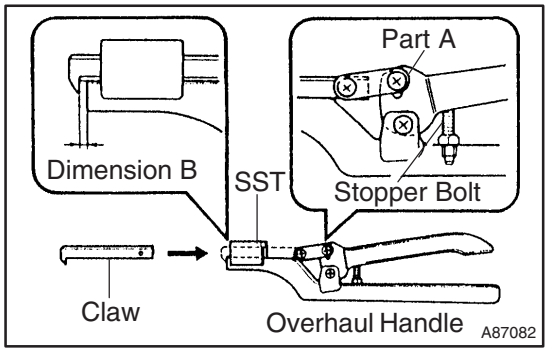
# OVERHAUL

**1. REMOVE RADIATOR CAP SUB–ASSY**

**2. REMOVE DRAIN PLUG**

(a) Remove the drain plug.

(b) Remove the O–ring.




1610N–01

**3. ASSEMBLE SST**

SST 09230–01010

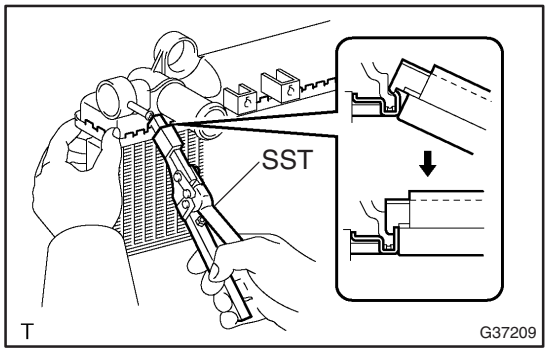
(a) Install the claw to the overhaul handle, inserting it into the hole at part A as shown in the illustration.

(b) While gripping the handle, adjust the stopper bolt so that dimension B is as follows.

**Dimension B : 0.2 to 0.3 mm (0.008 to 0.012 in.)**

**NOTICE:**

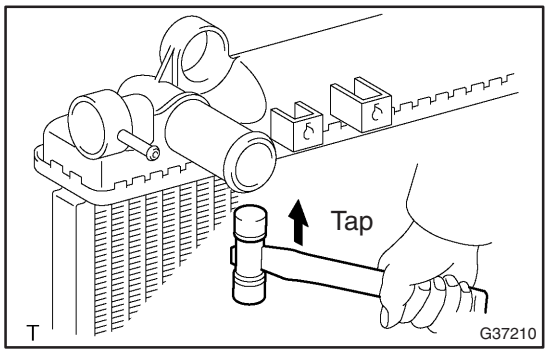
**If this adjustment is not performed, the claw will be damaged.**




**4. UNCAULK LOCK PLATE**

(a) Using SST to release the caulking, grip the handle until stopped by the stopper bolt.

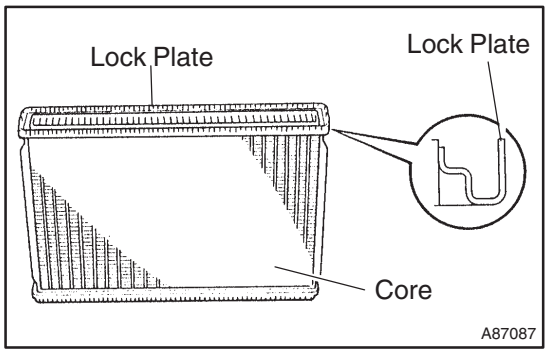
SST 09230–01010 (09231–01010, 09231–01030)




**5. REMOVE RADIATOR TANK UPPER AND TANK LOWER**

(a) Lightly tap the bracket of the radiator (or radiator hose inlet or outlet) with a plastic hammer and remove the tank.

(b) Remove the O–ring.




**6. INSPECT LOCK PLATE FOR DAMAGE**

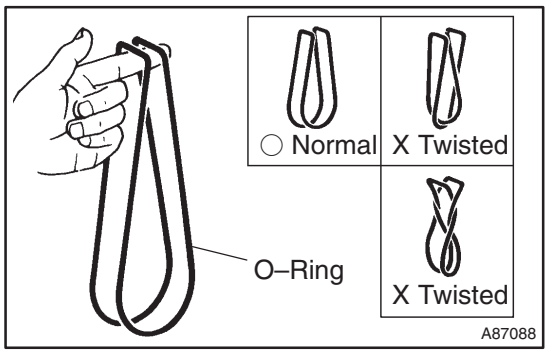
Inspect the lock plate for damage.

