

## ATF COOLER PIPE AND HOSE

AUTOMATIC TRANSMISSION

### 22.ATF Cooler Pipe and Hose

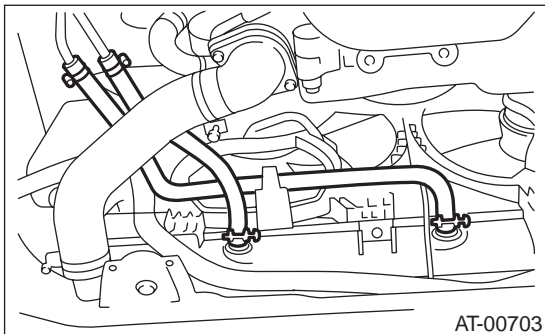
#### A: REMOVAL

##### 1. EXCEPT 3.0 L MODEL

- 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:

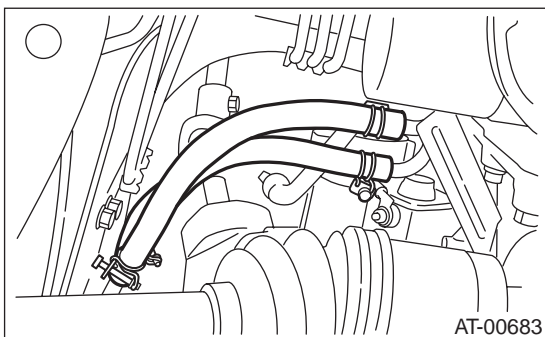
- Do not remove with a screwdriver or other pointed tools.
- When the hose is difficult to remove, wrap a shop cloth around the hose to protect it. Turn it with pliers, and then pull directly out with your hand.



- 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.



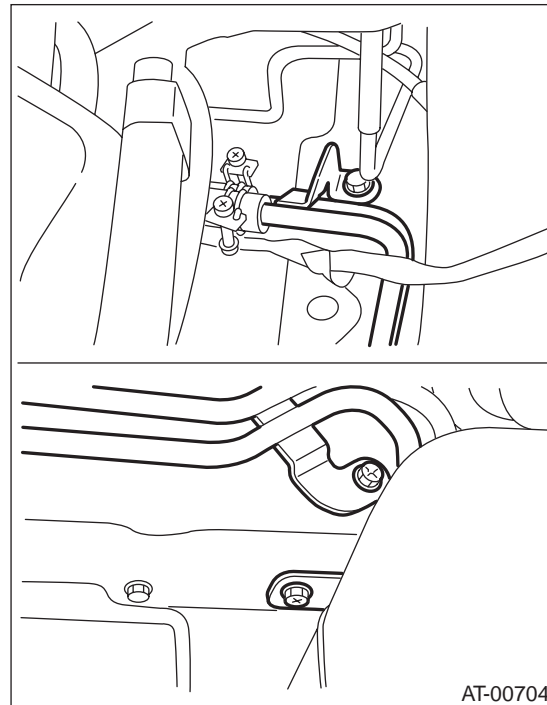
##### 2. 3.0 L MODEL

- 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.

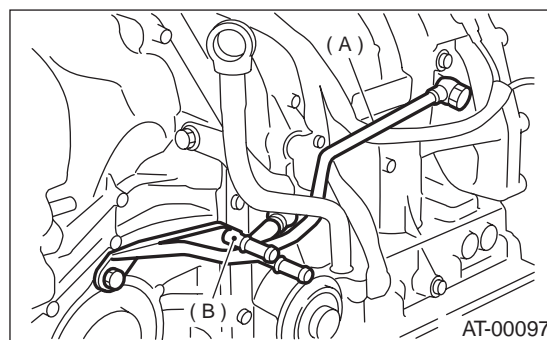
- 7) Remove ATF cooler pipe from frame.



