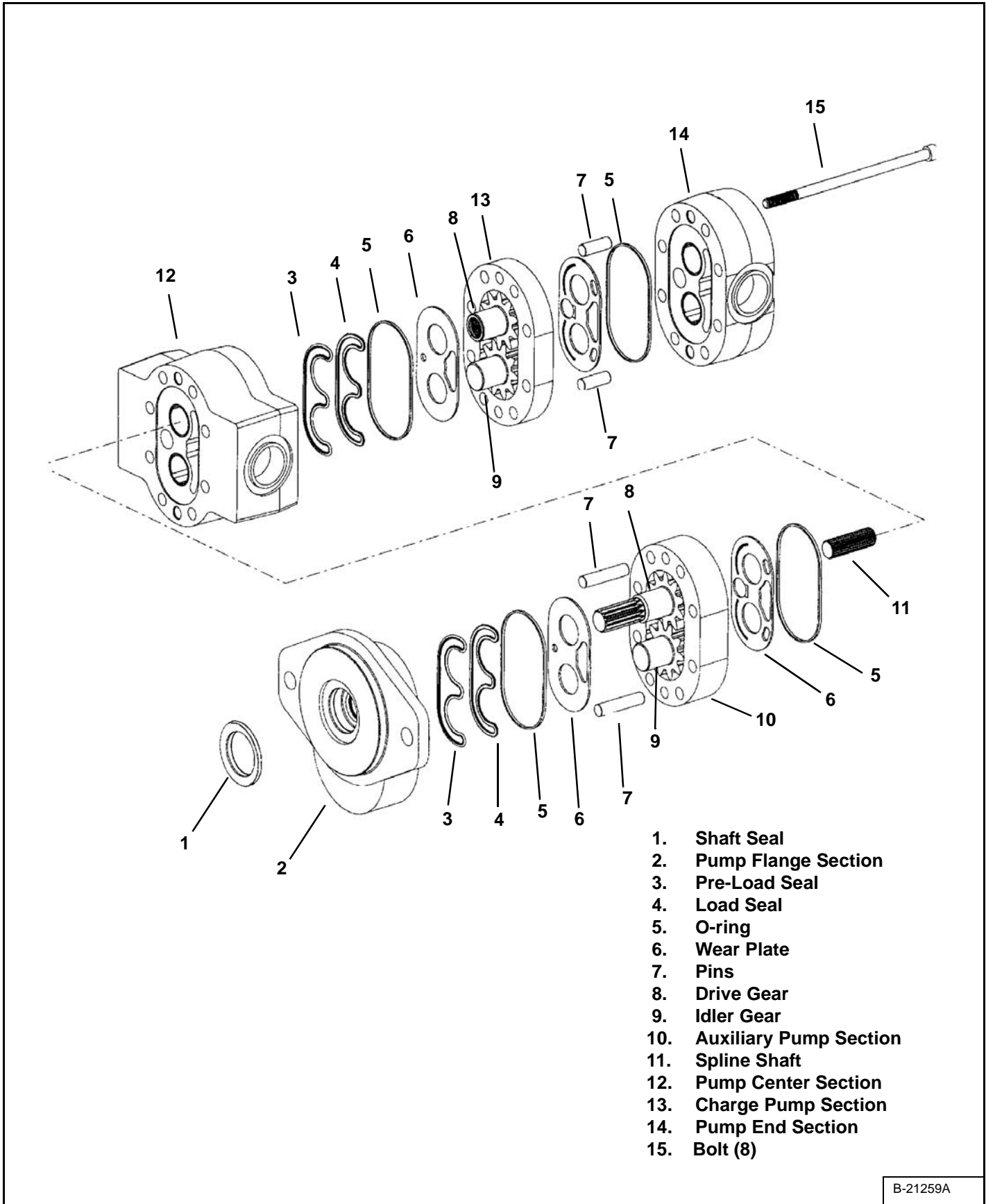


# HYDRAULIC PUMP (CONT'D)

## Parts Identification

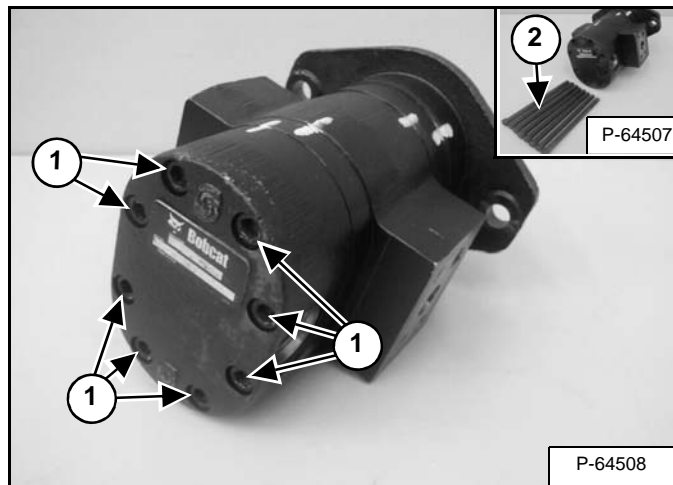


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## HYDRAULIC PUMP (CONT'D)

### Disassembly And Assembly

Figure 20-60-22



Mark the pump sections for correct assembly [Figure 20-60-22].

Remove the eight pump housing bolts (Item 1) [Figure 20-60-22].

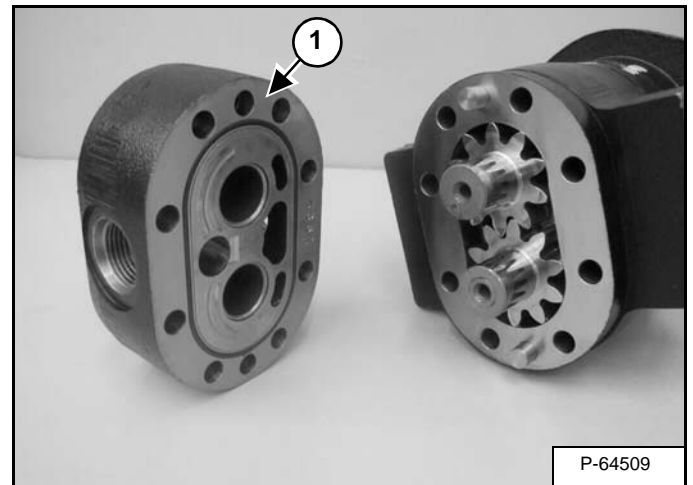
