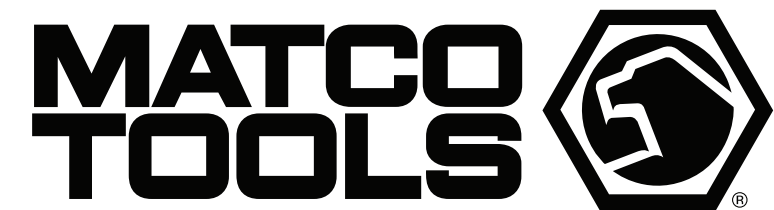


Ratchet Repair Kits

88 Tooth Ratchet Head Repair Kit

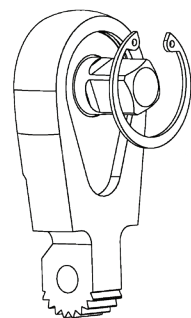
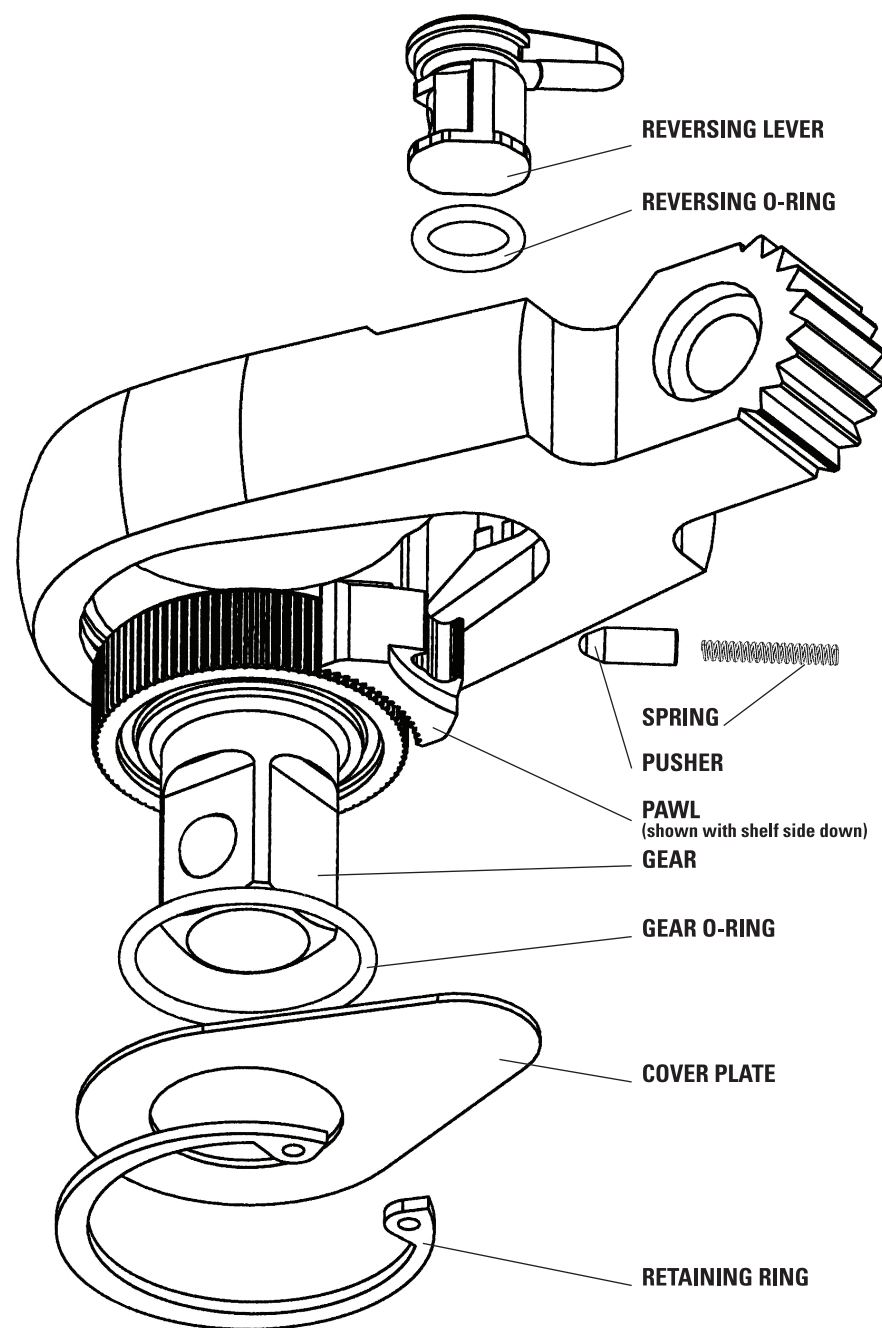