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

##### NOTE:

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

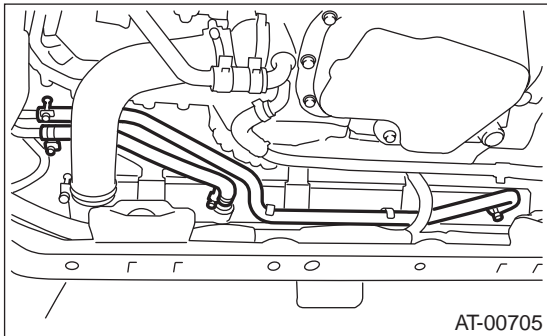


- (A) Inlet pipe  
(B) Outlet pipe

## ATF COOLER PIPE AND HOSE

### AUTOMATIC TRANSMISSION

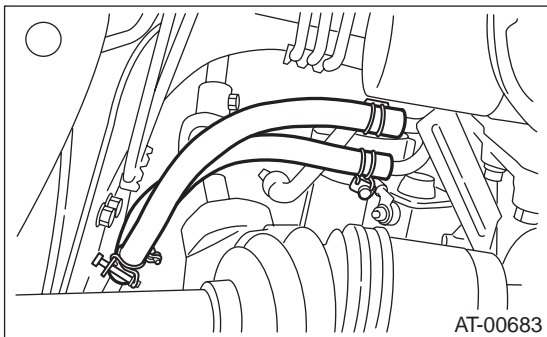
- When the hose is difficult to remove, wrap a shop cloth around the hose to protect it. Turn it with pliers, and then pull directly out with your hand.



6) Disconnect ATF cooler hoses from transmission.

**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 front left mud guard.

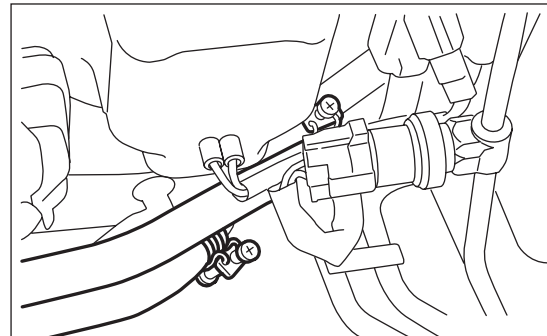
<Ref. to EI-23, REMOVAL, Mud Guard.>

8) Disconnect ATF cooler hoses from ATF filter.

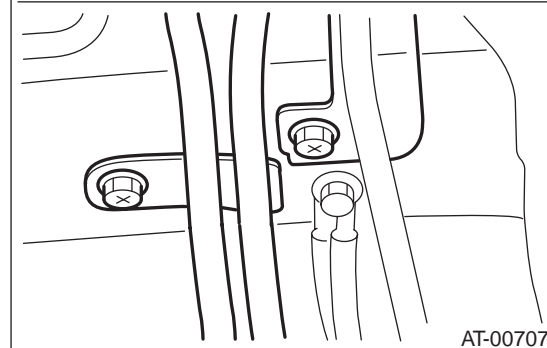
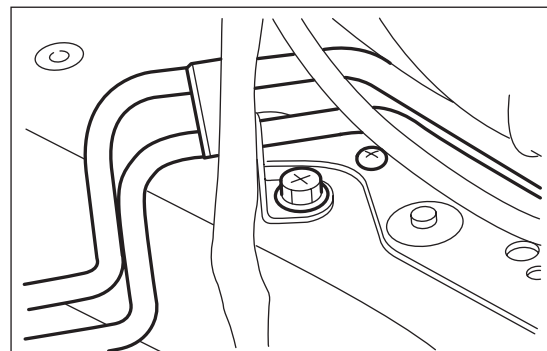
**NOTE:**

- 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.



9) Remove AT cooler pipe from frame.



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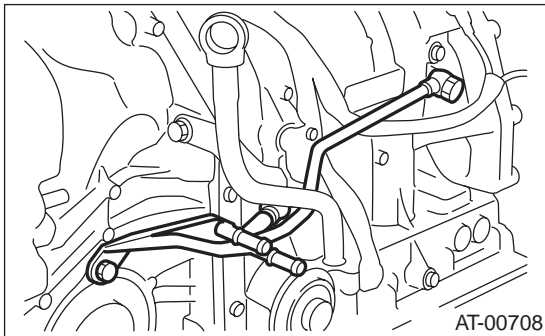
## ATF COOLER PIPE AND HOSE

AUTOMATIC TRANSMISSION

10) Remove the oil cooler inlet and outlet pipes.

**NOTE:**

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



### B: INSTALLATION

#### 1. EXCEPT 3.0 L MODEL

1) Install the oil cooler outlet and inlet pipes.

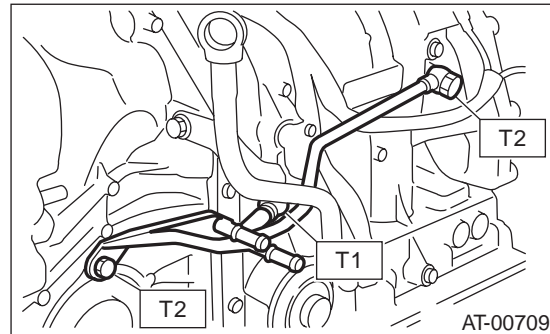
**NOTE:**

Be sure to use a new aluminum washer.