**Installation:** Tighten the bolts (Item 2) [Figure 20-60-22] to 73,2 N•m (54 ft-lb) torque.

# IMPORTANT

When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

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Figure 20-60-23



Remove the pump end section (Item 1) [Figure 20-60-23].

## HYDRAULIC PUMP (CONT'D)

### Disassembly And Assembly (Cont'd)

Figure 20-60-24

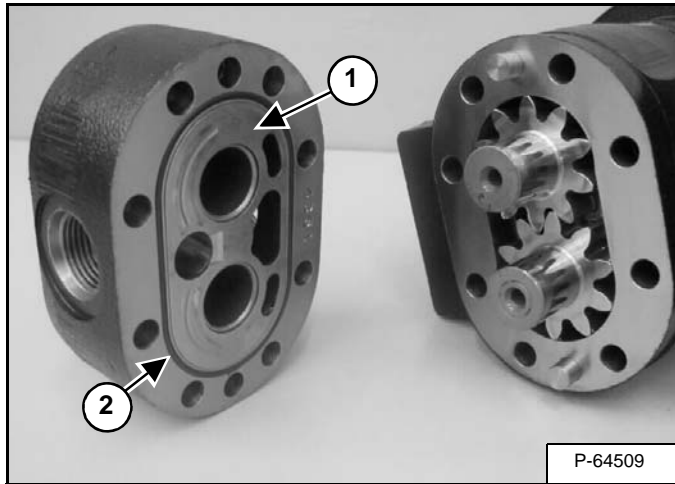
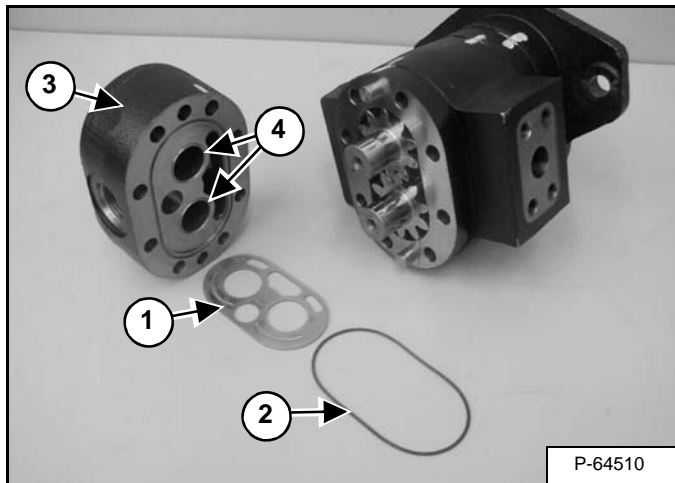


