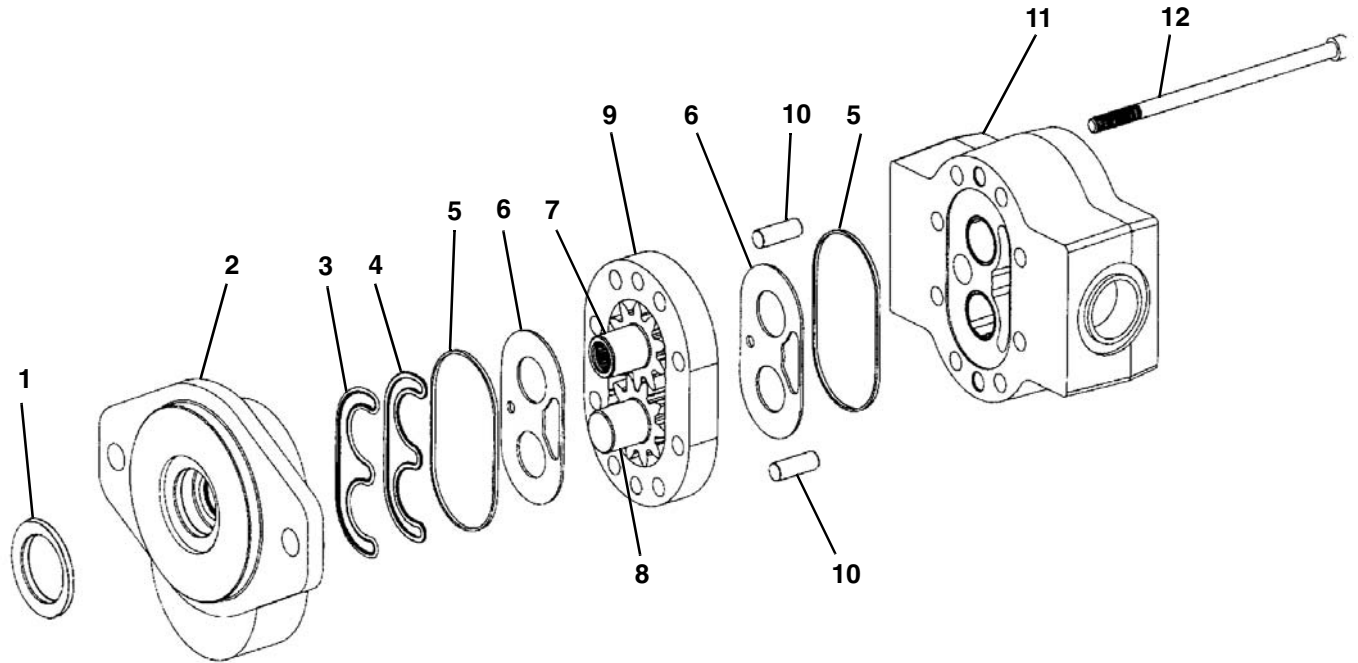


HYDRAULIC PUMP (SJC) (CONT'D)

Parts Identification



1. Shaft Seal
2. Pump Flange Section
3. Pre-Load Seal
4. Load Seal
5. O-ring
6. Wear Plate
7. Drive Gear
8. Idler Gear
9. Pump Center Section
10. Pins
11. Pump End Section
12. Bolt (8)