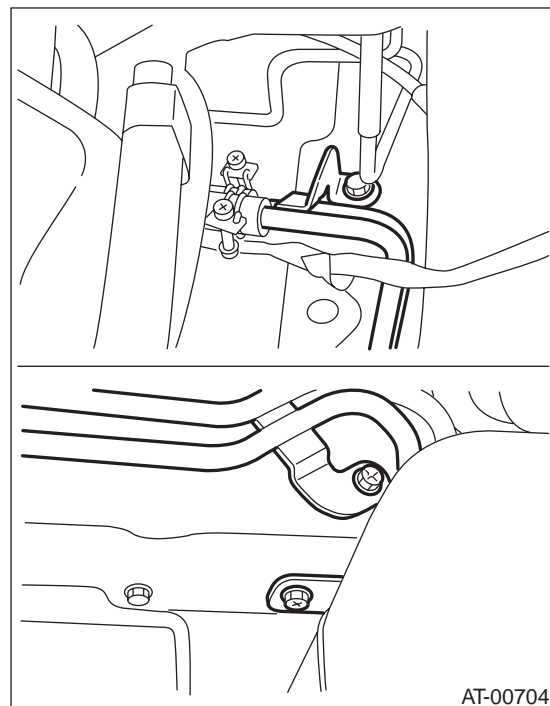
**Tightening torque:**

**T1: 44 N·m (4.5 kgf-m, 32.5 ft-lb)**

**T2: 25 N·m (2.5 kgf-m, 18.1 ft-lb)**



2) Install ATF cooler pipe to frame.



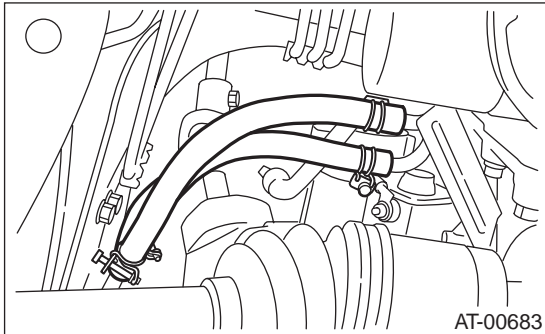
## ATF COOLER PIPE AND HOSE

### AUTOMATIC TRANSMISSION

3) Connect ATF cooler hose to pipe transmission side.

**NOTE:**

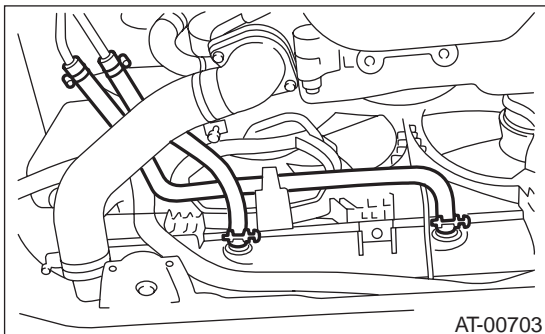
- Install so that the hose is not folded over, excessively bent, or twisted.
- Be careful to insert the hose to the specified position.



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 AT-30, Automatic Transmission Fluid.>

**NOTE:**

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

### 2. 3.0 L MODEL

1) Install the oil cooler outlet and inlet pipes.

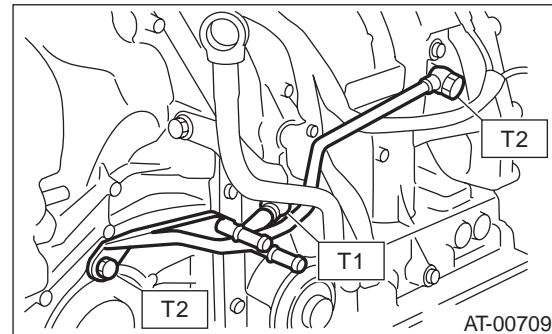
**NOTE:**

Be sure to use a new aluminum washer.

