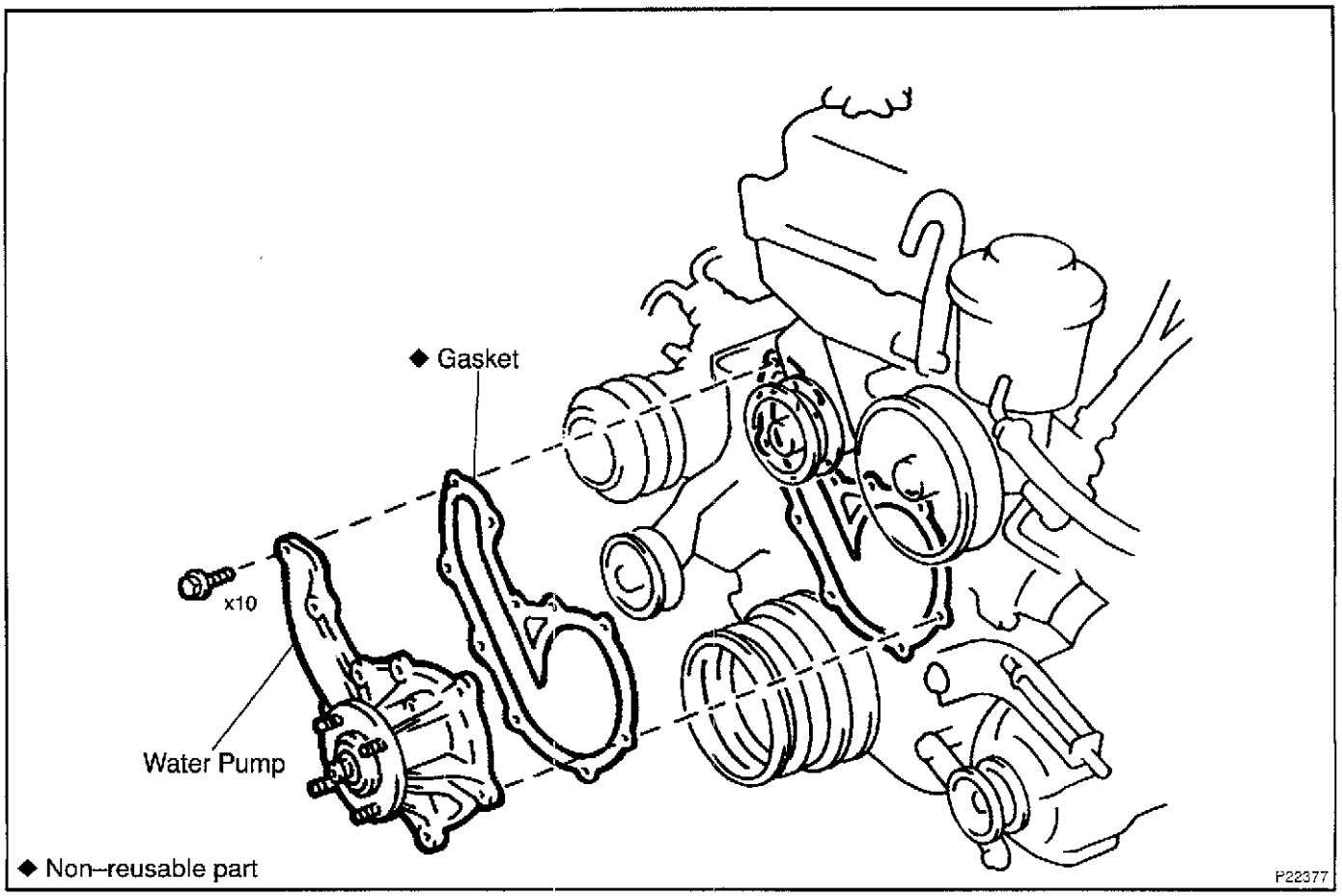
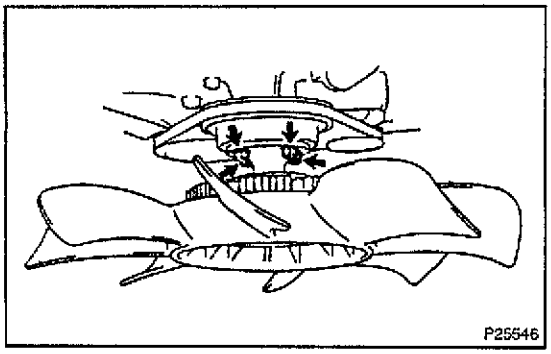
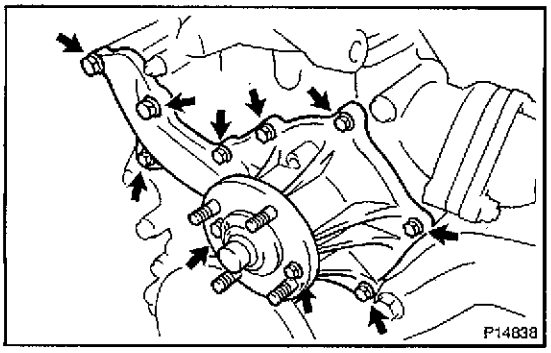
WATER PUMP

COMPONENTS

CO08Y-01







CO096Z-01

REMOVAL

1. DRAIN ENGINE COOLANT

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

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

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

(c) Remove the 4 nuts fan with fluid coupling and pulley.
Torque: 21 N·m (210 kgf·cm, 16 ft·lbf)

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

3. REMOVE WATER PUMP

Remove the 10 bolts, water pump and gasket.

Torque:
14 mm head bolt : 24.5 N·m (250 kgf·cm, 18 ft·lbf)
12 mm head bolt : 8.9 N·m (90 kgf·cm, 78 in.·lbf)

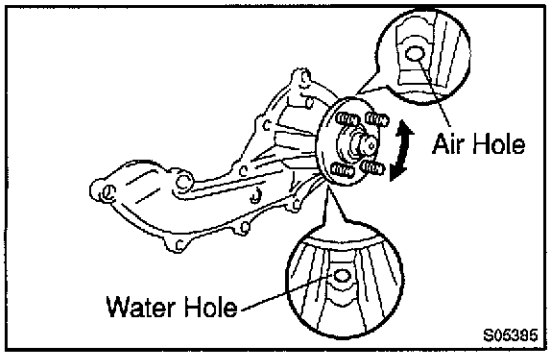
HINT:

At the time of assembly, please refer to the following items.

Install the water pump with the new gasket.

CO

CO070-01



INSPECTION

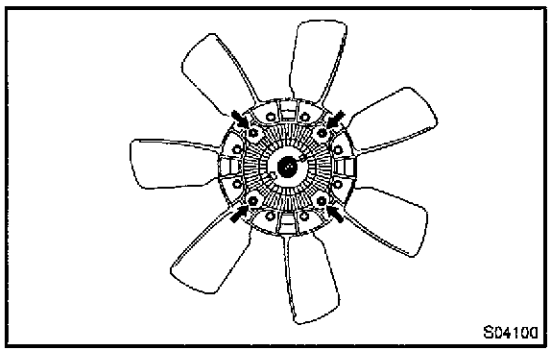
1. INSPECT WATER PUMP

(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

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

(b) Check the fluid coupling for damage and silicon oil leakage.

If necessary, replace the fluid coupling.

(c) Install the fan and fluid coupling with the 4 nuts.

Torque: 5.5 N·m (55 kgf·cm, 49 in.·lbf)

CO071–01

INSTALLATION

Installation is in the reverse order of removal.
(See page CO–4)