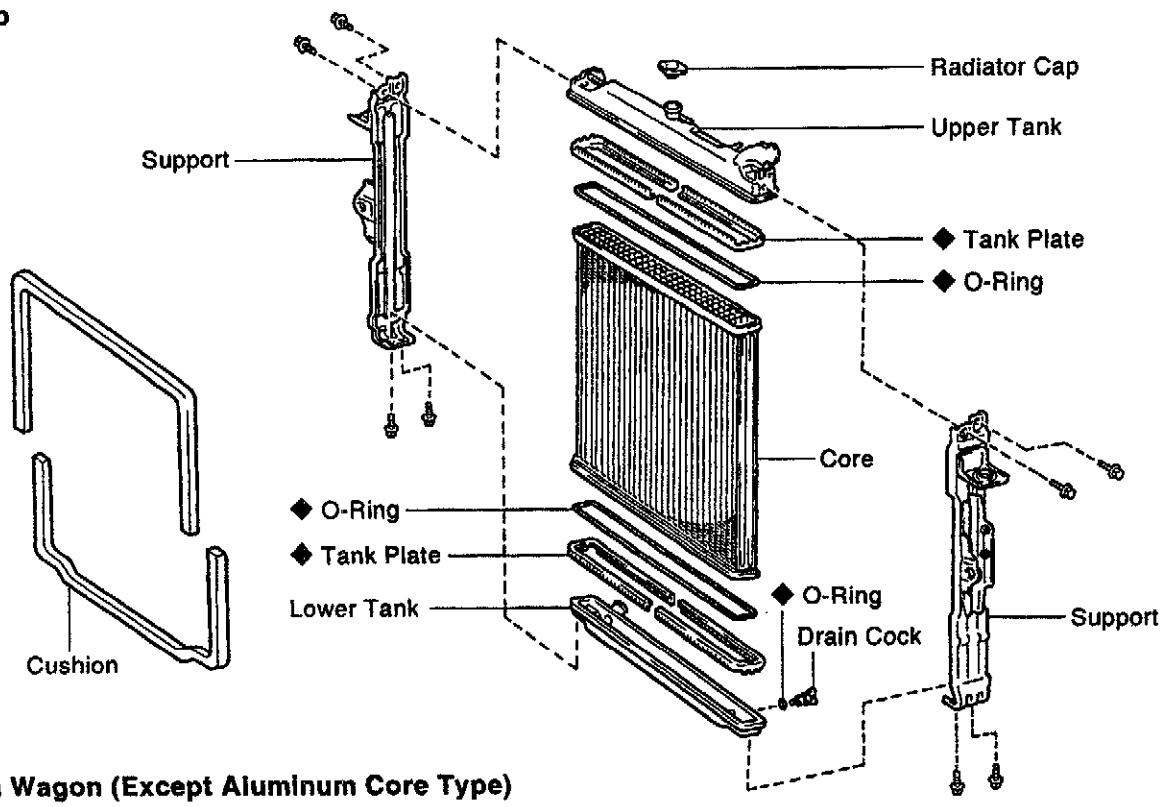
RADIATOR

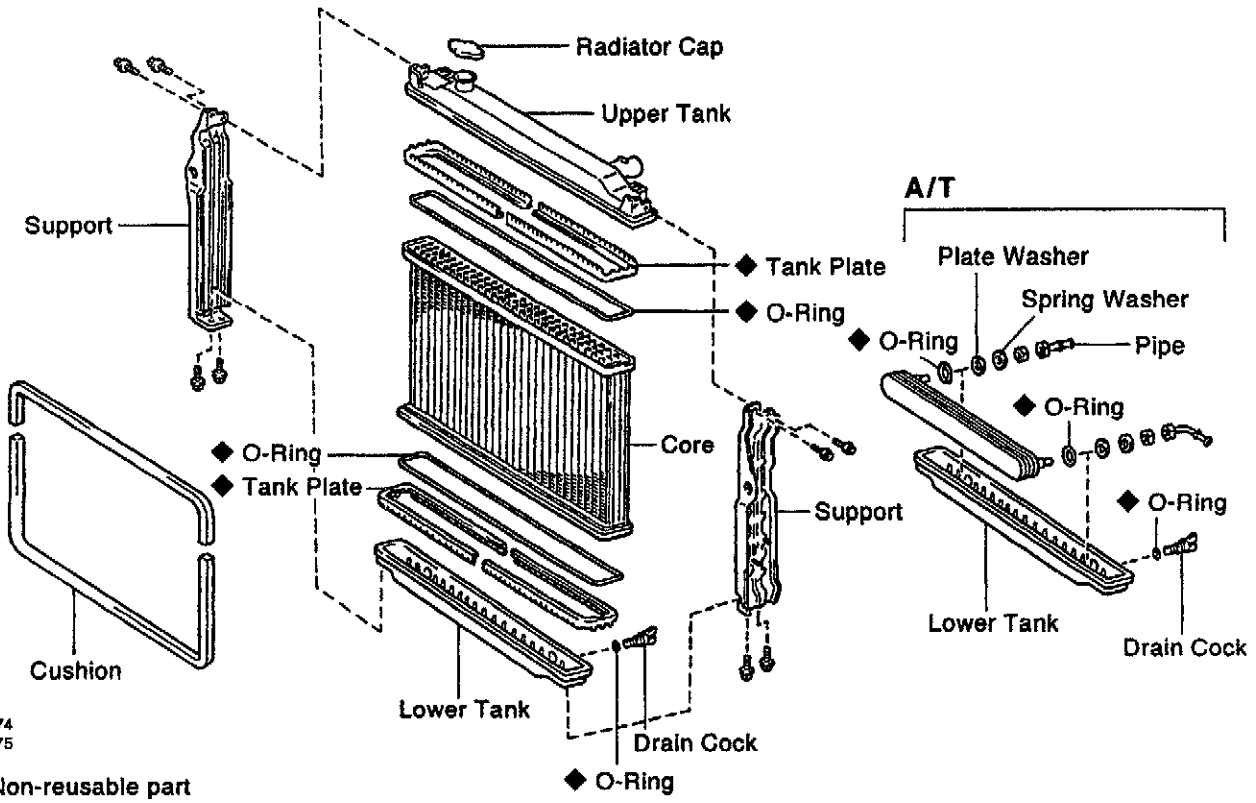
COMPONENTS FOR DISASSEMBLY AND ASSEMBLY

EG1J8-0A

Hardtop



Station Wagon (Except Aluminum Core Type)



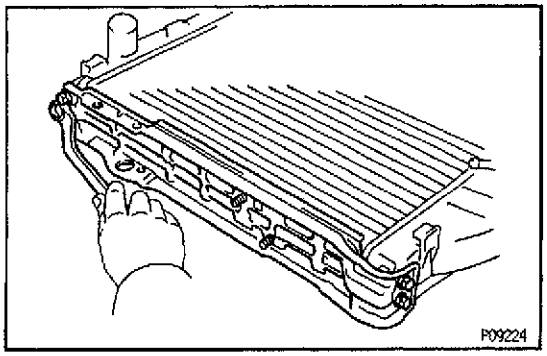
