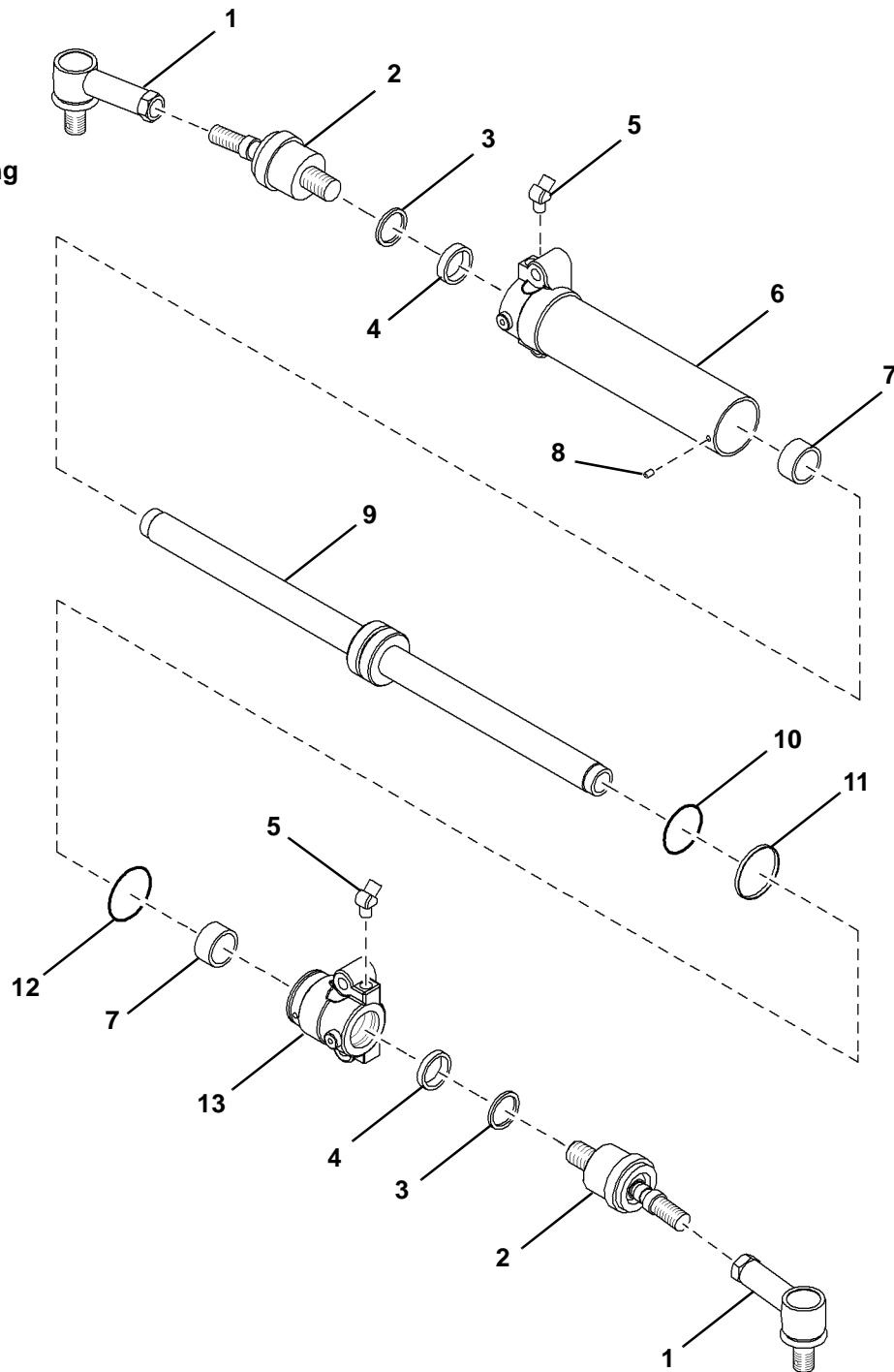


STEERING CYLINDER (SST MODELS) CONT'D)