Disassembly:

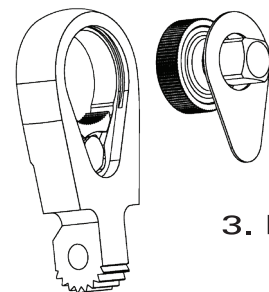
Hold handle in vise (head up) for best results

Assembly:

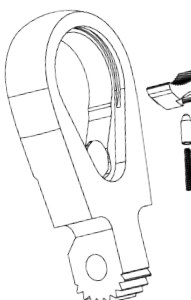
Use all new parts in kit



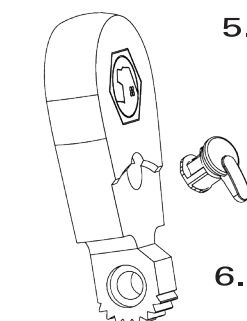
1. Hold handle securely in a vise with the square drive up. Clean RETAINING PLATE and RETAINING RING with a dry towel.



2. Using a pair of snap ring pliers, remove RETAINING RING from handle.

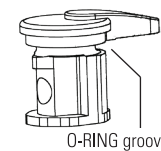


3. Pull on square end of GEAR to remove GEAR and RETAINING PLATE from handle.

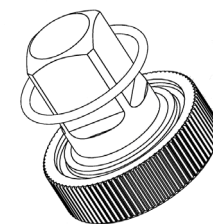


5. Remove REVERSING LEVER from the top side of the handle as shown, tilt to remove.

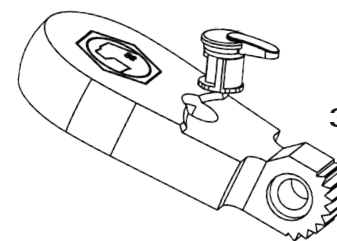
6. Remove debris and spray inside of HANDLE with WD-40™ or equivalent thin film penetrating lubricant to clean.



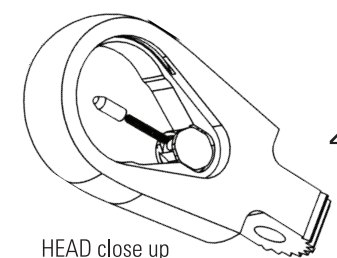
1. Install REVERSING LEVER O-RING onto REVERSING LEVER groove just below the lever.



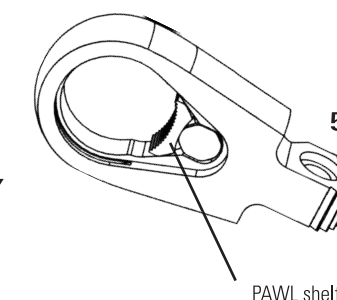
2. Install GEAR O-RING into groove at the base of the square gear.



