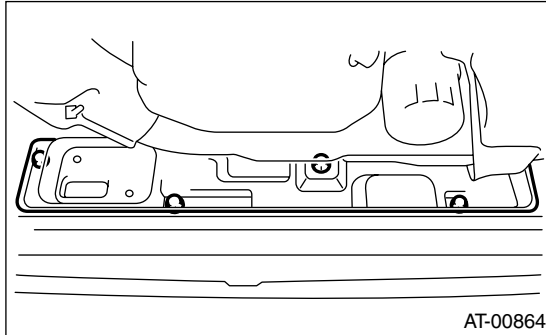


## 22.ATF Cooler Pipe and Hose

### A: REMOVAL

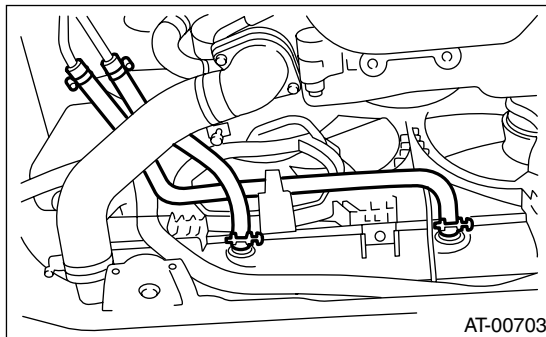
- 1) Set the vehicle on a lift.
- 2) Remove battery and washer tank.
- 3) Lift-up the vehicle.
- 4) Remove the under cover.
- 5) Remove the radiator under cover. (Turbo model)



- 6) Disconnect the ATF cooler hoses from radiator.

**NOTE:**

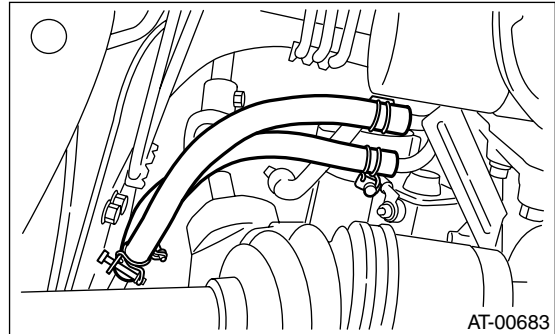
- Do not remove them with a screwdriver or other pointed tools.
- When the hose is difficult to remove, wrap the hose around with a shop cloth to protect. Turn it with pliers, and then pull it directly out with your hand.



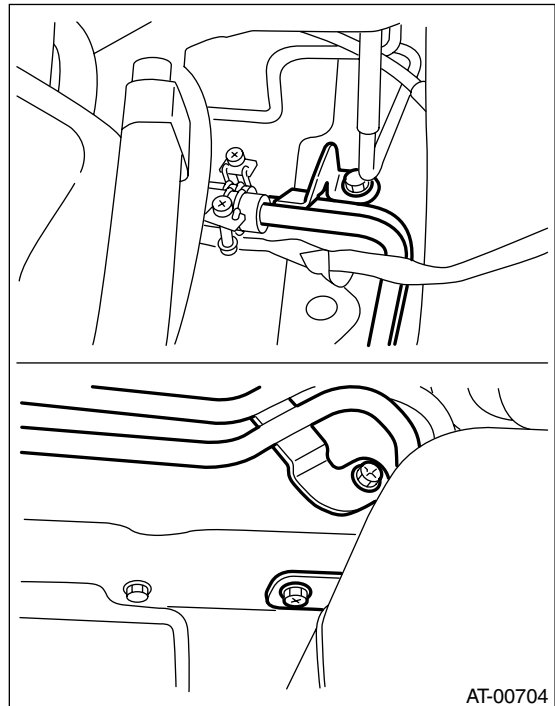
- 7) Disconnect the ATF cooler hoses from pipes.

**NOTE:**

- Do not remove them with a screwdriver or other pointed tools.
- When the hose is difficult to remove, wrap the hose around with a shop cloth to protect. Turn the hose with pliers, and then pull it directly out with your hand.



- 8) Remove the ATF cooler pipes from frame.



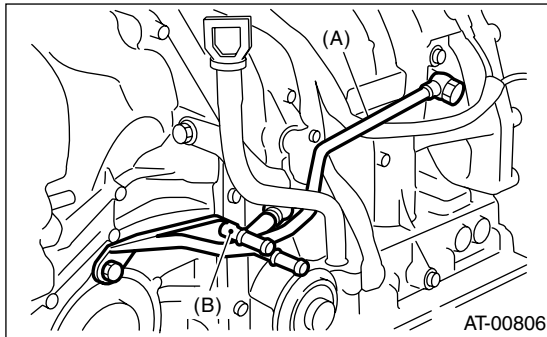
# ATF COOLER PIPE AND HOSE

## AUTOMATIC TRANSMISSION

9) Remove the oil cooler inlet and outlet pipes.

### NOTE:

When removing the outlet pipe, be careful not to lose the ball and spring used with retaining screw.