Parts Identification

1. Tie Rod End
2. Swivel End
3. Wiper
4. Seal
5. Fitting
6. Housing
7. Bushing
8. Set Screw
9. Rod
10. Expander O-ring
11. Wear Seal
12. O-ring
13. Head Gland

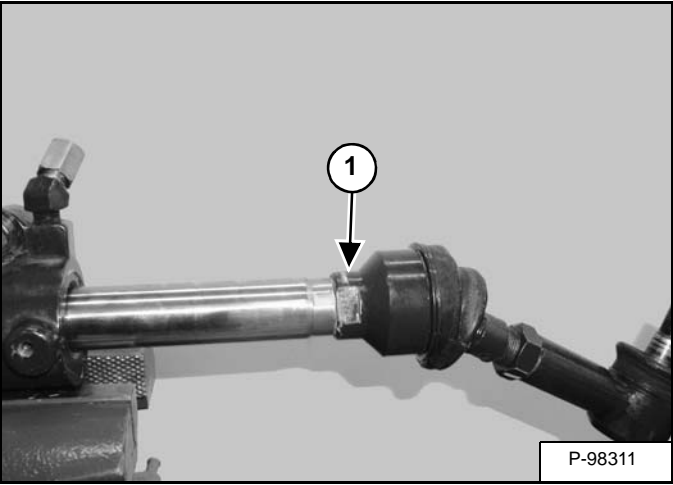


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STEERING CYLINDER (SST MODELS) CONT'D

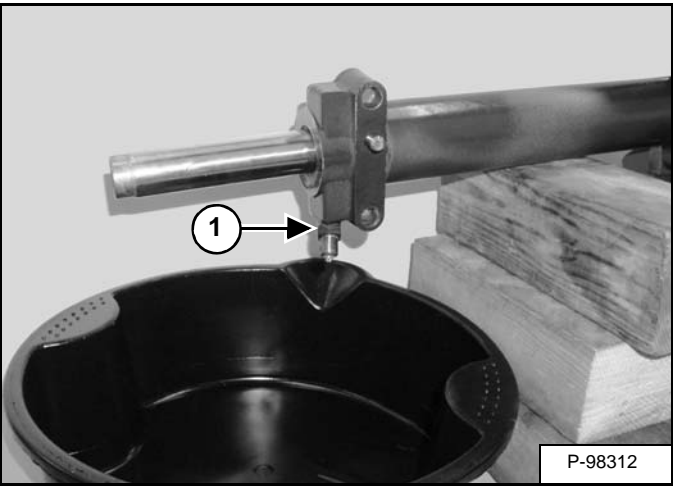
Disassembly

Figure 20-51-9



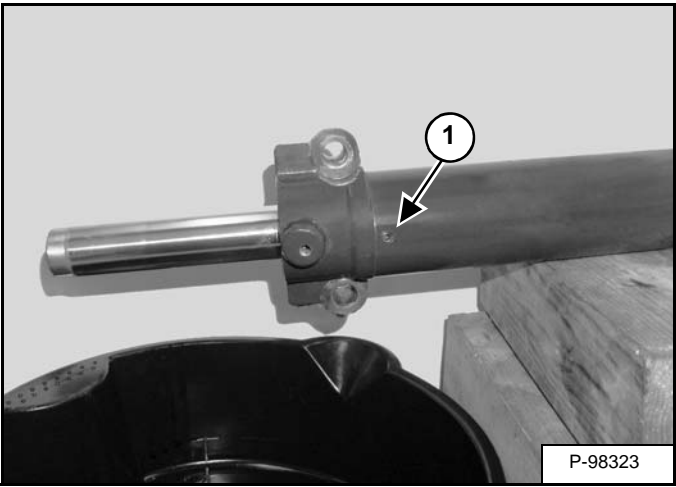
Put the cylinder in a vise and remove the tie rod swivel end (Item 1) [Figure 20-51-9] from the cylinder (both ends).

