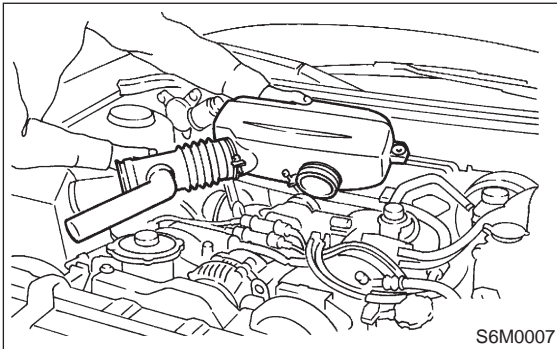


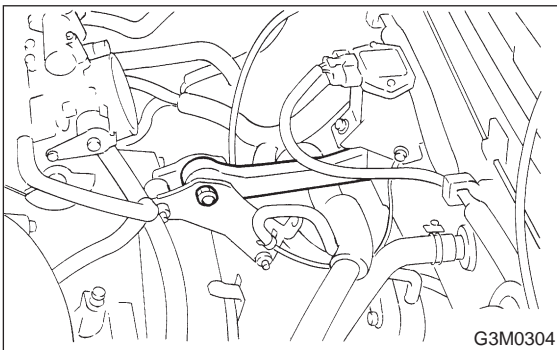
## 6. Duty Solenoid C and Transfer Valve Body

### A: REMOVAL

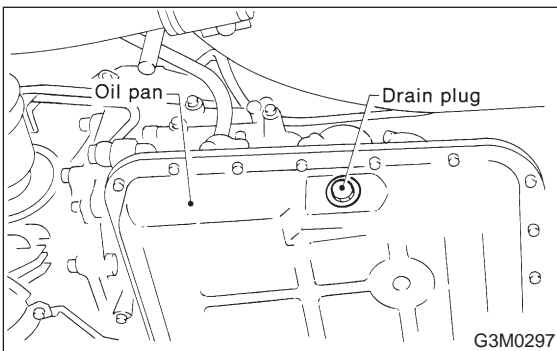
- 1) Remove air intake duct and chamber.



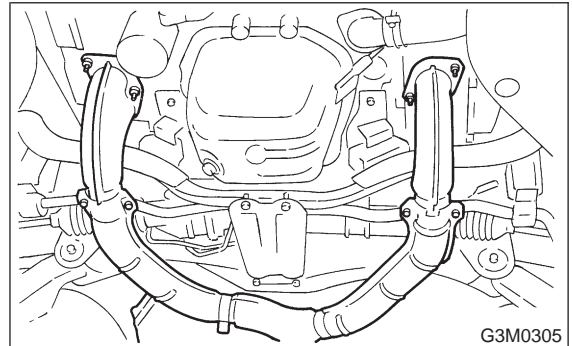
- 2) Remove pitching stopper.



- 3) Raise vehicle and drain ATF.



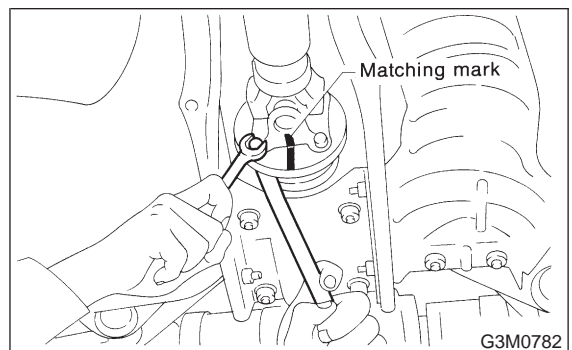
- 4) Remove front exhaust pipe.  
Disconnect oxygen sensor connector, and remove exhaust pipe.



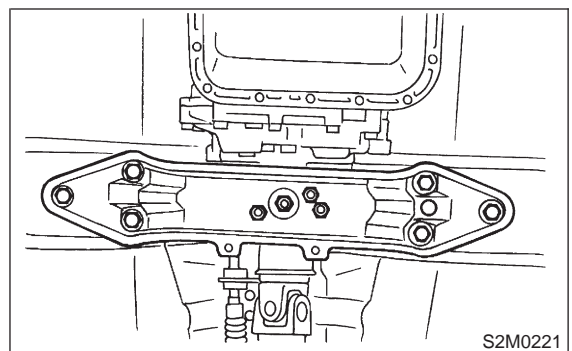
- 5) Remove propeller shaft.

