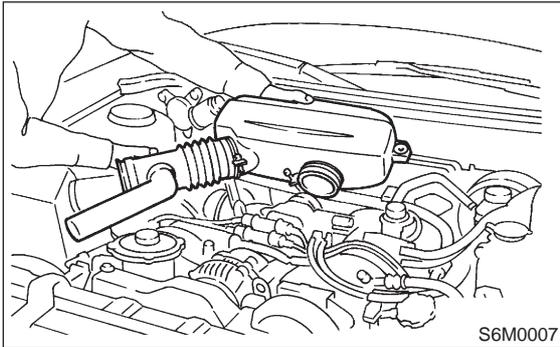


5. Duty Solenoid C and Transfer Valve Body

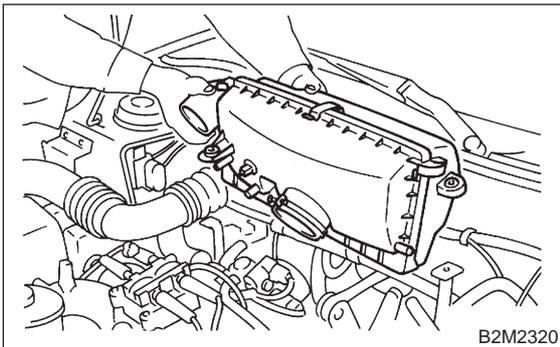
A: REMOVAL

1) Remove air intake duct and chamber. (Except 2200 cc California spec. vehicles)
<Ref. to 2-7 [W1A0].>



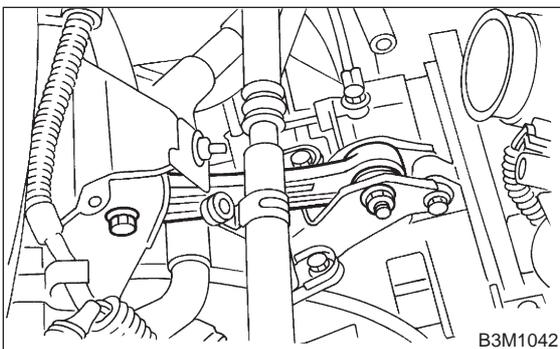
B6M0007

2) Remove air intake duct and cleaner case. (2200 cc California spec. vehicles)
<Ref. to 2-7 [W1A0].> and <Ref. to 2-7 [W18A0].>



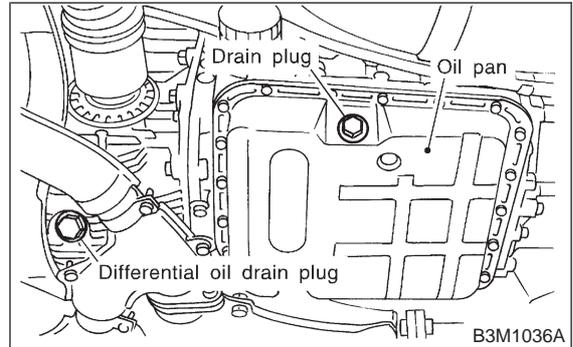
B2M2320

3) Remove pitching stopper.

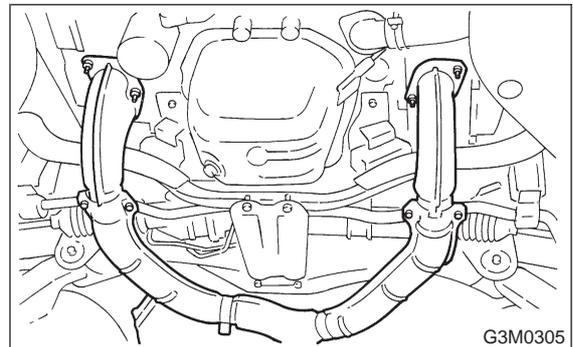


B3M1042

4) Raise vehicle and drain ATF.



