

Gavin Carter 07454929136 info@gcpistonrings.com

## Reproduction & Custom made Piston Rings, Parts, Bearings & Mechanical Restorations.

### Piston Rings:

**AERO RESEARCH & DEVELOPMENT Co** AERO 35  
**A&M** A&M SACHS 2.0 (33cc) **ACM** ACM 61 **AGM** AGM 30cc, AGM 60cc Twin  
**ASP** , ASP 61, ASP 91 series 3, ASP 120-AR, ASP FS-30, ASP FS-52, ASP FS-61, ASP FS-65, ASP FS-70, ASP FS-80, ASP FS-91, ASP FS-120, ASP FT-160 Twin, ASP FS 400-AR (65cc) 5 CYLINDER RADIAL ENGINE  
**ATWOOD** TRIUMPH 49, ATWOOD CHAMPION - J, JH, DR & GLO-DEVIL .624, SUPERCHAMPION .630  
**BARKER** MODEL C, MODEL B, SPITFIRE .69 **BONDS** BONDS SIMPLEX 25cc & 30cc  
**BUNCH** TIGER AERO 45, MIGHTY MIDGET 45 **CAMERON** CAMERON 15, CAMERON 19R  
**CHANNEL ISLAND SPECIAL** CHANNEL ISLAND SPECIAL 10cc (Fourstroke)  
**CHUNN MOTORS** 1937 CHUM, 1938 ALTERNATE FIRING TWIN, 1939 KAYDET **CMB** CMB 90 Marine  
**COMETE-MOTEURS** COMETE-MONOBLOC 10cc **COMPAGNUCCI** MAC 6 SERIES 6.28cc (.39)  
**CONDOR ENGINES** CONDOR 91 (Fourstroke) **CONTESTOR** D.60R **CRRC-PRO** GP-26R, GF-50I  
**DAMO** DAMO FS-218 Twin (Fourstroke) **DAVENTRY** DAVENTRY DS-4 (54cc) Fourstroke  
**DESERT AIRCRAFT** DA-35, DA-50R, DA-60, DA-85, DA-70 Twin, DA-100L Twin, DA-100I Inline Twin, DA-120 Twin, DA-150 Twin, DA-170 Twin, DA-200 Flat Four, DA-200L Flat Four, DA-200MG Flat Four.  
**DL** DL-50cc, DL-100cc Twin  
**DLA** DLA-32cc, DLA-56cc, DLA-64cc Twin Boxer, DLA-64cc Inline Twin, DLA-112cc Twin DLA-128cc Four Boxer,  
**DLE** DLE-20cc, DLE-30cc, DLE-35RA, DLE-55cc, DLE-55RA, DLE-61cc, DLE-65cc, DLE-85cc, DLE-40cc Twin, DLE-60cc Twin, DLE-111cc Twin, DLE-120cc Twin, DLE-130cc Twin, DLE-170cc Twin, DLE-222cc Flat Four  
**DOOLING** DOOLING 29, DOOLING 61, DOOLING 61 Yellow Jacket, DOOLING 61 Yellow Jacket (Dykes ring)  
**EDCO** EDCO "SKY DEVIL" 65 **ELF** 'CORNCOB' 1936 Model 1 ELF 2.25cc  
**ENYA** ENYA SS30, ENYA SS35, ENYA 40BB, ENYA 40 (Dykes ring, Model 6002), ENYA 40X TV (Dykes ring, Model 6101), ENYA 45BB (Model 6001), ENYA 45 II (Model 6002), ENYA 49X, ENYA SS50, ENYA 60 II (Model 7032), ENYA 60 III (Model 7033), ENYA 61 CXR, ENYA 40-4C (Fourstroke), ENYA 41-4C (Glow, Fourstroke), ENYA 46-4C (Fourstroke), ENYA 53-4C (Fourstroke) ENYA 60-4C (Fourstroke), ENYA 80-4C (Fourstroke), ENYA 90-4C (Fourstroke), ENYA 120-4C (Fourstroke), ENYA 120R-4C (Fourstroke), ENYA VT 240-4C Twin **ERIC WHITTLE** 10.6cc V8 AERO ENGINE (Fourstroke) **ETA** ETA 19, ETA 29  
**EVOLUTION** EVO 15 GX2, EVO 20 GX2, EVO 120 NX, EVO 33 GX, EVO 58 GX, EVO 116 GX Twin, EVO 7-35 Radial, EVO 7-77 Radial **FARGER & JOOSTEN** JUPITER 110, JUPITER 220 Twin  
**FORSTER** FORSTER 29, FORSTER 31, FORSTER 99 **FLYTE** FLYTE 150 **FELGIEBEL** FELGIEBEL 7.6cc  
**FOX** FOX RAF 36 RX, FOX 45, FOX 59, FOX HAWK 60, FOX EAGLE 60, FOX FALCON 60, FOX 74, FOX 78, FOX 120 Twin **FUJI IMVAC** BT-24 Aero, BT-24 Marine, BT-32A, BT-32B, BT-50, BT-64A, BT-64EI  
**GMS 2000** GMS 61, GMS 61 AR (Dykes ring), GMS 76, GMS 76 AR (Dykes ring), GMS 120, GMS 120 AR (Dykes ring)  
**GANNET ENGINEERING** GANNET 15cc Marine Fourstroke **HASSAD** HASSAD "BLUE STREAK"  
**HB** HB 21 PDP (Dykes ring), HB 25 (Dykes ring), HB 40 PDP (Dykes ring), HB 40 PDP 'BLITZ', HB 50 (Dykes ring), HB 61 PDP (Dykes ring), HB 61 PDP 'BLITZ'  
**HODGSON RADIAL** - 5, 7, 9, 14 & 18 CYLINDER RADIAL ENGINES (Compression Rings & Oil Control Rings)  
**HOBBY LOBBY** EVRA 190 **HOMELITE** HOMELITE 30cc **HORNET** HORNET 60  
**HP** HP 40, HP 40 GOLD CUP, HP 61 RC, HP 61 F-RC, HP 61 GOLD CUP (Dykes ring), HP VT-21 (Dykes ring, Fourstroke), HP VT-25 (Dykes ring, Fourstroke), HP VT-49 (Fourstroke)  
**IRVINE** IRVINE 20 (Dykes ring), IRVINE 25 (Dykes ring), IRVINE 36, IRVINE 40 (Dykes ring), IRVINE 46 (Dykes ring), IRVINE 61 (Dykes ring), IRVINE 120 (Dykes ring), IRVINE 150, IRVINE 150 (Dykes ring)  
**JAP** JAP 34cc MODEL 'O' TYPE 2 (3/32 thick, pinned ring), JAP 34cc MODEL 'O' TYPE 28 (1/8 thick, plain ring)  
**JBA** JBA 56 **JC EVO** JC 23cc EVO, JC 30cc EVO, JC 60cc EVO, JC 120cc Twin **JEN** JEN 37, JEN 91  
**JUNIOR MOTORS** BROWNIE 29 Model 'E' 1940, 1938 MODEL 'M' (Serial Number Range M1 - M600) BROWN JUNIOR .601 Model 'D' 1938 (Serial Number Range D1 - D13500)  
**JURGEN HEINEN** 5 CYLINDER RADIAL MT-994 **KALT** KALT KG-22cc  
**K & B** K & B 35 Series 72 (Dykes ring), K & B TORPEDO 40 (Dykes ring), K & B 40 (Pinned Dykes ring), K & B 61  
**KING FLUGMOTOREN** KING 50RV, KING 100RVS Boxer Twin, KING 100RVT Inline Twin.  
**KINNER** 1/6<sup>th</sup> SCALE 5 CYL RADIAL ENGINE **KOMETA** KOMETA MD5 **KRATMO** KRATMO 10A  
**LASER - FOURSTROKES** LASER 45, LASER 50, LASER 61, LASER 62, LASER 75, LASER 90, LASER 120, LASER 150, LASER 180, LASER 120V, LASER 150V, LASER 180V, LASER 240V, LASER 300V, LASER 360V  
**LIMBACH** LIMBACH L275E (274cc) Flat Twin, LIMBACH L550E (548cc) Flat Four  
**MACKAY** MACKAY 30cc, MACKAY 45cc, MACKAY 60cc Boxer Twin, MACKAY 90cc Boxer Twin  
**MAGNUM** (British Made) MAGNUM 91S Open Rocker (Dykes ring), MAGNUM 182 V Twin (Dykes ring), MAGNUM 273 RADIAL (Dykes ring), HI-MAX 91