**NOTE:**

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

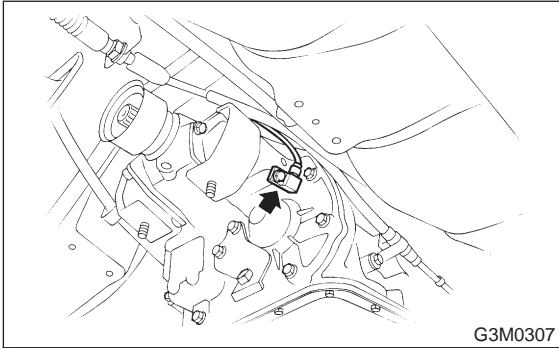


- 6) Remove rear crossmember.  
(1) Support transmission using a transmission jack and raise slightly.  
(2) Remove bolts and nuts as shown in Figure.

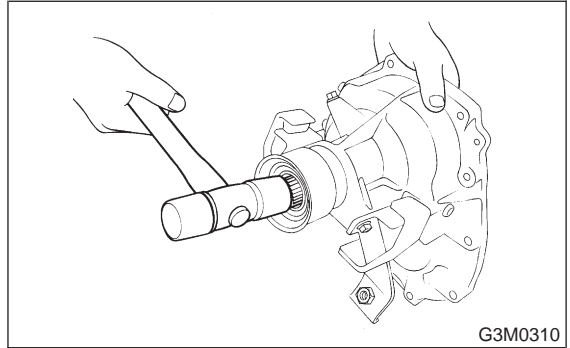


6. Duty Solenoid C and Transfer Valve Body

7) Remove vehicle speed sensor 1.

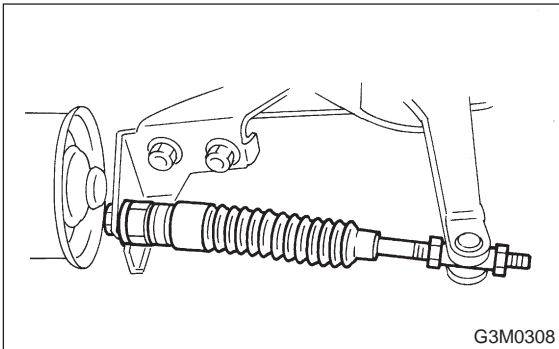


(1) Remove transfer clutch drum.



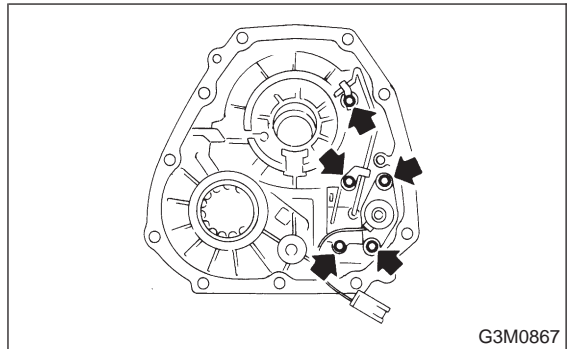
8) Remove extension and gasket.

(1) Remove gear select cable nut.



(2) Remove clamp which secures pipe.

(3) Remove bolts.



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

(3) Remove bolts.

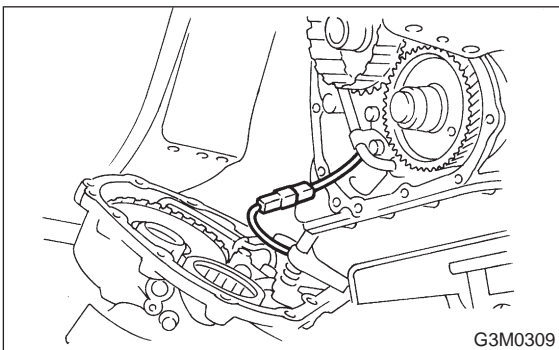
(4) Remove extension and disconnect duty solenoid C connector.

**CAUTION:**

Do not force extension back before disconnecting solenoid connector. Otherwise, harness may be damaged.

**NOTE:**

Use a container to catch oil flowing from extension.



