM)	83.000	91.000	78.000	78.000	95.000	86.000
	(IN)	3.2677	3.5826	3.0708	3.0708	3.7401	3.3858
PISTON HEAD TYPE		214 		1 		67 	
PISTON ASSEMBLY KIT		6MKRY2953 STD/0.50/1.00		4MKRY2296 STD/030/040/060		4MKRY2946 STD/0.50/1.00	
Sizes							
CLEARANCE & POSITION		0.0300 @ 61.00		0.0380 @ 24.00		0.0200 @ 48.00	
(From crown)							
COMP HEIGHT	PIN DIA.	32.50	22.000	38.40	20.000	35.20	24.000
LOCKING DEVICE		CC		CC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.500 4.000		1.750 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY							
RING SET		C1839 STD/0.50/1.00 1.500 1.500 4.000		C1194 STD/040 2.000 2.500 4.000 PS1194 STD/030/040/060 2.000 2.500 4.000		C1861 STD/0.50/1.00 1.750 1.500 4.000	
Sizes							
Widths							

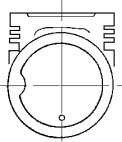
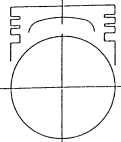
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2693cc Hi-Ace; Hi-Lux; Prado	1994cc Coaster; Crown; Dyna, BU; Stout; Toyo Ace, RY, YY	1707cc Corona
3RZFE	5R	6R

YEARS	NO. OF CYLS	7/1996-on	4	1968-83	4	1968-81	4
BORE & STROKE	(MM)	95.000	95.000	88.000	82.000	86.000	73.500
	(IN)	3.7400	3.7400	3.4645	3.2283	3.3858	2.8937
PISTON HEAD TYPE		245 		1 			
PISTON ASSEMBLY KIT Sizes		4MKRY7002⁽¹⁾ STD/0.50		4KRY2534 STD/020/040/060			
CLEARANCE & POSITION (From crown)				0.02 @ 69.55			
COMP HEIGHT	PIN DIA.	37.5	24.00	38.50	22.000		
LOCKING DEVICE		CC		CC			
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.500 4.000			
CYLINDER SLEEVE/ASSEMBLY				3431B		3375A 3375B	
RING SET Sizes Widths		M1938 STD/0.50 1.500 1.500 4.000		C1298 STD/020/040/060 2.000 2.500 4.000 PS1298 STD/020/040/060 2.000 2.500 4.000		M1334 STD 2.000 2.500 4.000 PS1334 0.50/1.00 2.000 2.500 4.000	

LEGEND

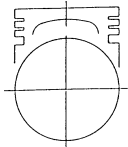
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) New item. Check for availability.



1591cc Corona 7R	1858cc Corona; Hi-Lux 8R	1587cc Corona; Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN; Toyo Ace 12R
--	--	--

YEARS	NO. OF CYLS	1968-81	4	1968-81	4	1971-83	4
BORE & STROKE	(MM)	86.000	68.500	86.000	80.000	80.500	78.000
	(IN)	3.3858	2.6968	3.3858	3.1496	3.1692	3.0708
PISTON HEAD TYPE						1 	
PISTON ASSEMBLY KIT Sizes						4KRY2541 STD/020/040/060	
CLEARANCE & POSITION (From crown)						0.025 @ 63.55	
COMP HEIGHT	PIN DIA.					38.55	20.000
LOCKING DEVICE						CC	
RING GROOVE WIDTHS						2.000 2.000 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B			
RING SET Sizes Widths		M1334 STD 2.000 2.500 4.000 PS1334 0.50/1.00 2.000 2.500 4.000		M1334 STD 2.000 2.500 4.000 PS1334 0.50/1.00 2.000 2.500 4.000		M1554⁽¹⁾ STD 2.000 2.000 4.000 C1554⁽¹⁾ STD/020/040/060 2.000 2.000 4.000 PS1554⁽¹⁾ STD/020/040/060 2.000 2.000 4.000	

LEGEND

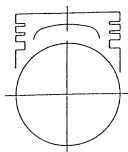
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) C/M/PS1554 do not suit original piston after engine no. 12R1356135.



1808cc Corona	1968cc Celica; Corona, RT104, 2000; Hi-Ace RH; Hi-Ace-SBV; Hi-Lux, RN	1968cc Hi-Ace-SBV
16R	18R	18RG

YEARS	NO. OF CYLS	1968-72	4	1968-82	4	1977-82	4
BORE & STROKE	(MM)	88.500	73.500	88.500	80.000	88.500	80.000
	(IN)	3.4842	2.8937	3.4842	3.1496	3.4842	3.1496
PISTON HEAD TYPE		1 					
PISTON ASSEMBLY KIT Sizes		4KRY2555 STD/020/040/060 4MKRY2555 STD					
CLEARANCE & POSITION (From crown)		.0500 @ 24.50					
COMP HEIGHT	PIN DIA.	39.3 22.000					
LOCKING DEVICE		CC					
RING GROOVE WIDTHS		2.000 2.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1446 STD/020/030/040/060 2.000 2.500 4.000					
		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1446 STD/020/030/040/060 2.000 2.500 4.000					
		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1446 STD/020/030/040/060 2.000 2.500 4.000					

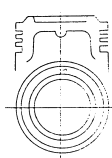
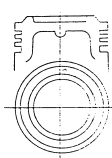
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2189cc Celica; Coaster, RB; Corolla; Corona; Cressida; Hi-Lux	1972cc Camry; Celica; Coaster; Corolla; Corona, 2000; Cressida; Hi-Ace-SBV; Hi-Lux	2366cc Celica; Coaster; Corona
20R	21R	22R

YEARS	NO. OF CYLS	1973-82	4	1978-83	4	1981-82	4
BORE & STROKE	(MM)	88.500	88.900	84.000	89.000	92.000	89.000
	(IN)	3.4842	3.5000	3.3070	3.5039	3.6220	3.5039
PISTON HEAD TYPE				121 		121 	
PISTON ASSEMBLY KIT Sizes				4KRY2731 STD/0.50/1.00 4MKRY2731 0.75/1.00		4MKRY2836 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)				0.0200 @ 70.00		0.0200 @ 91.00	
COMP HEIGHT	PIN DIA.			46.10	22.000	38.90	22.000
LOCKING DEVICE				CC		CC	
RING GROOVE WIDTHS				1.500 2.000 4.000		2.000 2.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3312B		3623B	
RING SET Sizes Widths		M1446 STD/0.50/1.00/1.50 2.000 2.500 4.000 PS1446 STD/020/030/040/060 2.000 2.500 4.000		M1649⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 M1651⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000 PS1651⁽¹⁾ STD/0.50/1.00 1.500 2.000 4.000		C1671⁽²⁾ STD/0.50/1.00 2.000 2.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

- (1) M1651 oil ring suits a groove depth of 4.00mm (0.157in) M1649 suits groove depth of 3.50mm (0.138in).
- (2) C1671 has 2, 2.5, 4mm ring pack suits early models.


2367cc

 Avante; Bundera; Coaster; RB;
Corona; 2400; Hi-Lux;
RN; 4 Runner

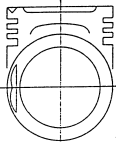
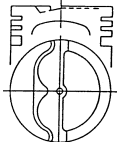
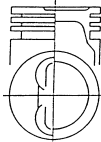
22R OHC
1832cc

 Camry; Carina; Celica;
Chaser; Corona

1S
1995cc

 Avante; Camry; Celica;
Corona, ST141;
Cresta

2S Carburettor & EFI

YEARS	NO. OF CYLS	1983-97	4	1987-89	4	1982-86	4
BORE & STROKE	(MM)	92.000	89.000	80.500	90.000	84.000	90.000
	(IN)	3.6220	3.5039	3.1692	3.5433	3.3070	3.5433
PISTON HEAD TYPE		184		154		67	
PISTON ASSEMBLY KIT		Bowl Volume 8cc					
Sizes		4KRY8000 STD/0.50/0.75/1.00/1.50		4MKRY2843 STD/0.50/1.00		4MKRY2734 STD/0.50/0.75/1.00	
		4MKRY8000 STD/0.50/1.00				4KRY2734 0.50/1.00	
CLEARANCE & POSITION		0.0300 @ 45.60		0.0200 @ 51.00		0.0200 @ 56.00	
(From crown)							
COMP HEIGHT	PIN DIA.	34.50	22.000	32.60	20.000	33.00	20.000
LOCKING DEVICE		CC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY						3312B	
RING SET		M1713 STD/0.50/1.00 1.500 1.500 4.000		M1736 STD/0.50/1.00 1.500 1.500 4.000		M1653 STD/0.50/0.75/1.00 1.500 1.500 4.000	
Sizes		C1713 STD/0.50/1.00 1.500 1.500 4.000		PS1736 STD/0.50/1.00 1.500 1.500 4.000		PS1653 STD/0.50/0.75/1.00 1.500 1.500 4.000	
Widths		PS1713 STD/0.50/0.75/1.00/1.50 1.500 1.500 4.000					

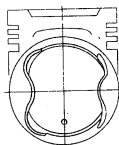
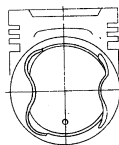
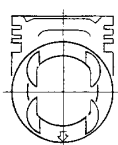
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Camry SV21, SV22	1998cc Camry; Celica; RAV4	1998cc Celica; MR2
3SFC DOHC 16 Valve	3SFE DOHC 16 Valve	3SGE DOHC

YEARS	NO. OF CYLS	1985-91	4	1989-96	4	1985-97	4
BORE & STROKE	(MM)	86.000	86.000	86.000	86.000	86.000	86.000
	(IN)	3.3858	3.3858	3.3858	3.3858	3.3858	3.3858
PISTON HEAD TYPE		205 		205 		212 	
PISTON ASSEMBLY KIT		4KRY8002 STD/0.50/1.00		4KRY8002 STD/0.50/1.00		4MKRY8032⁽¹⁾ STD/0.50/1.00	
Sizes		4MKRY8002 STD/0.50/1.00		4MKRY8002 STD/0.50/1.00			
CLEARANCE & POSITION		0.0300 @ 45.00		0.0300 @ 45.00		0.0250 @ 47.00	
(From crown)							
COMP HEIGHT	PIN DIA.	35.00	20.000	35.00	20.000	34.80	22.000
LOCKING DEVICE		AC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.200 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B		3375A 3375B	
RING SET		M1742 STD/0.50/1.00 1.500 1.500 4.000		M1742 STD/0.50/1.00 1.500 1.500 4.000		M1838 STD/0.50/0.75/1.00 1.200 1.500 4.000	
Sizes		PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1742 0.50/1.00 1.500 1.500 4.000			
Widths		C1742 0.50/1.00 1.500 1.500 4.000		PS1742 STD/0.50/0.75/1.00 1.500 1.500 4.000			
				M1927 STD 1.200 1.200 3.000			

LEGEND

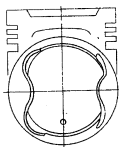
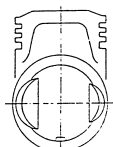
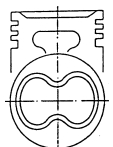
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) 8032 piston has a small dish in the crown. The original piston is a flat top. ACL has decompressed the 8032 piston.



