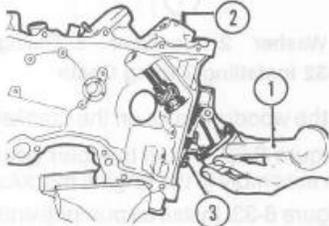


1. Water Pump 2. Nuts And Washers

**Figure 6-34 Installing Water Pump**

**6-5.2 Install Oil Pump And Distributor as follows:**

a. See Figure 6-35. Fit seal and install oil pump (1) on cover stud. Tighten oil pump screws (3) and check that drive shaft turns freely.



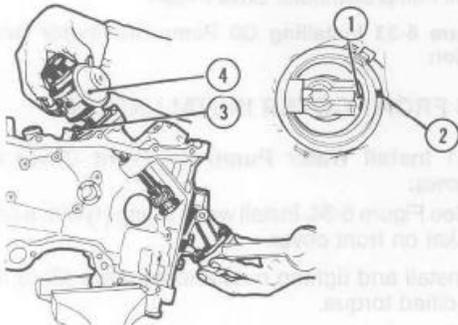
1. Oil Pump 2. Front Cover 3. Screws And Washers

**Figure 6-35 Installing Oil Pump**

b. See Figure 6-36. Position distributor shaft so that rotor (1) points to the reference mark (2) on the side of the distributor body.

c. Insert distributor in cover and make sure slot on pump drive shaft aligns with tooth on distributor drive shaft and rubber ring with plate is over stud in cover.

d. Position rubber ring with plate and start nut (3) on cover stud. Install distributor (4) so that the rotor points to the reference mark on the side of the distributor body. Tighten nut (3).



1. Rotor Arm Center Line 2. Reference Mark 3. Nut 4. Distributor

**Figure 6-36 Installing Distributor**

**6-5.3 Install Front Cover On Block as follows:**

a. Turn crankshaft until piston No. 1 is at top dead center.

b. See Figure 6-37. Position front cover (3) complete with subassemblies for installation on block.

c. Fit metal oil "Slinger" onto crankshaft hole on inside of front cover. Use grease to hold "Slinger" in place. Key way should be approximately aligned with corresponding key on crankshaft.

d. Install seal (1) on cover and gaskets (2) on block.

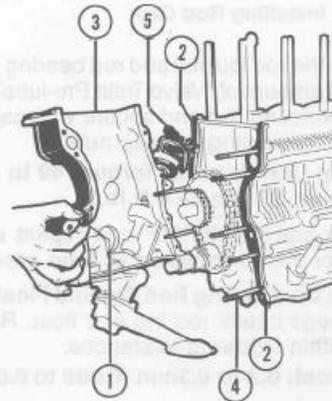
e. Fit front cover (3) over engine block studs (4). Do not push cover fully home.

f. Position distributor (5) with cylinder No. 1 timing mark on distributor body facing toward front of engine.

g. Turn oil pump drive shaft so that when the oil pump/distributor drive pinion is meshed, further rotation will bring the distributor rotor arm to the timing mark on the distributor body.

h. Install front cover (3) fully home on the block. Tighten nuts with washers to following torque.

**Front Cover Nuts Torque: 8.1 to 10Nm (0.8 to 1.0 kgm; 6 to 8 ft. lb.)**



1. Seal 2. Gaskets 3. Front Cover 4. Studs 5. Distributor

**Figure 6-37 Installing Front Cover**

i. Slightly loosen oil pump mounting bolts. Turn crankshaft 2 full turns and tighten oil pump mounting bolts.

**6-5.4 Install New Front Seal.** See Figure 6-38. Lubricate new front seal (1) with engine oil. Install the front seal using special tool A.3.0146.