**B: INSTALLATION**

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

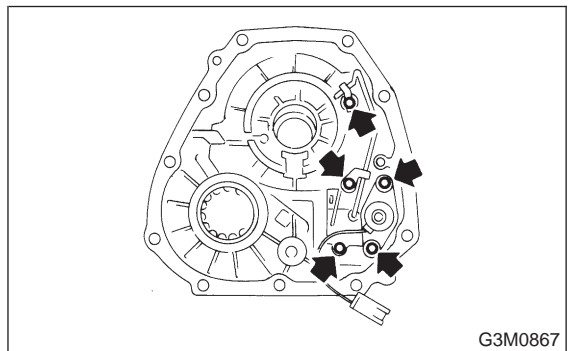
**Tightening torque:**

$8 \pm 1 \text{ N}\cdot\text{m}$  ( $0.8 \pm 0.1 \text{ kg}\cdot\text{m}$ ,  $5.8 \pm 0.7 \text{ ft}\cdot\text{lb}$ )

(2) Install pipe and clamp.

**Tightening torque:**

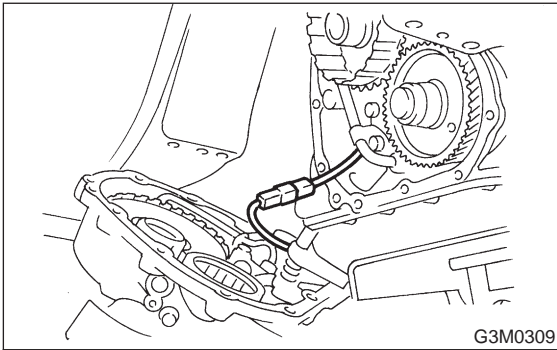
$8 \pm 1 \text{ N}\cdot\text{m}$  ( $0.8 \pm 0.1 \text{ kg}\cdot\text{m}$ ,  $5.8 \pm 0.7 \text{ ft}\cdot\text{lb}$ )



9) Remove duty solenoid C and transfer valve body from extension.

(3) Install clutch drum.  
2) Install extension.

(1) Connect connector.



(2) Tighten 11 bolts.

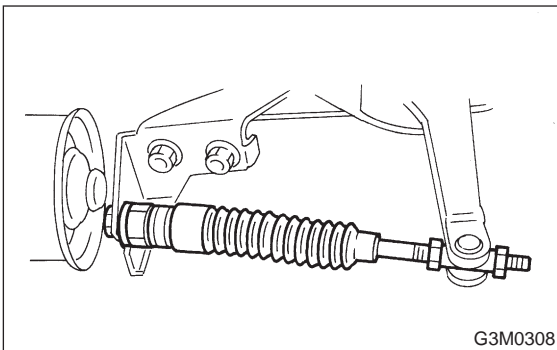
**Tightening torque:**

**25±2 N-m (2.5±0.2 kg-m, 18.1±1.4 ft-lb)**

(3) Install gear select cable.

**Tightening torque:**

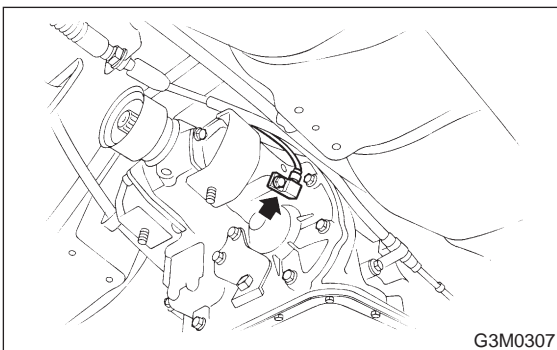
**14±4 N-m (1.4±0.4 kg-m, 10.1±2.9 ft-lb)**



3) Install vehicle speed sensor 1.

**Tightening torque:**

**7±1 N-m (0.7±0.1 kg-m, 5.1±0.7 ft-lb)**



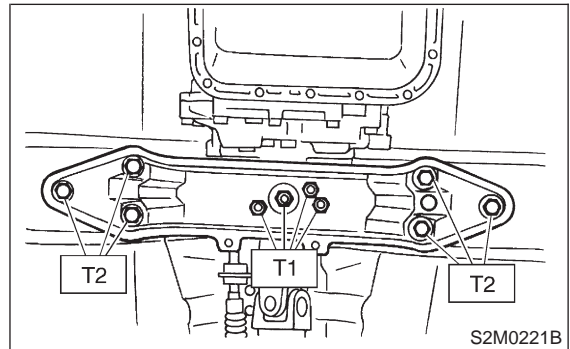
4) Install rear crossmember.

(1) Tighten bolts.

**Tightening torque:**

**T1: 37±10 N-m (3.8±1.0 kg-m, 27±7 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.

**NOTE:**

Align matching marks on propeller shaft and rear differential coupling.