2164cc Camry; Celica	1588cc Carina; Celica; Corolla; Sprinter	2438cc Tarago TCR10, TCR11, TCR21
5SFE DOHC 16 Valve	2T	2TZFE L4 DOHC 16 Valve

YEARS	NO. OF CYLS	1989-ON	4	1971-80	4	1990-on	4
BORE & STROKE	(MM)	87.000	91.000	85.000	70.000	94.000	86.000
	(IN)	3.4251	3.5826	3.3464	2.7559	3.7007	3.3858
PISTON HEAD TYPE		205 		85 		94 	
PISTON ASSEMBLY KIT Sizes		4MKRY8001 STD/0.50/0.75/1.00 4KRY8001 STD0.50/0.75/1.00		4KRY2599 STD/0.50/0.75/1.00/1.50		4MKRY2950 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0250 @ 48.40		0.0500 @ 60.75		0.0300 @ 50.00	
COMP HEIGHT	PIN DIA.	32.40	22.000	39.00	22.000	35.10	24.000
LOCKING DEVICE		CC		AC		CC	
RING GROOVE WIDTHS		1.500 1.500 4.000		2.000 2.000 4.000		1.750 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY				3346B			
RING SET Sizes Widths		M1807 STD/0.50/0.75/1.00 1.500 1.500 4.000 C1807 STD/0.50/1.00 1.500 1.500 4.000 M1914 STD 1.500 1.500 3.000 PS1807 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1434 STD/0.50 2.000 2.000 4.000 PS1434 STD/0.50/0.75/1.00/1.50 2.000 2.000 4.000		C1861 STD/0.50/1.00 1.750 1.500 4.000	

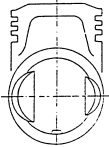
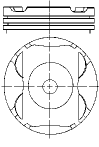
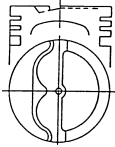
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1770cc Celica; Corolla; Liftback; T18-SE	2507cc Camry; Lexus	2959cc Hi-Lux; 4-Runner
3T	2VZFE V6 24 Valve	3VZE V6 SOHC 12Valve

YEARS	NO. OF CYLS	1979-82	4	1987-93	6	1989-96	6
BORE & STROKE	(MM)	85.000	78.000	87.500	69.500	87.500	82.000
	(IN)	3.3464	3.0708	3.4448	2.7362	3.4448	3.2283
PISTON HEAD TYPE		85 		223 		154 	
PISTON ASSEMBLY KIT Sizes		4MKRY2735 STD/0.50/1.00		6MKRY8013 STD/0.50/1.00 6KRY8013 STD/0.50/0.75/1.00		6KRY8014 STD/0.50/1.00 6MKRY8014 STD/0.50/1.00	
CLEARANCE & POSITION (From crown)		0.0200 @ 56.00		0.0300 @ 45.30		0.0250 @ 47.50	
COMP HEIGHT	PIN DIA.	35.20	22.000	32.20	21.000	33.90	21.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 3.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3346B					
RING SET Sizes Widths		M1654 STD/0.50/1.00 1.500 1.500 4.000 PS1654 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1814 STD/0.50/1.00 1.500 1.500 3.000 PS1814 STD/0.50/0.75/1.00 1.500 1.500 3.000		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000	

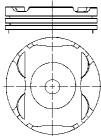
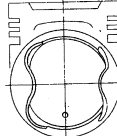
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



2958cc Camry; Lexus; Vienta 3VZFE DOHC 24 Valve	3378cc Prado 5VZFE	1626cc Hi-Ace-SBV; Hi-Lux, YN; Lite Ace; Tarago; Town Ace 1Y
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YEARS	NO. OF CYLS	1993-97	6	8/1996-on	6	1983-85	4
BORE & STROKE	(MM)	87.500	82.000	93.500	82.000	86.000	70.000
	(IN)	3.4448	3.2283	3.6810	3.2280	3.3858	2.7559
PISTON HEAD TYPE		223 		205 			
PISTON ASSEMBLY KIT Sizes		6MKRY8025 STD/0.50/1.00 6KRY8025 STD/0.50/0.75/1.00		6MKRY7003 STD/0.50			
CLEARANCE & POSITION (From crown)		0.0300 @ 47.00					
COMP HEIGHT	PIN DIA.	33.90	22.000	34.00	22.00		
LOCKING DEVICE		SC		CC			
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000			
CYLINDER SLEEVE/ASSEMBLY						3375A 3375B	
RING SET Sizes Widths		M1815 STD/0.50/1.00 1.500 1.500 4.000 C1815 STD/0.50/1.00 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000		C1939 STD/0.50 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50 1.500 1.500 4.000	

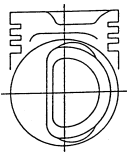
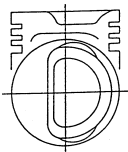
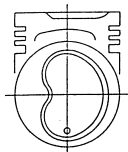
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1812cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, YN; Lite Ace, YM; Tarago; Town Ace 2Y	1998cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, LN, YN Lite Ace, YM; Tarago; Town Ace; 4-Runner 3Y	2237cc Dyna; Hi-Ace YH; Hi-Ace-SBV; Hi-Lux, YN; Lite Ace; Tarago; Town Ace; 4-Runner; Spacia 4Y
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YEARS	NO. OF CYLS	1983-85	4	1983-88	4	1985-96	4
BORE & STROKE	(MM)	86.000	78.000	86.000	86.000	91.000	86.000
	(IN)	3.3858	3.0708	3.3858	3.3858	3.5826	3.3858
PISTON HEAD TYPE		182 		182 		173 	
PISTON ASSEMBLY KIT		4KRY2818⁽¹⁾ STD/0.50/1.00 4MKRY2818⁽¹⁾ STD/0.50/1.00		4KRY2819 0.50/1.00/1.50 4MKRY2819 STD/0.50/1.00/1.50		4KRY2858 STD/0.50/1.00/1.50 4MKRY2858 STD/0.50/1.00	
CLEARANCE & POSITION		0.02 @ 50.00		0.0300 @ 55.00		0.0300 @ 55.00	
COMP HEIGHT	PIN DIA.	34.70	22.000	34.40	22.000	34.60	22.000
LOCKING DEVICE		AC		AC		AC	
RING GROOVE WIDTHS		1.500 1.500 4.000		1.500 1.500 4.000		1.500 1.500 4.000	
CYLINDER SLEEVE/ASSEMBLY		3375A 3375B		3375A 3375B			
RING SET		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50 1.500 1.500 4.000 PS1815 STD/0.50/0.75/1.00 1.500 1.500 4.000		M1714 STD/0.50/1.00 1.500 1.500 4.000 PS1714 STD/0.50/1.00/1.50 1.500 1.500 4.000		M1744 STD/0.50/1.00 1.500 1.500 4.000 PS1744 STD/0.50/1.00/1.50 1.500 1.500 4.000	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

⁽¹⁾ 2819 piston from 3Y can be used if a lower compression piston is desired.



1794cc Corolla; RAV 4	1496cc Paseo	1781cc TownAce
1ZZFE DOHC	5EFE 1.5L 16V	7K

YEARS	NO. OF CYLS	1997-on	4	1992-on	4	1997-on	4
BORE & STROKE	(MM)	79.000	91.500	74.000	87.000	80.500	87.500
	(IN)	3.110	3.602	2.913	3.425	3.169	3.445
PISTON HEAD TYPE							
PISTON ASSEMBLY KIT Sizes							
CLEARANCE & POSITION (From crown)							
COMP HEIGHT	PIN DIA.						
LOCKING DEVICE							
RING GROOVE WIDTHS							
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1926 STD 1.200 1.200 3.000		C1910 STD/0.50/1.00 1.200 1.200 3.000		M1736 STD/0.50/1.00 1.500 1.500 4.000 PS1736 STD/0.50/1.00 1.500 1.500 4.000	

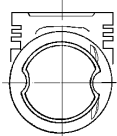
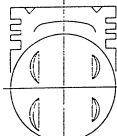
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



4476cc Landcruiser FJ70, FJ75, FJ80	2995cc Camry, Vienta, Lexus ES300	
1FZFE DOHC 24V	1MZFE	

YEARS	NO. OF CYLS	1990-on	6	10/1996-on	6	
BORE & STROKE	(MM)	100.000	95.000	87.500	83.000	
	(IN)	3.937	3.740	3.445	3.268	
PISTON HEAD TYPE		238 		192 		
PISTON ASSEMBLY KIT Sizes		6MKRY2991 STD/0.50		6MKRY7004⁽¹⁾ STD/0.50		
CLEARANCE & POSITION (From crown)		0.0200 @ 61.00				
COMP HEIGHT	PIN DIA.	42.00	26.000	31.20	22.00	
LOCKING DEVICE		CC		CC		
RING GROOVE WIDTHS		1.750 2.000 4.000		1.200 1.200 3.000		
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		C1907 STD/0.50 1.750 2.000 4.000		M1945 STD/0.50 1.200 1.200 3.000		

LEGEND

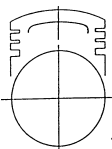
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) New item. Check for availability.



1335cc Acclaim Honda EN	1296cc Spitfire; Toledo; 1300 1296	1493cc Spitfire; Toledo; 1500 1493
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YEARS	NO. OF CYLS	1981-on	4	1970-73	4	1970-81	4
BORE & STROKE	(MM)	72.000	85.000	73.647	76.000	73.647	87.620
	(IN)	2.8346	3.3464	2.8994	2.9921	2.8994	3.4496
PISTON HEAD TYPE		14 					
PISTON ASSEMBLY KIT Sizes		4MKRY2839 0.50/1.00					
CLEARANCE & POSITION (From crown)		0.0200 @ 55.00					
COMP HEIGHT	PIN DIA.	27.10	17.000				
LOCKING DEVICE		AC					
RING GROOVE WIDTHS		1.500 1.500 4.000					
CYLINDER SLEEVE/ASSEMBLY							
RING SET Sizes Widths		C1566 STD/0.50 1.500 1.500 2.800 C1676 STD/0.50/1.00 1.500 1.500 4.000 PS1676 STD/0.50 1.500 1.500 4.000		PS1408 STD .062 .062 .156		PS1408 STD .062 .062 .156	

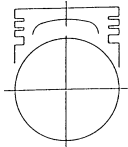
LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES



1998cc Dolomite; TR7; 2000; 2500	2498cc GT6; TR2-TR7; 2.5PI; 2500	
1998	2498	

YEARS	NO. OF CYLS	1971-83	6	1967-75	6	
BORE & STROKE	(MM)	74.700	76.000	74.689	95.000	
	(IN)	2.9409	2.9921	2.9405	3.7401	
PISTON HEAD TYPE				1		
						
PISTON ASSEMBLY KIT Sizes				6MKRY2804 020/040		
CLEARANCE & POSITION (From crown)				0.002 @ 2.244		
COMP HEIGHT	PIN DIA.			1.143	.813	
LOCKING DEVICE				SC		
RING GROOVE WIDTHS				.062 .062 .156		
CYLINDER SLEEVE/ASSEMBLY						
RING SET Sizes Widths		C1705 STD .078 .078 .156			M1353 STD/040 .062 .062 .156 PS1353 STD/020/040 .062 .062 .156	

LEGEND

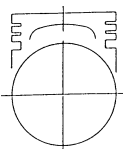
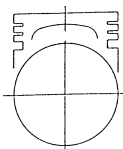
PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
RING SET - M (Moly), C (Chrome), PS (Plain)
LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

**1986cc**122; 142; 144; 145; 240
240**B20.A.B.E.F****2979cc**

145; 164, E

B30A.E

YEARS	NO. OF CYLS	1969-81	4	1968-74	6
BORE & STROKE	(MM)	88.900	80.000	88.900	80.000
	(IN)	3.5000	3.1496	3.5000	3.1496
PISTON HEAD TYPE		1		1	
PISTON ASSEMBLY KIT Sizes		4MKRY2603 020/030/040		6MKRY2603 020/030/040	
CLEARANCE & POSITION (From crown)		.0015 @ 1.08		.0015 @ 1.08	
COMP HEIGHT	PIN DIA.	1.81	.866	1.81	.866
LOCKING DEVICE		SC		SC	
RING GROOVE WIDTHS		.078 .078 .187		.078 .078 .187	
CYLINDER SLEEVE/ASSEMBLY					
RING SET Sizes Widths		C1409 STD .078 .078 .187 PS1643⁽¹⁾ STD/020/030/040/060 .078 .078 .187		PS1643⁽¹⁾ STD/020/030/040/060 .078 .078 .187	

LEGEND

PISTON KIT - MKRY (contains Premium rings) - Moly or Chrome), KRY (contains Plain rings)
 RING SET - M (Moly), C (Chrome), PS (Plain)
 LOCKING DEVICE - AC (usually press fit), CC (wire circlip), SC (seager circlip)

NOTES

(1) PS1643 is a 2 cylinder set.



