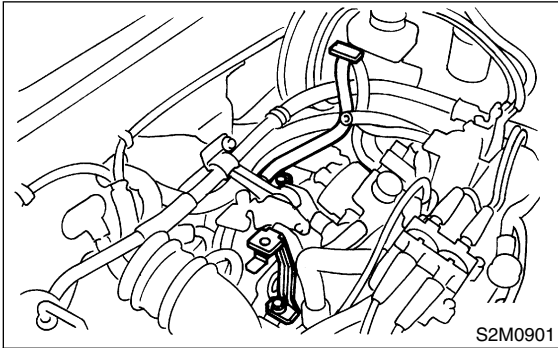


9. Automatic Transmission Assembly S502207

A: REMOVAL S502207A18

- 1) Set the vehicle on the lift.
- 2) Open front hood fully, and support with stay.
- 3) Disconnect battery ground cable.
- 4) Remove air intake duct. <Ref. to IN-7, REMOVAL, Air Intake Duct.> or <Ref. to IN(H6)-7, REMOVAL, Air Intake Duct.>
- 5) Remove air cleaner case or air intake chamber. <Ref. to IN-6, Air Cleaner Case.> or <Ref. to IN(H6)-6, REMOVAL, Air Intake Chamber.>
- 6) Remove air cleaner case stay.



- 7) Remove front, center, rear exhaust pipe and muffler.

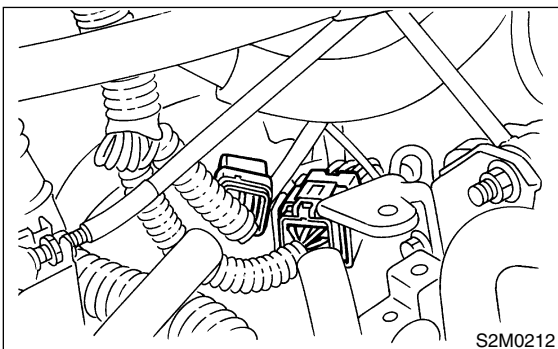
2.5 L model

<Ref. to EX-5, REMOVAL, Front Exhaust Pipe.>, <Ref. to EX-9, REMOVAL, Rear Exhaust Pipe.> and <Ref. to EX-10, REMOVAL, Muffler.>

3.0 L model

<Ref. to EX(H6)-5, REMOVAL, Front Exhaust Pipe.>, <Ref. to EX(H6)-8, REMOVAL, Rear Exhaust Pipe.> and <Ref. to EX(H6)-9, REMOVAL, Muffler.>

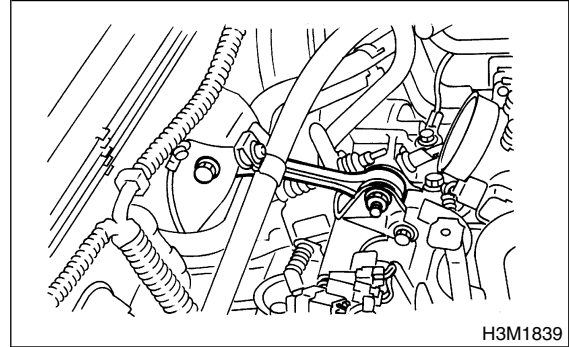
- 8) Disconnect the following connectors.
 - (1) Transmission harness connector



- (2) Transmission ground terminal

- 9) Remove starter. <Ref. to SC-7, REMOVAL, Starter.>

- 10) Remove pitching stopper.



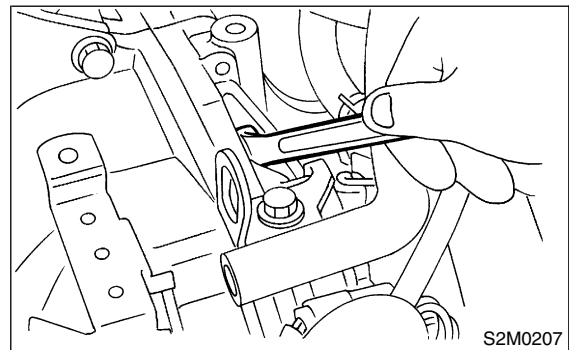
- 11) Separate torque converter clutch from drive plate.

- (1) Remove service hole plug.
- (2) Remove bolts which hold torque converter clutch to drive plate.
- (3) While rotating the engine, remove other bolts using ST.

