

19. ATF Cooler Pipe and Hose

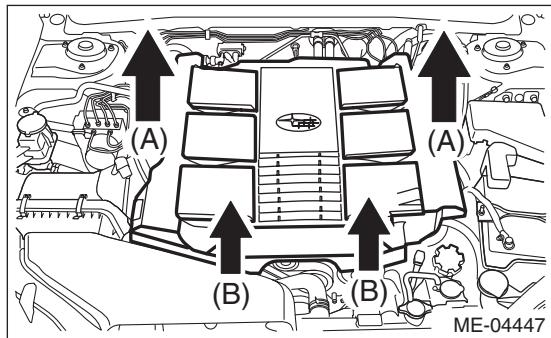
A: REMOVAL

1) Remove the collector cover.

NOTE:

Follow the steps below when removing the collector cover.

- (1) Pull up the two points at the rear (A).
- (2) Pull up the two points at the front (B) while moving them forward.



2) Remove the battery.

3) Lift up the vehicle.

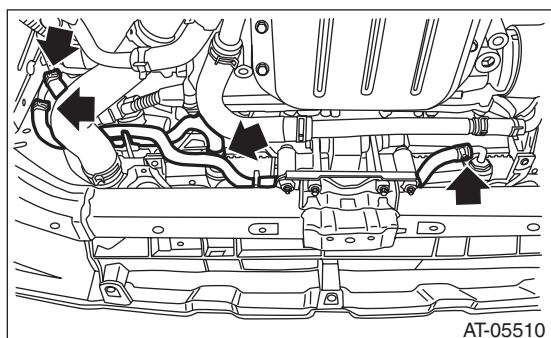
4) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>

5) Remove the front exhaust pipe. <Ref. to EX(H6DO)-5, REMOVAL, Front Exhaust Pipe.>

6) Disconnect the ATF cooler hose from the radiator.

NOTE:

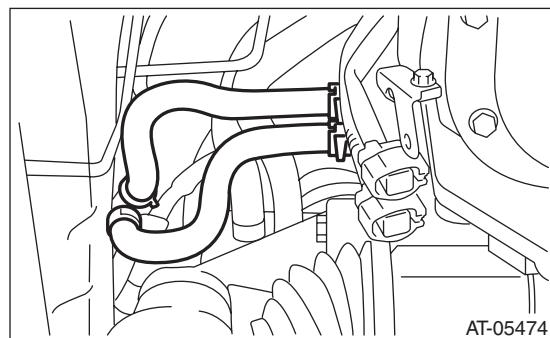
- Do not use a screwdriver or other pointed tools.
- If it is hard to remove the ATF cooler hose, wrap the hose with cloth to prevent from damaging it, and while turning with pliers, pull straight out by hand.



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

NOTE:

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

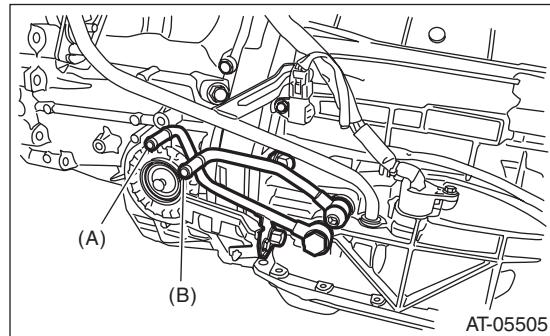


8) Remove the oil charge pipe. <Ref. to 5AT-62, REMOVAL, Oil Charge Pipe.>

9) Remove the ATF cooler inlet pipe and outlet pipe from the transmission.

NOTE:

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

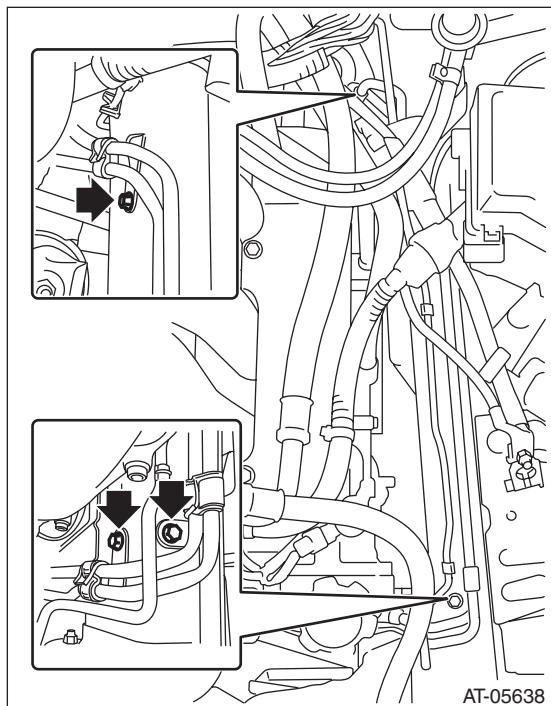


(A) ATF cooler outlet pipe

(B) ATF cooler inlet pipe

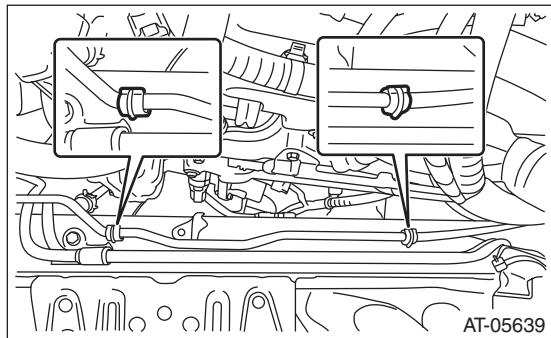
10) Lower the vehicle.