Numerical Listing - Pistons

Base No.	Application	Page	Base No.	Application	Page	Base No.	Application	Page
2028	Holden 161	75	2656	Nissan L20B	172	2838	Opel C18SE 10.1:1	185
2030	International BD240	103	2666	Subaru EA71	193	2839	Honda EB3	91
2032	International ABD/AGD	104	2666	Subaru EA81	193	2839	Honda EN	91
2033	International ABD/AGD 6.281	104	2668	Honda CB OHC	92	2839	Triumph EN	231
2075	Holden 132 Grey Motor	74	2668	Honda EF OHC	92	2839	Honda EN OHC	94
2075	Holden 138 Grey Motor	74	2671	Honda EB1	90	2843	Toyota 1S	223
2085	Holden 149	75	2686	Toyota 4M	217	2848	Mazda R2 Diesel	38,132
2087	Holden 179	76	2691	Mitsubishi 4G52 Astron Chain	150	2848	Mazda RF Diesel OHC	38,132
2197	Ford 116E	44	2694	Leyland 'B' series	118,140	2849	Mazda HA OHC	128
2197	Ford 120E	44	2699	Mazda UC SOHC Chain Drive	39,135	2852	Mitsubishi 4DR5 Diesel	145
2197	Ford 3014	43	2700	Nissan L28	174	2855	Holden 1.8L FII G1 Unleaded	73
2272	Leyland 'A' series	4,139,160	2705	Mitsubishi G32B Saturn Belt Dr	148	2855	Holden 1.8L FII G2 Unleaded	163
2296	Toyota 2R	218	2706	Mazda NA OHC	38,131	2855	Opel C18LE 8.8:1	185
2298	Nissan H20	168	2709	MG MGB	140	2857	Hyundai 4D56	99
2502	Chrysler 245 (Incl Hi Comp)	16,28	2711	Leyland 'B' series	3,118,140	2858	Opel C18LE	184
2504	Chrysler 265	16,29	2714	Leyland 'A' series	2,138,160	2858	Toyota 4Y	25,228
2505	Holden 1.9L Starfire	73, 200	2715	Leyland 'A' series	2,152,160	2859	Isuzu 4ZB1 OHC Petrol	63,112
2505	Holden 173	6	2717	Leyland 'A' series	138	2859	Isuzu G180	10
2505	Holden 173 Red Motor	75	2719	Nissan SD20 Diesel	175	2859	Isuzu G180Z	62,110
2505	Holden 2.85L Blue Motor	78	2719	Nissan SD22 Diesel	175	2862	Nissan TB42S Petrol	42,178
2509	Toyota 3K	22,212	2719	Nissan SD33 Diesel	177	2863	Suzuki F5AT	196
2509	Toyota 4K	23,212	2724	Mitsubishi 4G33 Belt Drive	149	2863	Suzuki F8A	196
2509	Toyota K	212	2727	Toyota 2H Diesel	211	2864	Ford 4.0L ED	58
2515	Nissan J15	169	2728	Toyota H Diesel	210	2872	Mazda HA OHC	36,129
2515	Nissan J16	169	2731	Toyota 21R	222	2873	Mazda SL Diesel	39
2517	Nissan L16	171	2732	Toyota L	213	2874	Mazda ZB Diesel	137
2517	Nissan L24	173	2733	Toyota 5M, 5ME	217	2877	Hyundai 4D56T	99
2517	Nissan L26	173	2734	Toyota 2S Carburetor & EFI	223	2877	Mitsubishi 4D55T Turbo Diesel	93,144
2526	Ford 70HM	46	2735	Toyota 3T	226	2877	Mitsubishi 4D56T Turbo Diesel	144
2527	Toyota 4M	216	2737	Mazda FE SOHC Belt Drive	35,126	2878	Nissan SD23 Diesel	176
2530	Ford 2737E Crossflow	45	2737	Mazda FE SOHC EFI	126	2879	Nissan SD25 Diesel	176
2530	Ford 751M 2V Carburetor	46	2741	Mazda S2 Diesel	39,133	2880	Nissan TD25	178
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2537	Ford 711M	44	2745	Holden 1.6L FII G1 Leaded	71,183	2884	Toyota 3L Diesel	215
2537	Ford 711M Crossflow	50	2745	Opel 1.6L 9.2:1	183	2889	Mitsubishi 4G54 Hi Comp Chain	150
2537	Ford 751M	43	2748	Mitsubishi 4G62B Sirius Belt Dr	152	2889	Mitsubishi G54B Low Comp	151
2541	Toyota 12R	23,220	2764	Nissan L20B	172	2890	Mazda B3 1.3L 8 Valve	30,120
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2603	Volvo B30A	232	2810	Toyota B Diesel	21,206	2923	Isuzu C223 Turbo	60,108
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2643	Chrysler 198 Slant 6	15	2820	Nissan Z22	182	2931	Daihatsu HDE OHC EFI	27
2643	Chrysler 225 Slant 6	16,28	2822	Toyota 3F, 3FE	208	2933	Mitsubishi 4G54B Astron MPI Chain	152
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2648	Toyota 2F	208	2824	Mazda FE SOHC EFI	35,126	2934	Suzuki G13A	67,198
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2654	Nissan P40	174	2834	Nissan Z20	181	2935	Holden 1.8L FII G1 Unleaded	72,183
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2958	Mitsubishi 4G93 DOHC & Turbo	156	4103	Ford 4.1L Unleaded	50,163	8036	Nissan VG30I SOHC V6	180
2959	Nissan Z22S	182	4104	Ford 221	49	8037	Nissan E16	66,167
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1566	Honda EN OHC	94	1660	Mazda FE SOHC Belt Drive	35,126	1710	Toyota 2L Diesel	214
1570	Isuzu 4ZB1 OHC Petrol	63,112	1660	Mazda FE SOHC EFI	35,126	1712	Toyota B Diesel	21,206
1570	Isuzu G180	10	1660	Mazda FE-E DOHC	36,127	1713	Toyota 22R OHC	223
1570	Isuzu G180Z	62,110	1660	Mazda FE-T DOHC	127	1714	Toyota 1Y	24,227
1570	Mitsubishi 4G52 Astron Chain	150	1660	Mazda FE-T Turbo SOHC	127	1714	Toyota 2Y	24,228
1576	Holden 1.9L Starfire	73,200	1661	Isuzu G200Z OHC	62,110	1714	Toyota 3Y	24,228
1588	Mitsubishi 4G54 Hi Comp. Chain	150	1662	Isuzu 4FB1 OHC Diesel	61,109	1715	Nissan Z22	182
1588	Mitsubishi G54B Low Comp	151	1662	Isuzu 4FC1	109	1715	Nissan Z22S	182
1589	Mazda TC OHC	134	1663	Holden 1.6L FII G1 Leaded	71,183	1717	Ford 3.2L EFI	7,58
1589	Mitsubishi 4G33 Belt Drive	149	1664	Suzuki F8B	196	1719	Mazda F6	34,125
1590	Nissan P/P40	174	1666	Ford 188	48	1726	Isuzu G200Z OHC	62,110
1599	Mazda MA OHC	37	1666	Ford 200ci (3.3L)	48	1727	Holden 3.8L V6	79,200
1599	Mazda MA OHC Circlip	130	1666	Ford 221ci	49	1728	Jaguar/Daimler 4.2L	116
1599	Mazda MA OHC Press Fit	130	1666	Ford 4.1L Leaded	50	1729	Mazda B6 DOHC 16 Valve	31,121
1599	Mazda VC 040	40	1666	Ford 4.1L Unleaded	50,163	1729	Mazda B6 DOHC Turbo 16 Valve	122
1600	Mazda UC SOHC Chain Drive	39,135	1667	Mitsubishi 4G62B Sirius Belt	152	1729	Mazda B6 SOHC 8 Valve	121
1601	Nissan L28	174	1671	Toyota 22R	222	1729	Mazda B6Y SOHC 8 Valve	30
1603	Mitsubishi 4G32 Saturn Belt Drive	148	1672	Nissan A14	164	1730	Nissan TB42S Petrol	42,178
1604	Mazda NA OHC	37,38,131	1672	Nissan A15	165	1731	Holden 1.8L FII G2 Unleaded	73,163
1604	Mazda VB OHC	135	1673	Toyota 1A, 1AC	201	1731	Opel C18LE 8.8:1	185
1606	Isuzu 4ZA1	63,111	1673	Toyota 3A	21	1731	Opel C18NZ 9.2:1	185
1606	Isuzu G161Z	10,61,110	1673	Toyota 3AC	202	1731	Opel C18SE 10.0:1	185
1609	Mazda ZB Diesel	40,136	1674	Honda EM OHC	93	1733	Mazda R2 Diesel	38,133
1612	Nissan SD20 Diesel	175	1674	Honda EW2	95	1733	Mazda RF Diesel OHC	38,132
1612	Nissan SD22 Diesel	175	1675	Honda EK	93	1734	Nissan SD33T Diesel Turbo	177
1612	Nissan SD33 Diesel	177	1675	Honda EL OHC	93	1735	Daewoo C22SEL	20
1612	Nissan SD33T Diesel Turbo	177	1675	Honda EP OHC	94,190	1735	Holden 1.8L FII G2 Unleaded	19
1615	Nissan Z20	181	1676	Honda EB2	90	1735	Holden 2.0L FII G2 Unleaded	73
1616	Nissan L28	174	1676	Honda EB3	91	1735	Holden X20XE, C20SEL 16 Valve	84,87
1643	Volvo B20A,B,E,F	233	1676	Honda EJ	92	1735	Holden C22SEL 16 Valve	87
1643	Volvo B30A.E	233	1676	Triumph EN	231	1735	Opel C20L SOHC 8.8:1	186
1644	Nissan E13	166	1676	Honda EN OHC	94	1735	Opel C20NE SOHC 9.2:1	186
1644	Nissan E15	65,167	1678	Suzuki F10A	66,197	1735	Opel C20SE 10.0:1	187
1644	Nissan E15T OHC Turbo	66,167	1679	Isuzu 4XC1	63,111	1735	Opel C20SE	187
1644	Nissan E16	66,167	1680	Holden 1.8L FII G1 Leaded	72	1735	Opel C22SEL	188
1645	Nissan A14	164	1680	Holden 1.8L FII G1 Unleaded	72	1735	Opel X20XEV, C20XE	187
1647	Toyota 2H Diesel	211	1680	Opel 1.8L 8.2:1	184	1736	Toyota 1S	223
1648	Toyota H Diesel	210	1681	Isuzu 223	60	1736	Toyota 5K	213
1649	Toyota 21R	222	1681	Isuzu 223 Turbo	102	1736	Toyota 7K	229
1650	Toyota B Diesel	21,206	1681	Isuzu C223	108	1737	Mazda HA Diesel	36,128,129
1651	Toyota 21R	222	1682	Isuzu 4FG1	103	1739	Morris 2623	162