- (A) Inlet pipe
- (B) Outlet pipe

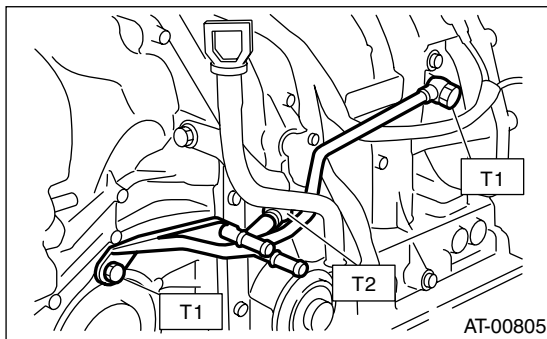
## B: INSTALLATION

1) Install the oil cooler outlet and inlet pipes using new aluminum washers.

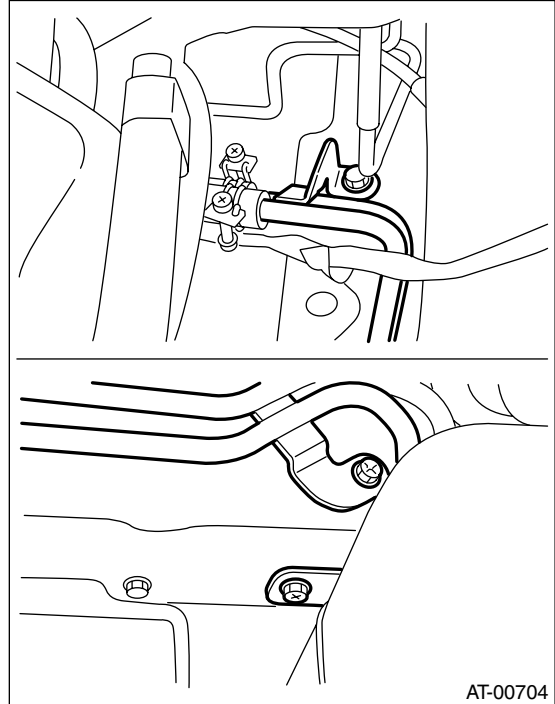
### Tightening torque:

**T1: 25 N·m (2.5 kgf-m, 18.1 ft-lb)**

**T2: 44 N·m (4.5 kgf-m, 32.5 ft-lb)**



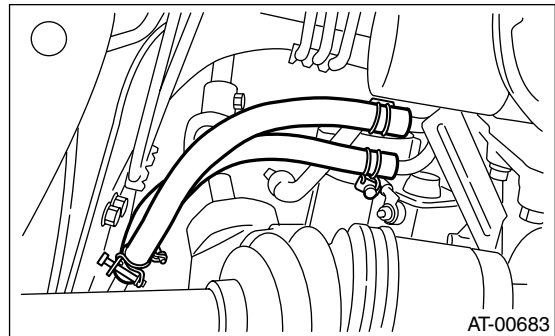
2) Install the ATF cooler pipes to frame.



3) Connect the ATF cooler hoses to pipe transmission side.

### NOTE:

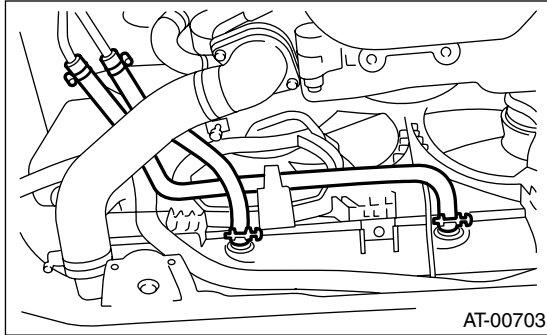
- Install the hoses so that they are not folded over, excessively bent, or twisted.
- Be careful to insert the hoses to the specified position.



4) Connect the ATF cooler hoses to pipes of radiator side.

**NOTE:**

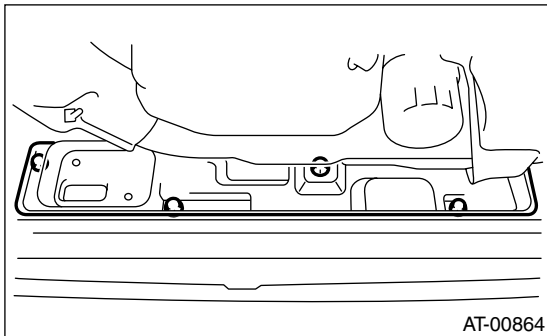
- Install the hoses so that they are not folded over, excessively bent, or twisted.
- Be careful to insert the hoses to the specified position.



5) Install the radiator under cover. (Turbo model)

**Tightening torque:**

**4.9 N·m (0.5 kgf-m, 3.6 ft-lb)**



6) Install the under cover.

7) Install the battery and washer tank.

8) Fill ATF. <Ref. to 4AT-29, Automatic Transmission Fluid.>

**NOTE:**

Make sure there are no ATF leaks in joints between the transmission, radiator, pipes, and hoses.

## C: INSPECTION

Repair or replace any defective hoses, pipes, clamps, and washers found from the inspection below.

- 1) Check for ATF leaks in joints between the transmission, radiator, pipes, and hoses.
- 2) Check for deformed clamps.
- 3) Lightly bend the hose and check for cracks in the surface and other damage.
- 4) Pinch the hose with your fingers and check for poor elasticity. Also check for poor elasticity in the parts where the clamp was by pressing with your fingernail.
- 5) Check for peeling, cracks, and deformation at the tip of the hose.