

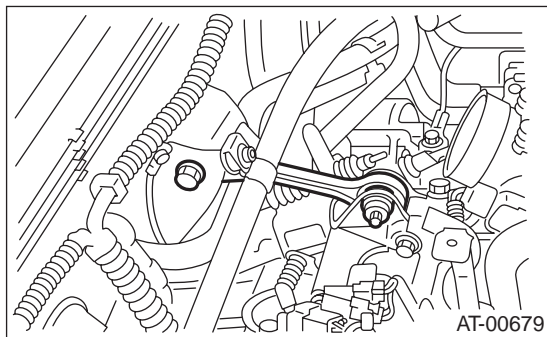
TRANSFER DUTY SOLENOID AND VALVE BODY

AUTOMATIC TRANSMISSION

18. Transfer Duty Solenoid and Valve Body

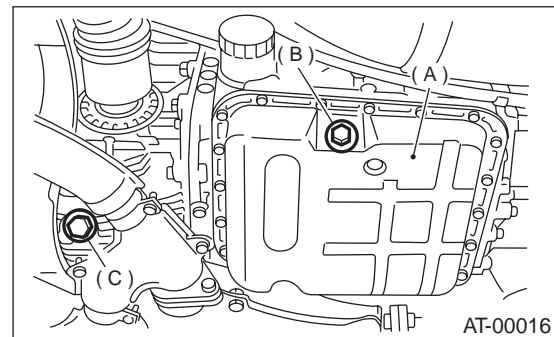
A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.
- 3) Remove the air cleaner case. (2.5 L model)
<Ref. to IN(H4SO)-5, INSTALLATION, Air Cleaner Case.>
- 4) Remove air intake chamber. (3.0 L model)
<Ref. to IN(H6DO)-6, REMOVAL, Air Intake Chamber.>
- 5) Remove the pitching stopper.



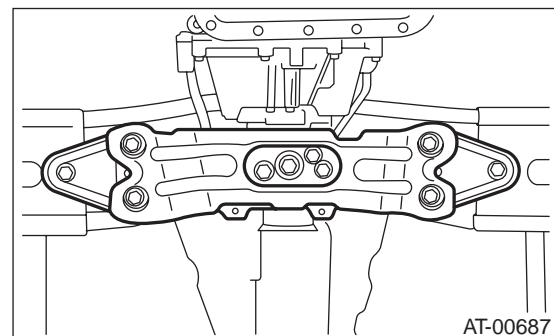
- 6) Remove the front exhaust pipe with center exhaust pipe.
2.5 L model
<Ref. to EX(H4SO)-5, REMOVAL, Front Exhaust Pipe.>
3.0 L model
<Ref. to EX(H6DO)-5, REMOVAL, Front Exhaust Pipe.>
- 7) Remove the rear exhaust pipe and muffler.
2.5 L model
<Ref. to EX(H4SO)-9, REMOVAL, Rear Exhaust Pipe.> and <Ref. to EX(H4SO)-10, REMOVAL, Muffler.>
3.0 L model
<Ref. to EX(H6DO)-8, REMOVAL, Rear Exhaust Pipe.> and <Ref. to EX(H6DO)-9, REMOVAL, Muffler.>

- 8) Raise the vehicle and drain the ATF.

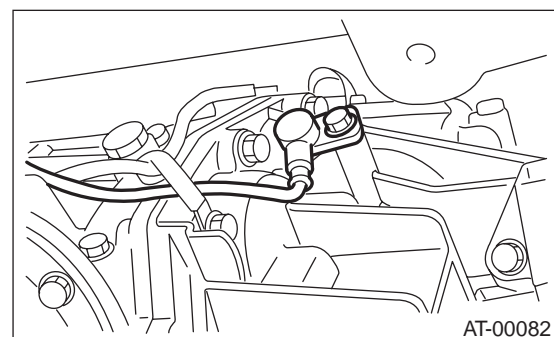


- (A) Oil pan
- (B) Drain plug
- (C) Differential oil drain plug

- 9) Remove the heat shield cover.
- 10) Remove the propeller shaft. <Ref. to DS-14, REMOVAL, Propeller Shaft.>
- 11) Remove the transmission rear crossmember.
 - (1) Support the transmission using a transmission jack and raise slightly.
 - (2) Remove the bolts and nuts as shown in the figure.