11) Remove the ATF cooler pipe assembly mounting bolt.



12) Remove the engine coolant reservoir tank. <Ref. to CO(H6DO)-25, REMOVAL, Reservoir Tank.>

13) Detach the A/C pipe from clip.



14) Remove the ATF cooler pipe from frame.

CAUTION:

Be careful not to bend A/C pipe.

B: INSTALLATION

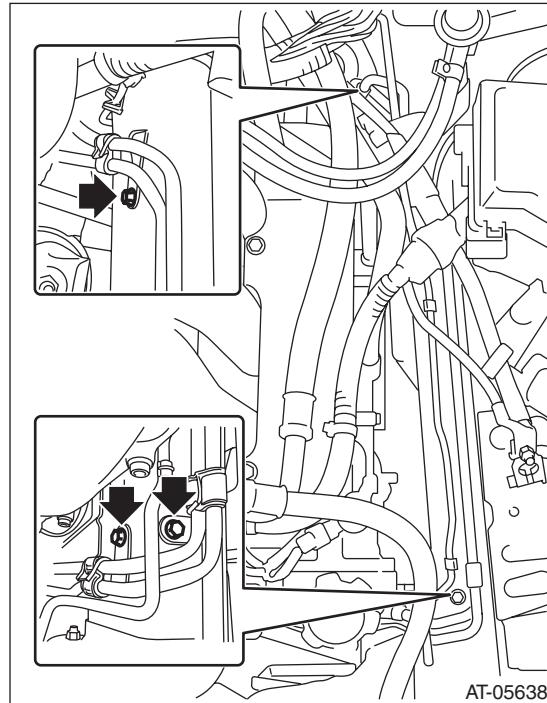
1) Install the ATF cooler pipe to frame.

CAUTION:

Be careful not to bend the A/C pipe, when installing the ATF cooler pipe.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)



2) Install the A/C pipe to clip.

3) Install the engine coolant reservoir tank. <Ref. to CO(H6DO)-25, INSTALLATION, Reservoir Tank.>

4) Lift up the vehicle.

5) Lift up the vehicle.

6) Install the ATF cooler inlet and outlet pipes with new gaskets.

NOTE:

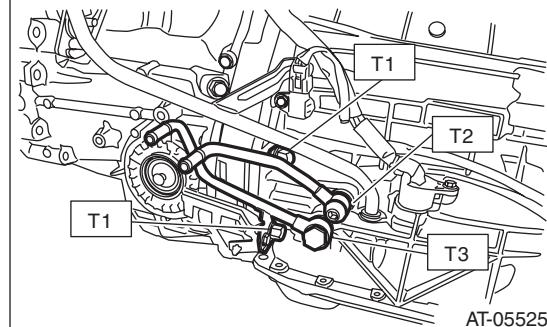
Use a new bolt for the converter case joint.

Tightening torque:

T1: 38 N·m (3.9 kgf-m, 28.0 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)



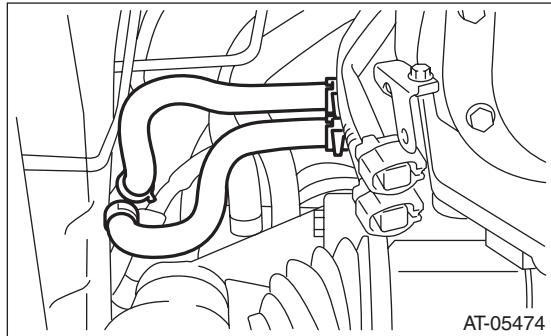
ATF Cooler Pipe and Hose

AUTOMATIC TRANSMISSION

- 7) Install the oil charge pipe. <Ref. to 5AT-62, INSTALLATION, Oil Charge Pipe.>
- 8) Connect the ATF cooler hose to the ATF cooler pipe on the transmission side.

NOTE:

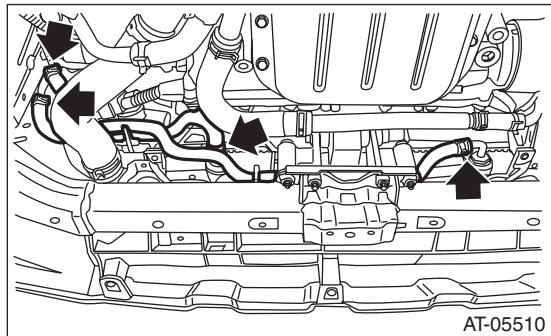
- Use a new ATF cooler hose.
- Install so that the ATF cooler hose is not folded over, excessively bent or twisted.
- Insert the ATF cooler hose to the specified position.



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

NOTE:

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



- 10) Install the front exhaust pipe. <Ref. to EX(H6DO)-6, INSTALLATION, Front Exhaust Pipe.>

- 11) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover.>

- 12) Lower the vehicle.

- 13) Install the battery.

- 14) Check the ATF level. <Ref. to 5AT-29, INSPECTION, Automatic Transmission Fluid.>

NOTE:

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

- 15) Install the collector cover.

C: INSPECTION

Repair or replace any faulty ATF cooler hoses, ATF cooler pipes, clamps, and washers found in the inspection below.

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