# Bearing and Spacer Replacement

FLS-227004_revA

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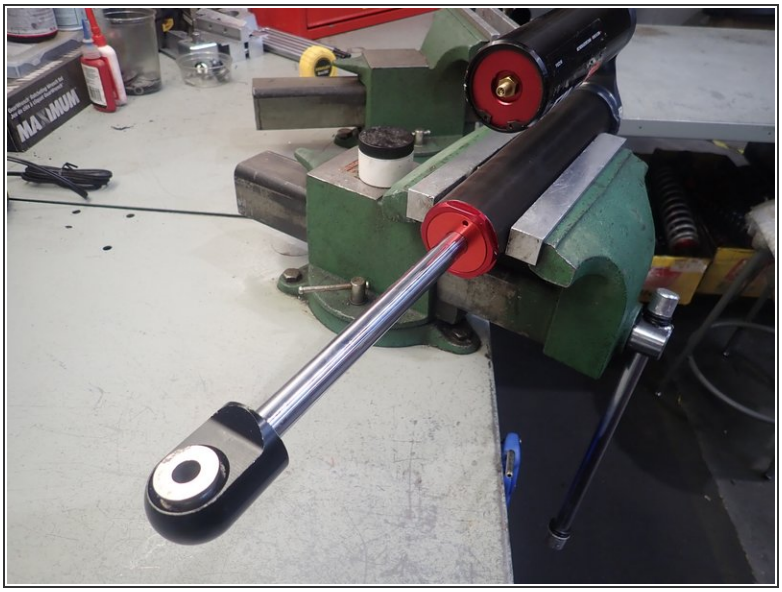
## Step 1 — Preparation for replacement



- Tools needed : 2 big flat screwdrivers, circlip pliers, hooked pick.
- Hold shock absorber in a vise. **NEVER HOLD SHOCK ABSORBER BY THE CHROME ROD TO PREVENT DAMAGE.** A damaged rod will cause premature leakage.

## Step 2 — Removing spacers

- With the hooked pick, remove the O-ring behind spacers.
- Place the 2 flat screwdrivers between shock's end and spacer and pry them out.

## Step 3 — Removing bearing



- Using circlip pliers, remove both circlips.
- On a press or a vise: find a smaller socket to push on **the outer race** of the bearing and a bigger socket to catch the bearing under shock's end.
- Press out the bearing and clean shock's end bore if necessary.

## Step 4 — Install new bearing



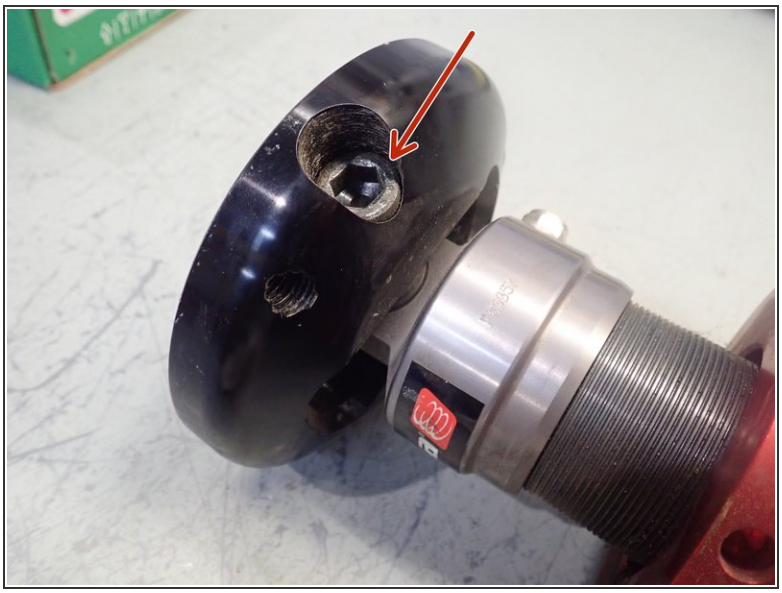
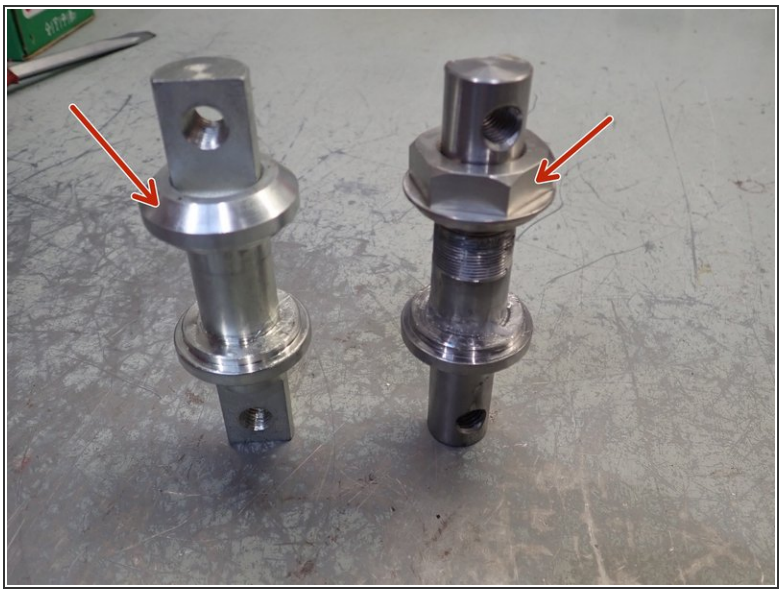
- Install a new circlip in one of the shock's end grooves. Make sure the clip is properly seated in its groove.
- On the other side of the shock's end, press new bearing. Using the same small socket from the previous step, push bearing into its bore until it comes into contact with the previously installed clip. **DO NOT PUT TOO MUCH LOAD ON CLIP TO AVOID DEFORMING IT.**
- Install the second new circlip in the other shock's end groove. Make sure the clip is properly seated in its groove.

## Step 5 — Install new spacers



- Apply some grease on both sides of bearing.
- Install new O-rings on both side of bearing.
- Install new spacers and press them into bearing.

## Step 6 — Top plate and pins assembly

- Shock absorber with top plates: to have access to spacer/bearing remove socket head screw in top plate then remove top plate.
- Shock absorber with pins assembly: remove circlip and cap or, on newer design, 32mm nut before pushing pin off of bearing.