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1740	Morris E Series	162	1802	Hyundai G4AJ	100	1839	Toyota 5MGE DOHC	217
1741	Toyota 4A, 4AC, 4ALC	202,205	1802	Hyundai G4DJ	101	1839	Toyota 7MGE	218
1741	Toyota 4AGE DOHC	203,204	1802	Hyundai GHY	100	1840	Mitsubishi 4G63 DOHC 16 Valve	154
1741	Toyota 4AGZE DOHC	204	1802	Mitsubishi 4G15 8 Valve Carb	146	1840	Mitsubishi 4G63 DOHC Turbo 16V	155
1741	Toyota 4ALC OHC	202	1802	Mitsubishi 4G15 8 Valve MPI	146	1840	Mitsubishi 4G63 SOHC Belt Drive	154
1742	Toyota 3SFC 16 Valve DOHC	69,224	1803	Mitsubishi 6G72 V6 Belt Drive	157,158	1842	Toyota 12HT Turbo Diesel	211
1742	Toyota 3SFE 16 Valve DOHC	69,224	1804	Honda EC OHC	91	1843	Toyota 4K	212
1744	Toyota 4Y	25,228	1804	Honda EF OHC	92	1844	Holden 202 Performance/Hi Comp	77
1746	Mitsubishi 4DR5 Diesel	145	1804	Honda EG OHC	92	1844	Holden 202 Performance/Hi Comp	78
1747	Rover 3.5L	192	1804	Honda EM OHC	93	1845	Honda ER	94
1749	Nissan Z24	182	1804	Honda EW2	95	1846	Nissan CA18DE DOHC 16V	165
1751	Toyota L	213	1805	Toyota 4AFC DOHC 16 Valve	67,202	1847	Honda A20A Carb & EFI	88
1752	Toyota H Diesel	210	1805	Toyota 4AFE DOHC 16 Valve	68,203	1848	Chevrolet 350	13
1754	Toyota 2H Diesel	211	1806	Toyota 4AGE DOHC	204	1848	Ford 289 Windsor	52
1755	Nissan Z24	182	1807	Toyota 5SFE DOHC 16 Valve	70,225	1848	Ford 351 Performance 6" Rod	54
1756	Nissan SD23 Diesel	176	1808	Toyota 3E	208	1848	Ford 302 Cleveland	52
1756	Nissan SD25 Diesel	176	1809	Nissan KA24E 12 Valve	41,170	1848	Ford 302 Windsor	53
1757	Nissan ED33 Diesel	168	1809	Nissan KA24E 12 Valve	41,170	1848	Ford 351	54
1759	Daihatsu DL	26	1810	Mitsubishi 4G37 Saturn Belt Drive	149	1848	Holden 308 Red, Blue, Black	7,83
1761	Subaru EA71	193	1810	Mitsubishi 4G62B Sirius Belt	152	1848	Holden 4.9L	82
1761	Subaru EA81	193	1811	Holden 1.6L FII G2 Leaded	72,163	1849	Nissan VG30E DOHC V6	179
1761	Subaru EA82	194	1812	Holden 3.8L V6	79,80	1849	Nissan VG30E SOHC V6	180
1761	Subaru EA82 non EFI	194	1812	Holden 3.8L V6	200,201	1849	Nissan VG30I SOHC V6	180
1761	Subaru EA82 OHC Turbo	196	1813	Hyundai G4CS OHC	101	1850	Mazda BP DOHC 16 Valve	32,122
1762	Ford 4.0L ED	58	1813	Mitsubishi 4G64 SOHC 8 Valve	155	1850	Mazda BP SOHC	31,122
1764	Suzuki G10, G10A	197	1814	Toyota 2VZFE V6 24 Valve	226	1857	Mazda FS DOHC 16 Valve EFI	34,128
1764	Suzuki G10T Turbo	198	1815	Toyota 3VZE V6 SOHC 12 Valve	226	1859	Toyota 6A,6AFC	68,205
1765	Mitsubishi 6DR5 Diesel	145	1815	Toyota 3VZFE DOHC 24 Valve	226	1860	Toyota 4AFE DOHC 16 Valve	68,203
1768	Isuzu 4BB1 Diesel	106	1816	Hyundai G6AT V6	102	1860	Toyota 7A, 7AFE DOHC 16 Valve	69,205
1768	Isuzu 4BD1 Diesel	106	1816	Mitsubishi 6G72 V6 Belt Drive	157	1861	Toyota 2RZ, 2RZ-E	218
1769	Isuzu 6BB1 Diesel	107	1817	Isuzu 4ZD1	64,65,112	1861	Toyota 2TZFE L4 DOHC 16V	225
1769	Isuzu 6BD1 Diesel	107	1818	Isuzu 4ZE1	65,113	1863	Nissan CA16DE DOHC 16 Valve	165
1769	Isuzu 6BD1T Turbo	107	1819	Isuzu 4BA1	106	1864	Honda F22A	96
1770	Suzuki G13A	67,198	1820	Toyota 13B Diesel	22,207	1864	Honda F22A5 16 Valve SOHC	96
1770	Suzuki G13B DOHC	198	1821	Mazda B5 SOHC	137	1865	Honda B20A DOHC	88
1770	Suzuki G13B SOHC	198	1821	Mazda B6 DOHC 16 Valve	31,121	1865	Honda B20A5	89
1774	Mazda ZB Diesel	137	1821	Mazda B6Y SOHC 8 Valve	30,121	1867	Mitsubishi 4G63 DOHC 16 Valve	154
1775	Mitsubishi 4D30 Diesel	142	1821	Mazda B6 SOHC 16 Valve	30,121	1868	Mazda KL V6 DOHC	37,130
1775	Mitsubishi 4D31 Diesel	98	1822	Toyota 3FE	209	1869	Honda D16A6	89
1776	Mitsubishi 4D55 Diesel	143	1823	Nissan GA16DE 16 Valve DOHC	168	1869	Honda D16Z6	90
1776	Mitsubishi 4D56 Diesel	99,144	1824	Mazda G6 SOHC 12v	36,128	1870	Honda D15B	89
1776	Hyundai 4D56 Diesel	99	1825	Mazda F2 2.2L 12VTurbo EFI	125,134	1871	Nissan L24E EFI	173
1777	Mitsubishi 4D55T Turbo Diesel	144	1825	Mazda F2 SOHC 8 Valve	33,124	1873	Nissan L24E EFI	173
1777	Hyundai 4D56T Turbo Diesel	99	1825	Mazda F2 SOHC 12 Valve EFI	33	1873	Mitsubishi 4D30 Diesel	142
1778	Suzuki F5AT	196	1825	Mazda F2 SOHC 12 Valve Turbo	33	1873	Mitsubishi 4D31 Diesel	142
1779	Nissan TD25	178	1826	Nissan SD33T Diesel Turbo	177	1873	Mitsubishi 4D31 Turbo Diesel	142
1780	Nissan TD27	178	1827	Holden 4JB1 Turbo	62	1874	Mitsubishi 4D32A	142
1781	Nissan TD42 Diesel	47,179	1827	Isuzu 4JB1 Turbo	105,111	1874	Mitsubishi 4D34	143
1784	Toyota 1HDT Diesel	210	1828	Isuzu C223 Turbo	60,108	1875	Hyundai D4AK	98
1784	Toyota 1HZ Diesel	210	1829	Mitsubishi 4G15 12 Valve Carb	147	1876	Honda C27A1	96
1785	Toyota 3L Diesel	215	1830	Isuzu 4ZC1	64,112	1877	Toyota 3B Diesel	207
1786	Suzuki F8A	196	1831	Mazda JE DOHC V6	129	1878	Hyundai 4D56	99
1788	Mitsubishi 4G53	150	1831	Mazda JE SOHC V6 18V EFI	129	1878	Hyundai 4D56 Turbo Diesel	99
1789	Toyota 1C Turbo Diesel Belt	208	1832	Mitsubishi 4D31 Diesel	143	1878	Mitsubishi 4D56	99,144
1790	Mazda NA OHC	38,39,131	1833	Nissan GA16 DE DOHC 16 Valve	168	1878	Mitsubishi 4D56 Turbo Diesel	99,144
1790	Mazda VB OHC	135	1834	Nissan SR20DE	177	1879	Mitsubishi 4G64 SOHC 16 Valve	156
1791	Daihatsu CB OHC	25	1835	Suzuki G16A SOHC	199	1880	Mitsubishi 4G64 SOHC 8 Valve	155
1797	Mazda B3 1.3L 16 Valve	30	1835	Suzuki G16B 16V EFI SOHC	199	1881	Honda EW2	95
1797	Mazda B3 1.3L 8 Valve	120	1836	Toyota 2A, 2ALC	201	1883	Mitsubishi 4D55 Diesel	143
1798	Toyota 3F	209	1837	Daihatsu HCE OHC	27	1883	Mitsubishi 4D56 Diesel	144
1801	Isuzu 4XC1	63,111	1838	Toyota 3SGE DOHC	224	1884	Mitsubishi 4G92 1.6L 16V EFI	156
						1884	Mitsubishi 4G93 DOHC	156



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1885	Subaru EJ22	194	3466	Ford 240	49			
1886	Nissan L24E EFI	173	3466	Ford 300	52			
1891	Honda D13B	97	9095	Holden 3.8L V6	79,200			
1892	Holden C14NZ	86	9098	Chevrolet 302 V8	12			
1892	Opel C14NZ	183	9098	Chevrolet 350	13			
1892	Opel X14E	183	9098	Chevrolet 350 Perf Low Comp	85			
1893	Mitsubishi 4G63 SOHC Belt Drive	154	9098	Chevrolet 350 Performance	13,85			
1894	Mitsubishi 6G74 SOHC 24 Valve	158	9098	Chrysler 360 V8	18			
1894	Mitsubishi 6G74 DOHC 24 Valve	158	9098	Ford 302 Windsor EFI	59			
1895	Hyundai G4CN 16 Valve	100	9098	Holden 308 Hi Comp	83			
1896	Ford 3.9L Hi Comp	58	9098	Ford 351	54,55			
1896	Ford 3.9L	57	9098	Holden 4.9L Performance	82			
1897	Hyundai D4AF	98	9099	Ford 2735	43			
1900	Toyota 2LII	214	9100	Holden 3.8L V6	79,200			
1900	Toyota 2LII Turbo	214	9101	Ford 3.2L EFI	57			
1901	Holden X1.6XE C16SE	86	9101	Ford 3.9L EFI	58			
1901	Opel X14E	184	9102	Ford 4.0L ED	58			
1901	Opel 16NZ SE SV	184	9102	Ford 4.0L EF & EL	58			
1901	Opel X1.6XE	184	9103	Ford 351 Performance	55			
1904	Daewoo	19,20	9103	Ford 302 Cleveland	53			
1903	Ford AU	59	9103	Ford 302 Windsor EFI	53			
1905	Mazda WL 2.5L	136	9103	Ford 302 Windsor Performance	53			
1906	Holden X18XE C18SEL	86	9103	Ford 351 Windsor	54			
1906	Opel X18XE C18SEL	196	9106	Chevrolet 350 Perf Low Comp	85			
1907	Toyota 1FZFE DOHC 24 Valve	230	9106	Chevrolet 350 Perf Semi Finished	85			
1909	Mazda R2 Late	133	9106	Chevrolet 350 Performance	13,85			
1909	Toyota 1FZFE DOHC 24 Valve	230	9106	Ford 351 Performance 6" Rod	55,56			
1910	Toyota 5EFE 1.5L 16 Valve	229	9106	Ford 302 Cleveland Performance	53,59			
1911	Isuzu 6VD1	113	9106	Ford 351 Performance	55			
1912	Isuzu 6VD1	113	9106	Holden 308 Performance/Hi Comp	83			
1912	Isuzu 6VE1	114	9106	Holden 4.9L Performance	81			
1914	Toyota 5SFE DOHC 16 Valve	225	9106	Holden 5.7L HSV Hi Comp	84			
1915	Ford Mondeo	57	9110	Chevrolet 350 Perf Low Comp	13,85			
1922	Daewoo A16	19	9110	Chevrolet 350 Perf Semi Finished	14,85			
1923	Hyundai G4EK	102	9110	Chevrolet 350 Performance	13,85			
1924	Hyundai G4GM	101	9110	Ford 351 Performance	55,56			
1926	Ford 4.1L 6.27" Rods	50	9110	Ford 302 Cleveland Performance	53			
1926	Toyota 1ZZFE DOHC	229	9110	Ford 302 Windsor EFI	59			
1927	Toyota 3SFE DOHC 16 Valve	224	9110	Ford 302 Windsor Performance	53			
1928	Chrysler 360	18	9110	Holden 308 Performance/Hi Comp	83			
1930	Suzuki G13B SOHC	67	9110	Holden 4.9L Performance	82			
1932	Chevrolet 350 Perform. 6" Rods	14	9110	Holden 5.7L Hi Comp	84			
1932	Ford 302-347 Windsor	54	9112	Holden 253 Performance	81			
1932	Ford 351-377 Cleveland	56	9112	Holden 253 Performance/Hi Comp	81			
1932	Ford 308-355 Stroker Kit	84	9114	Holden 202 Performance/Hi Comp	77			
1937	Hyundai G4CR 16 Valve	102	9114	Holden 202 Performance/Hi Comp	78			
1937	Mitsubishi 4G61 DOHC 16 Valve	152	9116	Holden 253 Performance	81			
1938	Toyota 3RZFE	219	9116	Holden 253 Performance/Hi Comp	81			
1939	Toyota 5VZFE	227	9122	Ford 351 Performance 6" Rod	55			
1940	Holden X1.6XE C16SE	86	9122	Holden 308-355 5.7" Rod	84			
1940	Opel X1.6XE C16SE 10.5:1	184	9123	Holden 200ci (3.3L) LPG	48			
1943	Subaru EJ16, EJ18	195	9125	Holden 351 Performance 6" Rod	55			
1944	Nissan L28	174						
1945	Toyota 1MZFE	230						
3088	Leyland 'B' series	139						
3170	Rover 2.25L	192						
3170	Rover 2.25L Diesel	191						
3190	Nissan P/P40	174						
3226	Chevrolet 230	11,12						
3236	Bedford 292 Petrol	8						
3329	Chevrolet 153	11						