Figure 20-51-10



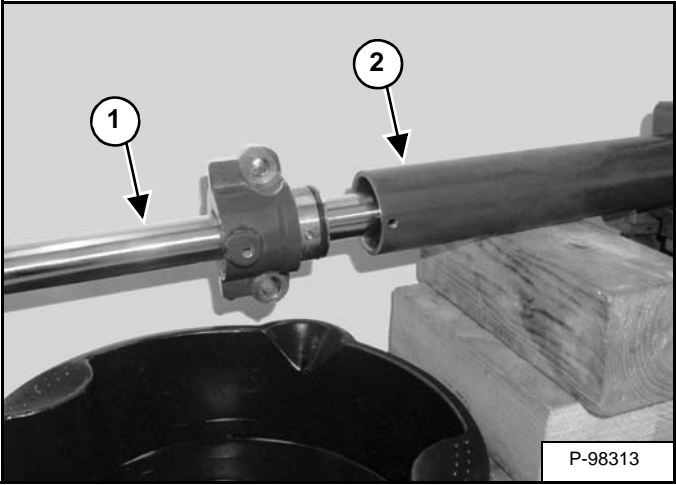
Place a drain pan under the cylinder. Remove the fitting (Item 1) [Figure 20-51-10] from the cylinder (both sides). Drain the oil from the cylinder.

Figure 20-51-11



Remove the set screw (Item 1) [Figure 20-51-11].

Figure 20-51-12

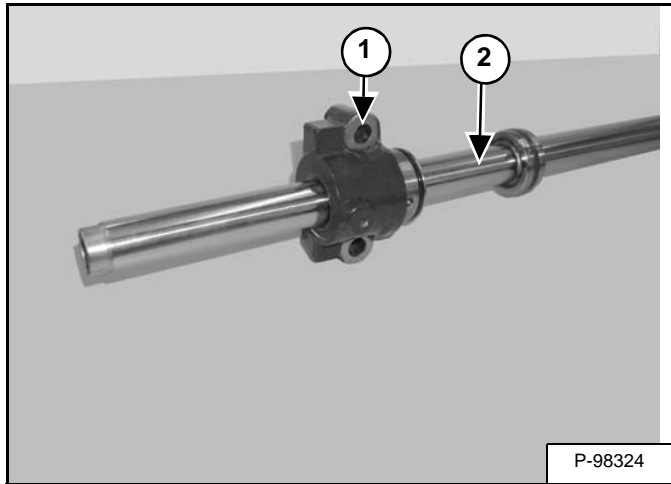


Remove the rod assembly (Item 1) from the housing (Item 2) [Figure 20-51-12].

STEERING CYLINDER (SST MODELS) CONT'D

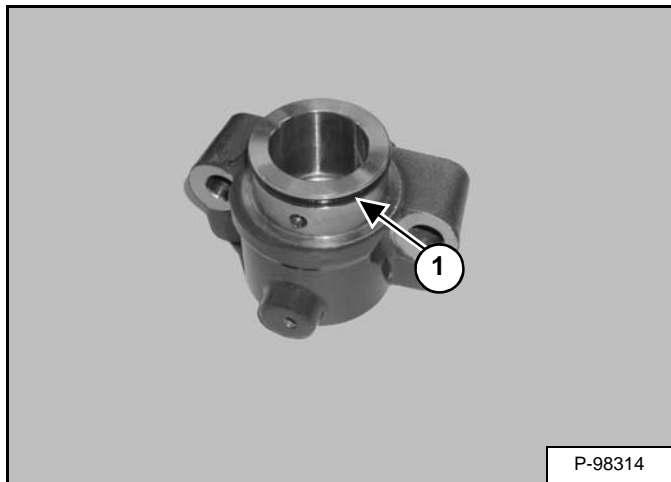
Disassembly (Cont'd)