P23174
P23175

◆ Non-reusable part

Z15497

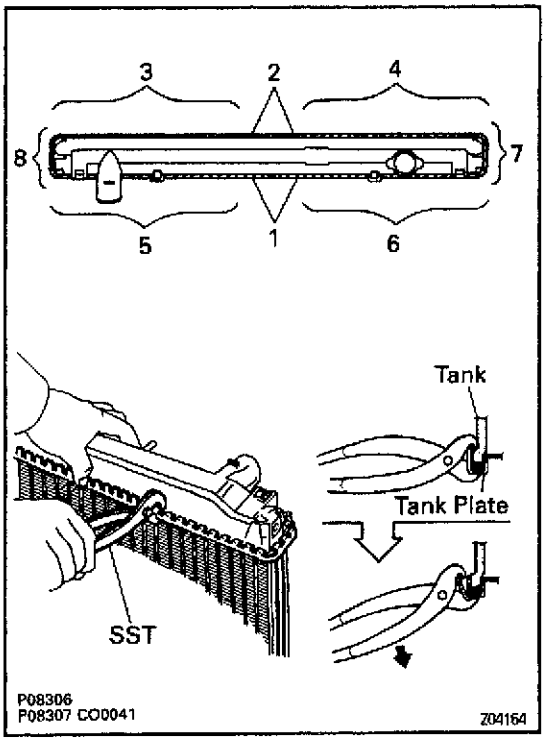
EG1J9-03

RADIATOR DISASSEMBLY



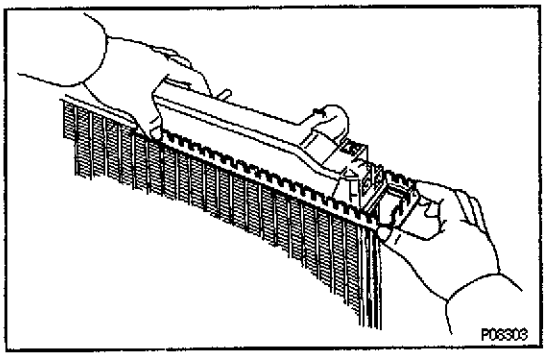
1. REMOVE SUPPORTS

Remove the 8 bolts and 2 supports.