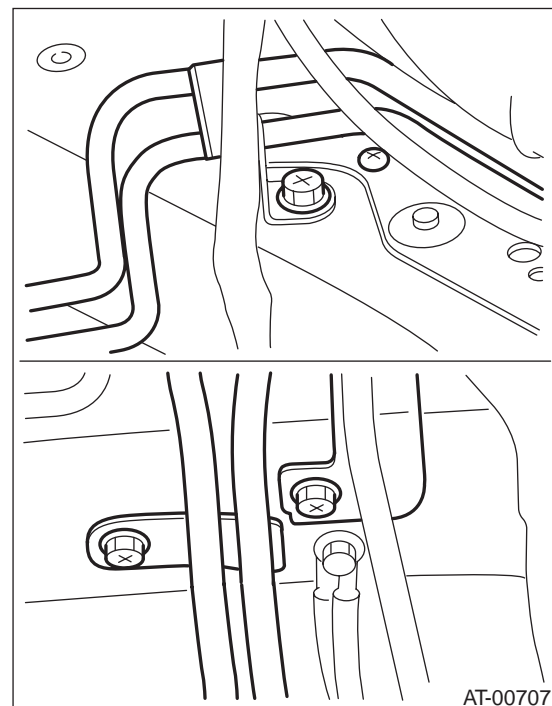
**Tightening torque:**

**T1: 44 N·m (4.5 kgf-m, 32.5 ft-lb)**

**T2: 25 N·m (2.5 kgf-m, 18.1 ft-lb)**



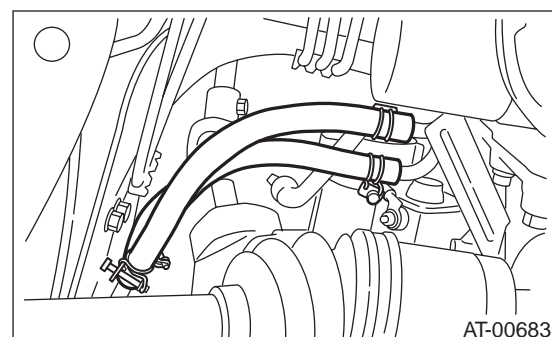
2) Install ATF cooler pipe to frame.



3) Connect ATF cooler hose to transmission.

**NOTE:**

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



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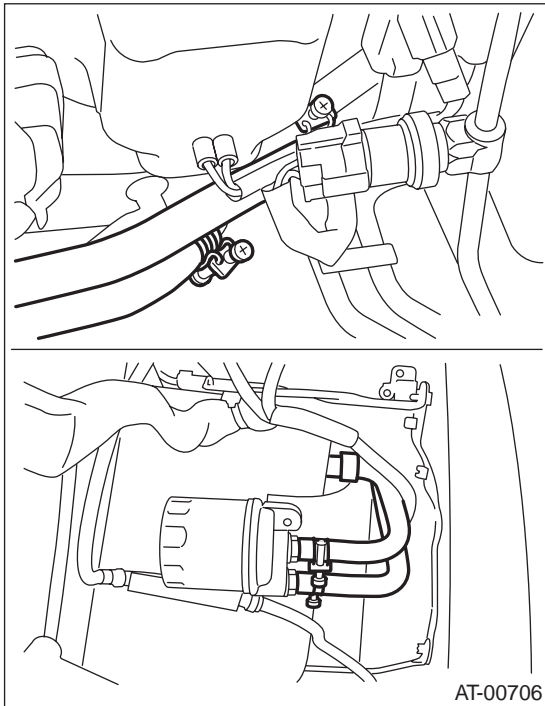
## ATF COOLER PIPE AND HOSE

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4) Connect ATF cooler hoses from ATF filter.

**NOTE:**

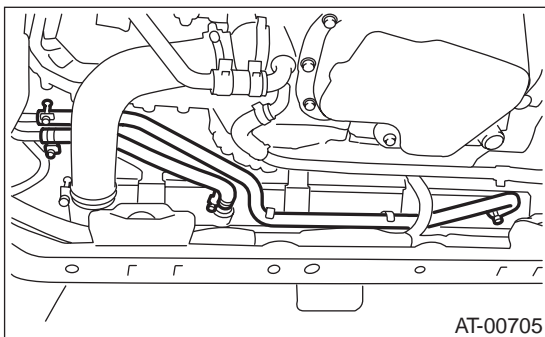
- Install so that the hose is not folded over, excessively bent, or twisted.
- Be careful to insert the hose to the specified position.



5) Connect ATF cooler hoses from radiator.

**NOTE:**

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



6) Install front left mud guard. <Ref. to EI-23, INSTALLATION, Mud Guard.>

7) Install the under cover.

8) Install battery and washer tank.

9) Fill ATF. <Ref. to AT-30, 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.

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