160BW–03

REPLACEMENT

1. DRAIN ENGINE COOLANT

2. DISCONNECT RADIATOR HOSE INLET

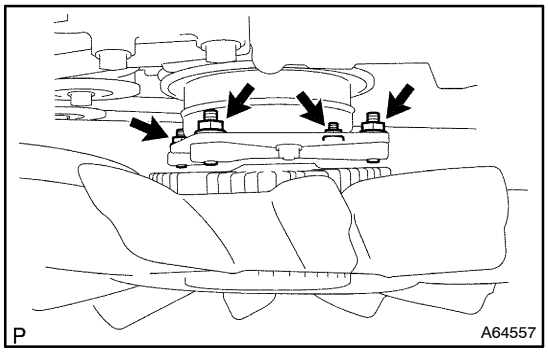
3. DISCONNECT RADIATOR HOSE OUTLET

4. REMOVE V–RIBBED BELT

(a) Stretch the belt tight, and loosen the 4 pump pulley set nuts.

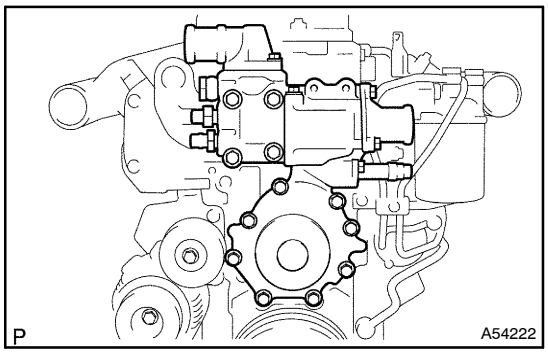
(b) Remove the drive belt.

(c) Remove the 4 nuts, pump pulley and fan spacer.



5. REMOVE FLUID COUPLING ASSY

(a) Remove the 4 nuts holding the fan with coupling.

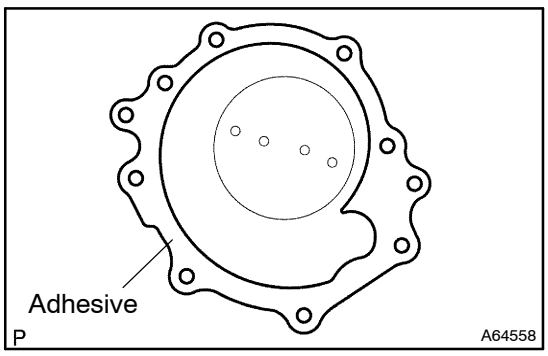


6. REMOVE WATER OUTLET HOUSING

(a) Remove the 6 bolts and water outlet housing.

7. REMOVE WATER PUMP ASSY

(a) Remove the 8 bolts and water pump.

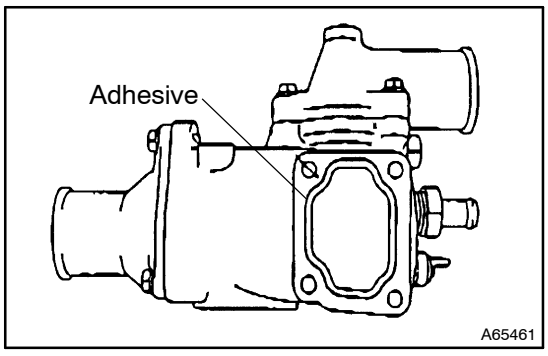


8. INSTALL WATER PUMP ASSY

(a) Apply seal packing to the illustrated position, and then adjust the knock pin of the cylinder block to install the water pump.

Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

NOTICE:
Clean the installation surface.

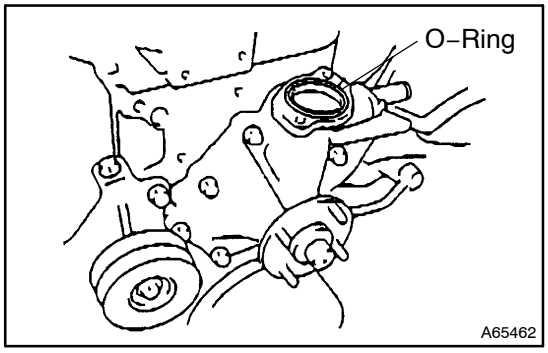


9. INSTALL WATER OUTLET HOUSING

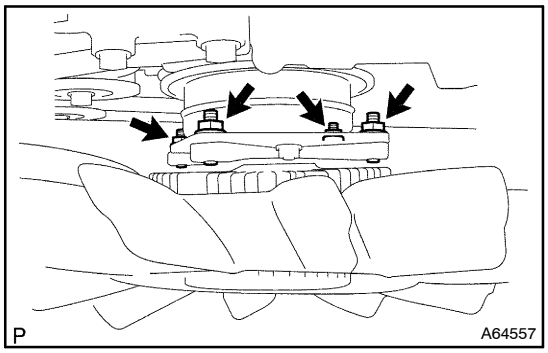
(a) Apply seal packing to the illustrated position.

Adhesive:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

NOTICE:
Clean the installation surface.



(b) Connect the water hoses Install a new O–ring into the groove on the upper surface of the water pump.
(c) Install the water outlet housing temporarily with the 6 bolts.
(d) Tighten the 4 bolts completely placed on the cylinder head side.
Torque: 28.5 N·m (290 kgf·cm, 21 ft·lbf)
(e) Tighten the 2 bolts completely placed on the water pump side.
Torque: 55 N·m (560 kgf·cm, 40 ft·lbf)
(f) Connect the 2 water hoses.



10. INSTALL FLUID COUPLING ASSY
(a) Install the fan pulley and fan spacer temporarily with the 4 nuts.
(b) Install the V belt.
(c) Holding the V belt, tighten the 4 nuts completely to install the fan pulley and fan spacer properly.
Torque: 28.5 N·m (290 kgf·cm, 21 ft·lbf)
(d) Install the fan clutch with the 4 nuts.
Torque: 28.5 N·m (290 kgf·cm, 21 ft·lbf)
(e) Install the fan with the 4 nuts.
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)

11. INSTALL V–RIBBED BELT
(a) Temporarily install the pump pull with the 4 nuts.
(b) Install the drive belt.
(c) Stretch the belt tight and torque the 4 nuts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)
12. INSTALL RADIATOR HOSE OUTLET
13. INSTALL RADIATOR HOSE INLET
14. REFILL ENGINE COOLANT
15. CHECK FOR ENGINE COOLANT LEAKS