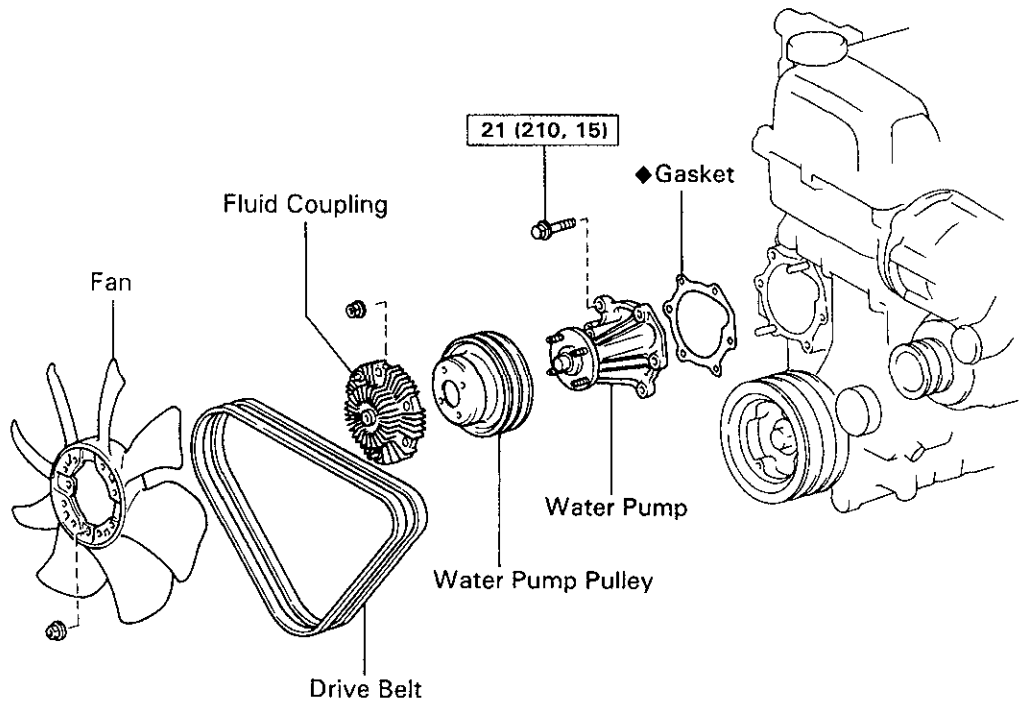
WATER PUMP

EG06X–06

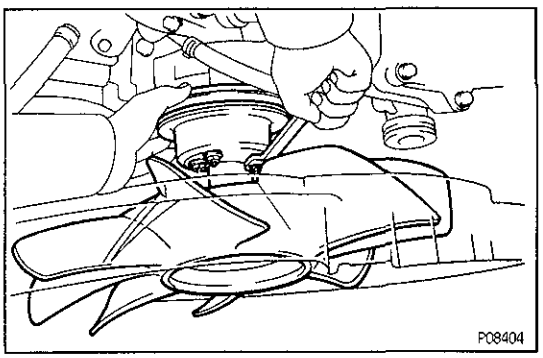
COMPONENTS FOR REMOVAL AND INSTALLATION

EG

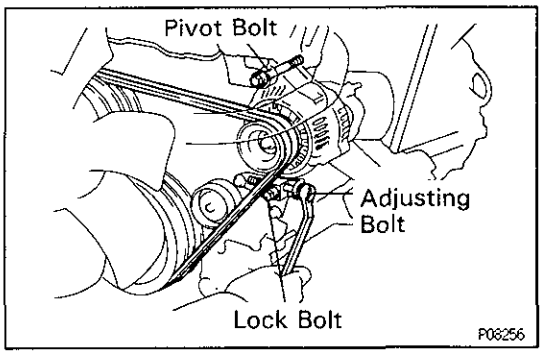


N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non-reusable part

P10448



P08404



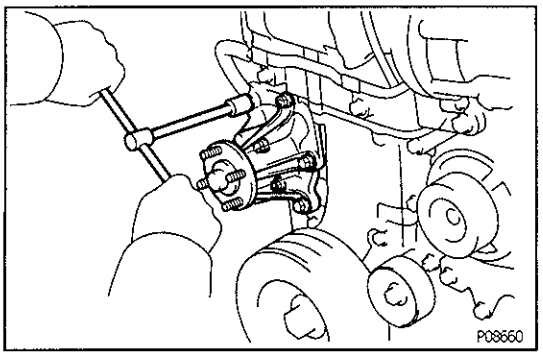
P08256

EG287–01

WATER PUMP REMOVAL

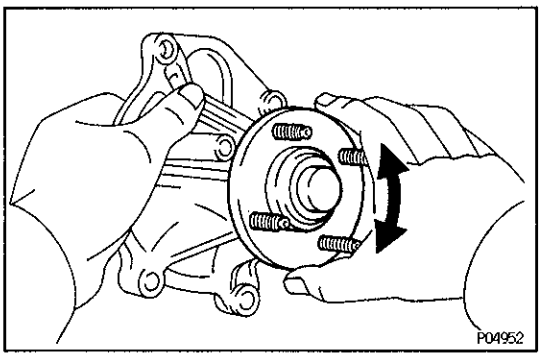
1. **DRAIN ENGINE COOLANT**
2. **DISCONNECT NO.3 WATER BY–PASS HOSE**
3. **DISCONNECT RADIATOR INLET HOSE**
4. **REMOVE DRIVE BELTS, FAN WITH FLUID COUPLING, WATER PUMP PULLEY AND FAN SHROUD**

