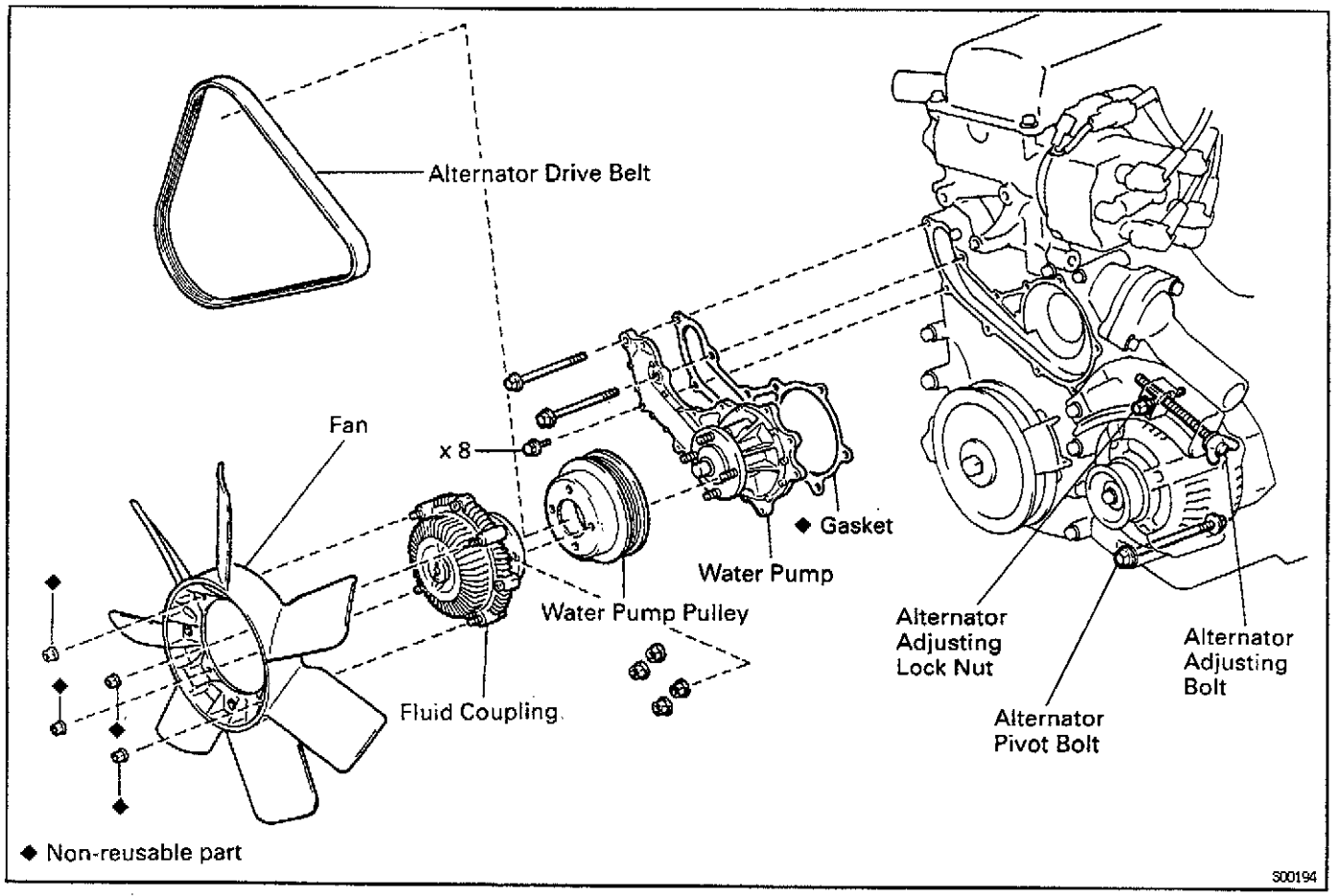
WATER PUMP

COMPONENTS FOR REMOVAL AND INSTALLATION

EG61E-03

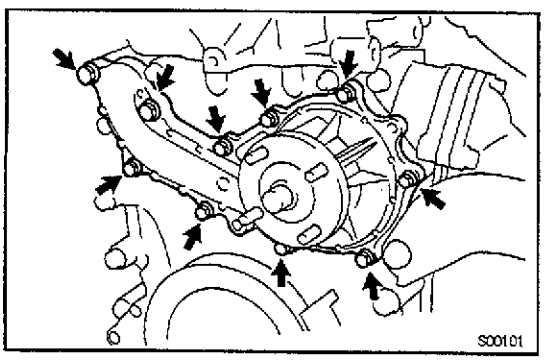


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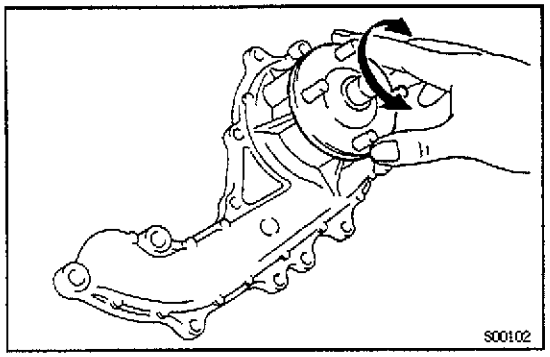
WATER PUMP REMOVAL

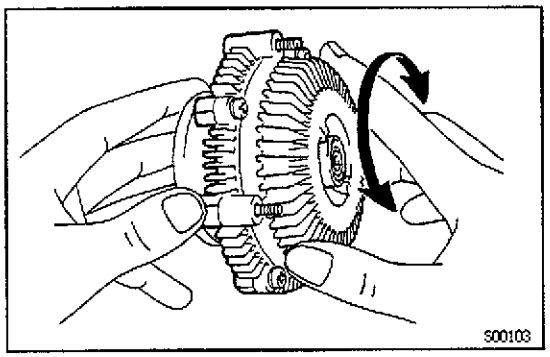
EG6RW-01

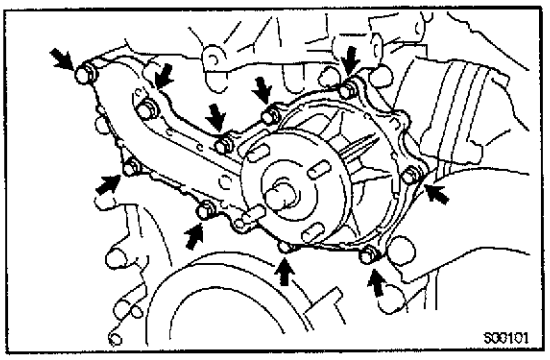
1. **DRAIN ENGINE COOLANT**
2. **REMOVE ALTERNATOR DRIVE BELT, FAN, FLUID COUPLING AND WATER PUMP PULLEY**
   (a) Loosen the 4 water pump pulley nuts.
   (b) Loosen the alternator pivot bolt and adjusting bolt, and remove the drive belt.
   (c) Remove the 4 nuts, the fan, fluid coupling assembly and pulley.
   (d) Remove the 4 nuts and fan from the fluid coupling.
3. **REMOVE WATER PUMP**
   Remove the 10 bolts, water pump and gasket.



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EG355-04

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.

(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

Check the fluid coupling for damage and silicon oil leakage.
If necessary, replace the fluid coupling.

EG4RX-01

WATER PUMP INSTALLATION

1. INSTALL WATER PUMP

Install a new gasket and the water pump with the 10 bolts.

Torque:

10 mm head
9 N·m (90 kgf·cm, 80 in.·lbf)

12 mm head
20 N·m (200 kgf·cm, 15 ft·lbf)

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

(a) Install the fan to the fluid coupling with 4 new nuts.
Torque: 5.5 N·m (55 kgf·cm, 49 in.·lbf)

(b) Temporarily install the pump pulley, the fan and fluid coupling assembly with the 4 nuts.

(c) Temporarily install the drive belt with the alternator adjusting bolt and lock bolt.

(d) Tighten the 4 water pump pulley nuts.
Torque: 20.5 N·m (210 kgf·cm, 15 ft·lbf)

(e) Adjust the drive belt deflection.
Drive belt deflection:
See step 3 in on-vehicle inspection in Charging System

(f) Tighten the adjusting lock bolt and pivot bolt.
Torque:
Adjusting lock bolt
19 N·m (195 kgf·cm, 14 ft·lbf)