

RW25140A-UN: Pump cover, 40 cm³ hydraulic pump

LEGEND:

- A - Pump cover
- B - Valve plate
- C - Bearing cup
- D - Compensator piston
- E - Dowel pin
- F - Valve plate groove
- G - Relief valve

40 cm³ (2.4 cu in.) hydraulic pump:

Remove pump cover (A) from pump housing.

Inspect valve plate (B) for signs of damage and excessive wear.

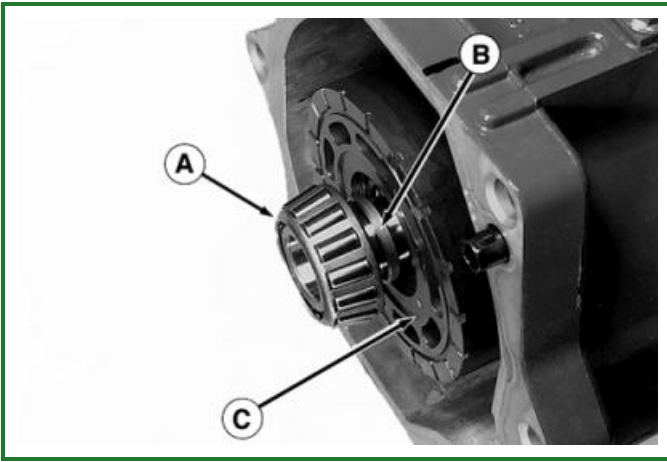
IMPORTANT:

Groove (F) in the valve plate must align with dowel pin (E). The pump cover dowel pin must engage in the valve plate hole.

Inspect bearing cup (C). Replace the bearing cup if the shaft bearing cone is replaced. Be careful pump cover surface is not damaged during bearing cup removal or installation. Press new bearing cup until it bottoms in valve body.

Inspect compensator piston (D) for signs of wear. Rotate piston and check for smooth operation. Piston must not bind. Remove retaining ring and O-ring on opposite side of pump cover to remove piston rod assembly.

Inspect relief valve (G). This valve cannot be repaired.



RW25870-UN: Shaft bearing, 40 cm³ hydraulic pump

Place the pump in a horizontal position.

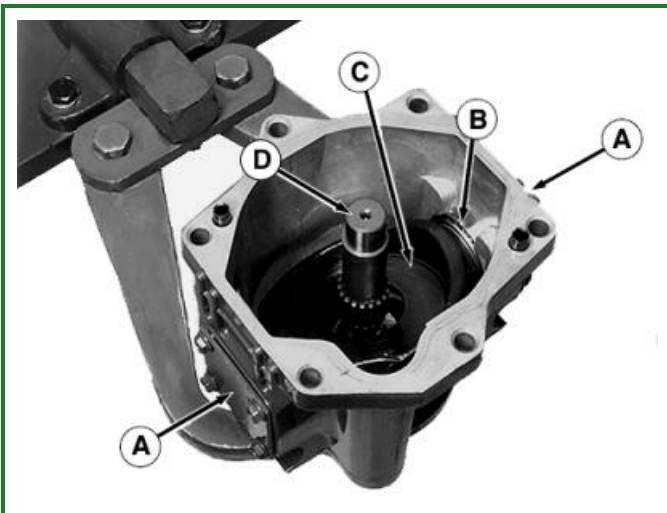
Remove shaft bearing (A).

Remove bearing spacer (B).

NOTE:

The cylinder block assembly may fall apart as the pump housing is being removed.

Take care when removing the cylinder block assembly (C).



RW25871-UN: 40 cm³ (2.4 cu in.) pump shown

LEGEND:

- A - Bearing quill
- B - Bearing, cups and spacers
- C - Swashplate
- D - Shaft

25 cm³ (1.5 cu in.) and 40 cm³ (2.4 cu in.) pumps:

IMPORTANT:

Do not damage the shims. The shims are required to pretension the bearings during assembly.