HINT:

- If the sides of the lock plate groove are deformed, reassembly of the tank will be impossible. Correct any deformations with pliers.
- Water leakage will occur if the bottom of the lock plate groove is damaged or dented. Repair or replace if necessary.

**NOTICE:**

**The radiator can only be caulked 2 times. After the 2nd time, the radiator core must be replaced.**

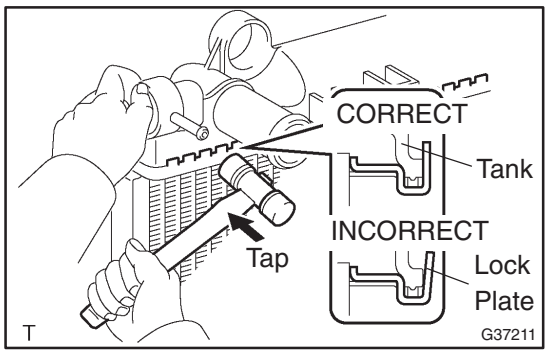



**7. INSTALL RADIATOR TANK UPPER AND TANK LOWER**

(a) Check that there are no foreign objects in the lock plate groove, and install a new O–ring. Make sure the O–ring is not twisted.

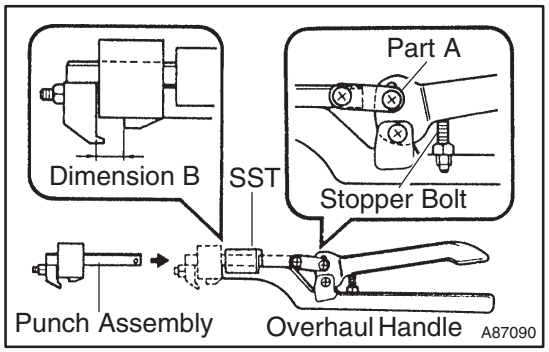
HINT:

When cleaning the lock plate groove, lightly rub it with sandpaper without scratching it.




(b) Install the tank, taking care not to damage the O–ring.

(c) Tap the lock plate with a plastic hammer so that there is no gap between the lock plate and the tank.



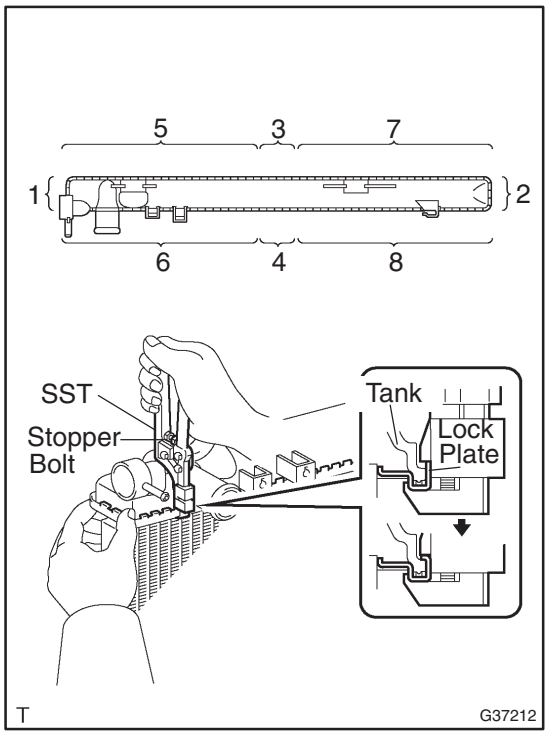

**8. ASSEMBLE SST**

SST 09230–01010, 09231–14010

(a) Install the punch assembly to the overhaul handle, inserting it into the hole at part A as shown in the illustration.

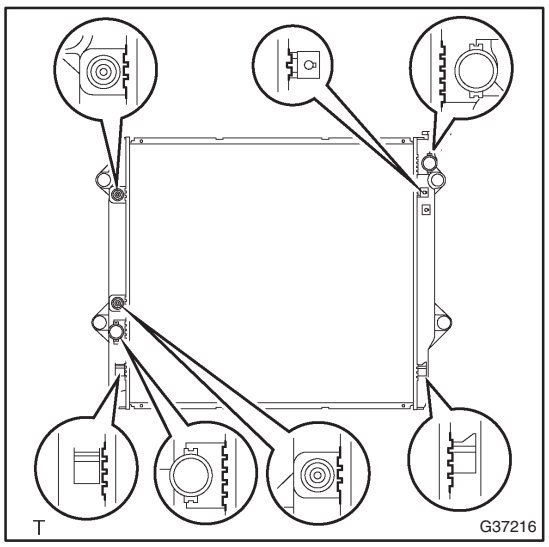
(b) While gripping the handle, adjust the stopper bolt so that dimension B is as follows.

