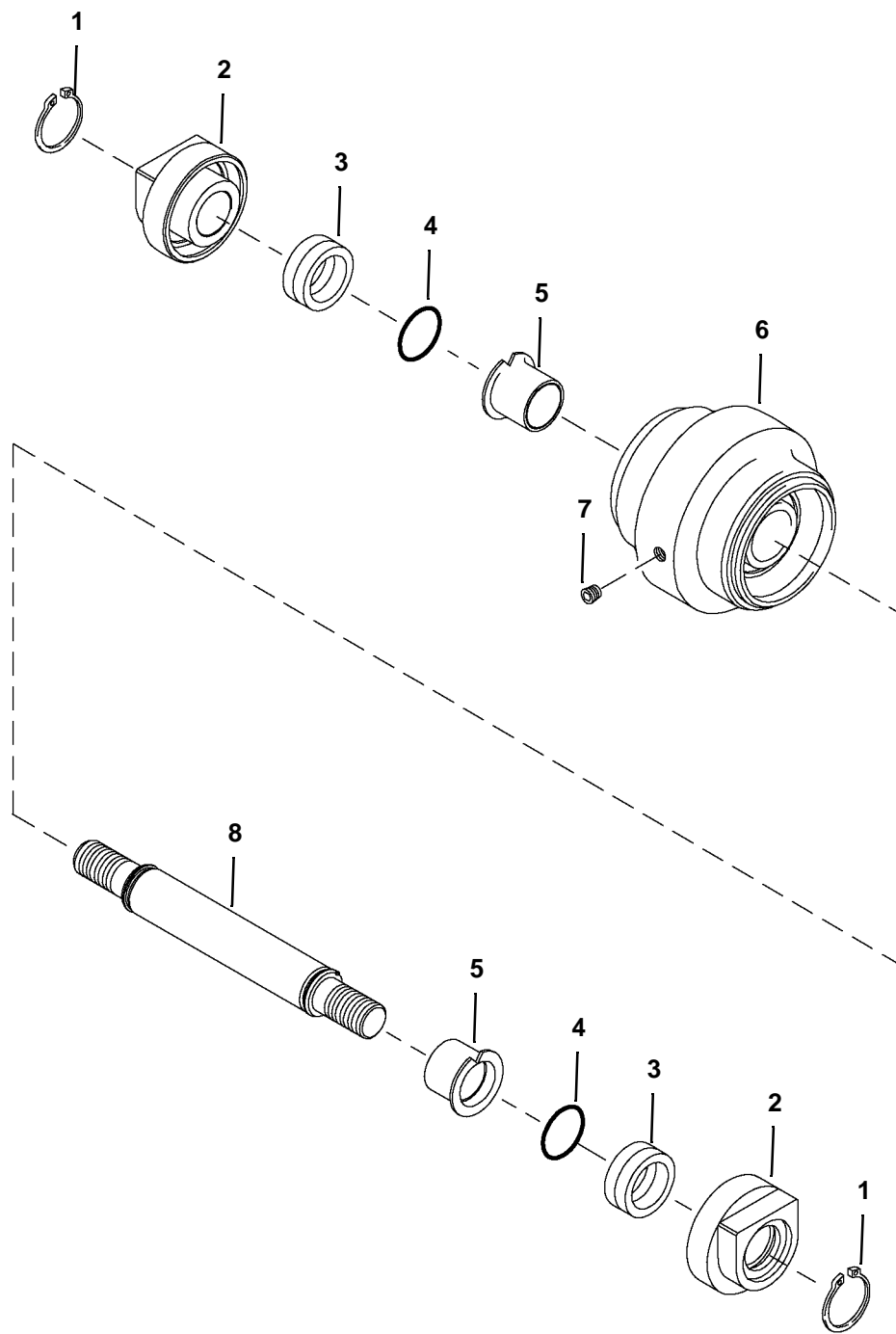


TRACK ROLLER

Parts Identification

- 1. Snap Ring
- 2. Collar
- 3. Floating Seal
- 4. O-Ring
- 5. Bushing
- 6. Roller
- 7. Plug
- 8. Shaft