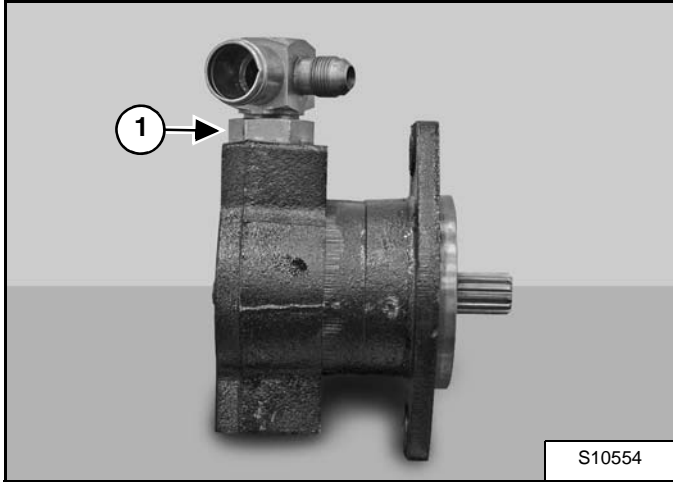
EM1002

HYDRAULIC PUMP (SJC) (CONT'D)

Disassembly And Assembly

Clean the outside of the hydraulic pump before disassembly.

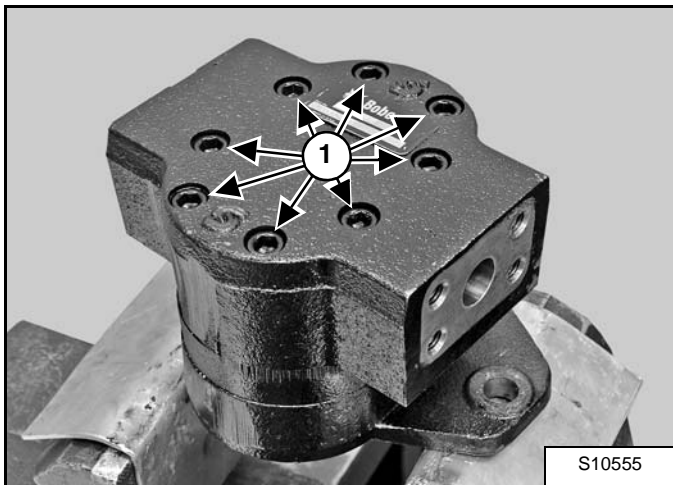
Figure 20-61-8



Mark the pump sections and fitting orientation for correct assembly **[Figure 20-61-8]**.

Remove the fitting (Item 1) **[Figure 20-61-8]** from the hydraulic pump.

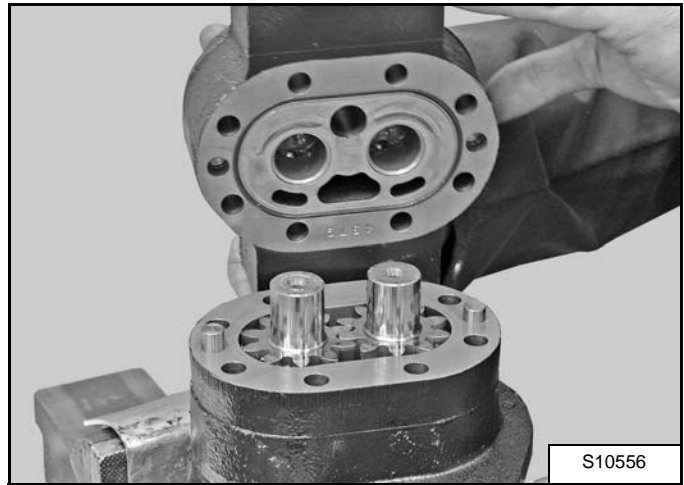
Figure 20-61-9



Put the pump, mounting flange down, in a protected jaw vise. Remove the eight assembly bolts (Item 1) **[Figure 20-61-9]**.

Installation: Tighten to 25 - 28 N•m (34 - 38 ft-lb) torque.