3. Install REVERSING LEVER, tilting it forward as it goes into the HANDLE opening.

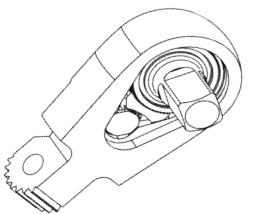


4. Assemble the SPRING into the PUSHER. Insert the assembly, SPRING first, into REVERSING LEVER.

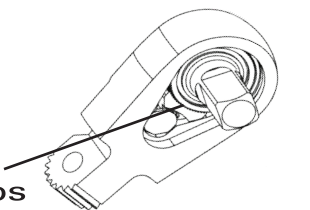


5. Insert PAWL over PUSHER and depress toward the REVERSING LEVER. Shelf on PAWL should face outward.

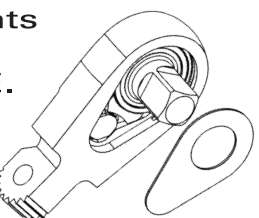
6. Hold PAWL against REVERSE LEVER with thumb and insert GEAR into HANDLE.



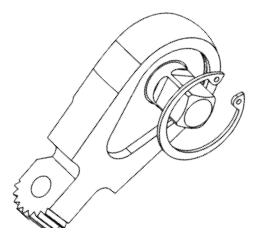
7. Apply 5 to 10 drops of lubricating oil on GEAR and PAWL as shown.



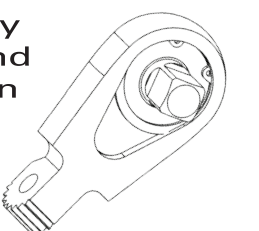
8. Assure all components are fully seated and install COVER PLATE.



9. Using snap ring pliers, insert RETAINING RING (with gap away from HANDLE and sharp edge of RETAINING RING facing outward).



10. Check functionality by rotating the GEAR and REVERSING LEVER in both directions. Ratcheting action should be smooth and consistent in both directions without any binding.



