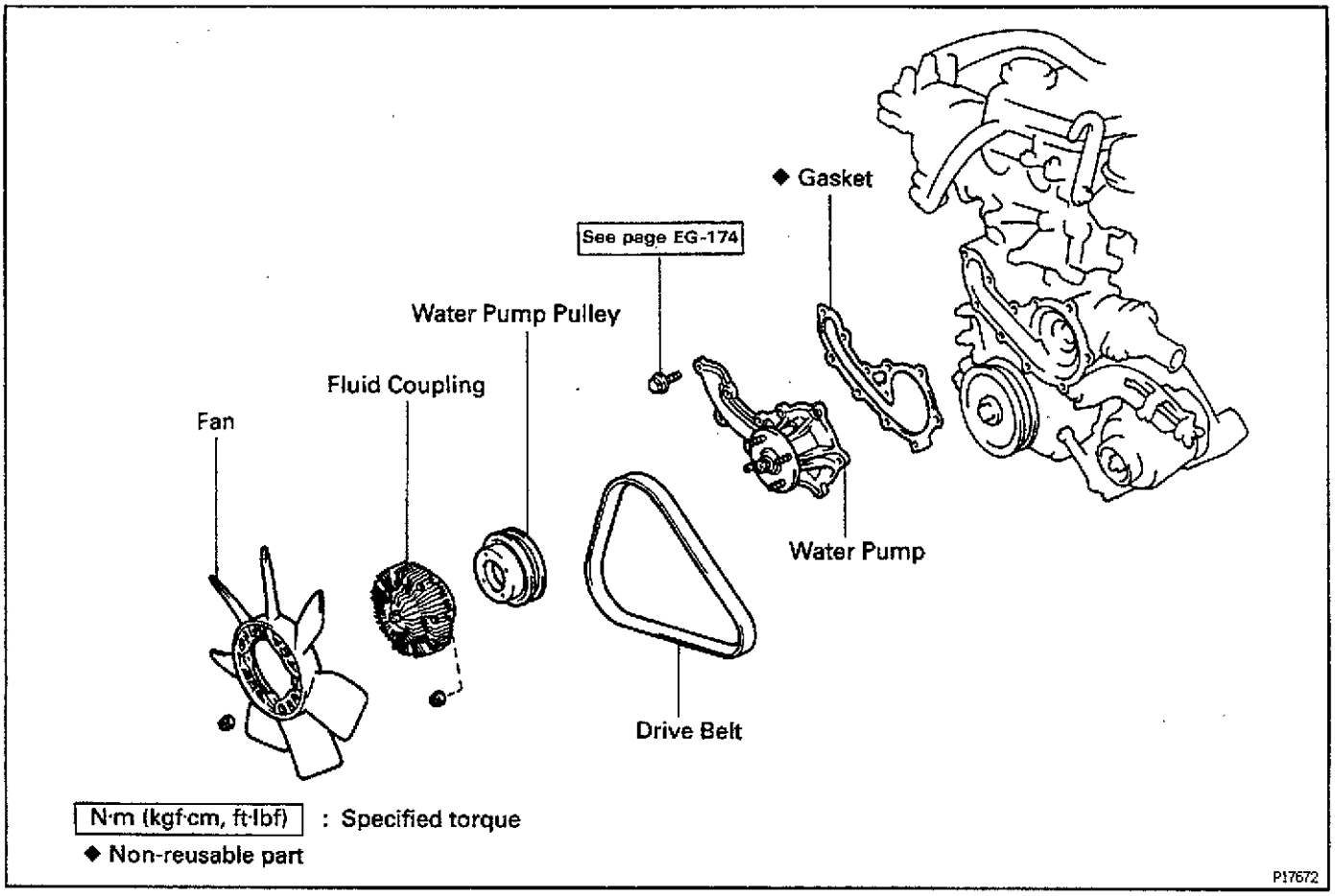
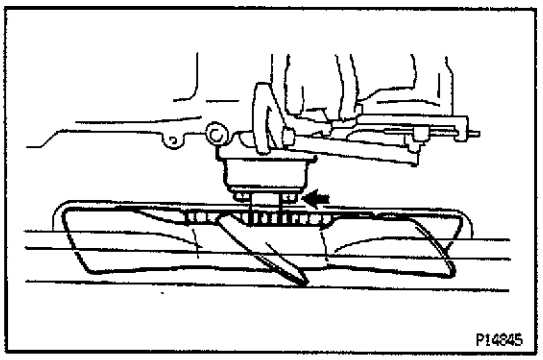
WATER PUMP

COMPONENTS FOR REMOVAL AND INSTALLATION

E0006X-00



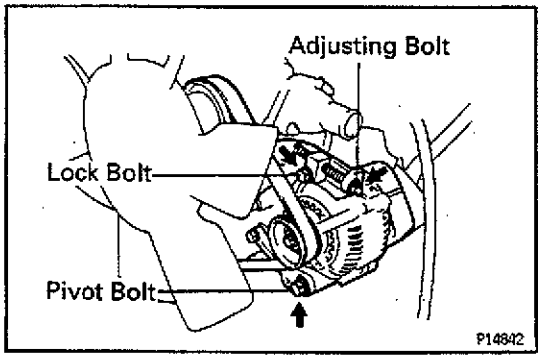


WATER PUMP REMOVAL

E0423-01

1. **DRAIN ENGINE COOLANT**
2. **REMOVE DRIVE BELT, FAN WITH FLUID COUPLING AND WATER PUMP PULLEY**

(a) Stretch the belt and loosen the water pump pulley mounting nuts.