5) Remove front exhaust pipe and center exhaust pipe. Disconnect oxygen sensor connector, and remove exhaust pipe.
<Ref. to 2-9 [W1A0].> and <Ref. to 2-9 [W2A0].>

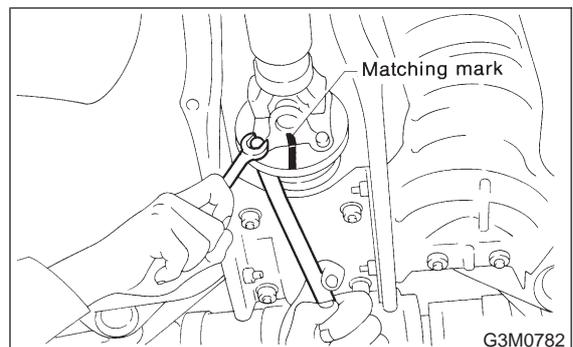


G3M0305

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

NOTE:

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



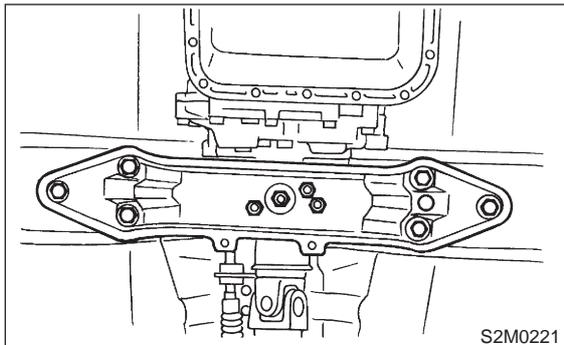
G3M0782

3-2 [W5B0]

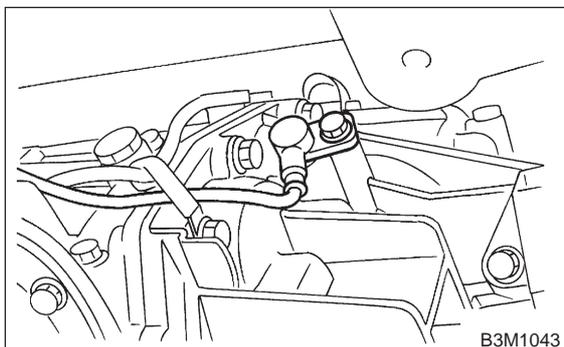
SERVICE PROCEDURE

5. Duty Solenoid C and Transfer Valve Body

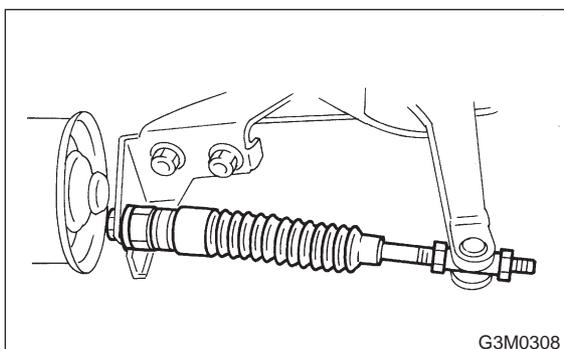
- 7) Remove rear crossmember.
(1) Support transmission using a transmission jack and raise slightly.
(2) Remove bolts and nuts as shown in Figure.



- 8) Remove vehicle speed sensor 1 (rear).



- 9) Remove extension and gasket.
(1) Remove select cable nut.

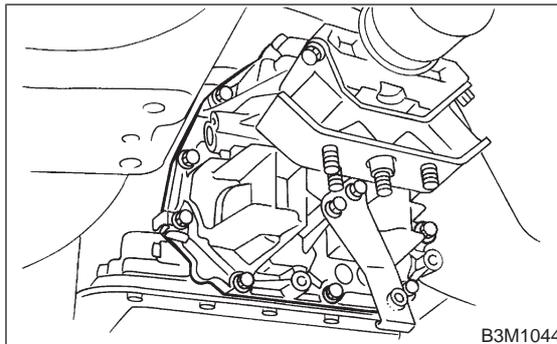


- (2) Move gear select cable so that extension bolts can be removed.
(3) Remove bolts.

- (4) Remove extension case.

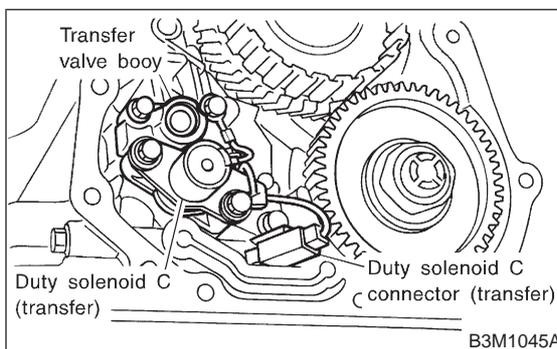
NOTE:

Use a container to catch oil flowing from extension.



- 10) Disconnect duty solenoid C (transfer) connector.