Numerical Listing - Sleeves



Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
2047A	55.02	51.99	1.83	122.4			
2480A	66.25	62.99	1.58	165.9			
2504A	66.75	63.50	1.58	177.8			
2504B	68.34	63.50	2.36	177.8			
2543A	67.82	64.57	1.58	134.1			
2543B	64.57	69.41	2.36	134.1			
2561A	68.25	65.00	1.58	165.9			
2625A	69.93	66.67	1.58	184.1			
2750A	73.10	69.85	1.58	184.9			
2750B	74.69	69.85	2.36	184.9			
2795A	74.24	70.99	1.58	184.1			
2795B	75.83	70.99	2.36	184.1			
2835A	75.25	71.98	1.58	165.1			
2875A	76.28	73.03	1.58	174.6			
2875B	77.86	73.03	2.36	174.6			
2952A	78.25	74.98	1.58	190.5			
2952B	79.84	74.98	2.36	190.5			
3000A	79.45	76.20	1.58	206.4			
3000B	81.04	76.20	2.36	206.4			
3062A	81.04	77.78	1.58	174.6			
3062B	82.63	77.78	2.36	174.6			
3122A	82.63	79.38	1.58	206.4			
3122B	84.21	79.38	2.36	206.4			
3150A	83.25	79.98	1.58	228.6			
3150B	84.84	79.98	2.36	228.6			
3188A	84.21	80.95	1.58	195.3			
3188B	85.80	80.95	2.36	195.3			
3252A	85.80	82.55	1.58	206.4			
3252B	87.39	82.55	2.36	206.4			
3312A	87.39	84.13	1.58	228.6			
3312B	88.98	84.13	2.36	228.6			
3346A	88.25	84.99	1.58	204.8			
3346B	89.84	84.99	2.36	204.8			
3375A	88.98	85.72	1.58	206.4			
3375B	90.56	85.72	2.36	206.4			
3401B	91.20	86.36	2.36	206.4			
3431A	90.56	87.30	1.58	206.4			
3431B	92.15	87.30	2.36	206.4			
3500A	92.15	88.90	1.58	212.7			
3500B	93.74	88.90	2.36	212.7			
3562A	93.74	90.47	1.58	228.6			
3562B	95.33	90.47	2.36	228.6			
3623B	96.91	92.07	2.36	146.1			
3625A	95.38	92.07	1.58	246.1			
3625B	96.91	92.07	2.36	246.1			
3687A	96.91	93.65	1.58	219.1			
3687B	98.50	93.65	2.36	219.1			
3750A	98.50	95.25	1.58	250.8			
3750B	100.09	95.25	2.36	250.8			
3812A	100.10	96.82	1.58	222.3			
3812B	101.69	96.82	2.36	222.3			
3875A	101.69	98.42	1.58	228.6			
3875B	103.28	98.42	2.36	228.6			
3911A	102.58	99.31	1.58	152.4			
3911B	104.16	99.31	2.36	152.4			
3911BL	104.16	99.31	2.36	165.1			
3937B	104.85	100.00	2.36	254.0			
4001A	104.86	101.60	1.58	250.8			
4001B	106.45	101.60	2.36	250.8			
4004B	106.45	101.60	2.36	152.4			

All measurements are in millimetres



Numerical Listing - Sleeves

Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
4050B	107.85	103.00	2.36	158.8			
4125B	109.63	104.78	2.36	266.7			
4125C	111.21	104.78	3.17	266.7			
4250B	112.80	107.95	2.36	298.4			
4250C	114.39	107.95	3.17	298.4			
4500B	119.15	114.30	2.36	292.1			
4500C	120.74	114.30	3.17	292.1			
FCZ3661	94.90	93.00		181.0	100.8	0.90	
FSM3875	104.72	98.41	3.15	215.0	111.9		
FSV3740R-SF	99.00	95.00	2.00	191.8	104.5	2.50	1.20
FSW4000	107.97	101.60	3.17	257.0	113.7	4.75	
FSX3504	92.03	89.00	1.50	172.0	98.0	5.00	
FSX3504-SF	92.10	89.00	1.50	172.0	98.0	5.00	
FSX3583R-SF	95.07	91.00	2.04	184.0	100.8	1.25	2.59
FSX3740R-SF	100.00	95.00	2.50	190.5	107.6	2.52	1.10
FSX3780R-SF	100.09	96.00	2.04	180.0	104.8	3.51	
FSY3268	87.06	83.00	2.00	176.0	93.0	5.09	
FSY3268-SF	87.08	83.00	2.00	176.0	93.0	5.00	
FSY3622-SF	96.00	92.00	2.00	178.0	101.0	3.00	1.00
FSY3740	98.50	95.00	1.75	191.1	103.5	3.80	0.80
FSY3740-SF	98.50	95.00	1.75	191.1	103.5	3.80	0.80
FSY3780	99.02	96.00	1.51	164.0	105.0	5.20	
FSY3780-SF	99.02	96.00	1.51	160.0	105.0	5.10	
FSZ3500	96.92	88.90	3.98	167.0	100.9	3.77	0.63
FSZ3500-SF	96.84	88.90	3.97	167.1	101.0	3.80	0.80
FSZ3543	94.08	90.00	2.00	160.4	100.7	3.52	1.14
FSZ3543-SF	94.08	90.00	2.00	160.4	100.7	3.52	1.14
FSZ3583	95.06	91.00	2.00	183.5	100.8	1.20	2.54
FSZ3587-SF	94.20	91.10	1.55	165.0			
FSZ3616-SF	95.28	91.85	1.72	154.3	101.2		
FSZ3622	96.89	92.00	2.45	190.8	100.7	3.83	0.74
FSZ3622-SF	96.89	92.00	2.45	190.8	100.7	3.83	0.74
FSZ3625-SF	96.09	92.07	2.00	185.0	102.9		
FSZ3657	95.88	89.00	3.44	159.9	101.9	5.08	
FSZ3657-SF	95.88	89.00	3.44	159.9	101.9	5.08	
FSZ3740	102.07	95.00	3.50	190.0	107.5	2.58	1.00
FSZ3740-SF	102.05	95.00	3.50	190.0	107.6	2.54	1.10
FSZ3780	99.02	96.00	1.51	160.0	105.0	5.10	
FSZ3858	102.04	95.00	3.52	186.6	107.7	2.54	1.25
FSZ3858-SF	102.04	95.00	3.52	186.6	107.7	2.54	1.25
FSZ3877	103.20	98.51	2.34	227.3	106.4	3.68	1.17
FSZ4016-SF	106.04	102.00	2.02	184.0	111.7	2.52	1.20
FSZ4062-SF	108.06	103.18	2.46	215.9	111.0	4.75	
FSZ4221	111.29	107.32	1.98	239.6	112.7	5.46	1.02
FSZ5039-SF	133.11	127.99	2.54	277.2	135.8	4.27	
PSP3680-SF	97.28	93.47	1.90	157.2			
PSP3875-SF	103.56	98.42	2.56	228.9			
PSP4562-SF	120.75	115.88	2.44	235.5			
PSW3622-SF	96.08	92.00	2.04	179.0			
PSX3680-SF	96.77	93.47	1.65	157.2			
PSX4125-SF	108.88	104.78	2.05	218.4			
PSY4562-SF	122.22	115.88	3.17	241.3			
PSZ3386-SF	90.00	86.00	2.00	180.0			
PSZ3602-SF	97.43	91.49	2.97	216.2			
PSZ4062-SF	111.18	103.18	4.00	241.3			
PSZ4200-SF	110.80	106.68	2.06	209.6			
PSZ4221-SF	111.18	107.21	1.98	215.9			
PSZ4400-SF	116.64	111.76	2.44	208.3			
PSZ4562-SF	120.75	115.88	2.44	238.1			
RSA2719	87.08	83.00	2.00	176.0	93.0	5.09	

Numerical Listing - Sleeves



Part Number	Outer Diameter	Bore Size	Wall Section	Length	Flange Diameter	Flange Width	Flange Depth
RSA2719-SF	87.00	83.00	2.00	176.0	93.0	5.00	
RSA2727	95.06	91.00	2.00	183.5	100.8	2.54	1.20
RSA2727-SF	95.07	91.00	2.04	184.0	100.8	2.59	1.25
RSA2732	94.08	90.00	2.00	160.4	100.7	3.52	1.14
RSA2732-SF	94.08	90.00	2.00	160.4	100.7	3.52	1.14
RSA2741	96.92	88.90	3.98	167.0	100.9	3.77	0.63
RSA2741-SF	96.84	88.90	3.97	167.1	101.0	3.80	0.80
RSA2810/1	102.07	95.00	3.50	190.0	107.5	2.58	1.00
RSA2810/1-SF	102.05	95.00	3.50	190.0	107.6	2.54	1.10
RSA2810/2-SF	100.00	95.00	2.50	190.5	107.6	2.52	1.10
RSA2810/3-SF	99.00	95.00	2.00	191.8	104.5	2.50	1.20
RSA2811	102.04	95.00	3.52	186.6	107.7	2.54	1.25
RSA2811-SF	102.04	95.00	3.52	186.6	107.7	2.54	1.25
RSA2812-SF	106.04	102.00	2.02	184.0	111.7	2.52	1.20
RSA2813-SF	96.07	92.00	2.04	179.0			
RSA2814	96.89	92.00	2.45	190.8	100.7	3.83	0.74
RSA2814-SF	96.89	92.00	2.45	190.8	100.7	3.83	0.74
RSA2848-SF	90.00	86.00	2.00	180.0			
RSA2849	98.50	95.00	1.75	191.1	103.5	3.80	0.80
RSA2849-SF	98.50	95.00	1.75	191.1	103.5	3.80	0.80
RSA2866-SF	96.00	92.00	2.00	178.0	101.0	3.00	1.00
RSA2867	89.97	88.00	1.00	163.3	94.9	0.89	
RSA2868	88.01	86.00	1.00	178.5	94.0	0.92	
RSA2869	105.03	102.00	1.51	204.0	111.9	1.42	
RSA2870	105.03	102.00	1.51	204.0	111.9	1.42	
RSA2871	105.03	102.00	1.51	204.0	111.9	1.42	
RSA2872	98.50	95.00	1.75	191.1	103.5	3.80	0.80
RSA2872-SF	98.50	95.00	1.75	191.1	103.5	3.80	0.80
RSA2873	103.47	100.00	1.73	193.7	108.0	2.50	1.00
RSA2874	96.89	92.00	2.45	190.8	100.7	3.83	0.74
RSA2874-SF	96.89	92.00	2.45	190.8	100.7	3.83	0.74
RSA2876-SF	94.20	91.10	1.55	165.0			
RSA2877-SF	94.20	91.10	1.55	165.0			
RSA2878	92.03	89.00	1.50	172.0	98.0	5.00	
RSA2878-SF	92.10	89.00	1.50	172.0	98.0	5.00	
RSA2879	92.03	89.00	1.50	172.0	98.0	5.00	
RSA2879-SF	92.10	89.00	1.50	172.0	98.0	5.00	
RSA2880	95.88	89.00	3.44	159.9	101.9	5.08	
RSA2880-SF	95.88	89.00	3.44	159.9	101.9	5.08	
RSA2881-SF	99.02	96.00	1.51	160.0	105.0	5.10	
RSA2881/1	99.02	96.00	1.51	160.0	105.0	5.10	
RSA2881/2	99.02	96.00	1.51	164.0	105.0	5.20	
RSA2884-SF	100.09	96.00	2.04	180.0	104.8	3.51	
RSA2891	88.01	86.00	1.00	163.4	94.0	0.92	
RSA2906	101.04	98.00	1.52	180.8	108.0	1.42	
RSA2922	94.90	93.00		181.0	100.8	0.90	
RSA2952	92.03	89.00	1.50	172.0	98.0	5.00	
RSA2952-SF	92.10	89.00	1.50	172.0	98.0	5.00	
RSA2957-SF	94.20	91.10	1.55	165.0			
WSJ3500	93.67	88.90	2.39	185.5	101.4	5.69	
WSX3425	92.56	87.00	2.92	171.4	104.4	3.17	