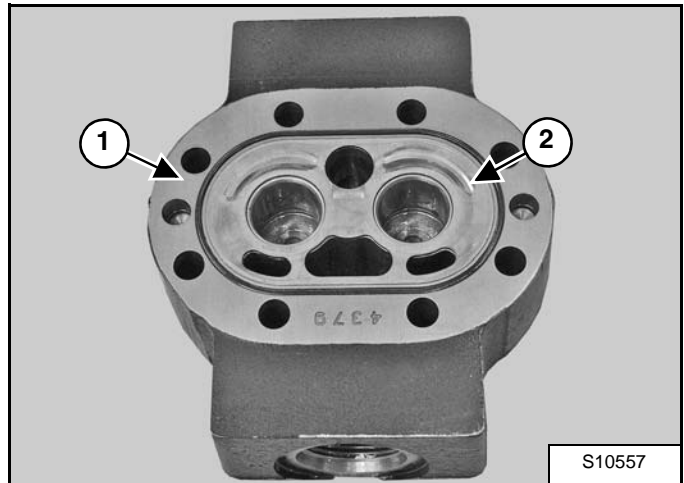
Figure 20-61-10



Remove the pump end section **[Figure 20-61-10]**.

Installation: Align the marks made during disassembly.

Figure 20-61-11

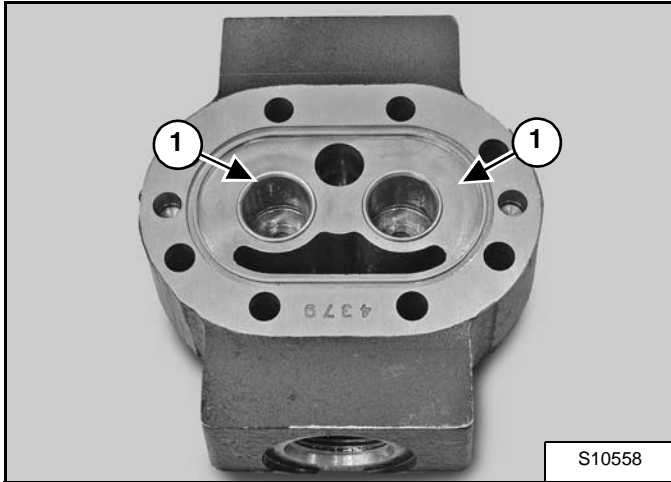


Remove the O-ring (Item 1) and wear plate (Item 2) **[Figure 20-61-11]** from the pump end section and check for wear. Replace if needed.

HYDRAULIC PUMP (SJC) (CONT'D)

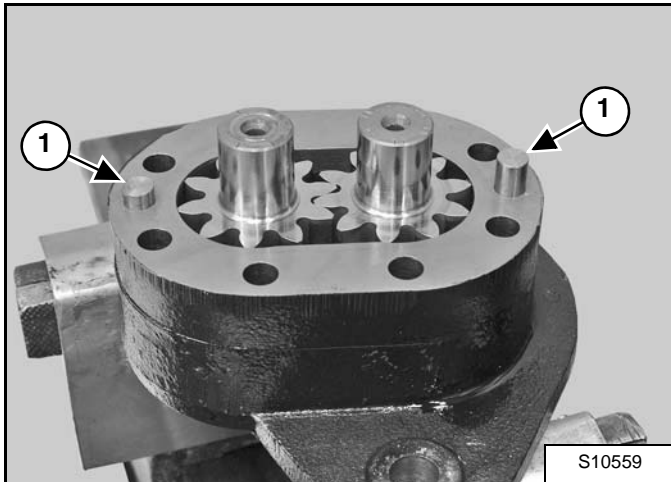
Disassembly And Assembly (Cont'd)