- 11) Remove duty solenoid C (transfer) and transfer valve body.



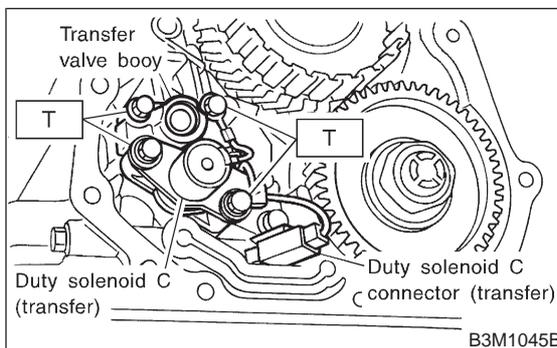
B: INSTALLATION

- 1) Install duty solenoid C and transfer valve body.
(1) Install duty solenoid C 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 duty solenoid C (transfer) connector.



- 2) Install extension case to transmission case.
 (1) Tighten 11 bolts.

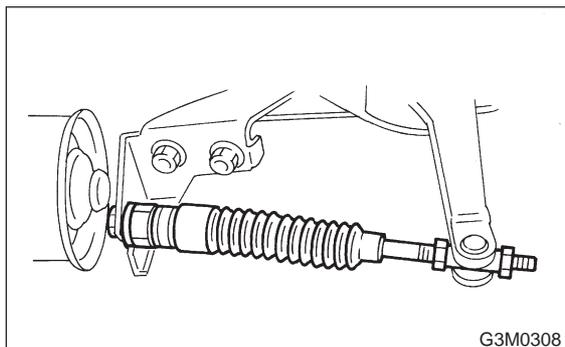
Tightening torque:

$25 \pm 2 \text{ N}\cdot\text{m}$ ($2.5 \pm 0.2 \text{ kg}\cdot\text{m}$, $18.1 \pm 1.4 \text{ ft}\cdot\text{lb}$)

- (2) Install select cable.

Tightening torque:

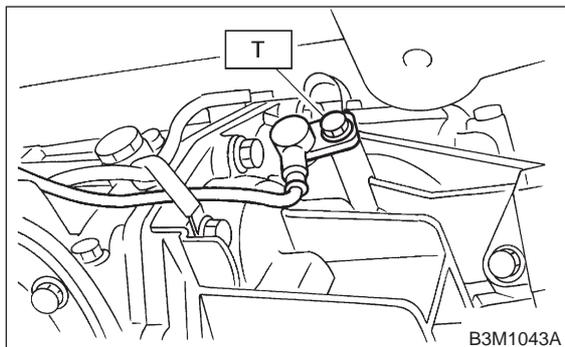
$14 \pm 4 \text{ N}\cdot\text{m}$ ($1.4 \pm 0.4 \text{ kg}\cdot\text{m}$, $10.1 \pm 2.9 \text{ ft}\cdot\text{lb}$)



- 3) Install vehicle speed sensor 1 (rear).

Tightening torque:

$T: 7 \pm 1 \text{ N}\cdot\text{m}$ ($0.7 \pm 0.1 \text{ kg}\cdot\text{m}$, $5.1 \pm 0.7 \text{ ft}\cdot\text{lb}$)



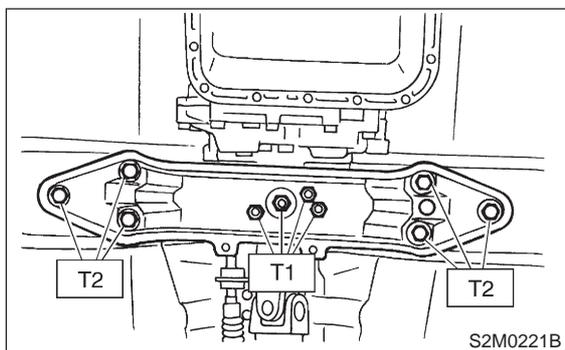
- 4) Install rear crossmember.

- (1) Tighten bolts.