Figure 20-60-25



Remove the wear plate (Item 1) and section seal (Item 2) [Figure 20-60-24] and [Figure 20-60-25] from the pump end section.

**NOTE:** Position wear plate (Item 1) [Figure 20-60-25] inlets and traps as shown with bronze side toward gears.

**NOTE:** Inspect the pump end section (Item 3) [Figure 20-60-25] and bushings (Item 4) [Figure 20-60-25]. If excessive wear or damage is visible, the pump must be replaced.

Figure 20-60-26

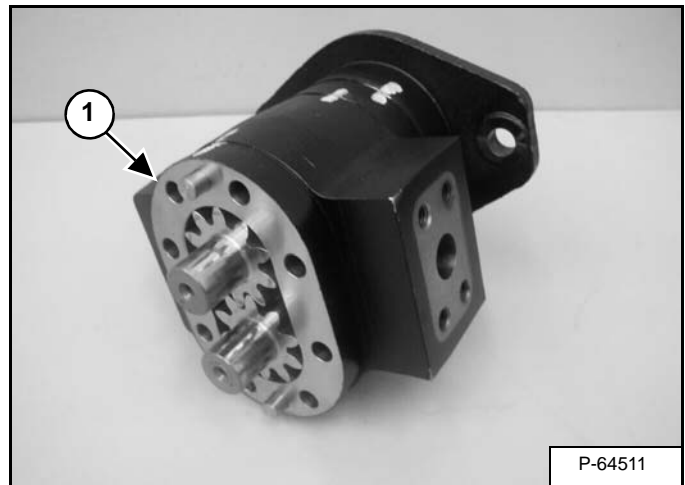
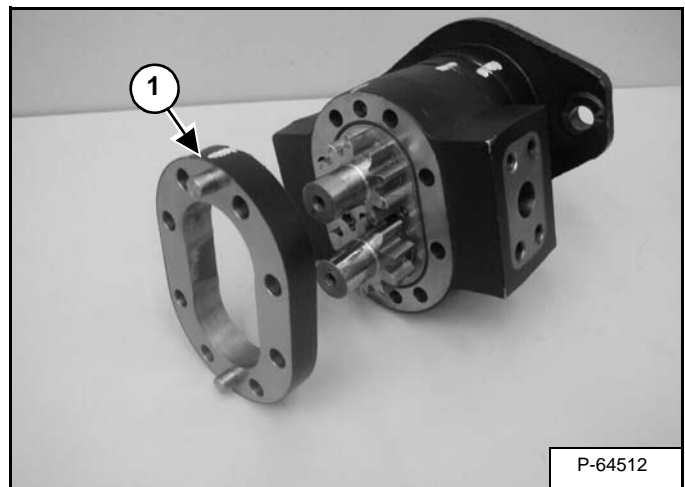


Figure 20-60-27



Remove the charge pump section (Item 1) [Figure 20-60-26] and [Figure 20-60-27] from the pump center section.