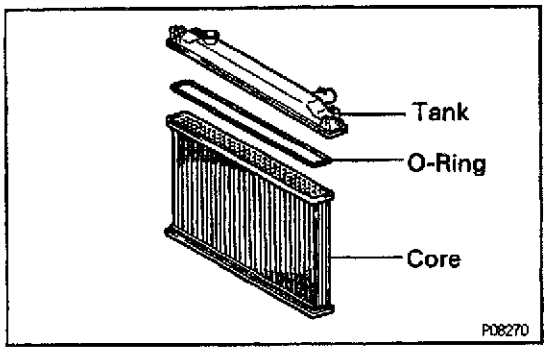


2. REMOVE TANK PLATE

(a) Raise the claws of the tank plates with SST in the numerical order shown in the illustration.
SST 09230–00010
NOTICE: Be careful not to damage the core plate.

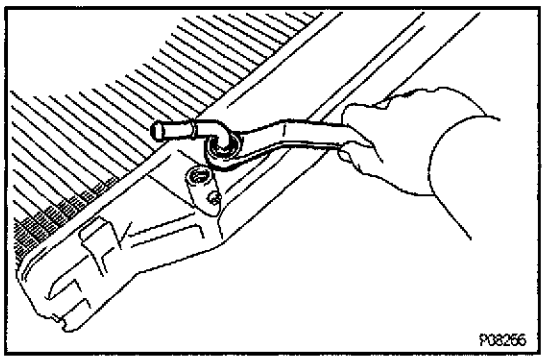


(b) Pull the tank plates outward.



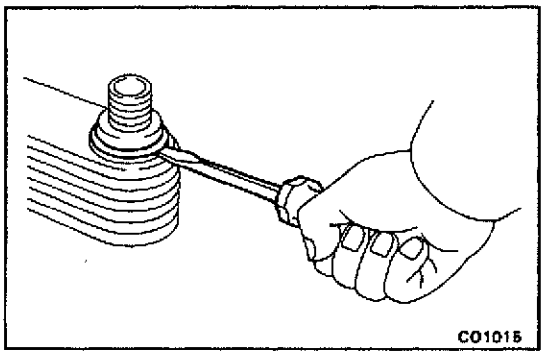
3. REMOVE TANK

(a) Pull the tank upward.
(b) Remove the O–ring.

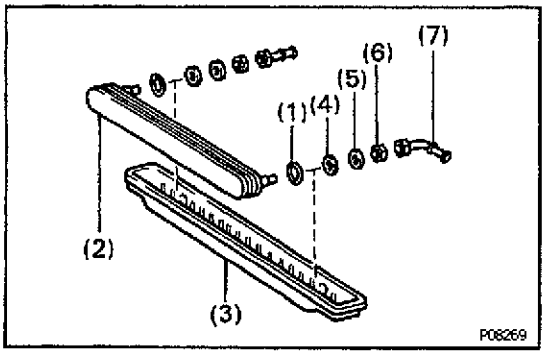


4. A/T:
REMOVE OIL COOLER FROM LOWER TANK

(a) Remove the pipes.
HINT: Make a note of the direction the pipes face.



(b) Remove the nuts, spring washers, plate washers and oil cooler.
(c) Remove the O–ring from the oil cooler.