Figure 20-51-13



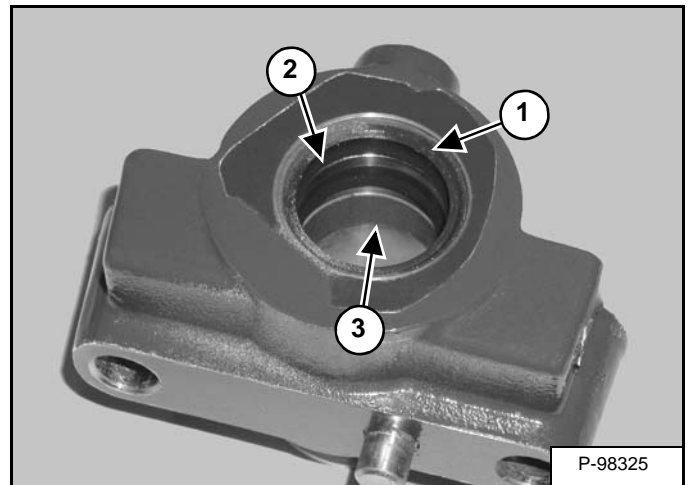
Remove the head assembly (Item 1) from the rod (Item 2) [Figure 20-51-13].

Figure 20-51-14



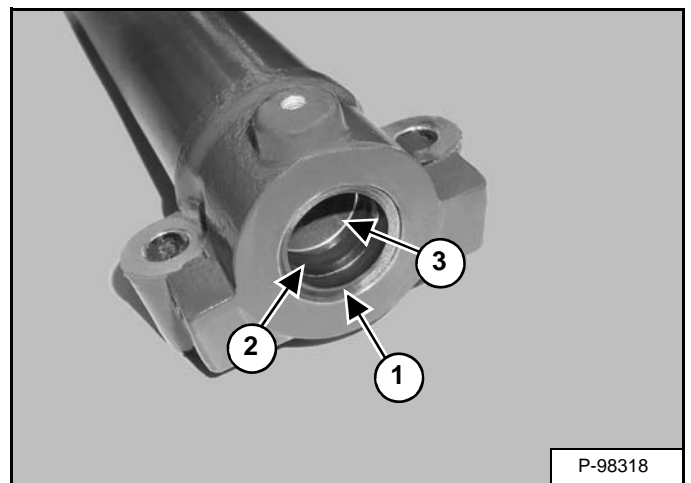
Remove the O-ring (Item 1) [Figure 20-51-14] from the head.

Figure 20-51-15



Remove the wiper seal (Item 1), seal (Item 2) and bushing (Item 3) [Figure 20-51-15] from the head.

Figure 20-51-16

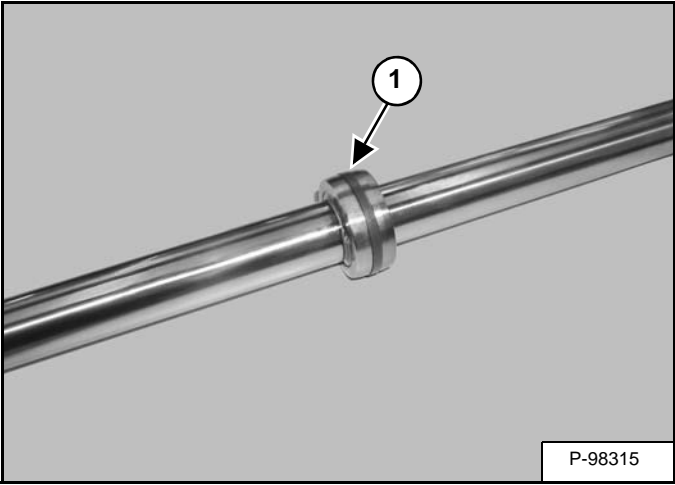


Remove the wiper seal (Item 1), seal (Item 2) and bushing (Item 3) [Figure 20-51-16] from the housing.

STEERING CYLINDER (SST MODELS) CONT'D

Disassembly (Cont'd)

Figure 20-51-17



Remove the wear ring and the expander O-ring (Item 1) [Figure 20-51-17] from the piston.