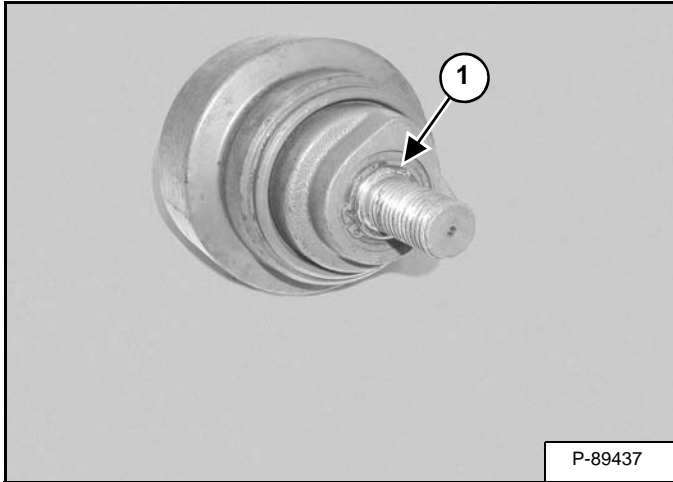


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TRACK ROLLER (CONT'D)

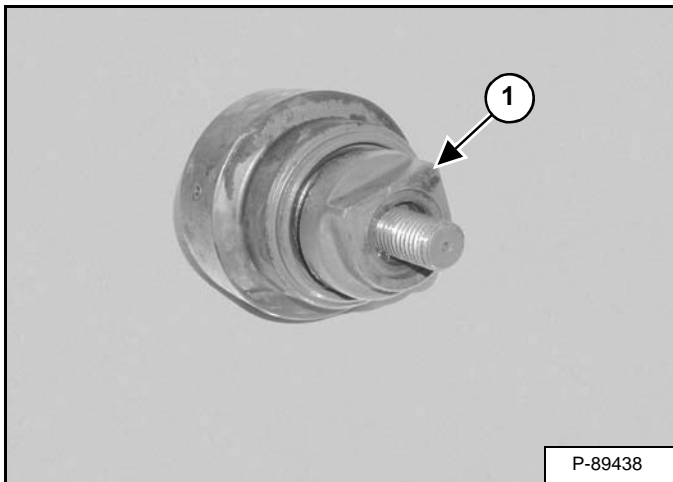
Disassembly

Figure 30-60-1



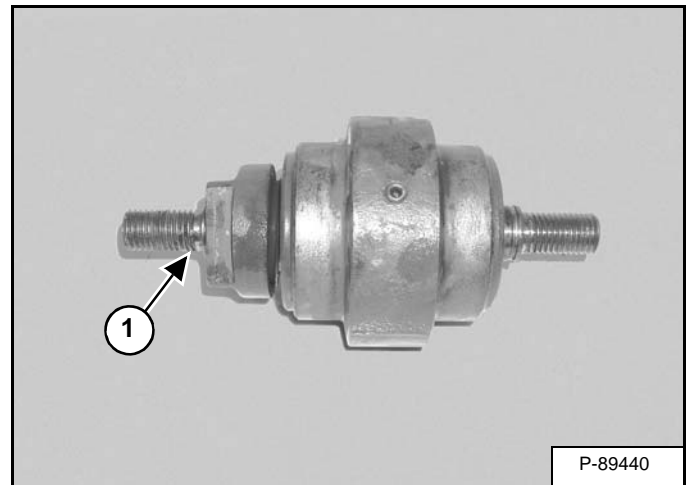
Remove the snap ring (Item 1) [Figure 30-60-1].