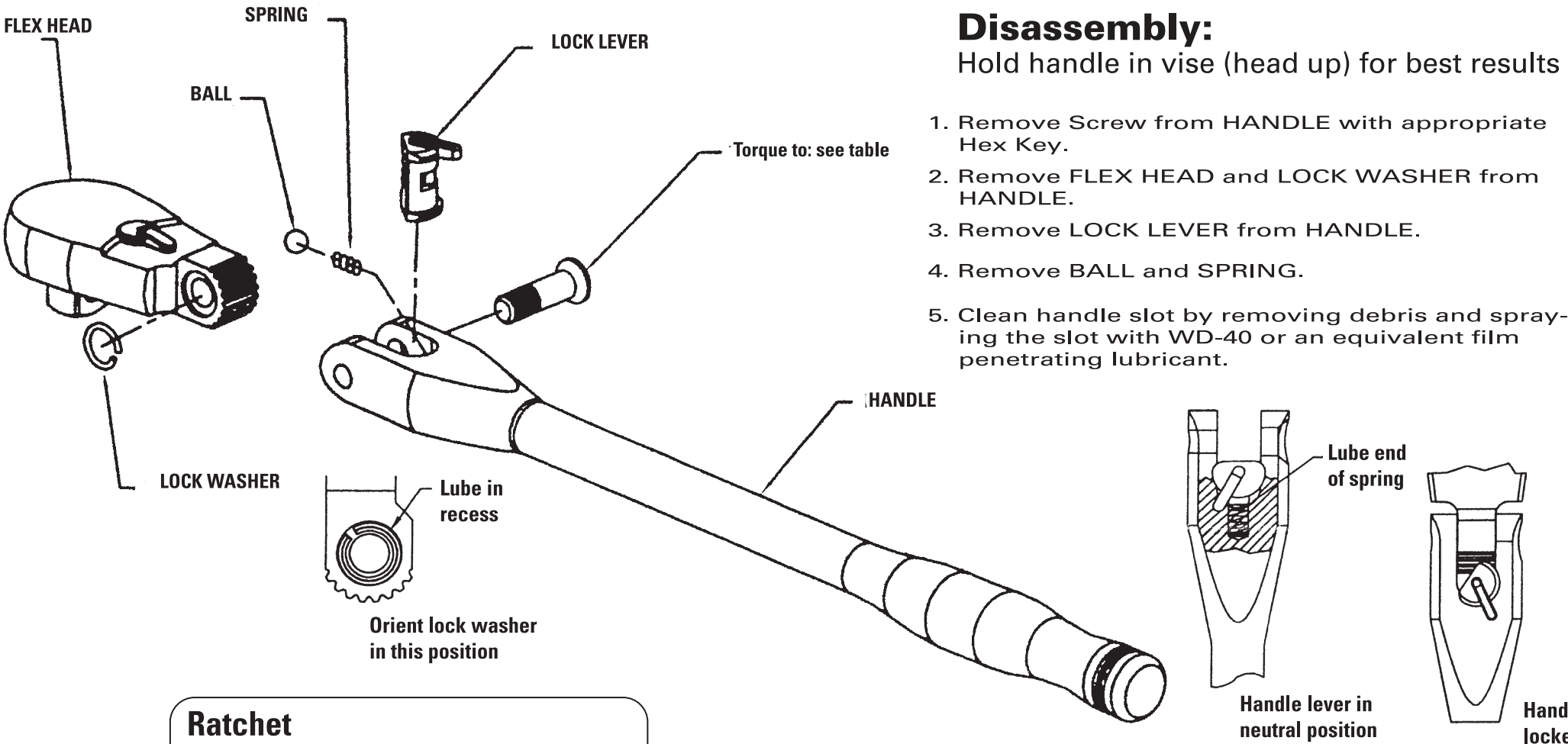
RRC618

CAUTION: Always Wear Eye Protection While Repairing Ratchet

Ratchet Repair Kits

88 Tooth Locking Flex Joint Kit

88 Tooth Locking Flex Replacement Head



Disassembly:

Hold handle in vise (head up) for best results

1. Remove Screw from HANDLE with appropriate Hex Key.
2. Remove FLEX HEAD and LOCK WASHER from HANDLE.
3. Remove LOCK LEVER from HANDLE.
4. Remove BALL and SPRING.
5. Clean handle slot by removing debris and spraying the slot with WD-40 or an equivalent film penetrating lubricant.

Assembly:

Use All New Parts in Kit

1. Insert the SPRING into HANDLE and apply lube onto the end of the Spring. Using needle nosed pliers, place the BALL on the SPRING.
2. Place the LOCK LEVER over the BALL and SPRING. The stem of the Handle Lever should be pointing to the left.
3. Apply lubricant to the recess on the tang of the FLEX HEAD. Place the LOCK WASHER in the recess. Holding the LOCK WASHER in place with your thumb, insert the FLEX HEAD Assembly into the HANDLE. The hole in the FLEX HEAD Assembly must line up with the holes in the HANDLE.

Torque to: see table

4. Insert the Screw in HANDLE and tighten with the appropriate Hex Key.
5. The FLEX HEAD Assembly should not bind when it is moved to the up or down positions.
6. Check the engagement of the LOCK LEVER to the FLEX HEAD Assembly by moving the stem of the LOCK LEVER to the right. This should lock the FLEX HEAD Assembly in position. The FLEX HEAD Assembly may have to be moved up or down slightly so the teeth are engaged and the lever is locked in the position shown.

CAUTION:

Take care, as SPRING and BALL are held in by LOCK LEVER and may fall out once disassembled.