Assembly

Use the following tools to assemble the cylinder.

MEL1396 - Seal Installation Tool
MEL 1033 - Rod Seal Installation Tool

Wash the cylinder ports in solvent and dry with compressed air.

Figure 20-51-18

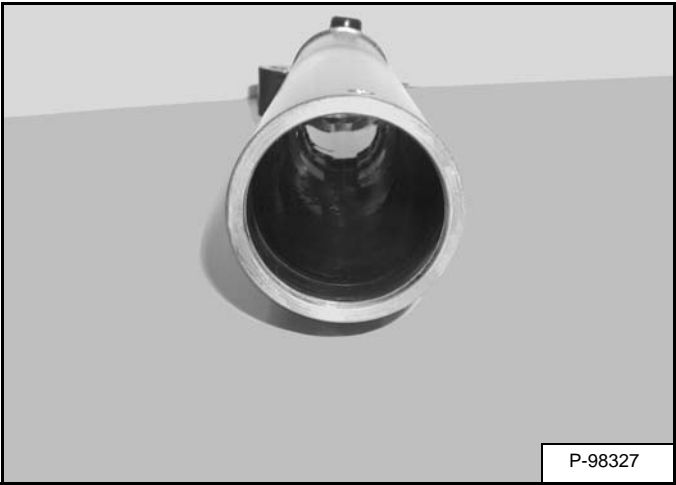
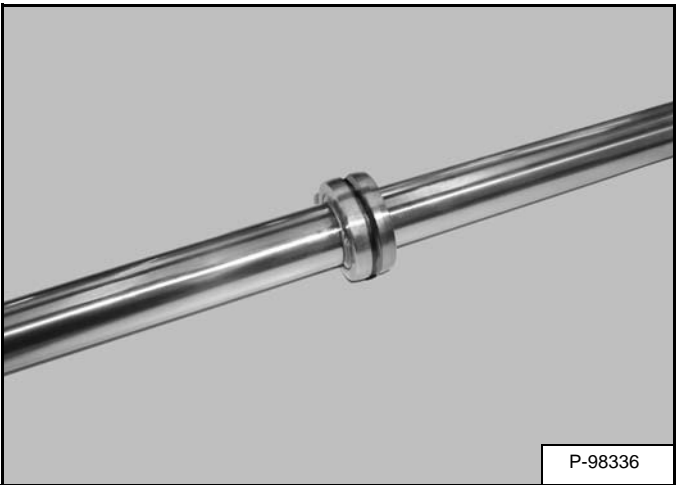


Figure 20-51-19



Inspect cylinder parts for nicks, scratches or other damage.

Replace any damaged parts [Figure 20-51-18] and [Figure 20-51-19].

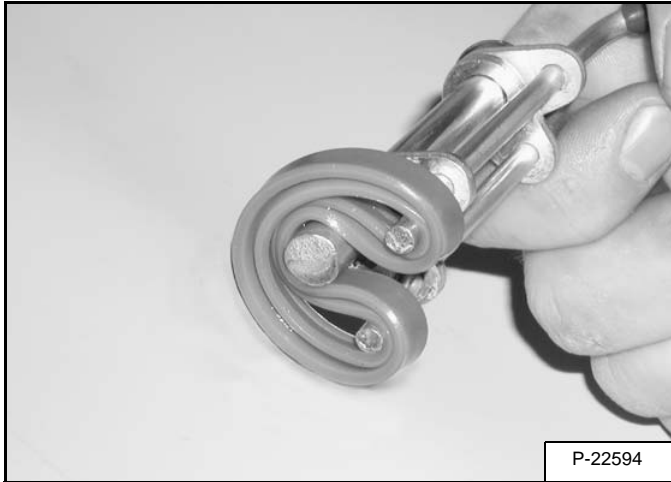
Lubricate all O-rings and seals with hydraulic oil during installation.

Always use new O-rings and seals.