Figure 30-60-2



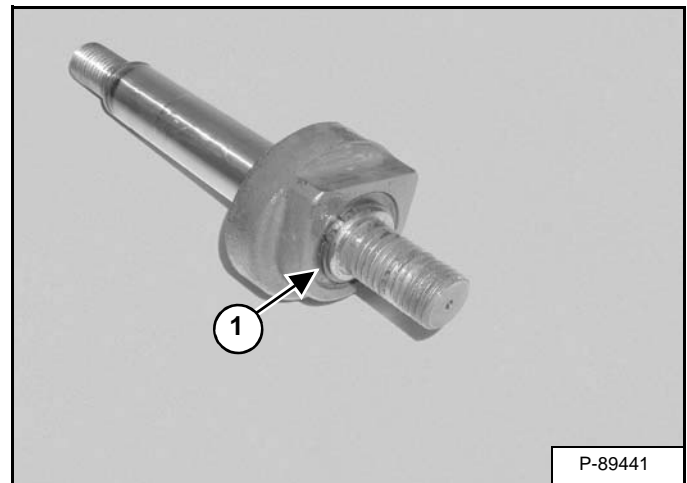
Remove the collar (Item 1) [Figure 30-60-2].

Figure 30-60-3



Remove the shaft assembly (Item 1) [Figure 30-60-3] from the roller.

Figure 30-60-4

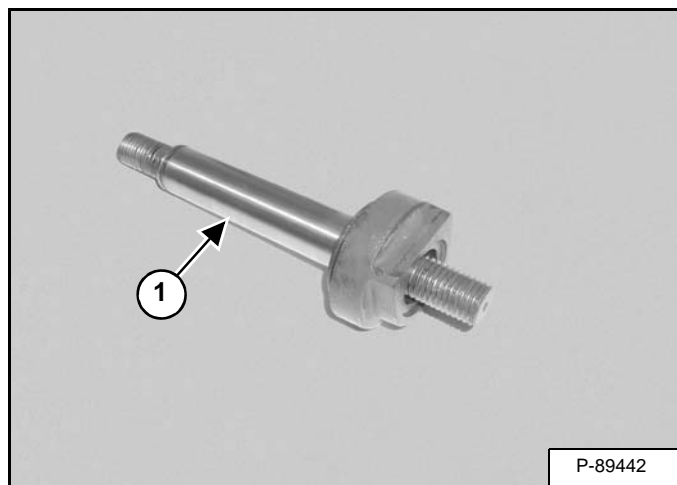


Remove the snap ring (Item 1) [Figure 30-60-4] from the shaft.

TRACK ROLLER (CONT'D)

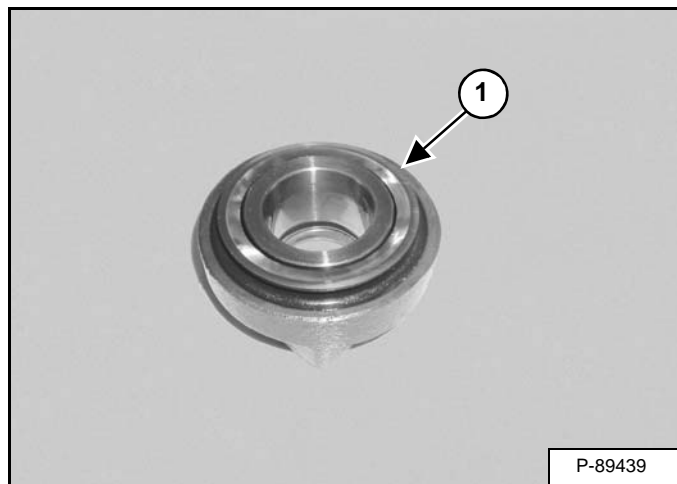
Disassembly (Cont'd)

