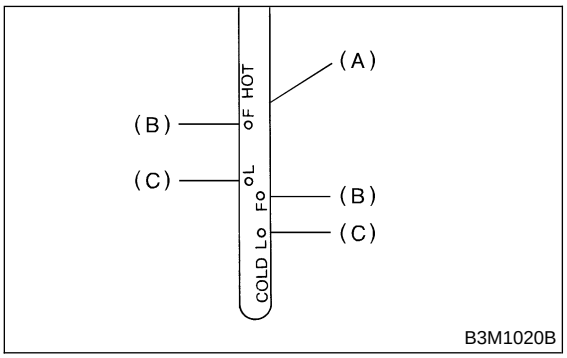
7) Fill ATF up to the middle of the “COLD” side level gauge by using level gauge hole.

Recommended fluid:
Dexron II E or Dexron III type automatic transmission fluid

Fluid capacity:
9.3 — 9.6 ℓ (9.8 — 10.1 US qt, 8.2 — 8.4 Imp qt)

8) Run the vehicle until the ATF temperature rises from 60 to 80°C (140 to 176°F) and check the ATF level of the “HOT” side on level gauge.

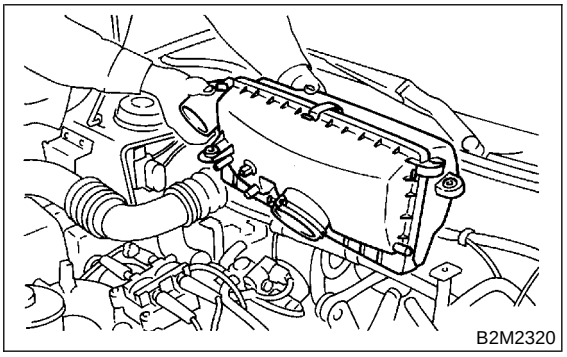


(A) ATF level gauge
(B) Upper level
(C) Lower level

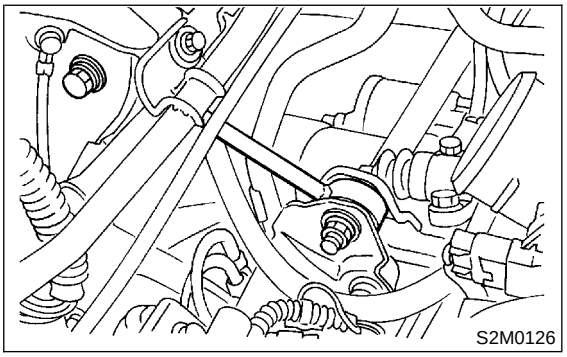
5. Transfer Duty Solenoid and Transfer Valve Body

A: REMOVAL

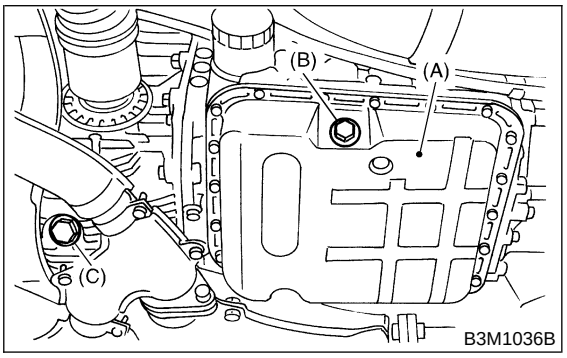
1) Remove air cleaner case and chamber. <Ref. to 2-7 [W1A0].>



2) Remove pitching stopper.

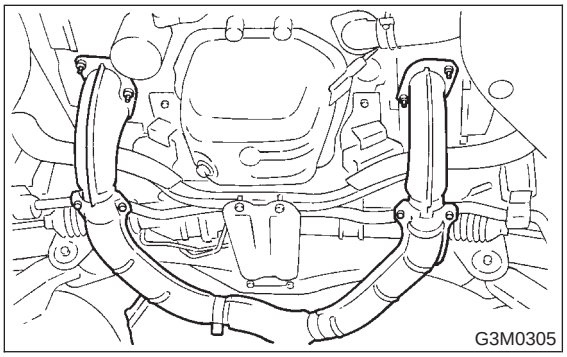


3) Raise vehicle and drain ATF.