**NOTE:** Inspect the pump section (Item 1) [Figure 20-60-27]. If excessive wear or damage is visible, the pump must be replaced.

## HYDRAULIC PUMP (CONT'D)

### Disassembly And Assembly (Cont'd)

Figure 20-60-28

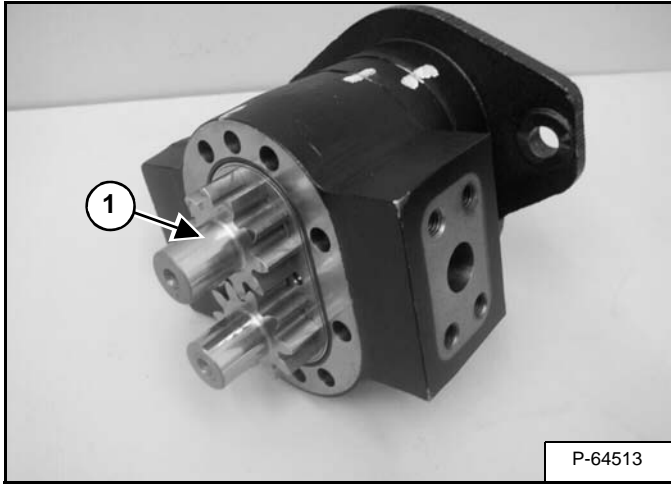
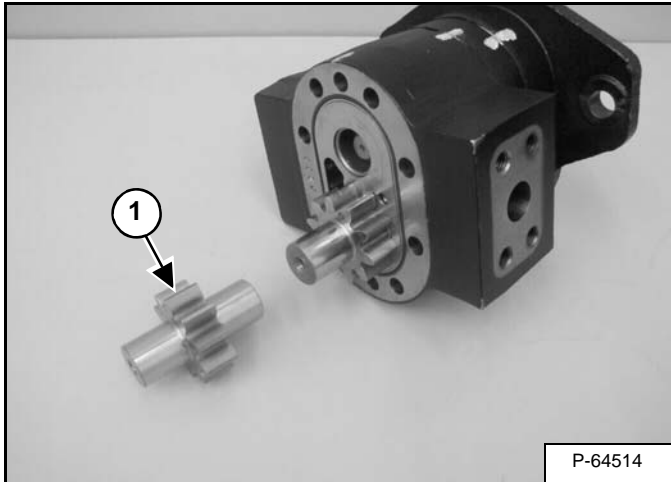


Figure 20-60-29



Remove the drive gear (Item 1) [Figure 20-60-28] and [Figure 20-60-29].

**NOTE:** Inspect the drive gear (Item 1) [Figure 20-60-29]. If excessive wear or damage is visible, the pump must be replaced.

Figure 20-60-30

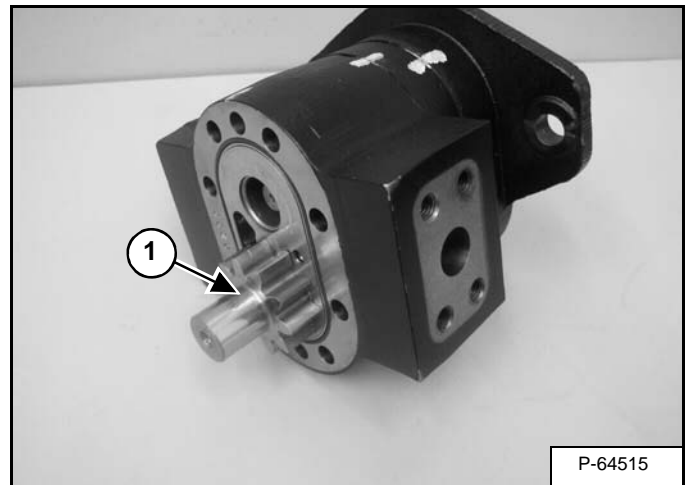
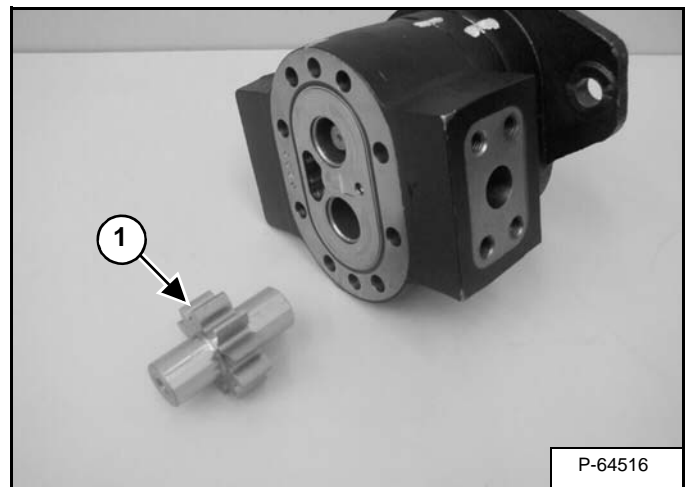


