**Disassembly:**
Hold handle in vise (head up) for best results

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.

4. Remove PAWL, PUSHER and SPRING.

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.

**Assembly:**
Use all new parts in kit

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.

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**CAUTION:**  Always Wear Eye Protection While Repairing Ratchet
Disassembly:
Hold handle in 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 tube 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.
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.

CAUTION: Always Wear Eye Protection While Repairing Ratchet

Ratchet Repair Kits
88 Tooth Locking Flex Joint Kit
88 Tooth Locking Flex Replacement Head

Ratchet Repair Kit
1/4" Flex
AFR68LF/G/M
AFR128LF/G/M
3/8" Flex
BFR68LF
BFR128LF/G/M

Locking Flex Replacement Head
1/4" Flex
AFR8TKA
AFR8TKA
3/8" Flex
BFR8TKA
BFR8TKA

Torque assembly
HEX Key
1/8"
70–120 in-lb
1/8"
70–129 in-lb
3/8” Flex
BFR8TKA
BFR8TKA

Joint Kit
AFRTKCA
AFRTKCA

3/8” Flex
BFR8TKA
BFR8TKA

5/32”
325–385 in-lb
5/32”
325–385 in-lb

1/2” Flex
CFTKCA
CFTKCA

1/2” Flex
CFTKCA
CFTKCA

5/32”
325–385 in-lb
5/32”
325–385 in-lb

1/2” Flex
CFTKCA
CFTKCA

3/16”
685–755 in-lb
3/16”
685–755 in-lb

1/2” Flex
CFTKCA
CFTKCA

3/16”
685–755 in-lb
3/16”
685–755 in-lb

3/16”
685–755 in-lb
3/16”
685–755 in-lb