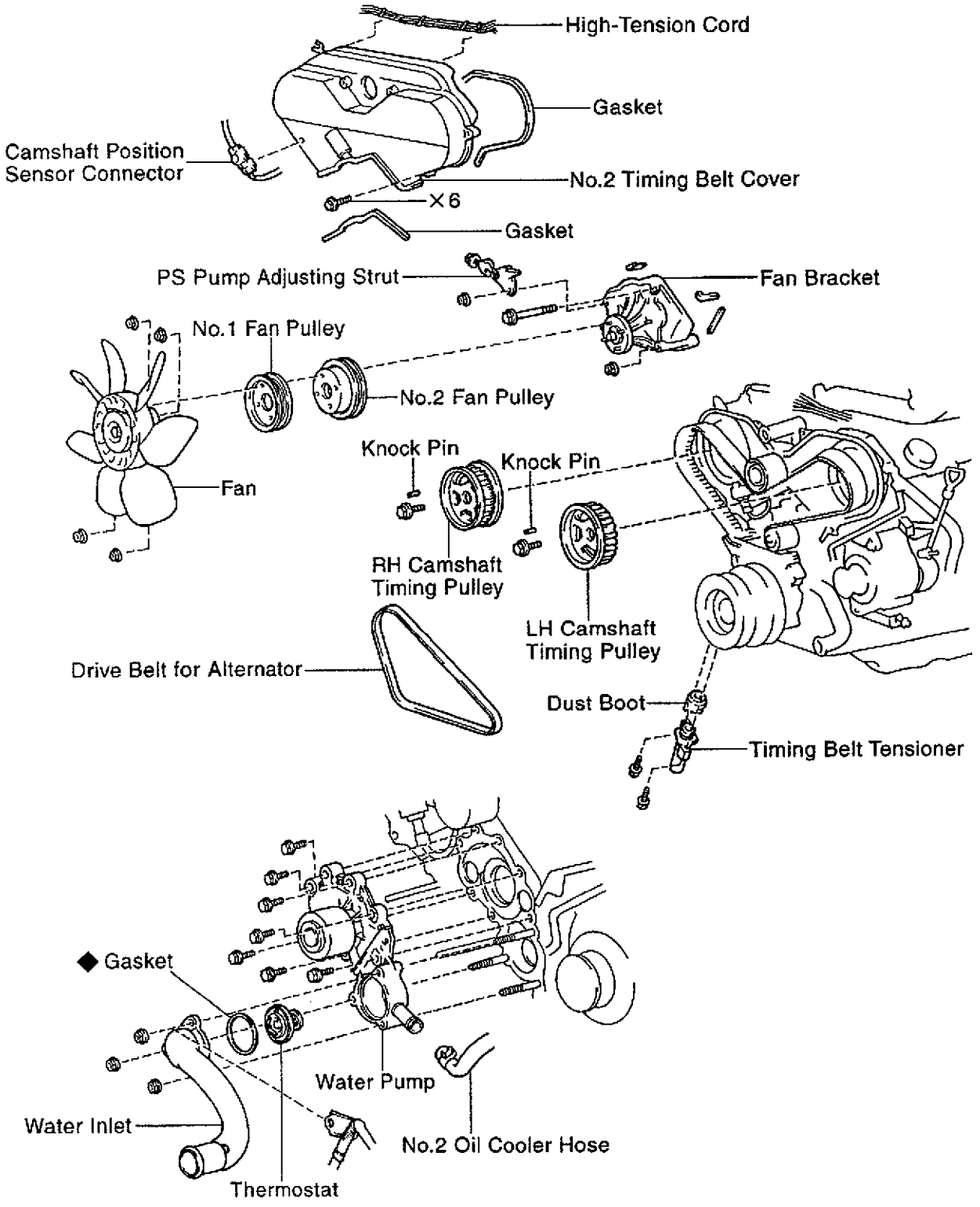
WATER PUMP

COMPONENTS FOR REMOVAL AND INSTALLATION

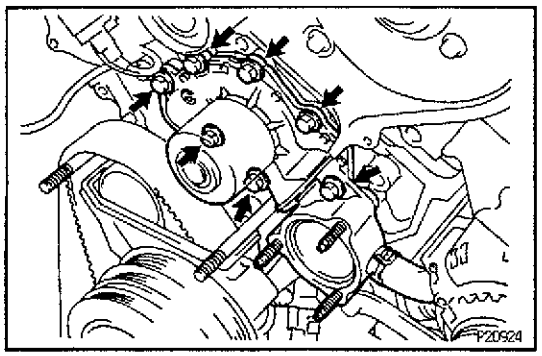
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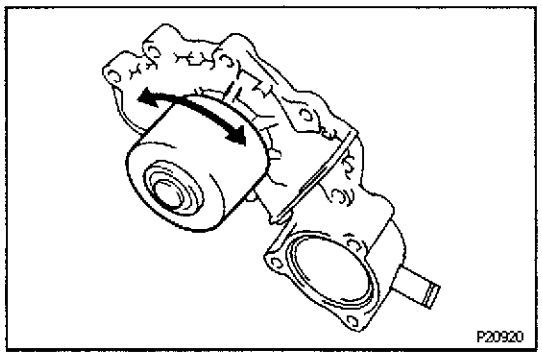
◆ Non-reusable part