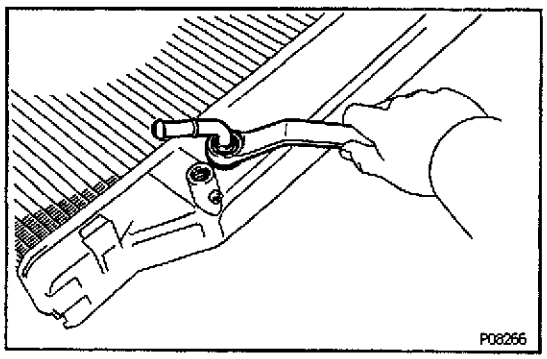


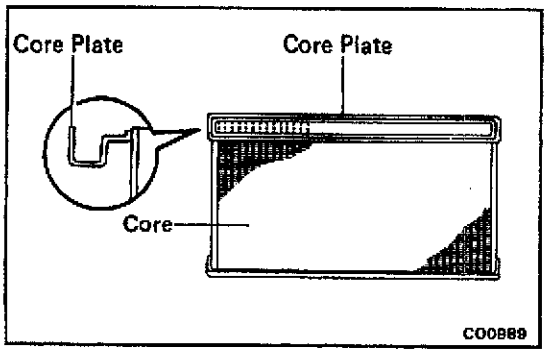
RADIATOR ASSEMBLY

EG5R8–01

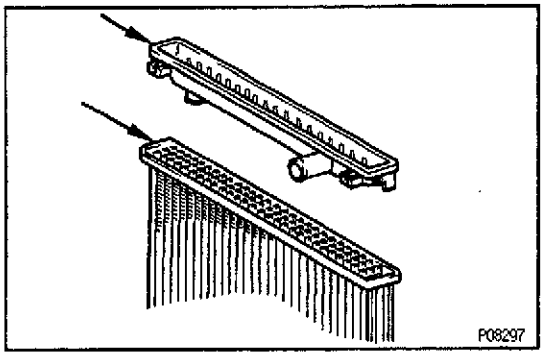
1. A/T:
INSTALL OIL COOLER TO LOWER TANK

(a) Clean the O–ring contact surface of the lower tank and oil cooler.
(b) Install new O–rings (1) to the oil cooler (2).
(c) Install the oil cooler (2) to the lower tank (3).
(d) Install the plate washers (4), spring washers (5) and nuts (6). Torque the nuts.
Torque: 10 N·m (100 kgf-cm, 7 ft-lbf)
(e) Install the pipes (7).
Torque: 15 N·m (150 kgf-cm, 11 ft-lbf)
HINT: Face the pipes in the same direction as they were before disassembly.





2. **CHECK CORE PLATE FOR DAMAGE**
HINT:
- If the sides of the core plate groove are deformed, reassembly of the tank will be impossible. Therefore, first correct any deformation with pliers.
- Water leakage will result if the bottom of the core plate groove is damaged or dented. Therefore, repair or replace if necessary.

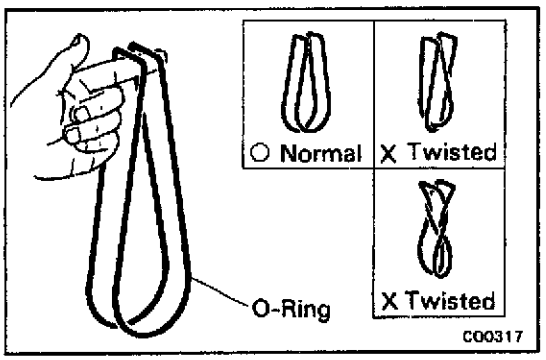


3. INSTALL TANK

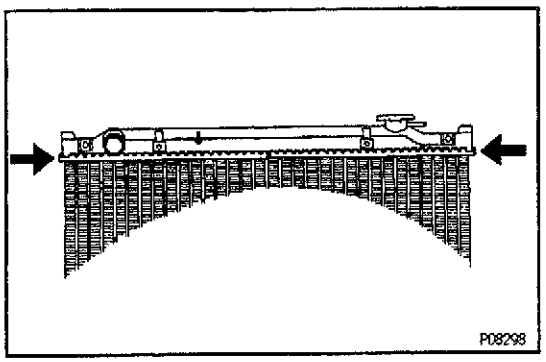
Install a new O–ring and the tank.

HINT:

- Clean the tank and core plate.

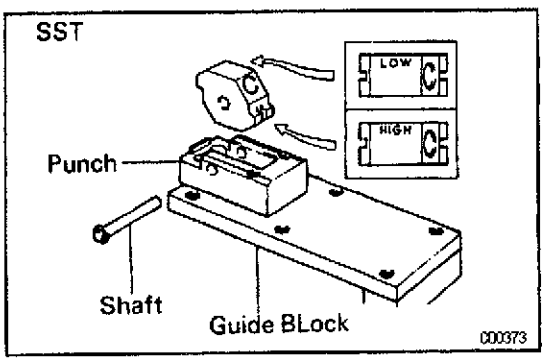


- Take out any twists.



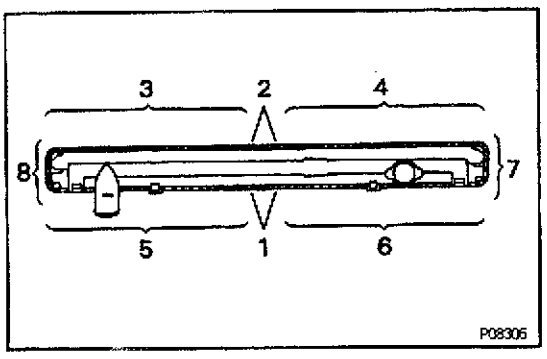
4. INSTALL TANK PLATE

Insert new tank plates from both ends in the direction of the arrows. Firmly set the tank plates in the core plate.