Figure 30-60-5



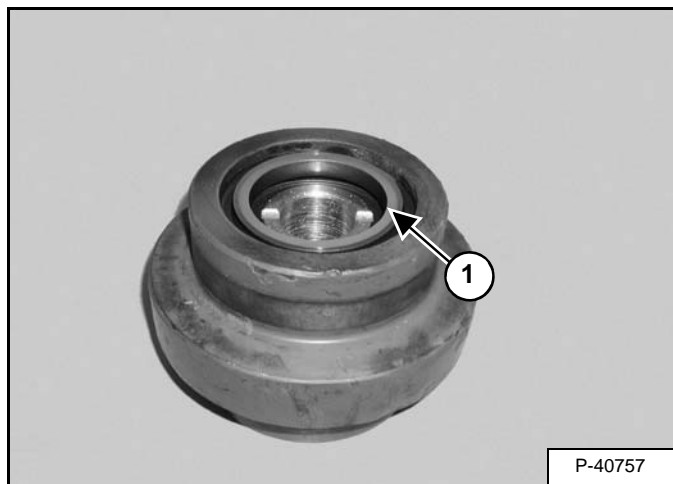
Remove the shaft (Item 1) [Figure 30-60-5] from the collar.

Figure 30-60-6



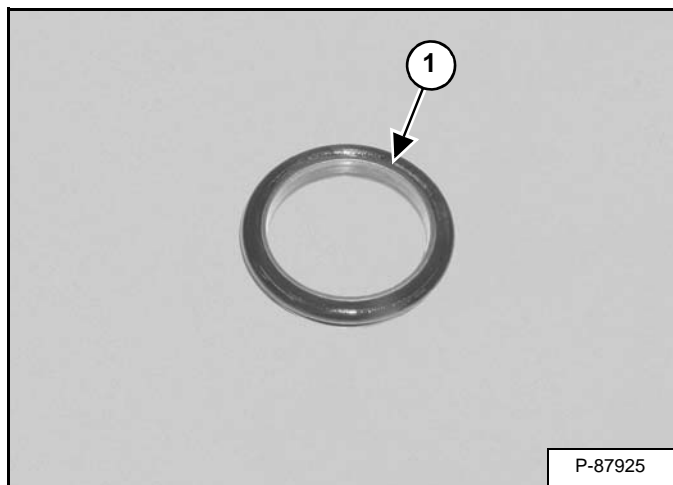
Remove the seal assembly (Item 1) [Figure 30-60-6] from both of the collars.

Figure 30-60-7



Remove the seal assembly (Item 1) [Figure 30-60-7] from both sides of the roller.

Figure 30-60-8

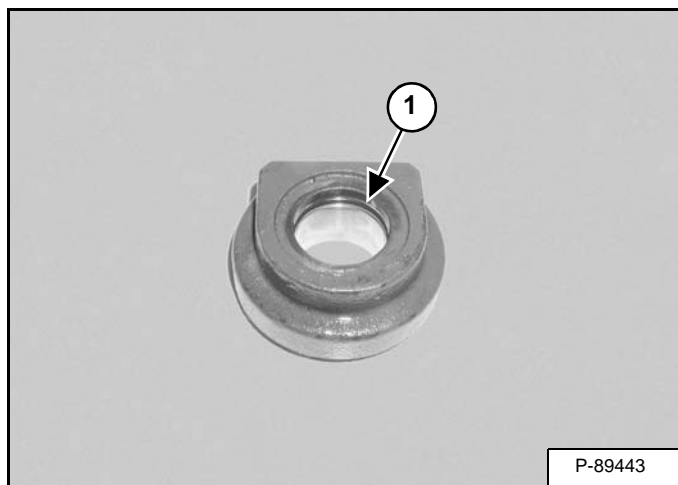


Remove the O-ring (Item 1) [Figure 30-60-8] from all four seal rings.