**MAGNUM** (Chinese Made) MAGNUM 91FS, MAGNUM XL 120AR, MAGNUM XL 400 FS 64cc 5 Cylinder Radial  
**MATADOR** MATADOR 60 (Fourstroke), MATADOR 120 (Fourstroke) Horizontally Opposed Twin  
**McCOY** McCOY 19, McCOY 19 Blackhead (Dykes ring), McCOY 29, McCOY 35 (Dykes ring),  
McCOY 40 Blackhead (Dykes Ring), McCOY 49, McCOY 55, McCOY 60  
**MDS** MDS 78, MDS 1.48, MDS 2.18 **METEOR** METEOR 60, METEOR 60 (Dykes ring)  
**MERCO** MERCO 49, MERCO 49 (Dykes ring), MERCO 61, MERCO 61 (Dykes ring) **MICRON** MICRON 60  
**MINTOR** MINTOR 3M-140, MINTOR 3M-170, MINTOR 22cc (centre pin), MINTOR 33cc (centre pin & top pin),  
MINTOR 37cc (centre pin), MINTOR 38cc (centre pin & top pin), MINTOR 55cc (centre pin & top pin),  
MINTOR 60cc (top pin), MINTOR 75cc Twin (centre pin & top pin), MINTOR 110cc Twin (centre pin & top pin),  
MINTOR 120cc Twin (top pin), MINTOR 220cc Quad. **MODELL EXCLUSIV** SM23  
**MVVS** MVVS 2.5R, MVVS 6.5cc (Dykes ring), MVVS 26 IFS, MVVS 26 IFS-SP, MVVS 26 GFS-RC,  
MVVS 26 GFS-RC-W, MVVS 58 PRO SPORT, MVVS 58 IRS, MVVS 58 ISS, MVVS 80 SP IRS, MVVS 80 TS IRS,  
MVVS 116 NP Boxer, MVVS 116 IRS Boxer, MVVS 116 NP Liquid Cooled Twin, MVVS 116 IRS Liquid Cooled Twin,  
MVVS 116 Inline Twin, MVVS 152 IRS Boxer, MVVS 152 NP Boxer, MVVS 152 TS IRS Boxer,  
**MOKI** MOKI M10 8.5cc, MOKI M7 10cc, MOKI M9 25cc, MOKI 135, MOKI 150, MOKI 180, MOKI 210  
**NGH** NGH-GT 17cc, NGH-GT 25cc, NGH-GT 35cc, NGH-GT 35 RV, NGH-GF 38cc Fourstroke, NGH-GT 70cc Twin.  
**NORTHFIELD-ROSS** ROSS 61 (Dykes ring), ROSS INLINE 60 TWIN (Dykes ring),  
ROSS HORIZONTALLY-OPPOSED 60 TWIN (Dykes ring), ROSS POWER FOUR (Dykes ring),  
ROSS POWER SIX (Dykes ring) **NORDEC** NORDEC 10R, NORDEC 10GR  
**NOVAROSSI** R 91HR-3D HELI (Dykes ring), **O.P.S.** OPS 60 **OHLSSON & RICE** O&R COMPACT  
**O.S. ENGINES** - MAX 28F (Dykes ring), MAX 32F, MAX 32SX-H, MAX 37SZ-H, MAX-H35,  
MAX-H40RC/P/S/RR (Series 1), MAX-H40RC/P/S/RR (Series 1 dykes ring), MAX-H40RC/P/S/RR (Series 2),  
MAX-H40RC/P/S/RR (Series 2 dykes ring), MAX 40SR, MAX 40RSR (Dykes ring), MAX 40SF, MAX 45FSR,  
MAX 45RSR (Dykes ring), MAX 45RSR-Marine, MAX 46SF, MAX 46SF-P, MAX 46FX, MAX 50 R/C,  
MAX 50 R/C Marine, MAX 50FSR (Dykes ring), MAX 50SX-H, MAX 55HZ, MAX 58 R/C, MAX-H60,  
MAX-H60 Marine, MAX-H60F, MAX-H60FGP, MAX-H60FGR, MAX-H60GP, MAX 60SR, MAX 60RSR,  
MAX 60 RSR Marine, MAX 61FSR, MAX 61SF, MAX 61SF-P, MAX 61SFN-H, MAX 61RF, MAX 61RF-P,  
MAX 61RFN-H, MAX 61RF HANNO SPECIAL MKII, MAX 61SX-H, MAX 61RX-H, MAX 61LX-H,  
MAX 61FX, MAX 65RSR, MAX 65RSR-M, MAX 70SZ-H, MAX-H80, MAX-H80M, MAX 90FSR,  
MAX 90RSR-M (Dykes ring), MAX 91SX-H, MAX 91FX, MAX 91SZ-H, MAX 91HZ-H, MAX 91RZ-H,  
MAX GT 15HZ, MAX 105HZ-R, MAX 108FSR BX-I, MAX 120AX, MAX 160FX, BGX-1 3500, O.S. GT-33  