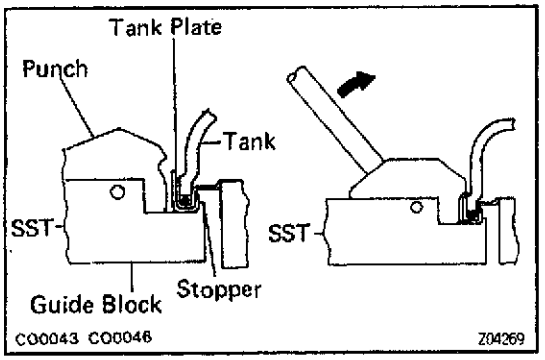


5. STAKE CLAWS OF TANK PLATES

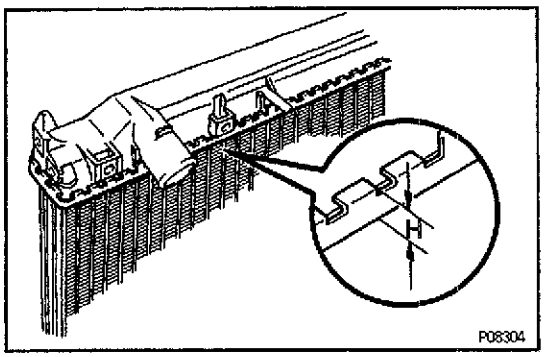
(a) Set the punch of SST to "LOW".
SST 09230–00010



(b) Stake the claws of the tank plates with SST in the numerical order shown in the illustration.



NOTICE: If the bottom of the core plate is staked with the SST on the guide block stopper, it may result in water leakage.

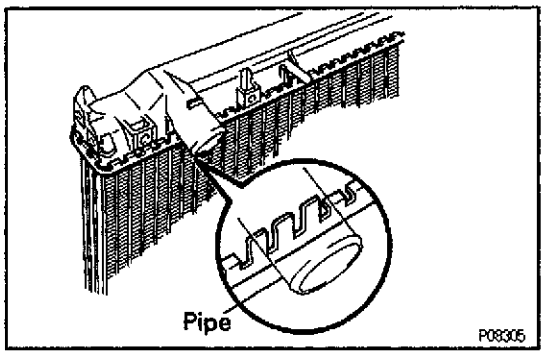


HINT:

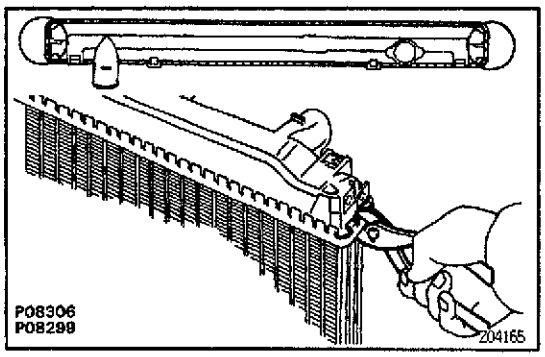
- Stake with just enough pressure to leave a mark on the claw. The staked plate height (H) should be as follows:

Plate height (H):

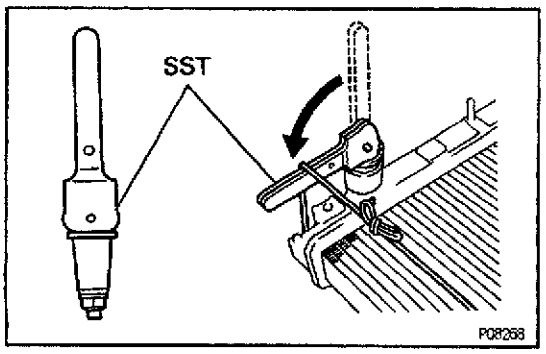
9.2 – 9.6 mm (0.362 – 0.378 in.)



- Do not stake the areas protruding around the pipes.



- The points shown in the illustration cannot be staked with the SST. Use pliers and be careful not to damage the core plates.



6. CHECK FOR WATER LEAKS

(a) Tighten the drain plug.

(b) Plug the inlet and outlet pipes of the radiator with SST.

SST 09230–00010, 09230–01010 (09231–00060)

(c) Using a radiator cap tester, apply pressure to the radiator.

Test pressure:

147 kPa (1.5 kgf/cm², 21 psi)