Figure 20-61-12



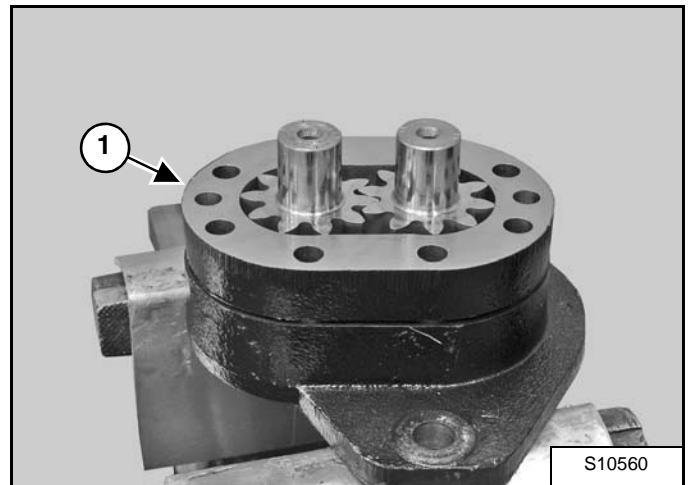
Remove the bushings (Item 1) [Figure 20-61-12] from the pump end section and check for wear. Replace if needed.

Figure 20-61-13



Remove the guiding pins (Item 1) [Figure 20-61-13] from the pump center section.

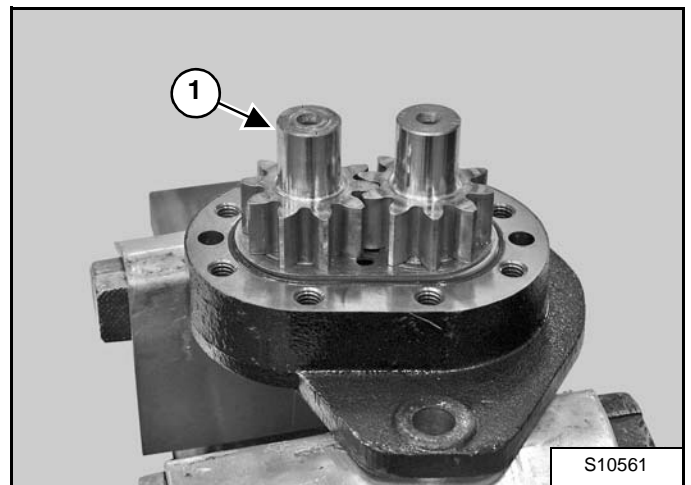
Figure 20-61-14



Remove the pump center section (Item 1) [Figure 20-61-14].

Installation: Align the marks made during disassembly.

Figure 20-61-15



Remove the idler gear (Item 1) [Figure 20-61-15] from the pump lower section.

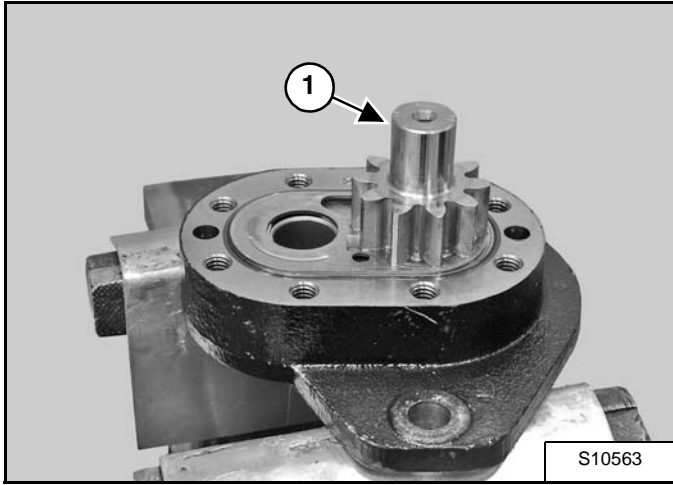
Inspect the idler gear. Replace if needed.

NOTE: The drive gear and idler gear are not serviced separately. These parts are matched sets which are run in at the factory. If any part is damaged, the entire section must be replaced.