- 12) Remove the rear vehicle speed sensor.

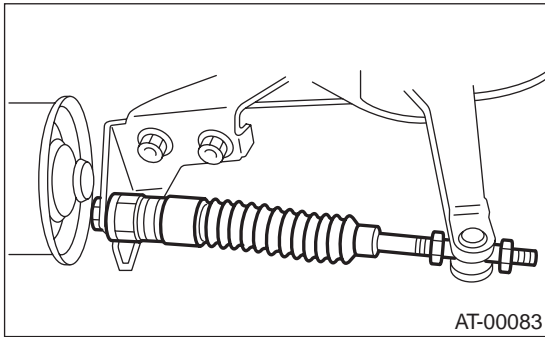


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13) Remove the select cable nut.



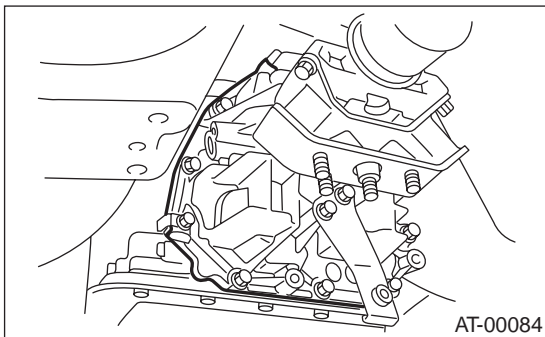
14) Move the gear select cable so that extension bolts can be removed.

15) Remove the bolts.

16) Remove the extension case.

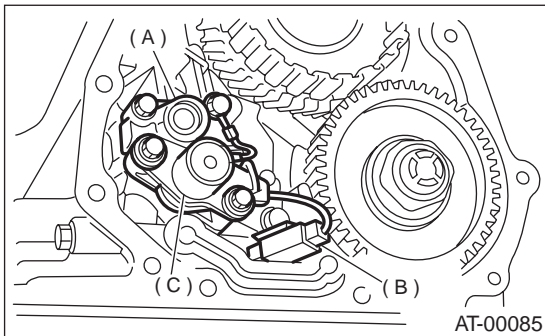
NOTE:

Use a container to catch oil flowing from extension.



17) Disconnect the transfer duty solenoid connector.

18) Remove the transfer duty solenoid and transfer valve body.



- (A) Transfer valve body
- (B) Transfer duty solenoid connector
- (C) Transfer duty solenoid

B: INSTALLATION

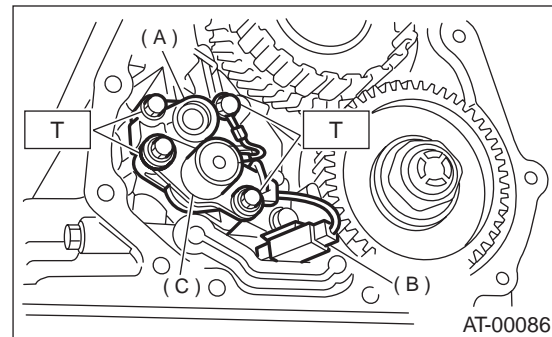
1) Install the transfer duty solenoid and transfer valve body.

(1) Install the transfer duty solenoid and transfer valve body.

Tightening torque:

T: 8 N·m (0.8 kgf-m, 5.8 ft-lb)

(2) Connect the transfer duty solenoid connector.



- (A) Transfer valve body
- (B) Transfer duty solenoid connector
- (C) Transfer duty solenoid

2) Install a new gasket and the extension case to transmission case.

(1) Tighten eleven bolts.

Tightening torque:

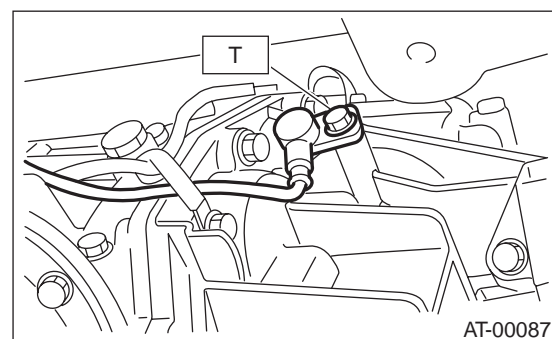
25 N·m (2.5 kgf-m, 18.1 ft-lb)

(2) Adjust the select cable. <Ref. to CS-32, ADJUSTMENT, Select Cable.>

3) Install the rear vehicle speed sensor.

