

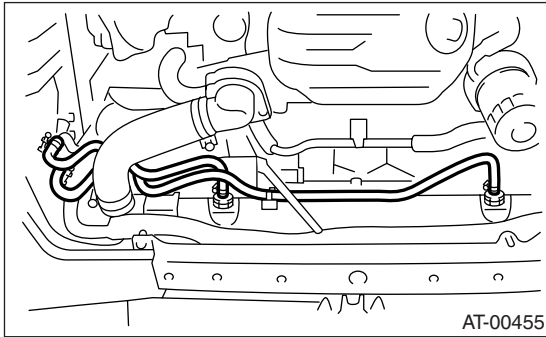
## 24.ATF Cooler Pipe and Hose

### 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) Disconnect ATF cooler hose from radiator.

**NOTE:**

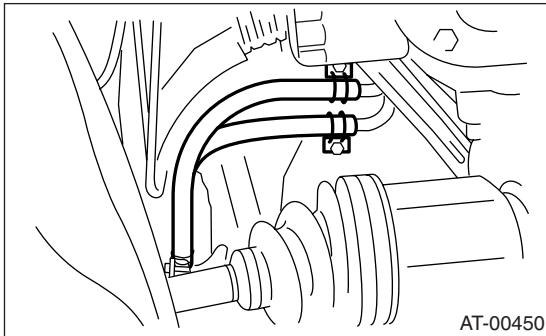
- Do not remove with a screwdriver or other pointed tools.
- When the hose is difficult to remove, wrap a shop cloth around the hose to protect it. Turn it with pliers, and then pull directly out with your hand.



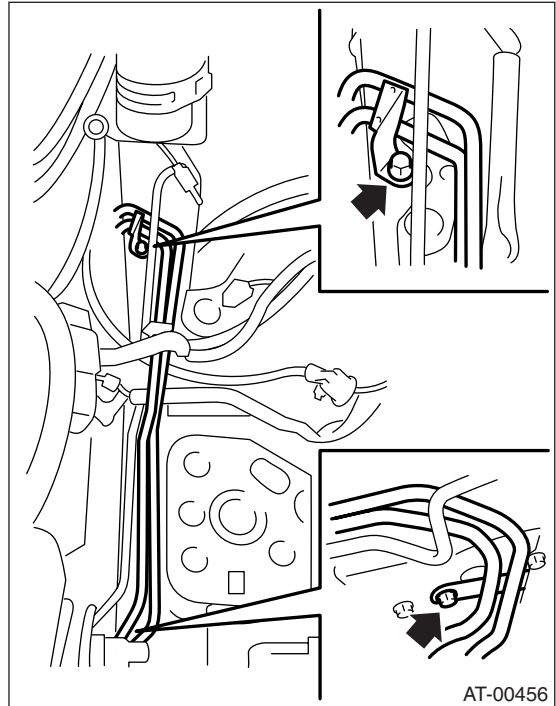
- 6) Disconnect ATF cooler hoses from pipes.

**NOTE:**

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



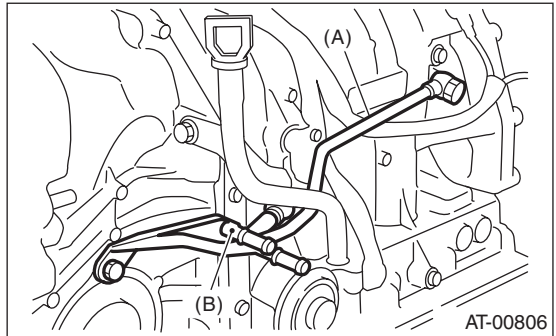
- 7) Remove ATF cooler pipe from frame.



- 8) Remove the ATF cooler inlet and outlet pipes.

**CAUTION:**

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



- (A) ATF cooler inlet pipe
- (B) ATF cooler outlet pipe

# ATF COOLER PIPE AND HOSE

## AUTOMATIC TRANSMISSION

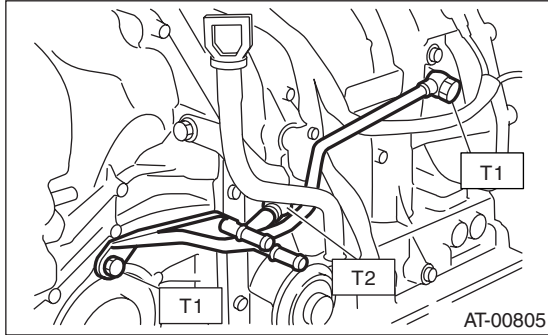
### B: INSTALLATION

1) Install the ATF cooler outlet and inlet pipes using a new aluminum washer.

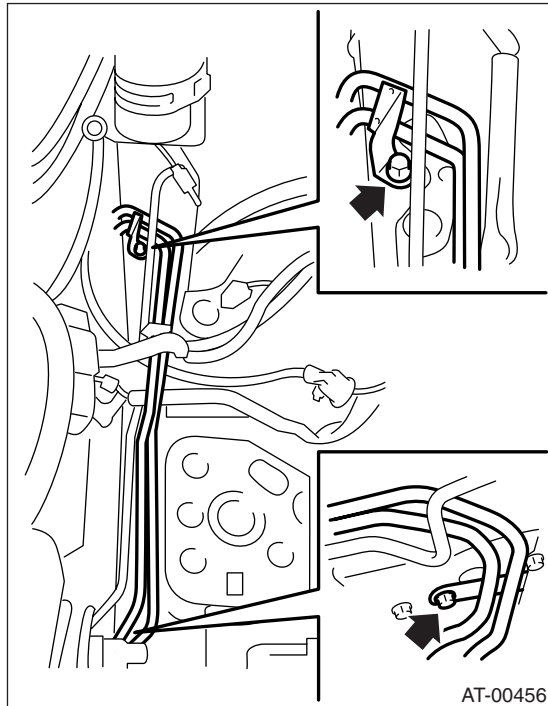
#### Tightening torque:

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

**T2: 45 N·m (4.6 kgf-m, 33.2 ft-lb)**



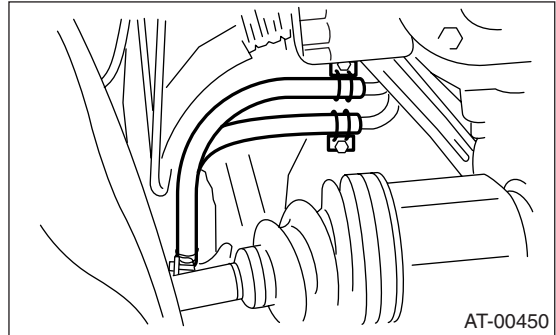
2) Install ATF cooler pipe to frame.



3) Connect ATF cooler hose to pipe transmission side.

#### NOTE:

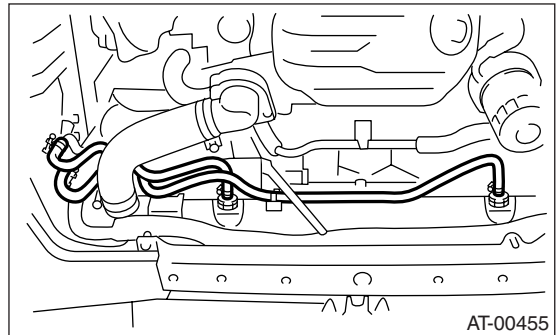
- Install so that the hose is not folded over, excessively bent or twisted.
- Be careful to insert the hose to the specified position.



4) Connect ATF cooler hose to pipe of radiator side.

#### NOTE:

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



5) Install the under cover.

6) Install battery and washer tank.

7) 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.