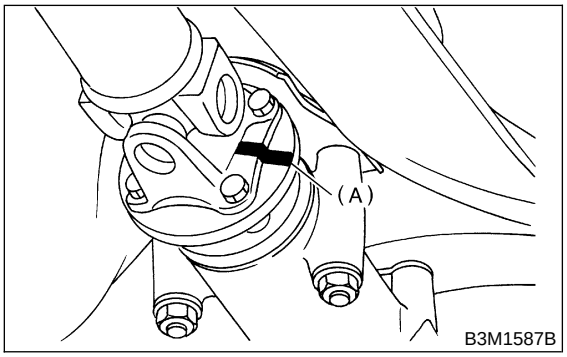
(A) Oil pan
(B) Drain plug
(C) Differential oil drain plug

4) Remove front exhaust pipe.
Disconnect oxygen sensor connector, and remove front and center exhaust pipe.
<Ref. to 2-9 [W1A0].>


G3M0305

5) Remove propeller shaft.
<Ref. to 3-4 [W1B0].>

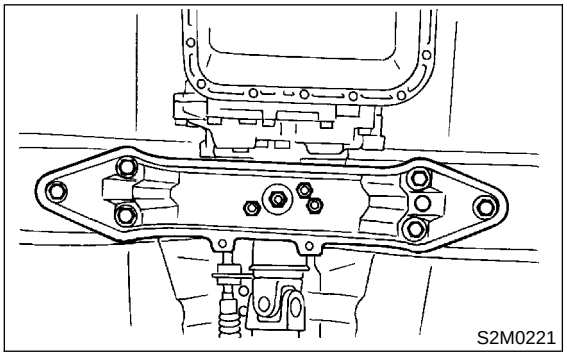
NOTE:
Before removing propeller shaft, scribe matching marks on propeller shaft and rear differential coupling.



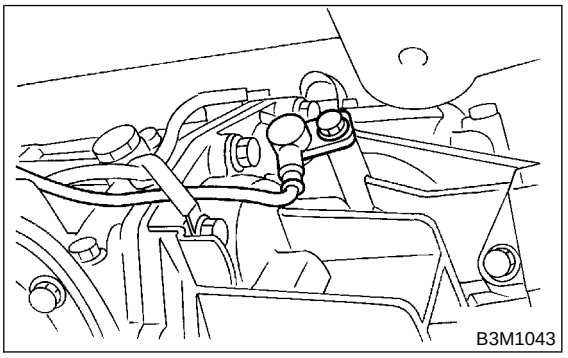
B3M1587B

(A) Matching mark

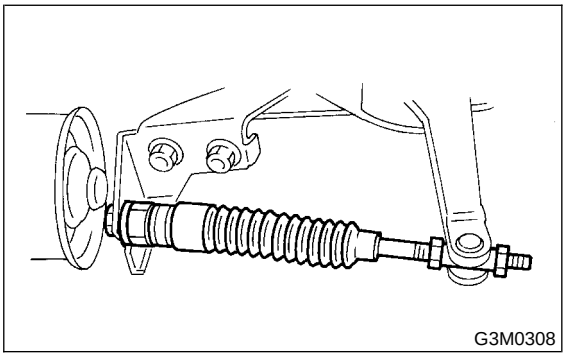
6) Remove rear crossmember.
(1) Support transmission using a transmission jack and raise slightly.
(2) Remove bolts and nuts as shown in Figure.


S2M0221

7) Remove vehicle speed sensor 1 (rear).

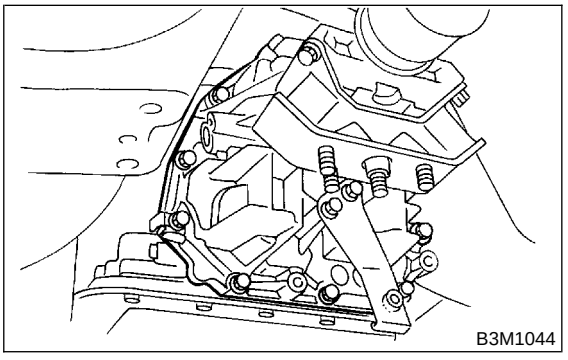

B3M1043

8) Remove extension and gasket.
(1) Remove select cable nut.

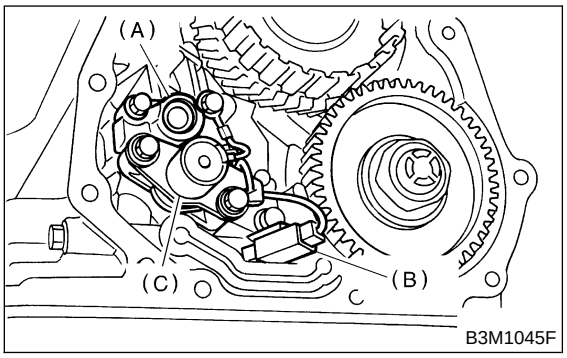

G3M0308

(2) Move gear select cable so that extension bolts can be removed.
(3) Remove bolts.
(4) Remove extension case.