Tightening torque:

T: 7 N·m (0.7 kgf-m, 5.1 ft-lb)



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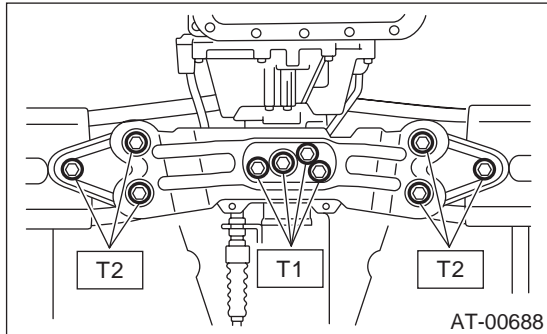
4) Install the transmission rear crossmember.

(1) Tighten the bolts.

Tightening torque:

T1: 35 N·m (3.6 kgf-m, 26 ft-lb)

T2: 70 N·m (7.1 kgf-m, 51 ft-lb)



(2) Remove the transmission jack.

5) Install the propeller shaft. <Ref. to DS-15, INSTALLATION, Propeller Shaft.>

6) Install the front, center rear exhaust pipe and muffler.

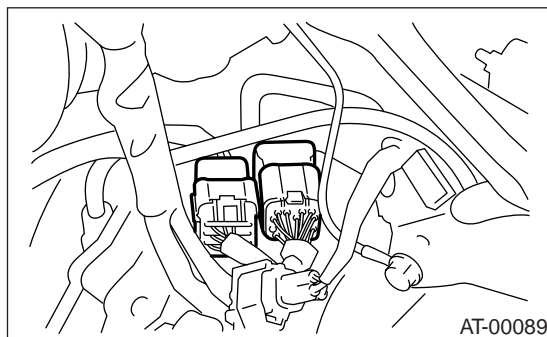
2.5 L model

<Ref. to EX(H4SO)-6, INSTALLATION, Front Exhaust Pipe.>, <Ref. to EX(H4SO)-9, INSTALLATION, Rear Exhaust Pipe.> and <Ref. to EX(H4SO)-10, INSTALLATION, Muffler.>

3.0 L model

<Ref. to EX(H6DO)-6, INSTALLATION, Front Exhaust Pipe.>, <Ref. to EX(H6DO)-8, INSTALLATION, Rear Exhaust Pipe.> and <Ref. to EX(H6DO)-9, INSTALLATION, Muffler.>

7) Connect the transmission harness connector.

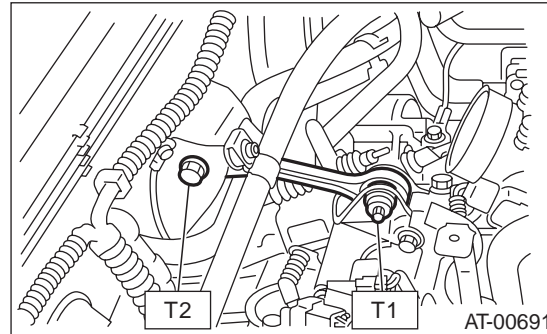


8) Install the pitching stopper.

Tightening torque:

T1: 50 N·m (5.1 kgf-m, 37 ft-lb)

T2: 58 N·m (5.9 kgf-m, 43 ft-lb)



9) Install the air cleaner case. (2.5 L model)

<Ref. to IN(H4SO)-5, INSTALLATION, Air Cleaner Case.>

10) Install air intake chamber. (3.0 L model)

<Ref. to IN(H6DO)-6, INSTALLATION, Air Intake Chamber.>

11) Fill ATF up to the middle of the "COLD" side on level gauge by using the gauge hole. <Ref. to AT-30, Automatic Transmission Fluid.>

12) Check the ATF level. <Ref. to AT-30, Automatic Transmission Fluid.>