Figure 20-60-31



Remove the idler gear (Item 1) [Figure 20-60-30] and [Figure 20-60-31] from the pump center section.

**NOTE:** Inspect the idler gear (Item 1) [Figure 20-60-31]. If excessive wear or damage is visible, the pump must be replaced.

## HYDRAULIC PUMP (CONT'D)

### Disassembly And Assembly (Cont'd)

Figure 20-60-32

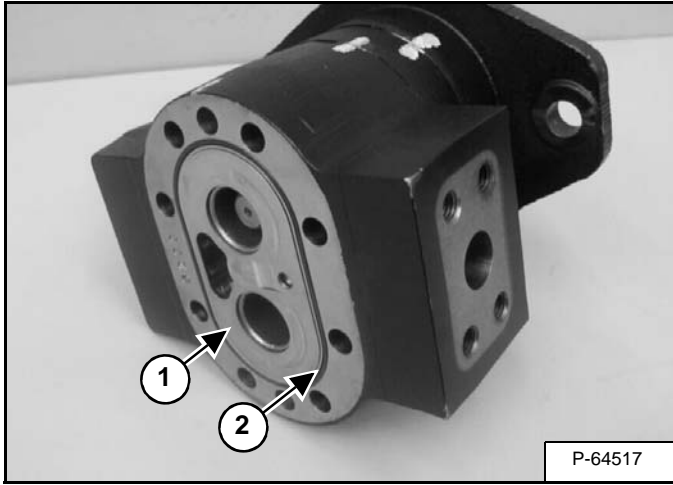
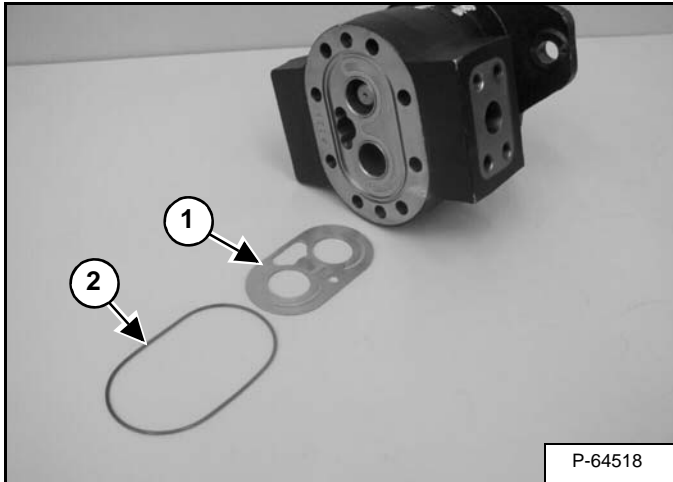


Figure 20-60-33



Remove the wear plate (Item 1) and O-ring (Item 2) [Figure 20-60-32] and [Figure 20-60-33] from the pump center section. Inspect for damage and replace as needed.