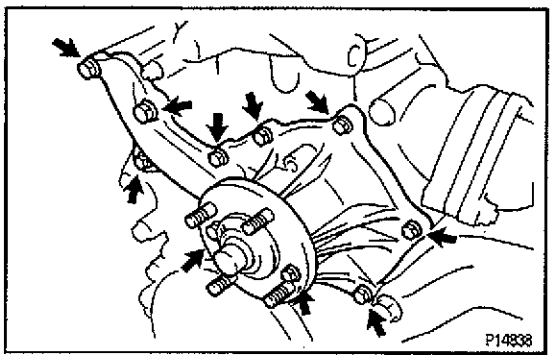


(b) Loosen the lock, pivot and adjusting bolts of the alternator, and remove the drive belt.

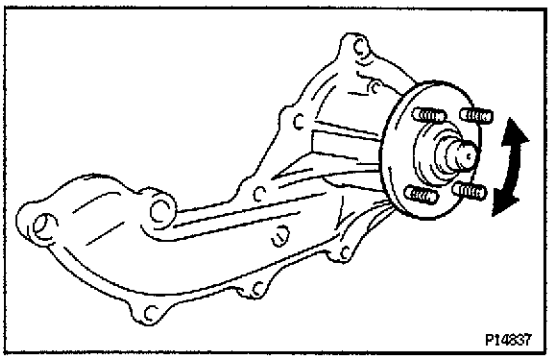
(c) Remove the 4 nuts, fan with fluid coupling and water pump pulley.

(d) Remove the fan from the fluid coupling.

EG

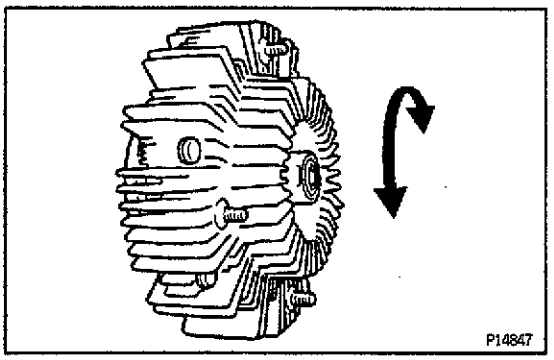


3. REMOVE WATER PUMP
Remove the 10 bolts, water pump and gasket.

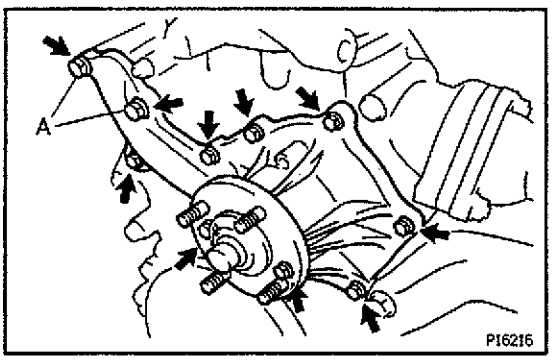


WATER PUMP COMPONENTS INSPECTION

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.



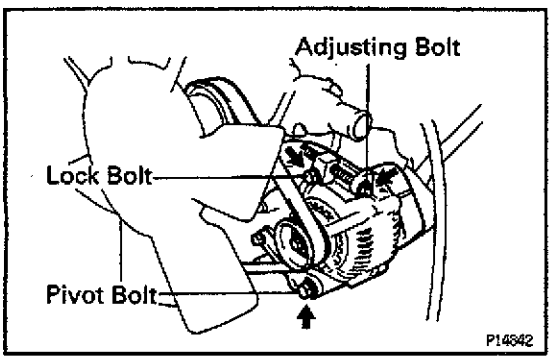
WATER PUMP INSTALLATION

(See Components for Removal and Installation)

1. INSTALL WATER PUMP
Install a new gasket and water pump with the 10 bolts.

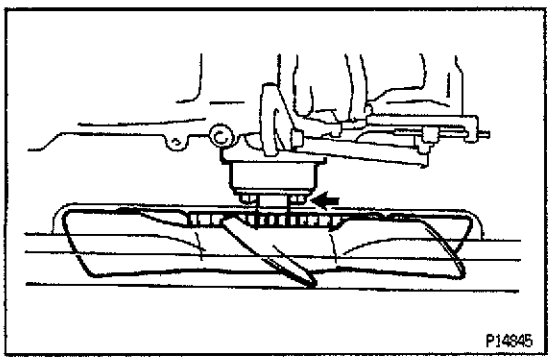
Torque:

Bolt A: 24.5 N·m (250 kgf·cm, 18 ft·lbf)
Except Bolt A: 8.9 N·m (90 kgf·cm, 78 in.·lbf)



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

(a) Install fan to the fluid coupling.
(b) Place the fan with fluid coupling and water pump pulley.
(c) Temporarily install the water pump pulley mounting nuts.
(d) Install the drive belt, and temporarily tighten the adjusting bolt and pivot bolt.



(e) Stretch the belt tight and tighten the 4 water pump pulley mounting nuts.
(f) Adjust the drive belt.
(See CH section)

EG

3. FILL WITH ENGINE COOLANT
4. START ENGINE AND CHECK FOR LEAKS