Numerical Listing - Pistons By Bore Size

Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB
62.020	2863	27.1	57.1	25.5	78.000	2706	38.5	78.1	33.3	84.815	2987	33.6	53.6	24.5
64.592	2715	33.6	65.2	25.4	78.000	8043	32.0	62.7	24.0	84.815	2838	33.6	53.6	24.5
64.592	2714	29.9	57.7	23.8	78.000	8044	32.0	62.7	24.0	84.815	2855	33.6	53.6	24.5
65.530	2784	24.5	55.0	25.5	78.015	2647	38.1	75.0	33.5	85.000	2735	35.2	82.5	30.8
70.000	2671	26.5	59.2	25.0	79.000	2979	27.6	48.0	21.2	85.000	2764	37.6	78.2	26.0
70.625	2272	37.4	69.2	25.4	79.000	2998	27.6	48.0	21.2	85.000	8051	35.1	64.8	32.5
71.000	2890	28.8	60.0	25.0	79.388	2663	45.2	77.7	30.5	85.000	8057	30.6	65.0	27.0
71.000	2984	29.3	60.1	25.2	80.000	2937	36.1	73.1	31.0	85.000	2893	35.0	72.4	32.5
72.010	2839	27.1	65.0	24.2	80.000	2686	32.5	70.4	30.0	85.000	8029	34.9	64.6	32.5
72.997	2562	32.4	67.4	25.5	80.000	2527	32.9	70.9	28.7	85.000	8028	35.1	64.8	32.5
73.000	8004	29.9	62.0	24.0	80.000	2745	40.0	72.0	29.5	85.000	2834	31.6	67.0	26.0
73.001	2595	36.5	68.6	31.0	80.000	2626	35.6	72.6	33.5	85.032	2900	38.1	78.2	26.0
73.002	2724	33.2	70.2	26.0	80.000	2938	31.9	57.1	26.7	85.032	2656	38.1	78.2	26.0
74.000	2781	27.7	62.7	24.8	80.264	2711	41.7	64.8	33.3	85.740	2654	52.7	93.7	27.0
74.000	2993	28.3	55.7	25.4	80.500	2843	33.0	68.0	30.5	85.776	2028	45.2	81.0	28.6
74.000	2929	28.9	55.8	25.5	80.500	2892	35.6	68.9	28.0	86.000	8020	36.4	66.5	28.2
74.000	2668	27.1	57.1	25.0	80.500	2541	39.0	80.0	30.0	86.000	8032	34.8	68.0	28.6
74.010	2934	28.1	55.0	25.5	80.600	2945	33.5	68.5		86.000	2976	30.5	55.4	25.0
74.010	2940	29.7	59.7	20.7	80.900	2748	34.9	72.0	33.5	86.000	2700	37.6	78.2	26.0
74.689	2804	29.0	62.0	26.0	80.937	2766	37.7	69.7	30.0	86.000	2818	34.7	69.9	30.5
75.000	2972	30.8	60.8	20.9	80.975	2197	38.4	76.8	29.7	86.000	2819	34.4	70.0	30.5
75.000	2962	28.5	55.3	26.4	80.998	2530	43.7	82.5	23.9	86.000	2891	52.000	95.500	0.000
75.000	2973	29.1	59.1	20.0	80.998	2537	43.7	82.5	29.8	86.000	2868	51.562	95.550	0.000
75.000	2928	28.1	58.0	25.7	81.000	8011	30.4	64.5	24.0	86.000	2824	33.7	66.7	28.6
75.000	2974	29.6	59.6	20.5	81.000	8058	30.2	55.2	24.5	86.000	2968	30.4	55.4	25.0
75.010	2509	35.5	74.5	28.6	81.000	2977	30.8	65.0	26.9	86.000	2927	32.0	63.0	25.0
75.500	8038	29.0	57.6	25.0	81.000	8018	30.4	64.5	24.0	86.000	2799	32.5	64.0	24.0
75.500	7005		54.3	18.0	81.000	2970	29.8	65.2	26.9	86.000	2967	30.4	55.4	25.0
75.500	8040	28.6	57.6	25.0	81.000	8007	30.4	62.0	24.0	86.000	8067	30.4	55.4	25.0
75.500	8039	29.1	58.1	25.0	81.000	8003	30.4	58.0	24.0	86.000	8002	34.8	65.0	28.6
76.000	2931	30.2	60.5	26.3	81.000	8019	30.4	61.0	24.5	86.000	2963	36.5	72.0	30.4
76.000	8055	33.1	63.0	24.0	81.000	8059	30.2	55.2	24.5	86.000	2966	30.4	55.4	25.0
76.000	2985	30.5	61.0	24.0	81.000	2958	30.8	59.8	25.0	86.000	9301	32.1	64.0	24.0
76.000	8054	32.1	62.0	24.0	81.000	2971	30.8	65.4	26.9	86.000	2989	30.4	55.4	25.0
76.000	2721	32.500	62.500	24.000	81.564	2155	46.431	81.991	27.940	86.000	2737	33.9	67.0	30.0
76.000	2949	33.5	64.8	24.5	81.600	2990	30.4	56.4	25.0	86.000	2848	47.3	86.3	30.0
76.000	2896	28.0	60.0	25.0	82.000	9090	36.5	79.4	33.5	86.000	8021	35.9	69.0	28.2
76.000	8037	32.1	62.0	24.0	82.000	2586	36.5	79.4	33.5	86.361	2643	44.2	88.6	34.5
76.000	2918	28.4	60.0	25.0	82.575	2085	45.2	79.5	28.4	86.500	8061	34.6	67.0	31.0
76.000	2930	30.3	60.5	26.5	82.700	8056	29.5	58.5	26.0	86.500	8065	34.6	67.0	31.0
76.010	8022	29.1	54.0	23.5	83.000	2954	32.7	72.2	28.4	86.500	8063	35.5	67.4	31.0
76.030	2831	30.0	65.0	25.5	83.000	2943	29.9	54.0	19.5	86.500	8062	34.6	67.0	31.0
76.212	2768	35.7	59.3	24.3	83.000	2960	38.0	65.0	25.0	87.000	2959	35.5	71.8	26.2
76.500	2996	28.0	51.0	23.5	83.000	2719	48.0	96.0	33.5	87.000	8036	31.6	63.8	24.0
76.910	2705	33.0	70.0	27.0	83.000	2953	32.5	71.0	27.4	87.000	2743	36.5	79.5	31.0
76.913	2572	33.6	70.5	27.0	83.000	2517	38.1	78.2	26.0	87.000	8034	31.6	63.8	24.0
77.000	8053	28.2	58.0	24.0	83.000	8047	30.2	60.5	24.5	87.000	8035	31.6	63.8	24.0
77.000	2699	30.6	62.5	25.4	83.000	8046	30.2	60.5	24.5	87.000	8001	32.4	58.4	28.2
77.010	8050	28.6	59.3	24.0	83.000	2733	32.6	70.6	28.5	87.015	2820	31.9	67.0	24.0
77.010	8049	28.6	59.3	24.0	83.000	2995	29.7	60.0	23.0	87.213	2298	41.0	84.0	32.5
77.010	8048	28.6	59.3	24.0	84.000	2731	38.9	85.4	32.0	87.500	8025	33.9	63.9	25.6
77.010	2772	27.5	62.5	24.5	84.000	2859	36.7	78.7	30.9	87.500	8014	33.9	62.6	25.6
77.500	8052	30.7	60.5	24.0	84.000	2734	33.0	69.9	30.8	87.500	8013	32.2	62.2	25.5
77.600	2978	31.7	56.1	21.5	84.000	2744	44.7		30.5	87.500	7004	30.800	51.000	22.400
77.600	2969	32.0	59.0	21.2	84.060	2691	39.8	78.8	34.5	88.000	2904	37.0	78.0	
77.800	2075	45.1	77.7	30.1	84.500	2961	29.1	55.8	24.5	88.000	2867	47.570	82.600	
77.953	2515	39.3	77.1	26.7	84.500	8010	29.6	57.1	25.0	88.000	2923	47.6	82.6	
78.000	8041	31.4	62.1	24.0	84.800	2935	39.7	71.7	29.3	88.000	2728	52.3	102.3	34.5
78.000	8042	32.0	62.7	24.0	84.800	2999	32.538	56.600	28.400	88.012	2534	39.0	85.0	34.0

Numerical Listing - Pistons By Bore Size



Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB	Bore Size	Base Number	Comp Height	Length	DBB
88.514	2555	39.6	84.8	32.5	92.270	4001	35.4	65.3	28.4	101.600	9490	43.7	75.7	32.0
88.890	2603	46.0	71.0	34.0	92.270	9400	35.4	65.3	28.4	101.600	4901	43.7	75.6	32.0
88.913	2652	39.8	86.0	30.5	92.275	2864	35.3	65.4	28.4	101.600	9570	38.3	70.3	32.0
88.920	2741	50.750	94.600	34.300	92.600	8031	36.4	70.7	27.0	101.600	5002	101.6	80.5	28.4
88.943	2505	45.3	81.2	28.4	92.600	2992	36.1	78.6	30.0	101.600	9500	43.0	74.9	32.0
89.000	8033	33.8	68.3	27.0	92.900	2880	50.3	87.0	36.0	101.600	4902	44.2	76.2	32.0
89.000	8016	33.8	65.7	27.0	93.000	8068	30.8	64.8	22.5	101.600	9358	28.4	59.5	29.8
89.000	2952	48.0	80.0	35.0	93.000	2922	51.9	92.0		101.600	9377	41.5	73.9	32.0
89.000	2878	48.0	90.0		93.000	2988	47.8	87.4	36.5	101.600	5006	39.1	71.6	32.0
89.000	8012	33.8	65.7	27.0	93.000	8069	31.6	64.8	22.5	101.600	9355	35.8	68.2	32.0
89.000	8024	33.8	65.7	27.0	93.400	2994	31.8	65.2	25.8	101.600	9359	31.9	63.1	29.8
89.000	2879	48.0	90.0		93.472	4105	38.9	70.3	31.0	101.600	9353	41.1	71.6	32.0
89.300	8030	33.8	73.2	28.2	93.472	4103	38.9	70.3	31.0	101.600	9378	41.5	73.9	32.0
90.000	2732	52.2	99.2	34.5	93.472	4104	38.9	70.3	31.0	101.600	5005	40.3	72.3	32.0
90.000	2638	47.0	94.9	29.2	93.472	4102	38.862	75.006	29.997	101.600	9356	35.8	67.7	32.0
90.000	2732	52.2	99.2	34.5	93.490	9410	38.8	70.3	31.0	101.600	9348	34.0	64.9	29.8
90.000	7001	35.100	74.000	25.400	93.490	9413	29.7	55.7	29.0	101.600	5003	101.6	80.5	28.4
90.513	2151	57.8	99.6	37.3	93.490	9412	29.7	55.7	29.0	101.600	9105	42.926	80.518	28.448
90.813	2526	41.1	79.1	30.0	93.490	9411	38.8	70.3	31.0	101.648	2623	44.3	87.0	32.4
91.000	2727	52.1	102.2	34.2	93.500	7003	33.600	63.000	25.200	101.651	9351	41.9	73.9	32.0
91.000	2947	56.300	91.300	33.100	93.987	2648	47.2	94.9	30.8	102.000	2955	55.3	101.3	
91.000	2858	34.6	65.0	31.0	94.000	2981	44.300	80.300	30.000	102.000	2910	63.4	104.4	
91.100	2877	48.7	88.7		94.000	2822	37.4	79.6	31.7	102.000	2870	58.8		
91.100	2957	48.7	88.8		94.000	2980	49.7	80.7	29.0	102.000	2871	58.75		
91.100	8017	35.0	77.0	34.5	94.000	2939	43.6	80.6	30.0	102.000	2812	52.2	101.2	
91.100	8015	31.7	66.0	25.6	94.163	9080	41.8	76.3	28.4	102.000	2869	62.7		
91.100	8026	31.5	65.8	25.0	95.000	2872	53.5	100.5		102.000	2948	51.7	86.9	
91.100	8066	30.8	64.8	24.5	95.000	7002	37.100	61.000	28.700					
91.100	8027	31.8	65.8	25.0	95.000	2810	52.3	101.3	36.0					
91.140	2889	36.0	70.6	32.0	95.000	2946	35.2	58.1	28.8					
91.140	2933	36.5	71.5	32.0	95.000	2950	35.5	67.5	29.0					
91.140	2844	36.0	71.0	32.0	95.020	2849	58.5	115.5	36.5					
91.888	9390	35.4	65.0	29.0	95.534	2502	42.9	86.1	30.7					
91.888	3900	35.0	65.0	29.0	96.000	2881	50.3	87.1	36.3					
92.000	8064	35.8	57.8	28.2	96.000	2884	43.3	80.3	40.5					
92.000	2874	60.3	103.3	32.0	96.000	2862	40.5	80.0	28.0					
92.000	7000	31.500			96.520	9380	36.8	66.8	24.9					
92.000	2919	50.5	95.0		96.520	3802	27.6	53.1	25.0					
92.000	8000	34.5	63.8	30.0	96.520	3801	36.8	66.8	24.9					
92.000	2836	38.9		31.2	96.520	3800	35.5	65.5	24.4					
92.000	2666	31.5	59.2	25.0	96.888	2033	51.9	96.3	38.1					
92.000	2813	49.2	86.3	32.0	96.900	2964	33.3	68.0						
92.000	2852	52.5	99.5	39.5	98.000	2906	62.500	112.300						
92.000	2814	60.2	115.7	36.0	98.030	2811	52.2	101.2	35.0					
92.000	2982	44.3	80.3	29.4	98.425	5167	70.2	117.0	39.7					
92.118	3300	42.3	76.9	28.3	98.438	2552	49.1	87.3	31.8					
92.118	9118	42.7	74.4	28.4	99.344	2504	42.9	86.1	30.7					
92.118	9115	42.8	79.4	28.4	100.000	2873	58.0	105.0						
92.118	9096	42.7	74.4	28.4	100.000	2991	42.0	76.0	29.5					
92.118	9253	42.8	77.4	28.4	100.000	2926	60.6	110.7						
92.118	3302	42.3	76.9	28.3	101.600	9350	39.6	71.6	32.0					
92.118	3301	42.2	76.7	28.4	101.600	9352	39.3	71.3	32.0					
92.118	9119	44.9	77.4	28.4	101.600	5800	41.4	73.4	32.0					
92.131	4201	42.8	77.4	28.4	101.600	9302	40.7	72.7	32.0					
92.131	4200	42.8	77.4	28.4	101.600	9354	41.5	73.9	32.0					
92.131	3000	45.2	79.8	28.4	101.600	9347	27.8	59.0	29.8					
92.131	3001	45.2	79.8	28.4	101.600	5004	43.0	75.0	32.0					
92.131	2956	41.4	95.6	31.3	101.600	9571	38.3	70.3	32.0					
92.260	4002	30.7	57.1	29.2	101.600	9379	41.5	73.9	32.0					

