4. To remove the oil pump rotors, disassemble the side cover and remove the rotor A, (delivery side); next, remove the dowel pin and pull out the shaft from the rotor body. This will permit the rotor B (scavenge side) to be removed. **(Fig. 3-11)**
5. Remove the metal oil screen and unscrew the four bolts at the pump base to remove the oil pump body. **(Fig. 3-12)**
6. For disassembling the oil leak stopper valve, remove the oil leak stopper cap bolts. The oil leak stopper cap, spring and oil leak stopper valve can be removed from the oil pump. **(Fig. 3-13)**
7. For disassembling the relief valve, unscrew the relief spring cap, the relief valve spring and relief valve can be removed. **(Fig. 3-13)**

c. Inspection

1. Check the oil pump side cover for cracks.
2. Outer rotor and body clearance

   Measure the clearance between the outer rotor and the body with a thickness gauge. If the clearance between rotor and body is greater than **0.0138 in. (0.35 mm)**, the rotor or the body should be replaced, depending on which part is worn. **(Fig. 3-14)**
3. Measuring the tip clearance

   Measure the clearance between the outer rotor and the inner rotor with a thickness gauge and if it is greater than **0.0138 in. (0.35 mm)**, the rotors should be replaced in set. **(Fig. 3-15)**

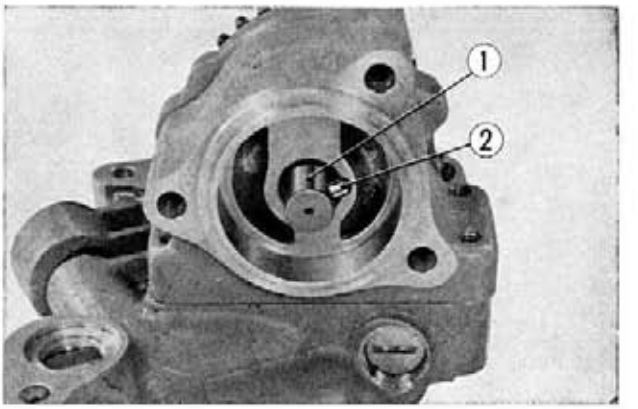

Fig. 3-11 ① Oil pump rotor shaft ② Dowel pin

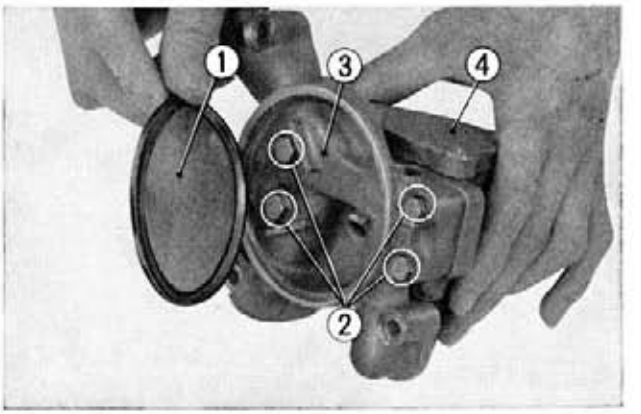

Fig. 3-12 ① Metal oil screen ② 6 mm hex bolts ③ Oil pump base ④ Oil pump body

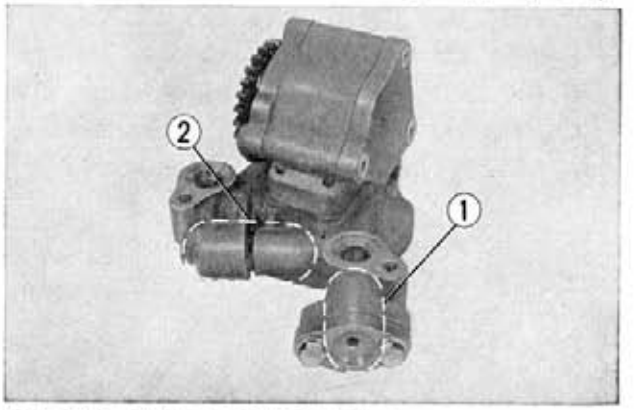

Fig. 3-13 ① Leak stopper valve ② Relief valve

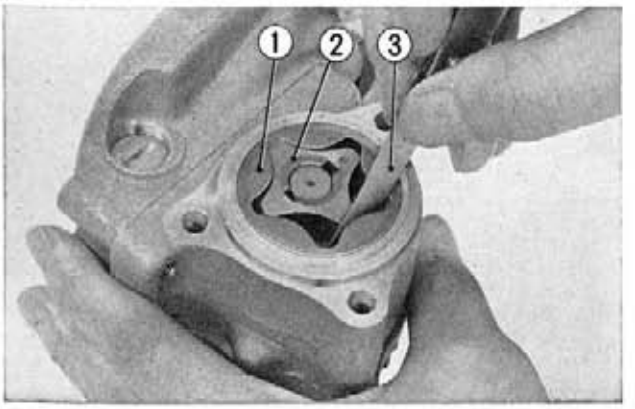

Fig. 3-15 ① Outer rotor ② Inner rotor ③ Thickness gauge

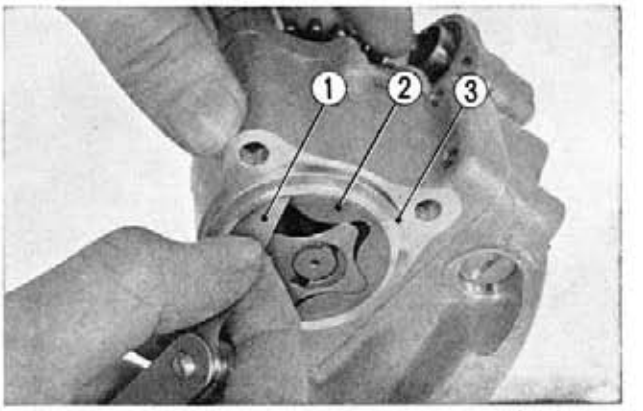

Fig. 3-14 ① Thickness gauge ② Outer rotor ③ Pump body