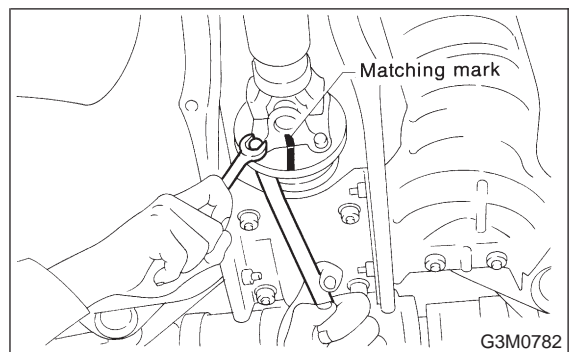
**Tightening torque:**

**At rear differential**

**31±8 N-m (3.2±0.8 kg-m, 23.1±5.8 ft-lb)**

**At center bearing**

**52±5 N-m (5.3±0.5 kg-m, 38.3±3.6 ft-lb)**



### 3-2 [W6B0]

## SERVICE PROCEDURE

### 6. Duty Solenoid C and Transfer Valve Body

6) Install front exhaust pipe.

#### Tightening torque:

##### At engine

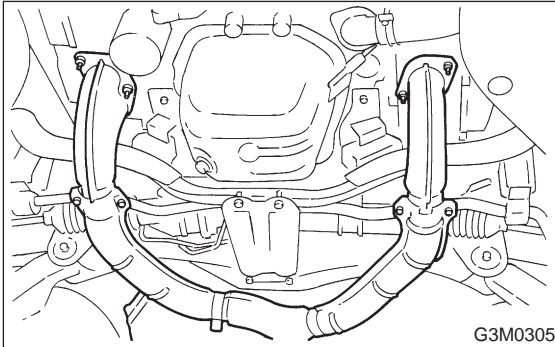
$30 \pm 5 \text{ N}\cdot\text{m}$  ( $3.1 \pm 0.5 \text{ kg}\cdot\text{m}$ ,  $22.4 \pm 3.6 \text{ ft}\cdot\text{lb}$ )

##### At hanger

$35 \pm 5 \text{ N}\cdot\text{m}$  ( $3.6 \pm 0.5 \text{ kg}\cdot\text{m}$ ,  $26.0 \pm 3.6 \text{ ft}\cdot\text{lb}$ )

##### At front and rear connections

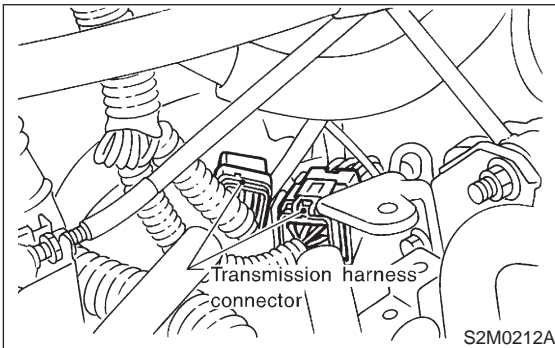
$18 \pm 5 \text{ N}\cdot\text{m}$  ( $1.8 \pm 0.5 \text{ kg}\cdot\text{m}$ ,  $13.0 \pm 3.6 \text{ ft}\cdot\text{lb}$ )



7) Lower and remove jack.

8) Connect the following parts:

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



9) Install pitching stopper.

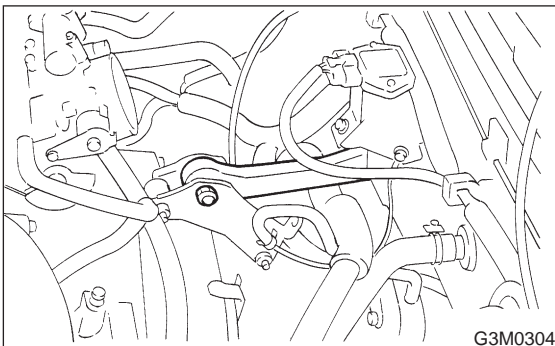
#### Tightening torque:

##### Body side

$57 \pm 10 \text{ N}\cdot\text{m}$  ( $5.8 \pm 1.0 \text{ kg}\cdot\text{m}$ ,  $42 \pm 7 \text{ ft}\cdot\text{lb}$ )

##### Engine side

$49 \pm 5 \text{ N}\cdot\text{m}$  ( $5.0 \pm 0.5 \text{ kg}\cdot\text{m}$ ,  $36.2 \pm 3.6 \text{ ft}\cdot\text{lb}$ )



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