HYDRAULIC PUMP (SJC) (CONT'D)

Disassembly And Assembly (Cont'd)

Figure 20-61-16

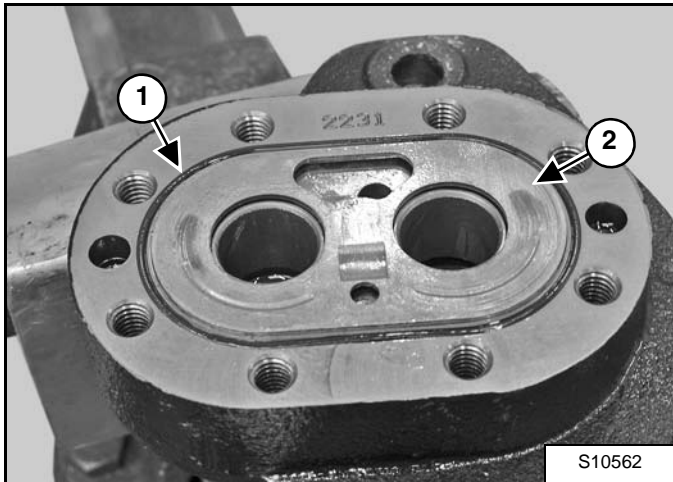


Remove the drive shaft and drive gear (Item 1) [Figure 20-61-16] from the pump lower section.

Inspect the drive shaft and drive gear. Replace if needed.

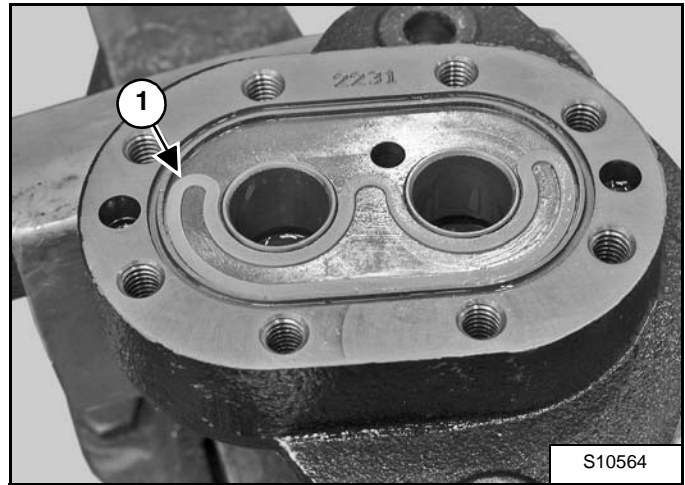
NOTE: The drive gear and idler gear are not serviced separately. These parts are matched sets which are run in at the factory. If any part is damaged, the entire section must be replaced.

Figure 20-61-17



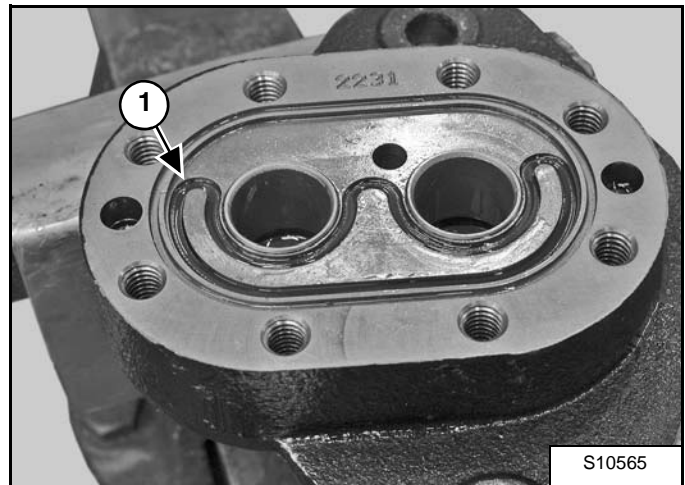
Remove the O-ring (Item 1) and wear plate (Item 2) [Figure 20-61-17].

Figure 20-61-18



Remove the load seal (Item 1) [Figure 20-61-18].

Figure 20-61-19



Remove the pre-load seal (Item 1) [Figure 20-61-19].