NOTE:
Use a container to catch oil flowing from extension.


B3M1044

9) Disconnect transfer duty solenoid connector.
10) Remove transfer duty solenoid and transfer valve body.



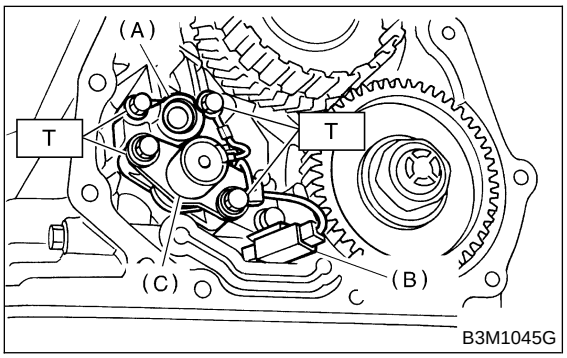
(A) Transfer valve body
(B) Transfer duty solenoid connector
(C) Transfer duty solenoid

B: INSTALLATION

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

Tightening torque:
T: 8±1 N·m (0.8±0.1 kg-m, 5.8±0.7 ft-lb)

(2) Connect transfer duty solenoid connector.

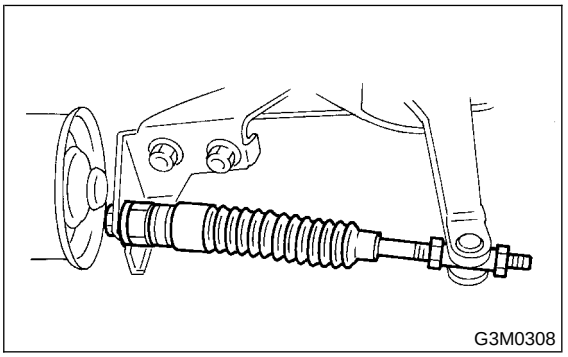


(A) Transfer valve body
(B) Transfer duty solenoid connector
(C) Transfer duty solenoid

2) Install extension case to transmission case.
(1) Tighten the eleven bolts.

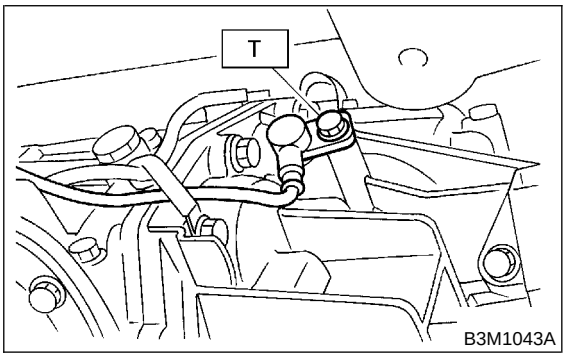
Tightening torque:
25±2 N·m (2.5±0.2 kg-m, 18.1±1.4 ft-lb)

(2) Adjust the select cable. <Ref. to 3-3 [W2A0].>



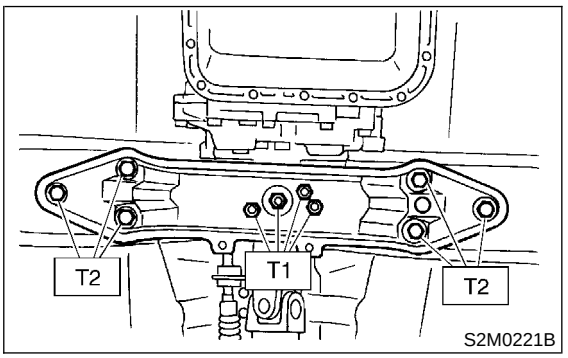
3) Install vehicle speed sensor 1 (rear).

Tightening torque:
T: 7±1 N·m (0.7±0.1 kg-m, 5.1±0.7 ft-lb)



4) Install rear crossmember.
(1) Tighten bolts.