1/4" Fixed

AFR58/G/M
AFR88/G/M
AFR118/G/M

3/8" Fixed

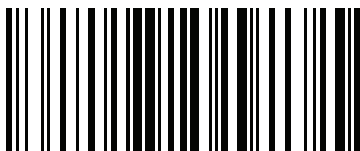
BFR58
BFR88/G/M
BFR118/G/M
BFR158/G/M
BFR188/G/M
BFR118SP

1/2" Fixed

CFR108
CFR158/G/M
CFR248/G/M

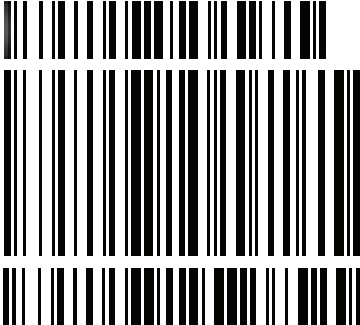
Ratchet Repair Kit

AFR8TKA
AFR8TKA
AFR8TKA



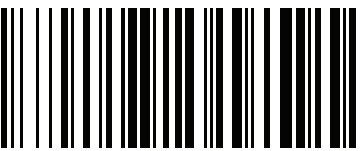
3/8" Fixed

BFR5TK
BFR8TKA
BFR8TKA
BFR8TKA
BFR8TKA
BFR8SPH



1/2" Fixed

CFR8TKA
CFR8TKA
CFR8TKA



1/4" Flex

AFR68LF/G/M
AFR128LF/G/M

3/8" Flex

BFR68LF
BFR128LF/G/M
BFR158LF/G/M
BFR188LF/G/M

1/2" Flex

CFR178LF/G/M
CFR248LF/G/M
CFR308LF/G/M

Ratchet Repair Kit

AFR8TKA
AFR8TKA

3/8" Flex

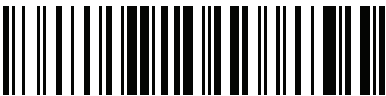
BFR8TKA
BFR8TKA
BFR8TKA
BFR8TKA

1/2" Flex

CFR8TKA
CFR8TKA
CFR8TKA

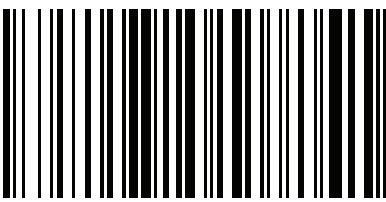
Locking Flex Replacement Head

AFR8TKHA
AFR8TKHA



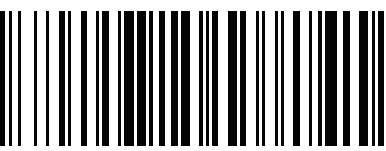
3/8" Flex

BFR8TKHA
BFR8TKHA
BFR8TKHA
BFR8TKHA



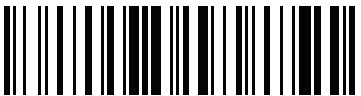
1/2" Flex

CFR8TKHA
CFR8TKHA
CFR8TKHA



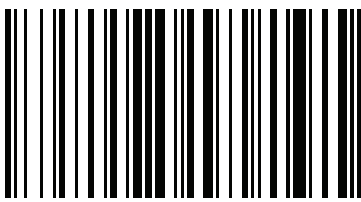
Locking Flex Joint Kit

AFRTKCA
AFRTKCA



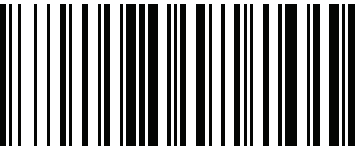
3/8" Flex

BFRTKCA
BFRTKCA
BFRTKCA
BFRTKCA



1/2" Flex

CFRTKCA
CFRTKCA
CFRTKCA



HEX Key

1/8"
1/8"

3/8" Flex

5/32"
5/32"
5/32"
5/32"

1/2" Flex

3/16"
3/16"
3/16"

Torque assembly Screw spec.

70-120 in-lb
70-129 in-lb

3/8" Flex

325-385 in-lb
325-385 in-lb
325-385 in-lb
325-385 in-lb

1/2" Flex

685-755 in-lb
685-755 in-lb
685-755 in-lb

CAUTION: Always Wear Eye Protection While Repairing Ratchet