**O.S. FOURSTROKES** - FS-20, FS-26S, FS-30SII, FS-40, FS-40S, FS-40M, FS-48S, FS-52S,  
FS-60 Open Rocker, FS-60M Open Rocker, FS-61, FS-61M, FS-70S, FS-70U, FS-75 Open Rocker, FS-80, FS-90,  
FS-91S, FS-120S, FS-120S-E, FS-120SII, FS-120S-P, FS-200S, FT-120 Gemini, FT-120II Gemini, FT-160 Gemini, FT-  
240 Gemini, FT-300 Gemini, FF-240 Pegasus, FF-320 Pegasus, FR5-300 Sirius, IL-300 Dia-Star, **RCS** RCS 140  
**PROFI** PROF1 6.5ccm/40, PROF1 10ccm/61, PROF1 12.65ccm/76, PROF1 CIRRUS 17cc Inline 4 Cylinder,  
**QUADRA** QUADRA 34cc, QUADRA 100cc. **RCGF** RCGF 10cc, RCGF 15cc BM, RCGF 20cc SBM, RCGF 20cc RE,  
RCGF 26cc (Early), RCGF 30cc Twin, RCGF 40cc Twin, RCGF 40cc TS Twin, RCGF 55cc, RCGF 65cc (Early),  
**ROSSI** ROSSI 60, ROSSI 61RE (Aero), ROSSI 61RE (Heli), ROSSI 90, ROSSI AXE 91 5T FIRG  
**SAITO - FOURSTROKES** FA-40A, FA-40AGK, FA-45MK2, FA-45S, FA-50, FA-50GK, FA-56B, FA-56F,  
FA-56BGK, FA-62, FA-65, FA-65GK, FA-72B, FA-72CL, FA-72BGK, FA-80, FA-80GK, FA-82B, FA-82BGK,  
FA-91S, FA-91SGK, FA-100, FA-100GK, FA-115, FA-115GK, FA-120S, FA-120SGK, FA-120SDP, FA-125A,  
FA-125AGK, FA-150S, FA-150H, FA-150GK, FA-150B, FA-150BGK, FA-150SDP  
FA-80TS Twin, FA-80TMK2 Twin, FA-90TS Twin, FA-90TMK2 Twin, FA-100T Twin, FA-100TI Inline Twin,  
FA-130T Twin, FA-270TMK2 Twin, FA-270TTDP Twin, FA-300T Twin, FA-300TL Twin, FA-300TTDP Twin,  
FA-120R3 Radial, FA-170R3 Radial, FA-200R3 Radial, FA-325R5D Radial, FA-450R3D Radial,  
FG-11, FG-14C, FG-17, FG-20, FG-19R3 Radial, FG-33R3 Radial, FG-60R3 Radial  
**SUPER CUSTOM** S.C. 70 FS, S.C. 91 FS, S.C. 180, SC 400 FS 64cc 5 Cylinder Radial **SEIDEL** ST7-70 Radial  
**SUPER TIGRE** SUPER TIGRE G20S, SUPER TIGRE X25, SUPER TIGRE S29, SUPER TIGRE G34,  
SUPER TIGRE S40, S40K, GS40, X40, SUPER TIGRE S45, S45K, GS45, X45, SUPER TIGRE G51, COMO 51,  
SUPER TIGRE S61, S61K, G61, SUPER TIGRE S75, S75K, G75, SUPER TIGRE S90, S90K, G90,  
ST G21/35, ST G21/40, ST G21/40 (Dykes ring), ST G21/46, ST.51BB (V51), ST.56BB (V56), ST.56BB (V56 Dykes  
ring), ST.60BB (V60), ST.60BB (V60 Dykes ring), ST G60RV, ST G24/60, ST G60 & G60 BLUEHEAD,  
ST SERIE X60, ST G71, SUPER TIGRE S2000 20cc & 25cc, SUPER TIGRE G2300, SUPER TIGRE S3000,  
SUPER TIGRE G3250, SUPER TIGRE G4500, SUPER TIGRE S6000 Inline Twin  
**SYNCR0** SYNCR0 B-30 **TIGER SHARK** 120AR  
**TARTAN** TARTAN 22cc, MK1 TARTAN TWIN 44cc (T77G), SUPER TARTAN TWIN (ST77G)  
**THUNDER TIGER** TT-PRO 39H, TT-PRO 50H, TT-REDLINE 53H, TT-REDLINE 56, TT-PRO 70H,  
TT-PRO 70BX, TT-PRO 120, TT-PRO 120RP, TT-REDLINE RL-100H, TT-54FS (Fourstroke), TT-91FS (Fourstroke)  
**TURNIGY** TURNIGY TR-32, **TAIPAN** TAIPAN 60  
**UMS** UMS 7-160 RADIAL, **VEGA** VEGA 25, VEGA 50T Twin  
**VECO** VECO 21 (Dykes ring), VECO 50 (Dykes ring), VECO 61 (Dykes ring)

