

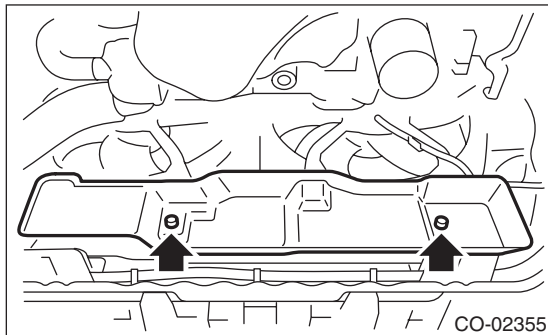
ATF Cooler Pipe and Hose

AUTOMATIC TRANSMISSION

21.ATF Cooler Pipe and Hose

A: REMOVAL

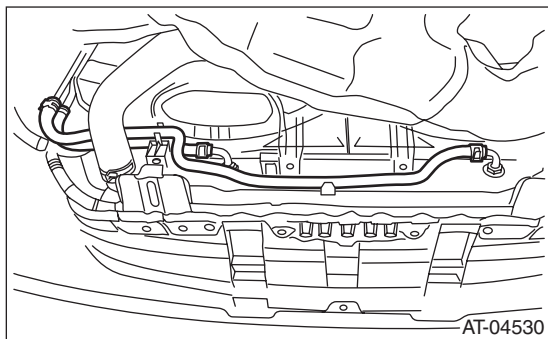
- 1) Set the vehicle on a lift.
- 2) Remove the battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Remove the heat shield cover.



- 6) Disconnect the ATF cooler hose from the radiator.

NOTE:

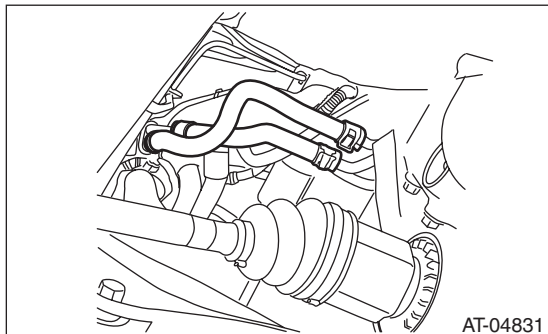
- Do not use a screwdriver or other pointed tools.
- If it is hard to remove the hose, wrap the hose with cloth to prevent from damaging it, and while turning with pliers, pull straight out by hand.



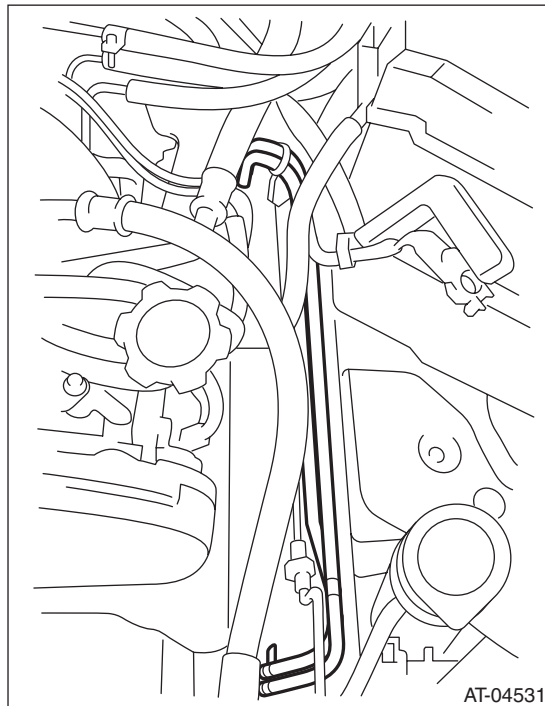
- 7) Disconnect the ATF cooler hoses from the pipes.

NOTE:

- Do not use a screwdriver or other pointed tools.
- If it is hard to remove the hose, wrap the hose with cloth to prevent from damaging it, and while turning with pliers, pull straight out by hand.



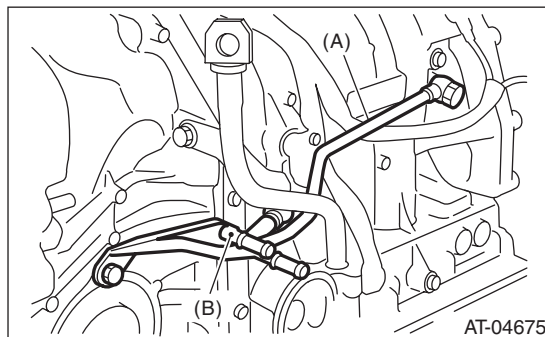
- 8) Disconnect the ATF cooler pipe from frame.



- 9) Remove the ATF inlet pipe and outlet pipe.