**NOTE:** Position wear plate (Item 1) [Figure 20-60-33] inlets and traps as shown with bronze side toward gears.

Figure 20-60-34

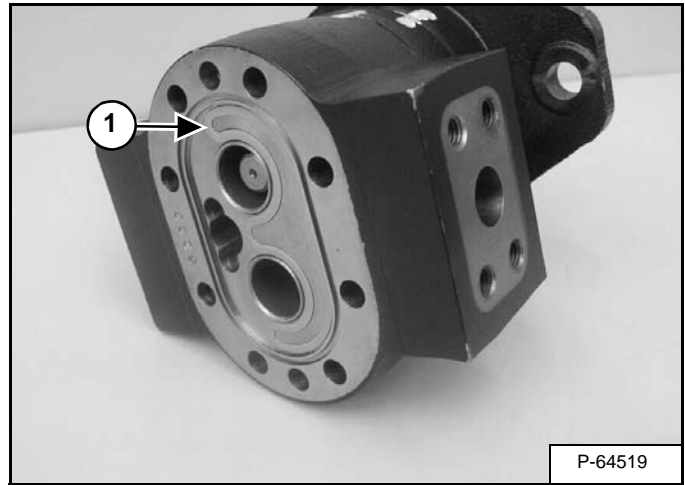
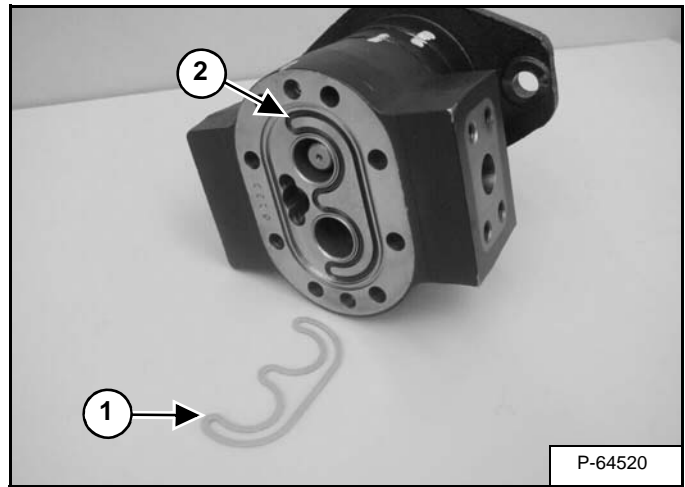


Figure 20-60-35



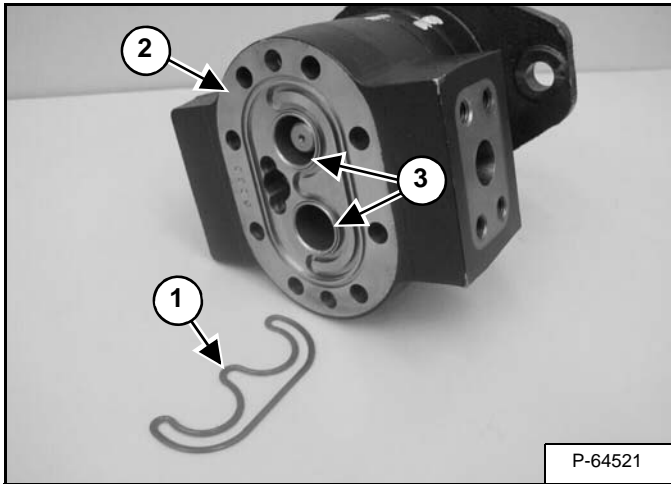
Remove the load seal (Item 1) [Figure 20-60-34] and [Figure 20-60-35]. Inspect for damage and replace as needed.

Remove the pre-load seal (Item 2) [Figure 20-60-35].