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## Reproduction & Custom made Piston Rings, Parts, Bearings & Mechanical Restorations.

**WEBRA** WEBRA SPEED 32 GT (Dykes ring), WEBRA SPEED 35 HELI, WEBRA 6.5ccm/40 BLACKHEAD, WEBRA 6.5ccm/40 SILVERLINE, WEBRA SPEED 40 (Dykes ring), WEBRA SPEED 50 (Dykes ring), WEBRA SPEED 52 AAR, WEBRA SPEED 55 P5, WEBRA 10ccm/61 BLACKHEAD, WEBRA 10ccm/61 SILVERLINE, WEBRA SPEED 61, WEBRA SPEED 61 Long stroke (Dykes ring), WEBRA RACING 61 Short stroke (Dykes ring), WEBRA SPEED 61 AAR-P5 HELI, WEBRA SPEED 75 AAR-P5 HELI, WEBRA SPEED 80 (Dykes ring), WEBRA SPEED 91, WEBRA SPEED 91 AAR-P5 HELI, WEBRA SPEED 100 AAR-P5 HELI, WEBRA SPEED 120 (Dykes ring), WEBRA SPEED 120X / RACING F3A, WEBRA RACING 145-R AERO, WEBRA SPEED 150 AAR, WEBRA SPEED 160 AAR, WEBRA BOXER 30-2 FT, WEBRA T4-40 (Fourstroke), WEBRA T4-90 (Fourstroke).