TRACK ROLLER (CONT'D)

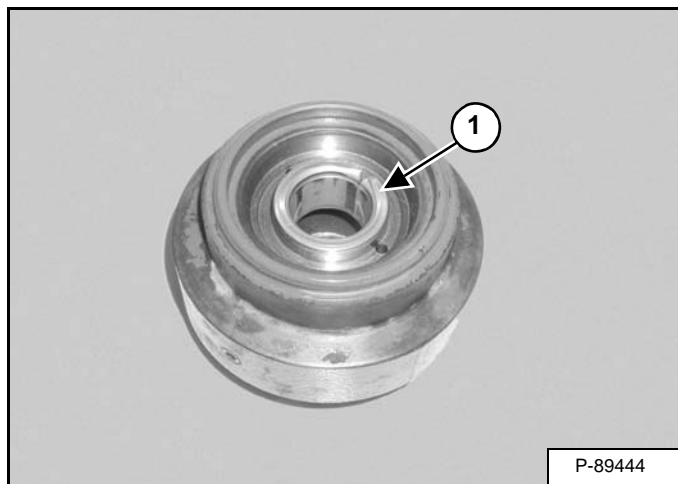
Disassembly (Cont'd)

Figure 30-60-9



Remove the O-ring (Item 1) **[Figure 30-60-9]** from both collars.

Figure 30-60-10



Remove the bushing (Item 1) **[Figure 30-60-10]** from both sides of the roller.

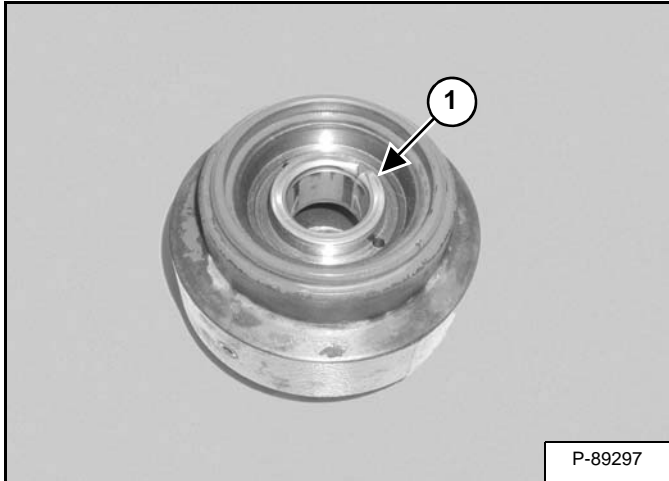
TRACK ROLLER (CONT'D)

Assembly

Clean all parts in solvent and dry with compressed air.

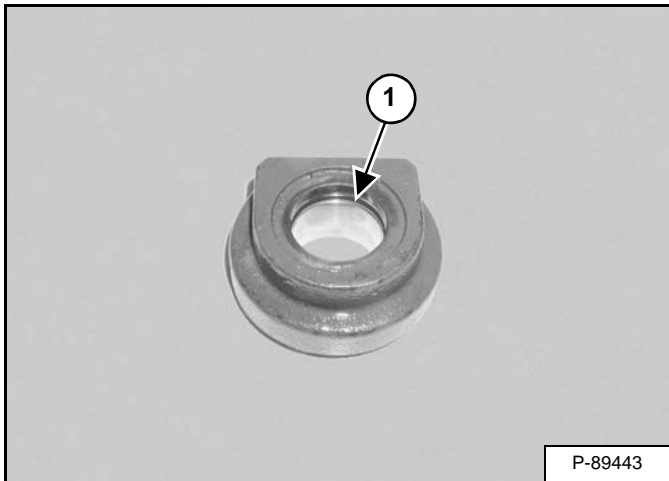
The seal assemblies are a matched set and must be replaced in pairs.