## HYDRAULIC PUMP (CONT'D)

### Disassembly And Assembly (Cont'd)

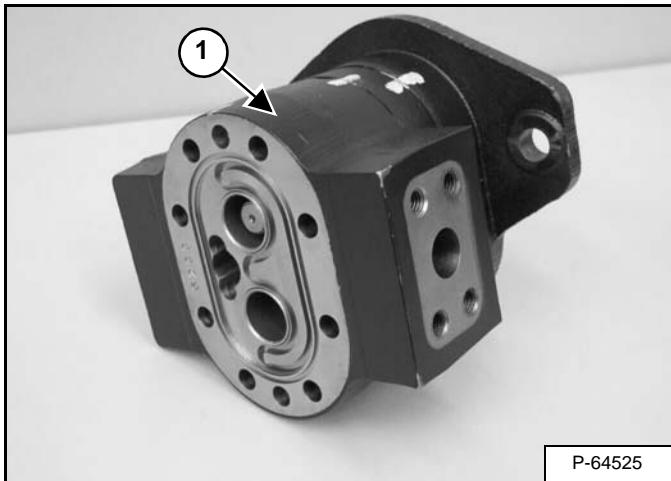
Figure 20-60-36



Inspect the pre-load seal (Item 1) [Figure 20-60-36] for damage and replace as needed.

**NOTE:** Inspect the pump center section (Item 2) and bushings (Item 3) [Figure 20-60-36]. If excessive wear or damage is visible, the pump must be replaced.

Figure 20-60-37



Remove the pump center section (Item 1) [Figure 20-60-37].

Figure 20-60-38

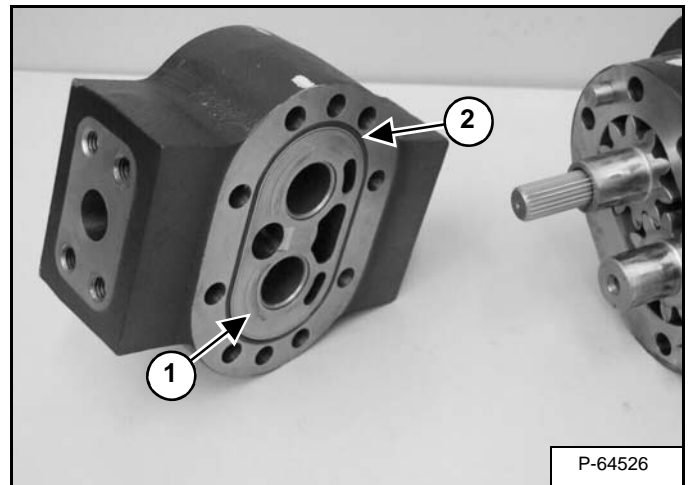
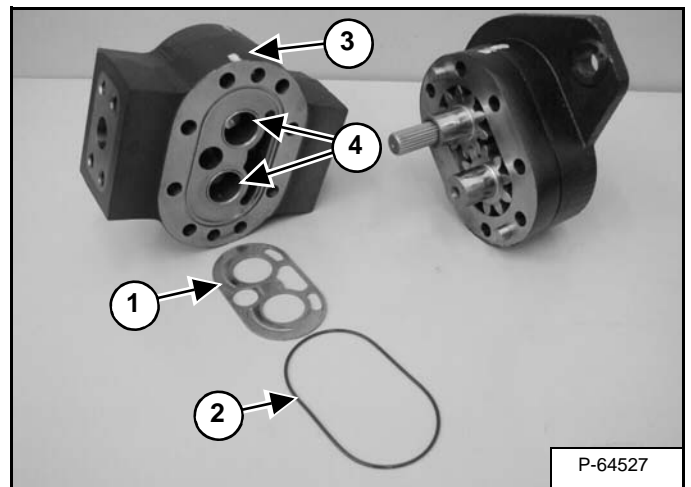


Figure 20-60-39



Remove the wear plate (Item 1) and O-ring (Item 2) [Figure 20-60-38] and [Figure 20-60-39] from the pump center section. Inspect for damage and replace as needed.

**NOTE:** Position wear plate (Item 1) [Figure 20-60-39] inlets and traps as shown with bronze side toward gears.

**NOTE:** Inspect the pump center section (Item 3) and bushings (Item 4) [Figure 20-60-39]. If excessive wear or damage is visible, the pump must be replaced.