

Procedure

1. Clean the hydraulic gear pump. After cleaning, remove the port plugs and the drain oil.
2. Put a location mark across front plate, body, and backplate for correct reassembly.
3. Put the hydraulic gear pump in a vise with shaft end down. Remove screws (1) and washers.
4. Remove the hydraulic gear pump from the vise, and tap shaft with a plastic hammer to separate front plate from backplate. Body will remain with either the front plate or the backplate.
5. Remove the gear assembly and the bearing blocks from body. Identify each bearing block with a marker to identify the position on the body. These marks must line up during reassembly.
6. Remove the static seal (1) from the front and the rear of the body.



Fig. 16



Fig. 17

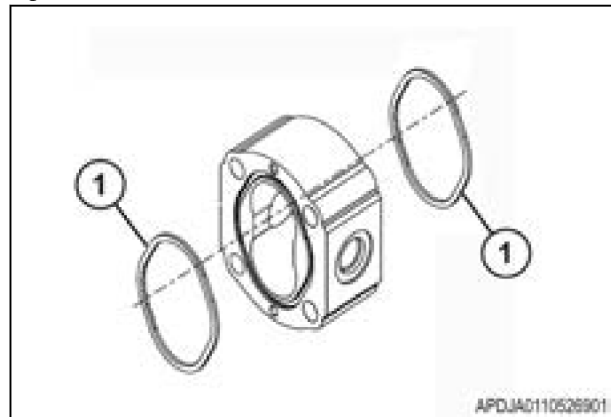


Fig. 18

7. Remove anti-extrusion seal (1) and the pressure loading seal (2) from bearing block (3).

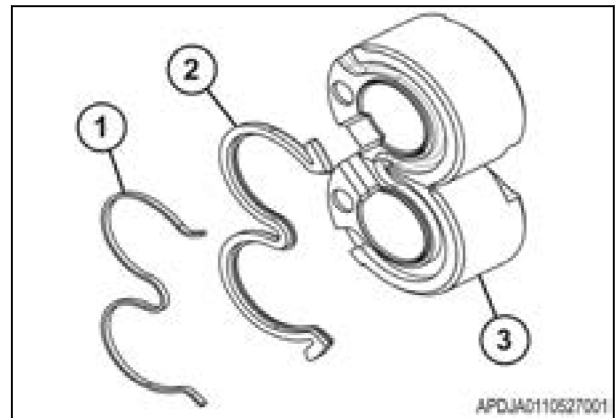


Fig. 19

8. Remove the retainer ring (1) from the front plate (2) at the shaft seal area.
9. Remove the shaft seal (3) from the front plate with a blunt punch from the rear side.

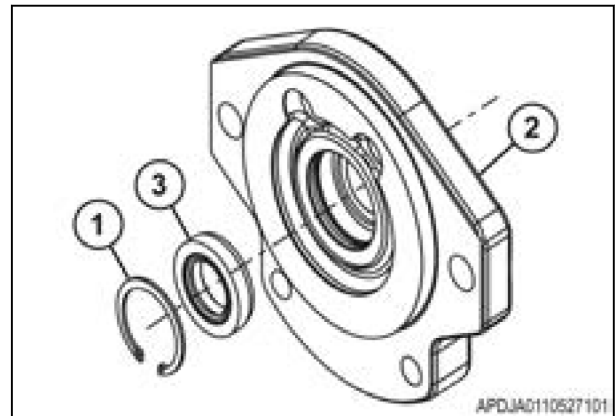


Fig. 20

8.2.1.3 Assemble the hydraulic gear pump

IMPORTANT:

It is extremely important to work in a clean environment when repairing hydraulic pumps.

Procedure

1. Put the front cover (2) flat with shaft seal bore up.
2. Install the new shaft seal (3).
3. Install the retainer ring (1).

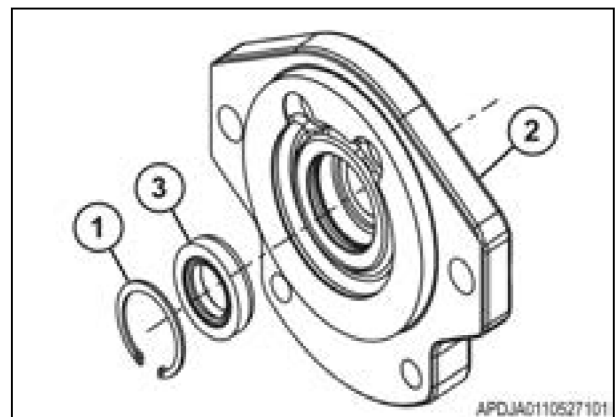


Fig. 21