Figure 30-60-11



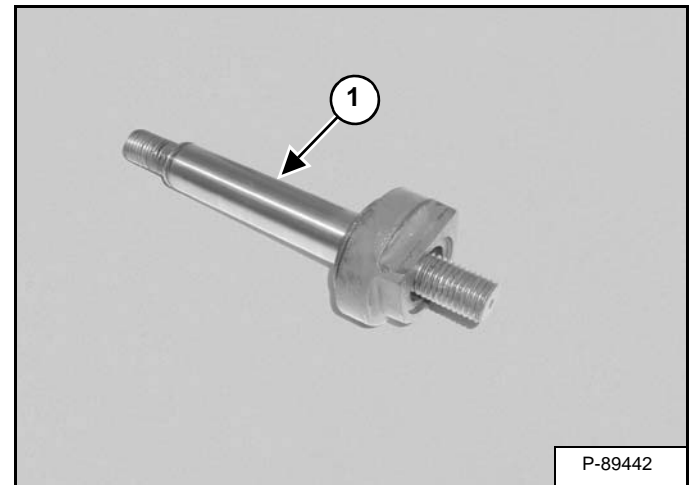
Install the bushing (Item 1) [Figure 30-60-11] in both sides of the roller.

Figure 30-60-12



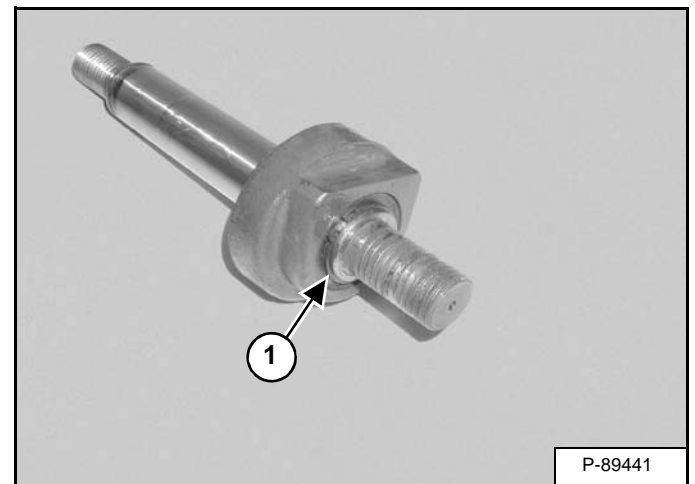
Install the O-ring (Item 1) [Figure 30-60-12] in both collars.

Figure 30-60-13



Install the shaft (Item 1) [Figure 30-60-13] in the collar.

Figure 30-60-14

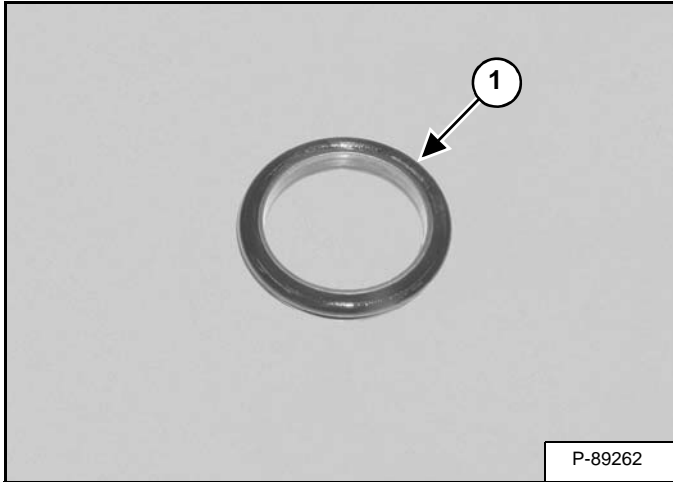


Install the snap ring (Item 1) [Figure 30-60-14] on the shaft.

TRACK ROLLER (CONT'D)

Assembly (Cont'd)