(a) Stretch the belts and loosen the water pump pulley mounting nuts.
(b) Loosen the lock, pivot and adjusting bolts of the generator, and remove the drive belts.
(c) Remove the two bolts holding the fan shroud to the radiator.
(d) Remove the four water pump pulley mounting nuts.
(e) Pull out the fan with fluid coupling, water pump pulley and fan shroud.
(f) Remove the fan from the fluid coupling.



5. REMOVE WATER PUMP

Remove the four bolts, two nuts, water pump and gasket.

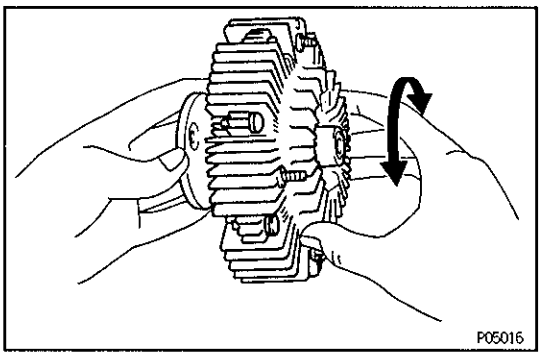


WATER PUMP COMPONENTS INSPECTION EGONG-01

1. INSPECT WATER PUMP

Turn the pulley seat and check that the water pump bearing is not rough or noisy.

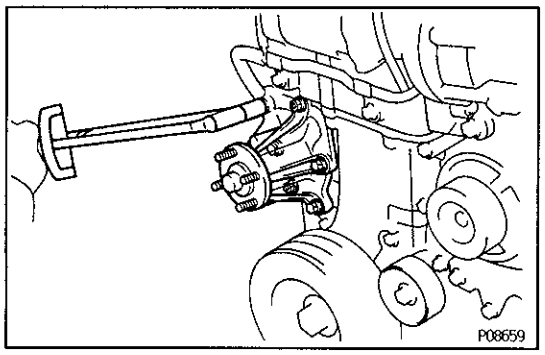
If necessary, replace the water pump.



2. INSPECT FLUID COUPLING

Check the fluid coupling for damage and silicon oil leakage.

If necessary, replace the fluid coupling.



WATER PUMP INSTALLATION EG2B8-01

(See Components for Removal and Installation)

1. INSTALL WATER PUMP

Install a new gasket and water pump with the four bolts and two nuts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

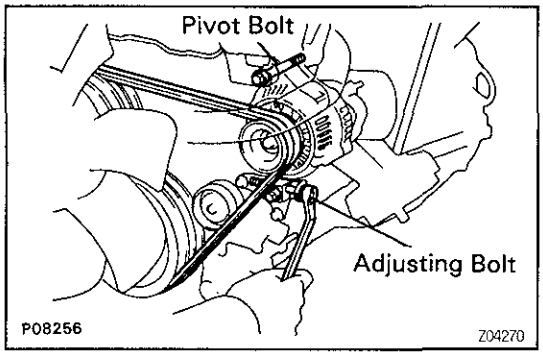
2. INSTALL WATER PUMP PULLEY, FAN SHROUD, FAN WITH FLUID COUPLING AND DRIVE BELTS

(a) Install fan to the fluid coupling.

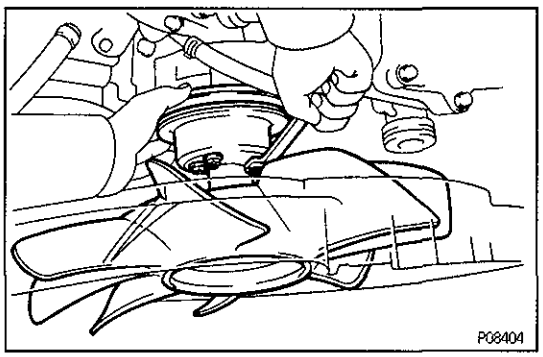
(b) Place the fan with fluid coupling, water pump pulley and fan shroud in position.

(c) Temporarily install the fan pulley mounting nuts.

(d) Install the fan shroud with the two bolts.



(e) Install the drive belts with the adjusting bolt and pivot bolt.



(f) Stretch the belts tight and tighten the four water pump pulley mounting nuts.
(g) Adjust the drive belts.
(See CH section)

3. CONNECT NO.3 WATER BY–PASS HOSE
4. CONNECT RADIATOR INLET HOSE
5. FILL WITH ENGINE COOLANT
6. START ENGINE AND CHECK FOR LEAKS