STEERING CYLINDER (SST MODELS) CONT'D

Assembly (Cont'd)

Figure 20-51-20

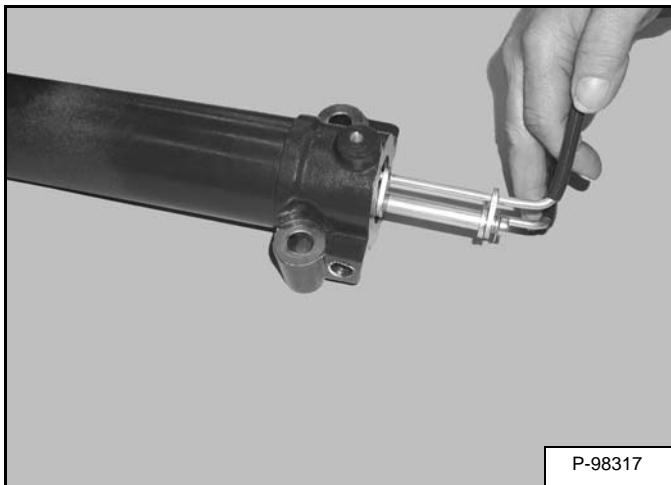


Install the rod seal on the rod seal installation tool [Figure 20-51-20].

NOTE: During installation the O-ring side of the seal must be toward the inside of the cylinder.

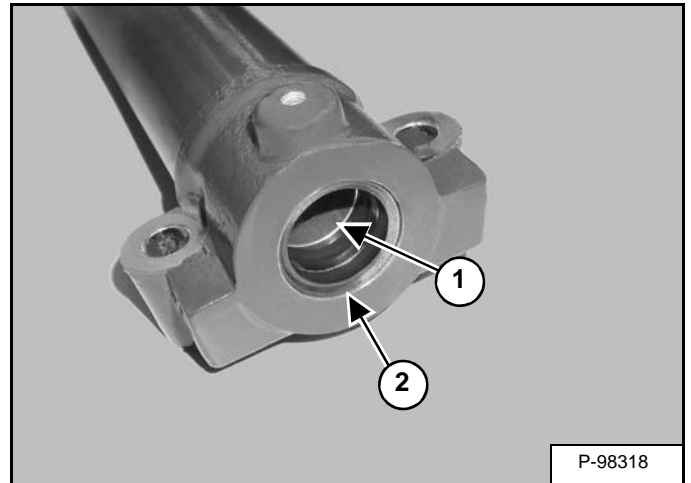
Rotate the handles to collapse the rod seal [Figure 20-51-20].

Figure 20-51-21



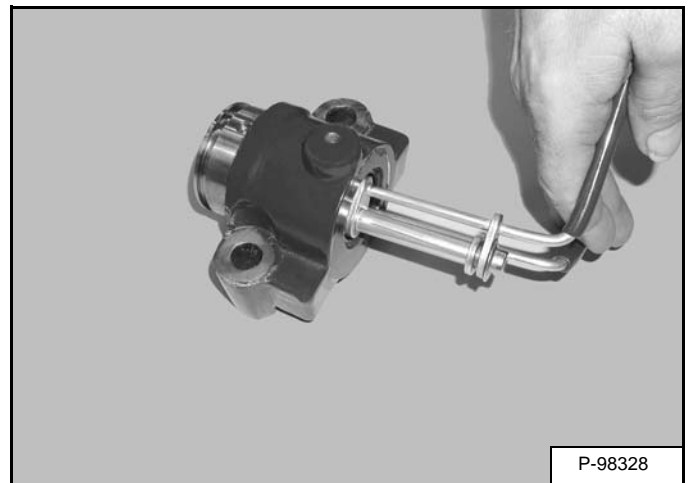
Install the rod seal in the housing [Figure 20-51-21].

Figure 20-51-22



Install the bushing (Item 1) and wiper seal (Item 2) [Figure 20-51-22] in the housing.

Figure 20-51-23



Install the rod seal in the head [Figure 20-51-23].