Figure 30-60-15

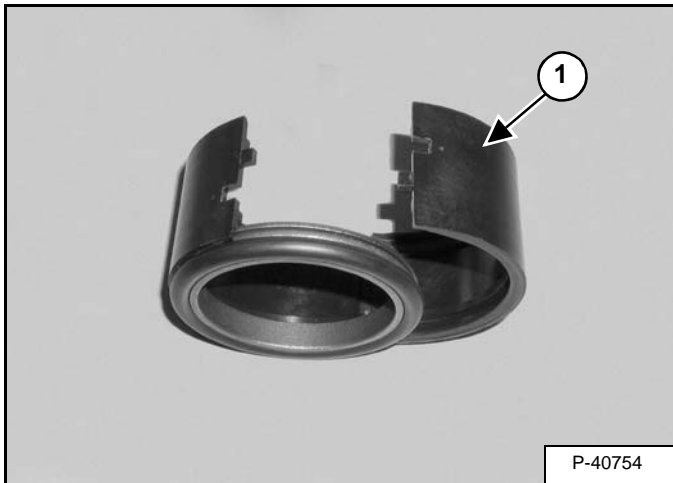


Install the O-ring (Item 1) [Figure 30-60-15] on the seal ring. Repeat this procedure on all four seal assemblies.

The O-ring and seal ring must be clean and free of any dust, oil film or foreign matter.

NOTE: Inspect the seal ring for burrs before installing the O-ring. Install the O-ring making sure it is not twisted. To remove any twists, gently pull a section of the O-ring and let it snap back.

Figure 30-60-16

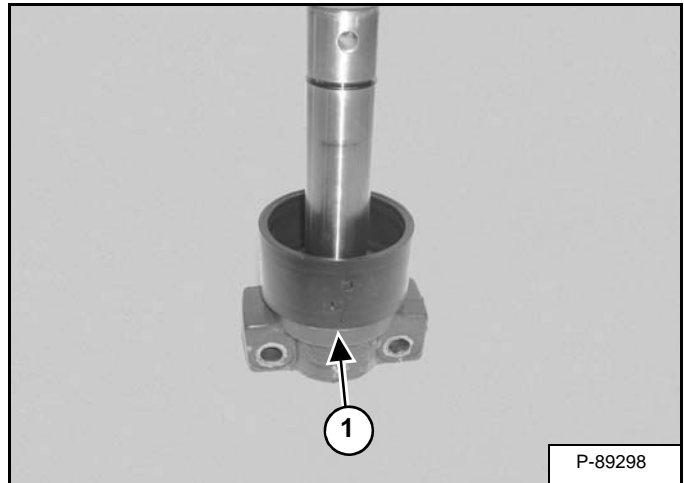


Place the seal assembly in the installation tool (Item 1) [Figure 30-60-16].

The O-ring and seal ring assembly has to be lubricated with alcohol, so the O-ring will slip past the housing retaining ring and seal uniformly in the housing radius.

Dip the seal assembly in a pan of alcohol.

Figure 30-60-17



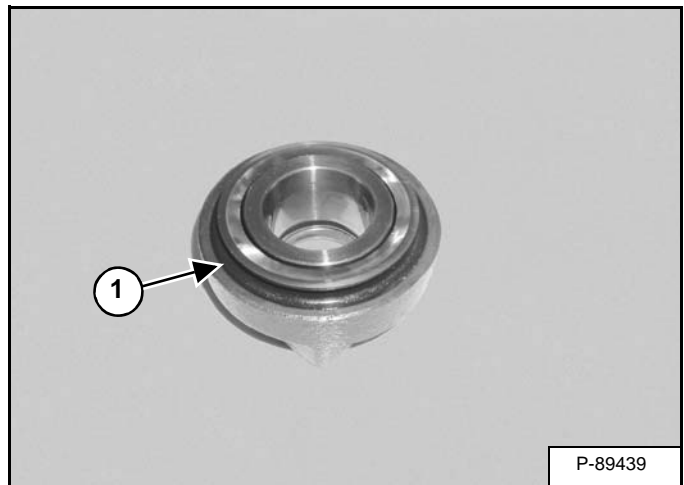
Shake off the excess alcohol and install the seal assembly (Item 1) [Figure 30-60-17] in the collar.

Use firm even pressure on the installation tool to *pop* the O-ring in to the collar.

Remove the installation tool.

Repeat the procedure for the second collar.

Figure 30-60-18



The seal assembly stand off height must be equal and the O-ring (Item 1) [Figure 30-60-18] must not be twisted.