**WALL E.** WALL 15cc RACING HYDRO, WALL DUPLEX MARINER 25cc Inline Twin, WALL 30cc MIGHTY MITE Inline 4 cyl, WALL WIZZARD 45cc Opposed twin

**WESTBURY E. T.** Original ATOM MINOR 15cc, ATOM III 30cc, APEX MINOR 15cc, KIWI 15cc, KITTIWAKE 15cc, KESTREL 5cc, WHIPPET 10cc Sidevalve, WALLABY 29cc Inline Twin, SEAL 15cc Four Cylinder, SEALION 30cc Four Cylinder, 1831 TWIN 30cc, CENTAUR 60cc Horizontal Gas Engine,

**3W** 3W-70 B2 Twin (Early), 3W-70 IB2 Twin, 3W-70 IB2 CS Twin, 3W-70 R2 Twin, 3W-70 R2 CS Twin, 3W-140 IB4, 3W-140 B4 CS

**YAMADA** YS 56-SR, YS 60-SR, YS 60-SRX, YS 91-SR, YS 91-SRS, YS 91-SR3C, YS 91-ST, YS 120-SR, YS 120-SRX, YS FZ-53 (Fourstroke), YS FZ-91AC (Fourstroke), YS DZ-160 (Fourstroke), YS DZ-170 (Fourstroke), YS DZ-175 (Fourstroke), YS DZ-175CDI (Fourstroke), YS FZ-175 (Fourstroke).

