# Snap-on SOEXR Ratcheting Box Wrench Series
## Reverse Lever Repair Kit

**Contents:**
Reverse Lever
Screw
Spring
Ball
Instruction Sheet

**Tools required:**
QDRIVER4 or similar torque product
T8 or T15 screwdriver bit

**WARNING**

Particles may fly while repairing this tool.
Wear safety goggles, user and bystanders.
*Flying particles can cause injury.*

Improper repair can cause broken tools.

- Read and follow instructions for proper repair.
- Do not immerse box end in fluids.
- Do not replace worn parts individually.
- Use all parts found in this kit.

*Broken tools can cause injury.*

## Disassembly

1. Remove the screw retaining the reverse lever; remove lever, ball & spring.
2. Check the box end for excessive wear, cracks, burrs, peeling chrome & rust.
3. Wipe the area clean and dry completely before installing any replacement parts.
4. Check pawls & spring to be sure pawls are resting on the bottom of pawl pocket.
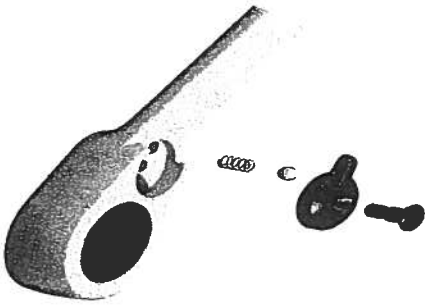   *CAUTION: Pawls & spring are not removable.*

## Assembly

1. Box end interior must be free of all foreign materials to ensure proper operation.
2. Apply several drops of 50-weight oil on the pawls, spring & gear teeth.
   *CAUTION: Do not fill entire area with lubricant or function could be affected.*
3. Place spring in lower hole, place ball on top of spring.
4. Place reverse lever in pawl pocket in the neutral position.
5. Insert screw into reverse lever and partially tighten
6. Move the reverse lever back and forth to engage pawls, tighten screw to torque spec.

ZRKWSOER

| Nominal Size | Wrench | Repair Kit | Screw Torque (in.-lbs.) | Torx Driver |
|---|---|---|---|---|
| 8mm | SOEXRM8 | RKW1 | 5 +/- 1 | T8 |
| 9mm | SOEXRM9 | RKW2 | 5 +/- 1 | T8 |
| 10mm | SOEXRM10 | RKW3 | 5 +/- 1 | T8 |
| 11mm | SOEXRM11 | RKW3 | 5 +/- 1 | T8 |
| 12mm | SOEXRM12 | RKW4 | 5 +/- 1 | T8 |
| 13mm | SOEXRM13 | RKW5 | 5 +/- 1 | T8 |
| 14mm | SOEXRM14 | RKW6 | 5 +/- 1 | T8 |
| 15mm | SOEXRM15 | RKW7 | 5 +/- 1 | T8 |
| 16mm | SOEXRM16 | RKW8 | 11 +/- 2 | T8 |
| 17mm | SOEXRM17 | RKW9 | 11 +/- 2 | T15 |
| 18mm | SOEXRM18 | RKW10 | 11 +/- 2 | T15 |
| 19mm | SOEXRM19 | RKW11 | 11 +/- 2 | T15 |
| 3/8" | SOEXR12 | RKW3 | 5 +/- 1 | T8 |
| 7/16" | SOEXR14 | RKW3 | 5 +/- 1 | T8 |
| 1/2" | SOEXR16 | RKW5 | 5 +/- 1 | T8 |
| 9/16" | SOEXR18 | RKW6 | 5 +/- 1 | T8 |
| 5/8" | SOEXR20 | RKW8 | 11 +/- 2 | T8 |
| 11/16" | SOEXR22 | RKW9 | 11 +/- 2 | T15 |
| 3/4" | SOEXR24 | RKW11 | 11 +/- 2 | T15 |