DBB is distance between bosses.

All measurements are in millimetres.



Numerical Listing - Ring Sets By Bore Size

Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width	Width	Width
50.00	1632	1	1.78	1.78				75.00	1414	4	2.50	2.50	4.00		
57.15	263	6	2.36	2.36	4.75			75.50	1829	4	1.20	1.50	3.00		
61.50	1605	1	2.36	2.36				75.50	1923	4	1.50	1.50	3.00		
62.00	1778	3	1.50	1.50	2.80			75.50	1802	4	1.50	1.50	4.00		
62.00	1786	4	1.50	1.50	2.80			76.00	1837	4	1.20	1.50	3.00		
62.92	981	4	1.78	1.78	1.78	3.20		76.00	1672	4	1.20	2.00	4.00		
62.93	1217	4	1.78	1.78	4.00			76.00	1791	3	1.50	1.50	2.80		
64.57	1145	4	1.57	1.58	3.17			76.00	1859	4	1.50	1.50	3.00		
64.57	1259	4	1.57	2.00	4.00			76.00	1823	4	1.50	1.50	3.00		
65.50	1678	4	1.50	1.50	2.80			76.00	1833	4	1.50	1.50	3.00		
66.00	1845	4	1.50	1.50	4.00			76.00	1644	4	1.50	1.50	4.00		
68.00	1333	4	2.00	2.00	4.00			76.00	1858	4	1.50	1.50	4.00		
68.50	1664	3	1.50	1.50	2.80			76.00	1537	4	1.50	2.00	4.00		
69.50	1693	4	1.50	1.50	4.00			76.00	1836	4	2.00	2.00	4.00		
70.00	1506	4	1.50	1.50	2.80			76.00	1645	4	2.00	2.00	4.00		
70.00	3324	4	2.00	2.00	3.20			76.20	1358	4	1.57	1.58	4.00		
70.00	1352	4	2.00	2.00	4.00			76.20	1359	6	1.57	1.58	4.00		
70.61	1553	4	1.20	1.20	1.20	4.00		76.20	1690	2	1.58	1.58	1.58	4.00	
70.61	1251	4	1.58	1.58	1.58	4.00		76.20	1739	4	1.58	1.58	4.00		
71.00	1797	4	1.20	1.50	3.00			76.20	1273	4	2.00	2.00	4.75		
71.00	1898	4	1.50	1.50	4.00			76.20	1841	1	3.15	2.36	2.36	4.00	4.00
71.500	1946	4	1.500	1.500	3.000			76.50	1904	4	1.50	1.50	3.00		
71.93	1505	4	1.75	2.00	4.00			76.50	1760	4	2.00	2.50	4.00		
72.00	1566	4	1.50	1.50	2.80			76.90	1430	4	2.00	2.00	4.00		
72.00	1676	4	1.50	1.50	4.00			76.90	1603	4	2.00	2.00	4.00		
73.00	1808	4	1.50	1.50	3.00			77.00	1801	4	1.20	1.20	2.80		
73.00	1589	4	1.50	1.50	4.00			77.00	1656	4	1.20	1.50	4.00		
73.00	1589	4	1.50	1.50	4.00			77.00	1600	4	1.50	1.50	4.00		
73.00	1335	4	2.00	2.00	4.00			77.00	1675	4	1.50	1.50	4.00		
73.00	1112	4	2.00	2.00	4.00			77.00	1657	4	1.50	2.00	4.00		
73.00	1363	4	2.00	2.00	4.00			77.00	1679	4	1.50	2.80			
73.03	1361	4	2.00	2.00	4.00			77.00	1402	4	1.75	2.00	4.00		
73.65	1408	4	1.57	1.58	4.00			77.00	1239	4	2.00	2.00	4.00		
74.00	1882	4	1.00	1.20	2.80			77.40	1925	4	1.25	1.20	2.50		
74.00	1930	4	1.20	1.20	2.50			77.50	1673	4	1.50	1.50	2.80		
74.00	1881	4	1.20	1.20	2.80			77.50	1673	4	1.50	1.50	2.80		
74.00	1910	4	1.20	1.20	3.00			77.60	1892	4	1.50	1.50	3.00		
74.00	1770	4	1.20	1.50	2.80			77.79	1089	6	1.78	1.78	4.00		
74.00	1764	3	1.20	1.50	2.80			77.79	1253	4	2.00	2.00	4.75		
74.00	1804	4	1.50	1.50	2.80			77.79	993	6	2.36	2.36	4.75		
74.00	1674	4	1.50	1.50	4.00			77.95	1429	4	2.00	2.00	4.00		
74.00	1565	4	1.50	1.50	4.00			78.00	1604	4	1.20	1.50	4.00		
74.50	1371	4	2.00	2.00	4.00			78.00	1863	4	1.50	1.50	2.80		
74.70	1353	6	1.58	1.58	4.00			78.00	1821	4	1.50	1.50	3.00		
75.00	1870	4	1.00	1.20	2.80			78.00	1729	4	1.50	1.50	4.00		
75.00	1929	4	1.20	1.20	2.50			78.00	1362	4	1.50	1.50	4.00		
75.00	1869	4	1.20	1.50	2.80			78.00	1790	4	1.50	2.00	4.00		
75.00	1835	4	1.20	1.50	2.80			78.00	1249	4	2.00	2.00	4.00		
75.00	1891	4	1.20	1.50	4.00			78.00	1194	4	2.00	2.49	4.00		
75.00	1902	4	1.50	1.50	3.00			79.00	1926	4	1.20	1.20	3.00		
75.00	1843	4	1.50	1.50	4.00			79.000	1940	4	1.200	1.500	2.500		
75.00	1918	4	1.50	1.50	4.00			79.00	1901	4	1.20	1.50	3.00		
75.00	1920	4	1.50	1.75	3.00			79.00	1922	4	1.20	1.50	3.00		
75.00	1897	4	1.75	2.00	3.00			79.00	1526	4	2.00	2.00	5.00		
75.00	1916	4	1.75	2.00	4.00			79.38	1369	6	2.00	2.00	4.75		
75.00	1247	4	2.00	2.00	4.00			79.50	1800	4	1.75	2.00	4.00		
75.00	1246	6	2.00	2.00	4.00			80.00	1599	4	1.20	1.50	4.00		
75.00	1539	4	2.00	2.00	4.00			80.00	1811	4	1.50	1.50	3.00		
								80.00	1707	4	1.50	1.50	4.00		

Numerical Listing - Ring Sets By Bore Size



Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width	Width	Width
80.00	1663	4	1.50	1.75	4.00			84.50	1868	6	1.50	1.50	3.00		
80.00	1655	4	1.50	2.00	4.00			84.50	1685	4	1.50	1.50	4.00		
80.00	1716	4	1.57	2.00	4.00			84.80	1731	4	1.50	1.50	3.00		
80.00	1370	6	2.00	2.00	2.00	4.00		84.80	1915	4	1.50	1.75	3.00		
80.00	1476	4	2.00	2.00	4.00			84.80	1680	4	1.50	1.75	4.00		
80.25	3088	4	1.57	1.58	1.58	4.00		85.00	1864	4	1.20	1.20	2.80		
80.25	1432	4	1.57	1.58	4.00			85.00	1867	4	1.20	1.50	2.80		
80.50	1736	4	1.50	1.50	4.00			85.00	1840	4	1.20	1.50	3.00		
80.50	1899	4	1.50	2.00	4.00			85.00	1893	4	1.20	1.50	3.00		
80.50	1554	4	2.00	2.00	4.00			85.00	1615	4	1.50	1.50	4.00		
80.60	1810	4	1.50	1.50	4.00			85.00	1654	4	1.50	1.50	4.00		
80.60	1667	4	2.00	2.00	4.00			85.00	1694	4	2.00	2.00	4.00		
80.95	1462	4	2.00	2.00	4.75			85.00	1149	4	2.00	2.00	4.00		
80.98	1541	4	1.57	2.00	4.00			85.00	1434	4	2.00	2.00	4.00		
80.98	1540	4	2.00	2.00	4.00			85.00	374	4	2.00	2.00	4.75		
81.00	1884	4	1.20	1.20	2.80			85.00	3305	2	2.50	2.50	5.00		
81.00	1806	4	1.20	1.50	2.80			85.50	1241	4	2.00	2.00	5.00		
81.00	1865	4	1.20	1.50	2.80			85.70	1410	4	2.00	2.00	4.75		
81.00	1860	4	1.20	1.50	3.00			85.70	1590	6	2.50	2.50	4.75		
81.00	1741	4	1.50	1.50	2.80			85.70	3190	6	2.50	2.50	4.75		
81.00	1805	4	1.50	1.50	3.00			85.73	1210	6	2.00	2.00	4.75		
81.00	1719	4	1.50	1.50	4.00			85.73	1011	6	2.36	2.36	4.75		
81.00	1866	4	1.50	1.75	3.00			86.000	1942	4	1.200	1.200	2.800		
81.00	9099	4	1.57	2.00	4.00			86.00	1927	4	1.20	1.20	3.00		
81.10	1684	4	1.50	1.50	4.00			86.00	1838	4	1.20	1.50	4.00		
81.50	1895	4	1.20	1.50	3.00			86.000	1944	6	1.200	2.000	4.000		
81.54	1097	4	2.00	2.00	4.00			86.00	1686	6	1.50	1.50	2.80		
81.60	1906	4	1.50	1.50	3.00			86.00	1936	6	1.50	1.50	3.00		
82.00	1924	4	1.20	1.20	2.50			86.00	1834	4	1.50	1.50	3.00		
82.00	1606	4	1.50	1.50	4.00			86.00	1735	4	1.50	1.50	3.00		
82.00	1465	4	2.00	2.00	4.00			86.00	1742	4	1.50	1.50	4.00		
82.30	1937	4	1.20	1.50	3.00			86.00	1825	4	1.50	1.50	4.00		
82.55	1114	6	2.00	2.00	4.75			86.00	1714	4	1.50	1.50	4.00		
82.70	1847	4	1.50	1.50	4.00			86.00	1660	4	1.50	1.50	4.00		
83.00	1857	4	1.20	1.50	3.00			86.00	1616	6	1.50	2.00	4.00		
83.00	1846	4	1.50	1.50	2.80			86.00	1733	4	2.00	2.00	4.00		
83.00	1850	4	1.50	1.50	3.00			86.00	1601	6	2.00	2.00	4.00		
83.000	1941	4	1.500	1.500	4.000			86.00	1730	6	2.00	2.00	4.00		
83.00	1839	6	1.50	1.50	4.00			86.00	1334	4	2.00	2.50	4.00		
83.00	1886	6	1.50	1.50	4.00			86.00	1659	4	2.50	2.00	5.00		
83.00	1871	4	1.50	2.00	4.00			86.36	1071	6	2.00	2.00	4.75		
83.00	1263	4	2.00	2.00	4.00			86.50	1879	4	1.20	1.50	2.80		
83.00	1242	4	2.00	2.00	4.00			86.50	1880	4	1.20	1.50	3.00		
83.00	1431	6	2.00	2.00	4.00			86.50	1813	4	1.50	1.50	4.00		
83.00	366	6	2.00	2.00	4.00			86.50	1543	6	2.00	2.50	4.00		
83.00	1612	2	2.50	2.00	2.00	4.50	4.50	87.00	1876	6	1.20	1.20	4.00		
83.00	1538	2	2.50	2.00	2.00	4.50	4.50	87.00	1849	6	1.50	1.50	2.80		
83.00	1734	2	2.50	2.00	4.00			87.00	1914	4	1.50	1.50	3.00		
83.00	1826	6	2.50	2.00	4.00			87.00	1715	4	1.50	1.50	4.00		
84.00	1653	4	1.50	1.50	4.00			87.00	1807	4	1.50	1.50	4.00		
84.00	1653	4	1.50	1.50	4.00			87.00	1726	4	1.50	1.50	4.00		
84.00	1651	4	1.50	2.00	4.00			87.00	1661	4	2.00	2.00	4.00		
84.00	1518	4	1.50	2.00	4.00			87.00	1720	1	2.00	2.00	4.75	4.72	
84.00	1649	4	1.50	2.00	4.00			87.20	1459	4	2.00	2.50	4.00		
84.00	1575	4	2.00	2.00	4.00			87.500	1945	6	1.200	1.200	3.000		
84.00	1570	4	2.00	2.00	4.00			87.50	1928	4	1.20	1.20	3.00		
84.00	1662	4	2.50	2.00	4.00			87.50	1814	6	1.50	1.50	3.00		
84.50	1687	4	1.50	1.50	2.80			87.50	1815	6	1.50	1.50	4.00		