**YUHE** YUHE TWIN STAR 240 Opposed Twin

**ZDZ** ZDZ 40RV, ZDZ 40RE, ZDZ 60RV, ZDZ 80RV, ZDZ 80RV-J, ZDZ 80 B2 RV Twin, ZDZ 80 Inline Twin, ZDZ 120 B2 RV Twin, ZDZ 160 B2 RV-J Twin, ZDZ 160 B2 RV-CH Twin, ZDZ 160R2-Inline Twin, ZDZ 320B4-J Quad

**ZENOAH** ZENOAH 38cc, ZENOAH 62cc.

### CAST IRON - STD IMPERIAL SIZED - PISTON RINGS INTERNAL COMBUSTION ENGINES OR STEAM APPLICATIONS

Any Combination Of Size From - 1/2 Bore x 1/32 upto 3in Bore x 1/4  
Prices - up to 1in bore £12.00, 1in - 2in bore £13.00, 2in - 3in bore £14.00

### MODEL DIESEL ENGINE RE-BORE SERVICE

Prices Start From £50.00 - Includes: New Piston & Contra Piston

#### NEEDLE VALVES & SPRAY BARS

AE 1cc Diesel (Complete NVA) £18.00  
CALEDONIA "CLANSMAN" 5cc Diesel (Complete NVA with Fuel Shut off) £48.00  
DC MERLIN, DART, BANTAM (Complete NVA) £17.00  
ELFIN 1.49cc Diesel MK2 PB (Complete NVA) £18.00  
ELFIN 1.49cc Diesel MK1 & MK2 BB (Complete NVA) £18.00  
ELFIN 1.49cc Diesel Russian Replica (Complete NVA) £18.00  
ENYA 19 Sandcast 1<sup>st</sup> Model (Complete NVA) £18.00  
FROG 50 mk2 Diesel (Complete NVA) £18.00  
MVVS 2.5cc Diesel (Complete NVA) £18.00  
OLIVER TIGRE CUB (Complete NVA) £22.00  
SUPER TIGRE G20/15 (Complete NVA) £22.00  
SUPER TIGRE / LASER Early Type (Wire Needle only) £7.95  
SUPER TIGRE G31 Diesel (Complete NVA) £18.00  
WEBRA PICCOLO 0.8cc (Needle Only) £10.00

#### COMPRESSION SCREWS

A.M. 10, 15, 25, 35 - £8.55  
DC BANTAM, MERLIN, SPITFIRE, SABRE  
E.D. Full Range £8.55  
ELFIN 1.49cc £8.55  
FROG 50 mk2 £8.55  
OLIVER TIGRE CUB £10.55  
SUPER TIGRE G20/15D (No Locking Tab) - £10.55  
IRVINE 40 Diesel - £10.55

#### TIMING BELTS

WEBRA T4-40 £10.95, WEBRA T4-90 £13.66,  
FARGER & JOOSTEN - JUPITER 110 £11.95 / JUPITER 220 Twin £22.95

## Piston ring price guide - April 2023

- Engines up to a 45 size (up to 7.5cc) - £11.00 each
- 45 up to 120 size Engines (7.5cc - 20cc) - £12.00 each
- 120 up to 210 size Engines (20cc - 35cc)- £13.00 each
- 210 up to 390 size Engines (35cc - 65cc) - £14.00 each
- Multi Cylinder Engines - divide the engine size by the amount of cylinders  
(Correct at time of print)

### \*\*\* \*\* DISCOUNTS \*\*\* \*\*

- 4 - 10 Piston Rings - 10% Discount
- 11 - 20 Piston Rings - 15% Discount
- 21 - 50 Piston Rings - 25% Discount
- 51 - 100 Piston Rings - 30% Discount
- Over 100 Piston Rings - 35% Discount

Discounts available on orders in any combination of piston ring size

Email your requirements to: [info@gcpistonrings.com](mailto:info@gcpistonrings.com)

### \*\*\* \*\* DISCOUNTS \*\*\* \*\*

#### Fitting instructions:

When fitting the piston ring check first that it fits in the engine cylinder bore? I make them a tight fit to compensate for worn engines, so if your engine is new it may need the gap adjusting. You can do this carefully with a fine needle file.

Check the piston ring fits the groove by rolling the piston ring around the outside of the groove, you should do this before fitting the piston ring, if it is tight then the groove will need to be carefully cleaned as there may be a build up of carbon deposits making the piston ring a tight fit.

The easiest way to fit the piston ring to the piston is with the piston ring laying flat on top of the piston, pull one end of the piston ring down into the groove, don't force it or bend it, just let it go naturally, and just work round dropping the piston ring down into the groove until you get to the other end. I have never broken a piston ring when fitting it in this way. Once fitted the piston ring should rotate freely in the groove

When sliding the piston into the cylinder liner - if your piston has a locating pin in the groove then you need to be sure this locating pin is in line with the locating slot in the piston ring; if these are not lined up the piston will not fit inside the cylinder liner, and if it is forced you will snap the piston ring!!