305123



WATER PUMP REMOVAL

1. **REMOVE TIMING BELT**
   (See timing belt removal in Engine Mechanical)
2. **REMOVE THERMOSTAT**
3. **DISCONNECT NO.2 OIL COOLER HOSE FROM WATER PUMP**
4. **REMOVE WATER PUMP**
   Remove the 7 bolts and water pump.



WATER PUMP INSPECTION

1. **INSPECT WATER PUMP**

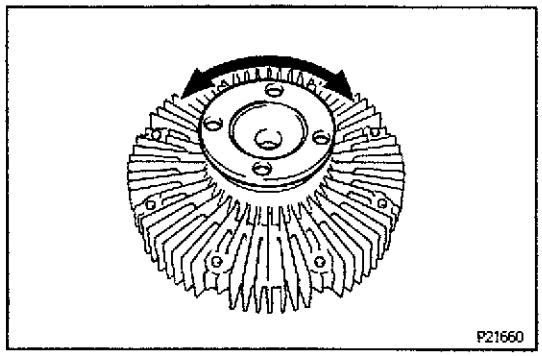
(a) Visually check the air hole and water hole for coolant leakage.
If leakage is found, replace the water pump.
If engine coolant has leaked onto the timing belt, replace the timing belt.

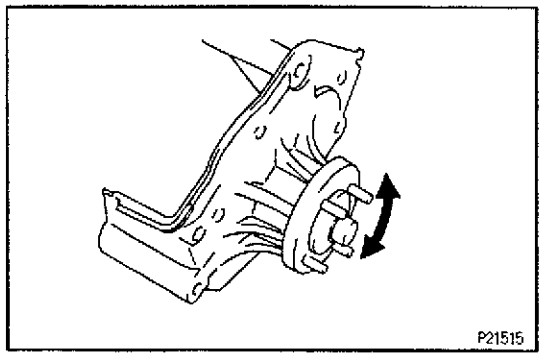
(b) Turn the pulley, and check that the water pump bearing moves smoothly and quietly.
If necessary, replace the water pump.

2. **INSPECT FLUID COUPLING**

(a) Remove the 4 nuts and fan from the fluid coupling.

(b) Check that the fluid coupling is not damaged and that no silicon oil leaks.
If necessary, replace the fluid coupling.





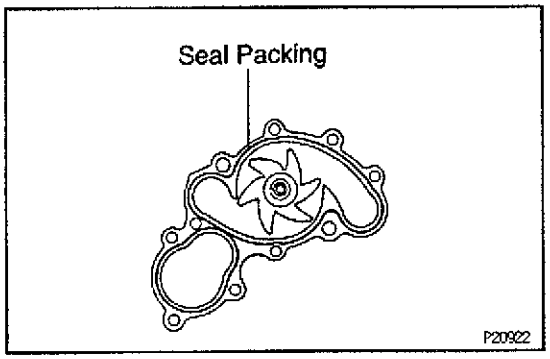
3. **INSPECT FAN PULLEY BRACKET**

(a) Check the turning smoothness of the fan pulley.
If necessary, replace the pulley bracket.

(b) Reinstall the fan to the fluid coupling with the 4 nuts.
Torque: 5.4 N·m (75 kgf-cm, 48 in.-lbf)

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WATER PUMP INSTALLATION



1. INSTALL WATER PUMP

(a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the water pump and cylinder block.
- Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing groove.
- Thoroughly clean all components to remove all the loose material.
- Using a non—residue solvent, clean both sealing surfaces.

(b) Apply seal packing to the water pump groove.

Seal packing:

Part No. 08826—00100 or equivalent
- Install a nozzle that has been cut to a 2 — 3 mm (0.08 — 0.12 in.) opening.

HINT: Avoid applying an excessive amount to the surface.
- Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.
- Immediately remove nozzle from the tube and reinstall cap.

(c) Install the water pump with the 7 bolts.

Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)

2. CONNECT NO.2 OIL COOLER HOSE

3. INSTALL THERMOSTAT

4. INSTALL TIMING BELT

(See timing belt installation in Engine Mechanical)