All measurements are in millimetres.



Numerical Listing - Ring Sets By Bore Size

Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring	Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width				Width	Width	Width	Width	Width
87.50	1889	4	1.50	1.50	4.00			92.00	1761	4	1.20	1.50	4.00		
87.65	1388	4	2.00	2.49	4.00			92.00	1824	4	1.50	1.50	4.00		
87.900	1943	4	1.200	1.500	3.000			92.00	1713	4	1.50	1.50	4.00		
88.00	1830	4	1.50	1.50	4.00			92.00	1563	4	2.00	2.00	4.00		
88.00	1529	4	1.50	2.00	4.00			92.00	1710	4	2.00	2.00	4.00		
88.00	1464	4	2.00	2.00	2.00	4.00	4.00	92.00	1900	4	2.00	2.00	4.00		
88.00	1681	4	2.00	2.00	4.00			92.00	1671	4	2.00	2.50	4.00		
88.00	1788	4	2.00	2.00	4.00			92.00	1609	2	2.36	2.36	2.36	4.75	4.75
88.00	1789	4	2.00	2.00	4.00			92.00	1774	6	2.40	2.40	4.80		
88.00	1298	4	2.00	2.50	4.00			92.00	1746	4	2.50	2.00	2.00	4.50	
88.00	1828	4	2.50	2.00	4.00			92.00	1759	4	2.50	2.00	4.00		
88.00	1758	4	2.50	2.00	4.00			92.00	1765	6	2.50	2.00	4.50		
88.00	1753	6	2.50	2.50	2.50	4.00	4.00	92.08	9116	8	1.50	1.50	4.00		
88.00	1648	6	2.50	2.50	4.00			92.08	9112	8	1.50	1.50	4.00		
88.50	1446	4	2.00	2.50	4.00			92.08	9114	6	1.50	1.50	4.00		
88.90	1445	8	0.08	2.00	4.75			92.08	1357	6	2.00	2.00	4.75		
88.90	1747	8	1.57	1.58	4.75			92.08	1728	6	2.00	2.00	4.75		
88.90	1702	2	2.00	2.00	4.75			92.08	1286	8	2.00	2.00	4.75		
88.90	1032	6	2.00	2.00	4.75			92.15	1844	6	1.50	1.50	4.00		
88.90	1479	8	2.00	2.00	4.75			92.25	1903	6	1.20	1.50	3.00		
88.90	1643	2	2.00	2.00	4.75			92.30	1762	6	1.50	1.50	3.00		
88.90	1409	4	2.00	2.00	4.75			92.60	1818	4	1.50	1.50	4.00		
88.90	1354	6	2.00	2.00	4.75			92.90	1779	4	2.50	2.00	4.00		
88.90	1545	2	2.36	2.36	2.36	4.75	4.75	93.00	1894	6	1.50	1.50	3.00		
88.90	1658	4	2.36	2.36	4.75			93.00	1827	4	2.00	2.00	4.00		
88.90	1204	4	2.36	2.36	2.36	4.75	4.75	93.00	1905	4	2.50	2.00	3.00		
88.90	1743	4	2.36	2.36	4.75			93.40	1912	6	1.50	1.50	3.00		
88.90	1772	4	2.36	2.36	4.75			93.40	1911	6	1.50	1.50	4.00		
88.94	1576	4	2.00	2.00	4.75			93.47	9124	6	1.50	1.50	3.00		
89.00	1809	4	1.50	1.50	2.80			93.470	9127	8	1.500	1.500	4.000		
89.00	1755	4	1.50	1.50	4.00			93.47	9121	6	1.50	1.50	4.00		
89.00	1749	4	2.00	1.50	4.00			93.47	9126	6	1.50		3.00		
89.00	1756	4	2.50	2.00	4.50			93.47	1166	6	2.00	2.00	4.75		
89.30	1817	4	1.50	1.50	4.00			93.47	9123	6	1.50	1.50	4.00		
89.41	1325	6	2.00	2.00	4.75			93.47	1666	6	1.50	1.50	4.00		
90.00	1831	6	1.50	1.50	4.00			93.50	1939	6	1.50	1.50	4.00		
90.00	1652	4	2.00	2.00	4.00			93.66	1235	4	2.00	2.00	4.75		
90.00	1435	4	2.00	2.00	5.00			93.66	1234	4	2.00	2.00	4.75		
90.00	1542	6	2.00	2.50	4.00	4.00		93.66	992	6	2.36	3.15	4.75		
90.00	1751	4	2.50	2.00	4.00			94.00	1798	6	1.50	1.50	4.00		
90.00	1556	6	3.00	3.00	4.00	4.00		94.00	1822	6	2.00	2.00	4.00		
90.49	1040	4	1.78	1.78	4.75			94.00	1784	6	2.00	2.00	4.00		
90.49	1113	6	2.00	2.00	4.75			94.00	1546	6	2.00	2.50	4.00		
90.49	3170	4	2.36	2.36	2.36	4.75	4.75	95.00	1938	4	1.50	1.50	4.00		
90.80	1355	4	2.00	2.50	4.00			95.00	1861	4	1.75	1.50	4.00		
91.00	1744	4	1.50	1.50	4.00			95.00	1650	4	2.50	2.50	2.50	4.50	
91.00	1754	6	2.50	2.50	2.00	4.00		95.00	1712	4	2.50	2.50	4.50		
91.00	1842	6	2.50	2.50	4.00			95.03	1737	4	2.40	2.40	4.80		
91.00	1647	6	2.50	2.50	4.00			95.50	1296	6	2.00	2.00	4.75		
91.10	1803	6	1.20	1.50	3.00			96.00	1785	4	2.00	2.00	4.00		
91.10	1816	6	1.50	1.50	4.00			96.00	1781	6	2.50	2.00	4.00		
91.10	1878	4	2.00	2.00	3.00			96.00	1780	4	2.50	2.00	4.00		
91.10	1883	4	2.00	2.00	4.00			96.50	1727	6	1.50	1.50	3.00		
91.10	1588	4	2.00	2.00	4.00			96.52	1812	6	1.20	1.50	3.00		
91.10	1777	4	2.50	2.00	4.00			96.52	9100	6	1.50	1.50	3.00		
91.10	1776	4	2.50	2.00	4.00			96.52	9095	6	1.50	1.50	4.00		
91.85	1896	6	1.50	1.50	3.00			96.82	1031	6	2.36	3.15	4.75		
91.85	1717	6	1.50	1.50	4.00			96.90	1885	4	1.20	1.50	3.00		

Numerical Listing - Ring Sets By Bore Size



Bore Size	Base Number	Cyl.	1st Ring	2nd Ring	3rd Ring	4th Ring	5th Ring
			Width	Width	Width	Width	Width
97.54	1692	4	2.00	2.00	4.75		
98.00	1819	4	3.00	2.50	5.00		
98.42	1872	4	2.00	2.00	4.75		
98.43	1908	6	1.50	1.50	4.00		
98.43	1890	4	1.50	1.50	4.00		
98.43	3329	4	2.00	2.00	4.75		
98.43	1297	8	2.00	2.00	4.75		
98.43	3226	6	2.00	2.00	4.75		
98.43	1487	6	2.36	2.36	4.75	4.72	
98.43	3236	6	2.36	2.36	4.75		
98.43	1147	8	2.36	2.36	4.75		
98.55	1451	8	2.36	2.00	2.00	4.75	
99.00	1931	8	1.50	1.50	3.00		
99.31	1148	8	2.00	2.00	4.75		
99.31	1321	8	2.00	2.00	4.75		
99.31	1340	6	2.00	2.00	4.75		
100.00	1907	6	1.75	2.00	4.00		
100.00	1773	4	2.50	2.00	4.50		
100.00	1875	4	3.00	2.00	4.00		
100.00	1873	4	3.00	2.00	4.00		
100.00	1832	4	3.00	2.00	4.00		
100.00	1757	4	3.00	2.00	4.50		
100.00	1610	4	3.00	2.00	5.00		
100.00	1775	4	3.00	2.00	5.00		
101.60	9122	8	1.20	1.50	3.00		
101.60	1932	8	1.50	1.50	3.00		
101.60	1862	8	1.50	1.50	4.00		
101.60	9110	8	1.50	1.50	4.00		
101.60	1848	8	1.50	1.50	4.00		
101.60	9106	8	1.50	1.50	4.00		
101.60	9125	8	1.50		3.00		
101.60	9103	8	1.57	1.58	4.75		
101.60	1921	8	2.00	1.50	4.00		
101.60	3466	6	2.00	2.00	4.75		
101.60	9098	8	2.00	2.00	4.75		
101.60	1561	8	2.00	2.00	4.75		
101.60	1478	8	2.00	2.00	4.75		
102.00	1877	4	2.50	2.00	4.00		
102.00	1820	4	2.50	2.50	4.50		
102.00	1709	4	2.50	2.50	4.50		
102.00	1769	6	3.00	2.50	5.00		
103.19	1486	6	2.36	2.36	2.36	4.75	4.72
104.00	1874	4	3.00	2.00	4.00		
104.78	1512	2	2.36	2.36	2.36	4.75	
107.21	1509	6	3.48	3.48	6.32	6.32	
111.76	1290	1	2.36	2.36	2.36	4.72	