**Dimension B: 8.4 mm (0.34 in.)**



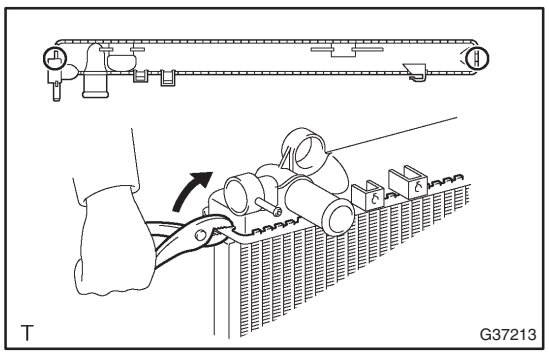

**9. CAULK LOCK PLATE**

(a) Lightly press SST against the lock plate in the order shown in the illustration. After repeating this a few times, fully caulk the lock plate by gripping the handle until stopped by the stopper plate.
SST 09230–01010

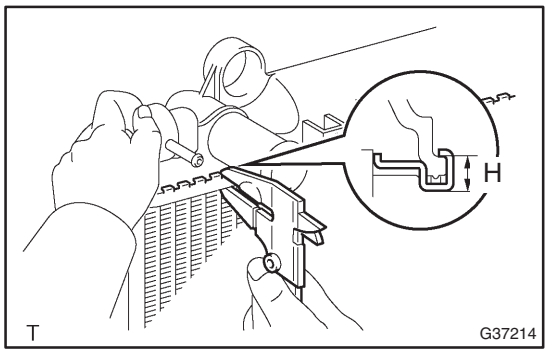



HINT:

- The lock plate is not required to be caulked at the points shown in the illustration.



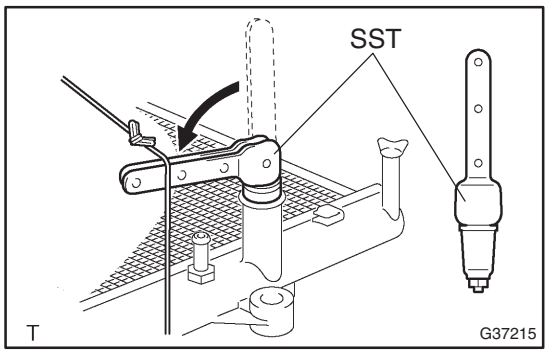

- The points shown in the illustration cannot be tapped with SST. Use pliers and be careful not to damage the core plates.




(b) Check the lock plate height (H) after caulking.
**Plate height (H): 8.8 mm (0.346 in.)**
If not the specified height, adjust the stopper bolt of the handle again and caulk the lock plate again.

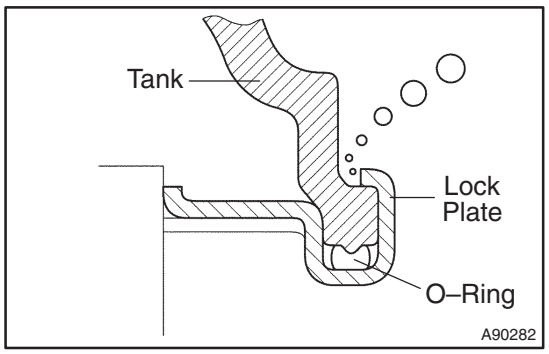
**10. INSTALL DRAIN PLUG**

(a) Install a new O–ring to the drain plug.
(b) Install the drain plug.




**11. INSPECT FOR WATER LEAKS**

(a) Plug the inlet and outlet pipes of the radiator with SST.
SST 09230–01010
(b) Using a radiator cap tester, apply pressure to the radiator.
**Test pressure: 177 kPa (1.8 kgf/cm$^2$, 26 psi)**
(c) Submerge the radiator in water.




(d) Check for leaks.
HINT:
On radiators with resin tanks, there is a clearance between the tank and lock plate where a minute amount of air will remain, giving the appearance of an air leak when the radiator is submerged in water. Before doing the water leak test, shake the radiator in the water until all air bubbles disappear first.

**12. INSTALL RADIATOR CAP SUB–ASSY**