CAUTION:

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



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

B: INSTALLATION

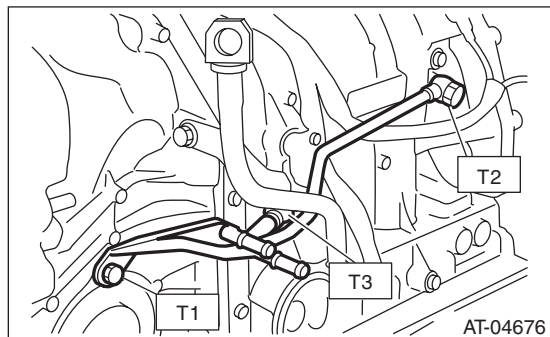
- 1) Install the ATF inlet pipe and outlet pipe along with new washers.

Tightening torque:

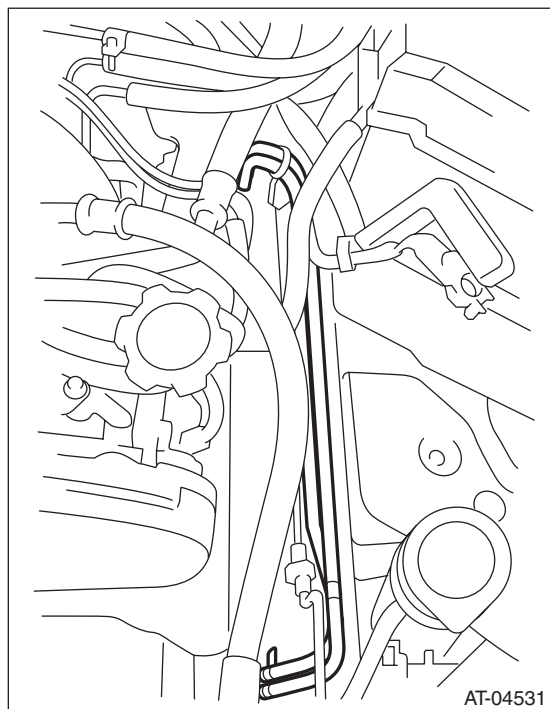
T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)

T2: 40 N·m (4.1 kgf-m, 29.5 ft-lb)

T3: 45 N·m (4.6 kgf-m, 33.2 ft-lb)



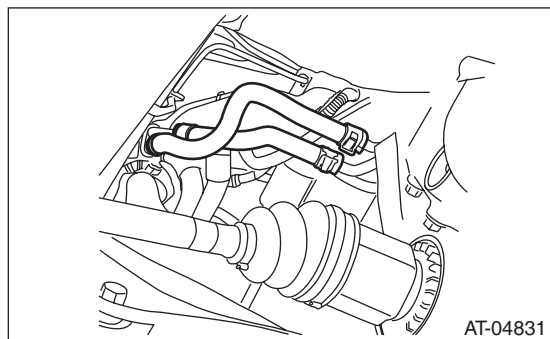
2) Install the ATF cooler pipe to frame.



3) Connect the ATF cooler hose to the pipe on the transmission side.

NOTE:

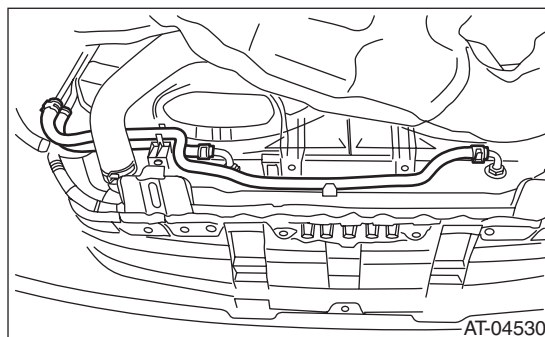
- Install so that the hose is not folded over, excessively bent or twisted.
- Insert the hose to the specified position.
- Use a new ATF cooler hose.



4) Connect the ATF cooler hose to the pipe on the radiator side.

NOTE:

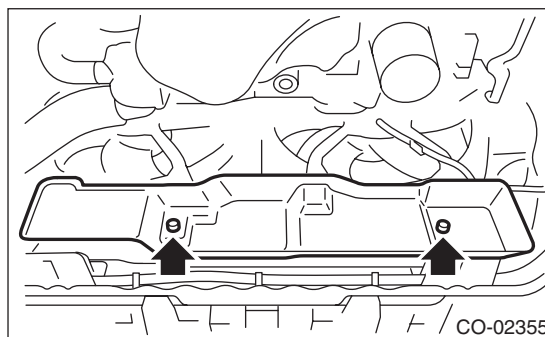
- Install so that the hose is not folded over, excessively bent or twisted.
- Insert the hose to the specified position.
- Use a new ATF cooler hose.



5) Install the heat shield cover.

Tightening torque:

3 N·m (0.3 kgf-m, 2.2 ft-lb)



6) Install the under cover.

7) Install the battery.

8) Refill ATF, and check the level. <Ref. to 4AT-26, 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 faulty hoses, pipes, clamps, and washers found in the inspection below.

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