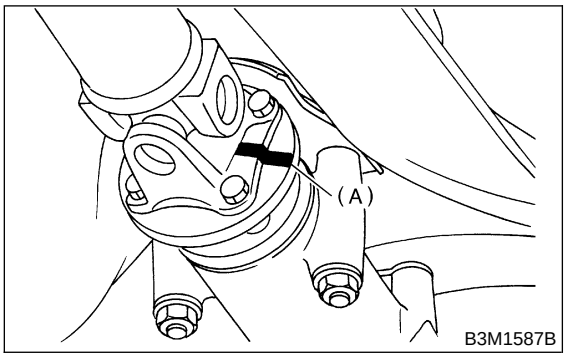
Tightening torque:
T1: 34±5 N·m (3.5±0.5 kg-m, 25.3±3.6 ft-lb)
T2: 69±15 N·m (7.0±1.5 kg-m, 51±11 ft-lb)



(2) Lower and remove transmission jack.

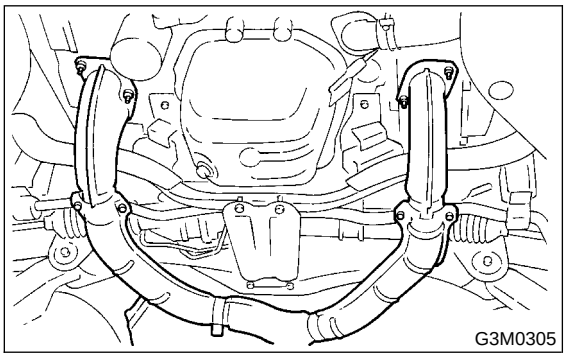
5) Install propeller shaft.
<Ref. to 3-4 [W1E0].>

NOTE:
Align matching marks on propeller shaft and rear differential coupling.

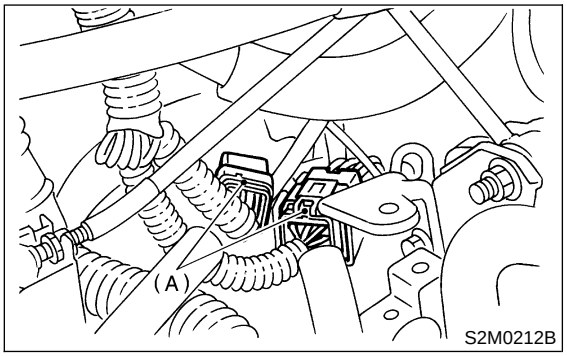


(A) Matching mark

6) Install front exhaust pipe.
<Ref. to 2-9 [W1A0].>



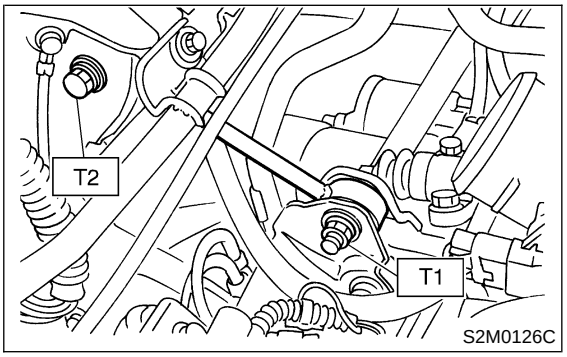
7) Lower and remove jack.
8) Connect the following parts:
(1) Oxygen sensor connector
(2) Transmission harness connector



(A) Transmission harness connector

9) Install pitching stopper.

Tightening torque:
T1: 49±5 N·m (5.0±0.5 kg-m, 36.2±3.6 ft-lb)
T2: 57±10 N·m (5.8±1.0 kg-m, 42±7 ft-lb)

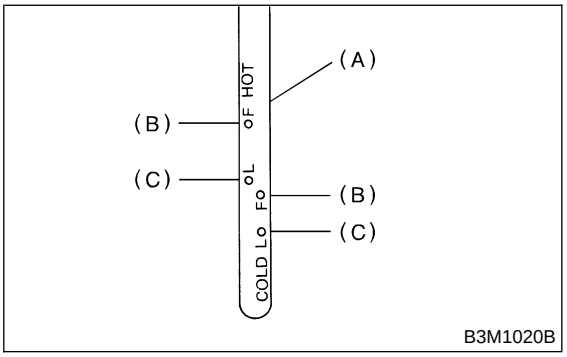


10) Install air cleaner duct and case.
11) Fill ATF up to the middle of the “COLD” side on level gauge by using gauge hole.

Recommended fluid:
Dexron II E or Dexron III type automatic transmission fluid

Fluid capacity:
9.3 — 9.6 ℓ (9.8 — 10.1 US qt, 8.2 — 8.4 Imp qt)

12) Run the vehicle until the ATF temperature rises from 60 to 80°C (140 to 176°F) and check the ATF level of the “HOT” side on level gauge.



(A) ATF level gauge
(B) Upper level
(C) Lower level