Tightening torque:

$T1: 37 \pm 10 \text{ N}\cdot\text{m}$ ($3.8 \pm 1.0 \text{ kg}\cdot\text{m}$, $27 \pm 7 \text{ ft}\cdot\text{lb}$)

$T2: 69 \pm 15 \text{ N}\cdot\text{m}$ ($7.0 \pm 1.5 \text{ kg}\cdot\text{m}$, $51 \pm 11 \text{ ft}\cdot\text{lb}$)



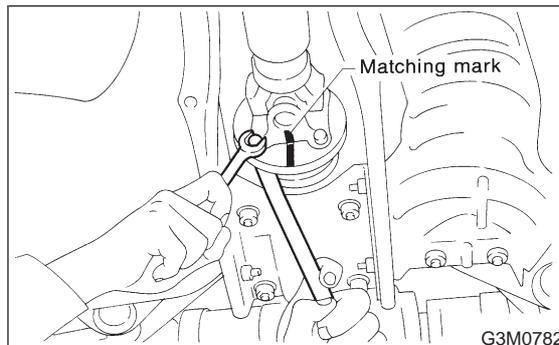
- (2) Lower and remove transmission jack.

- 5) Install propeller shaft.

<Ref. to 3-2 [W1E0].>

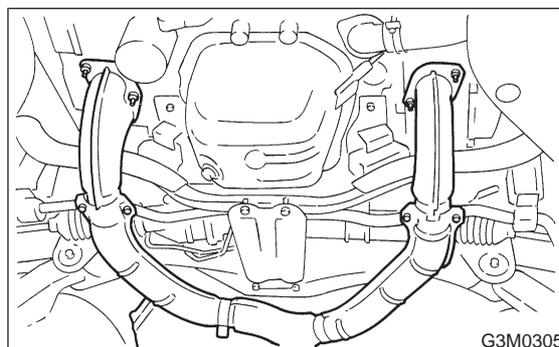
NOTE:

Align matching marks on propeller shaft and rear differential coupling.



- 6) Install front exhaust pipe and center exhaust pipe.

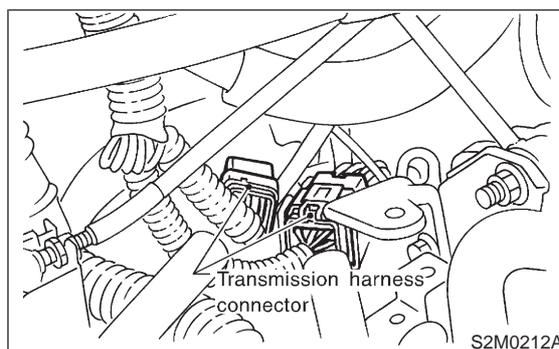
<Ref. to 2-9 [W1A0].> and <Ref. to 2-9 [W2A0].>



- 7) Lower and remove jack.

- 8) Connect the following parts:

- (1) Oxygen sensor connector
 (2) Transmission harness connector

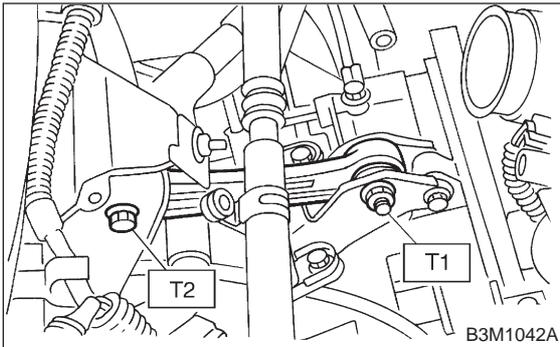


9) Install pitching stopper.

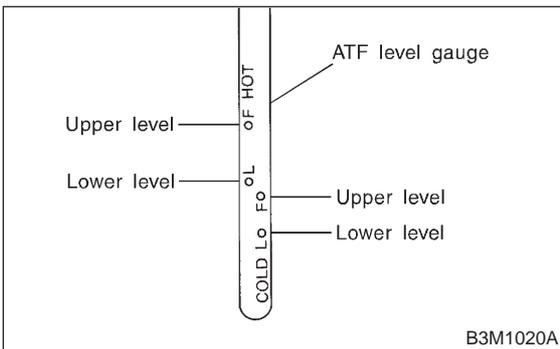
Tightening torque:

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) Replenish ATF and check oil level. Check for leaks.



6. Road Test

A: INSPECTION

1. GENERAL PRECAUTION

Road tests should be conducted to properly diagnose the condition of the automatic transmission.

CAUTION:

When performing test, do not exceed posted speed limit.

2. SHIFT PATTERNS

Check "kick-down".

D range: 1st ← 2nd ← 3rd ← 4th

3 range: 1st ← 2nd ← 3rd ← 4th

2 range: 2nd ← 3rd ← 4th

1 range: 1st ← 2nd ← 3rd ← 4th

AWD model "D" range (Normal pattern)