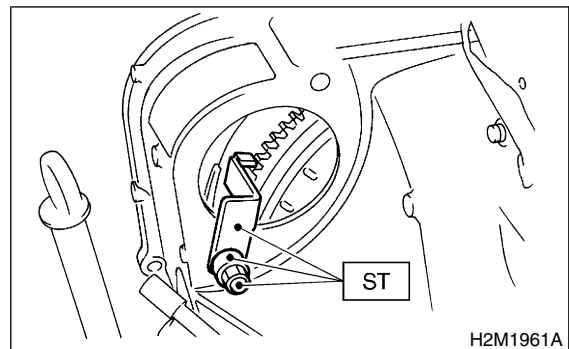
NOTE:

Be careful not to drop bolts into torque converter clutch housing.

ST 499977100 CRANK PULLEY WRENCH



- 12) Install ST to torque converter clutch case. ST 498277200 STOPPER SET



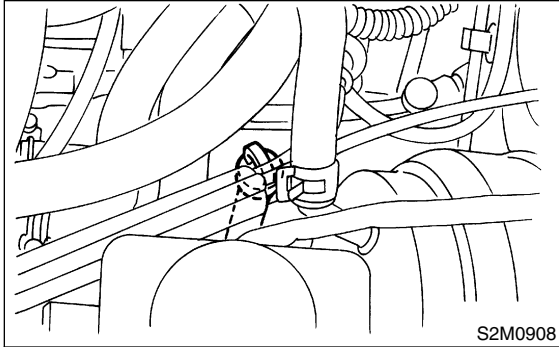
AUTOMATIC TRANSMISSION ASSEMBLY

Automatic Transmission

13) Remove ATF level gauge.

NOTE:

Plug opening to prevent entry of foreign particles into transmission fluid.

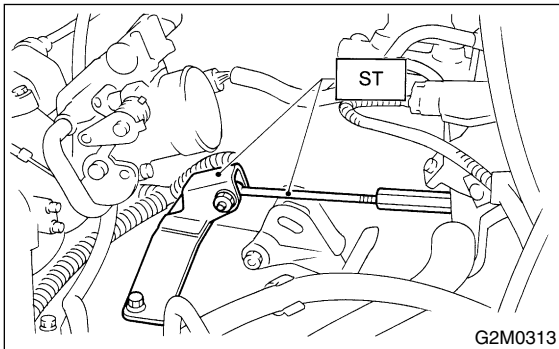


14) Set ST.

NOTE:

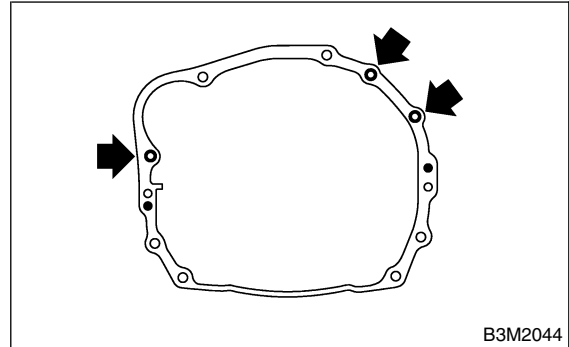
Part No. 41099AA010 is also available.

ST 41099AA020 ENGINE SUPPORT ASSY

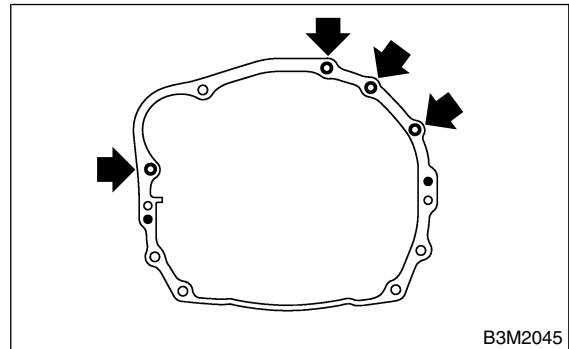


15) Remove bolt which holds right upper side of transmission to engine.

2.5 L model



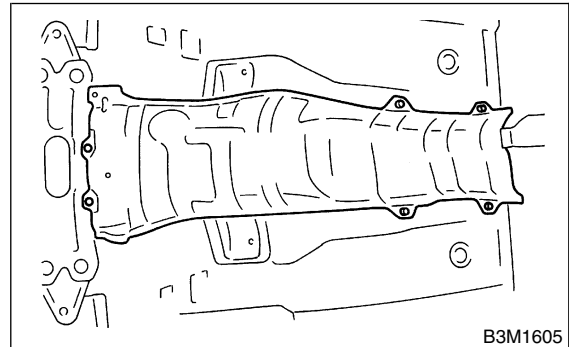
3.0 L model



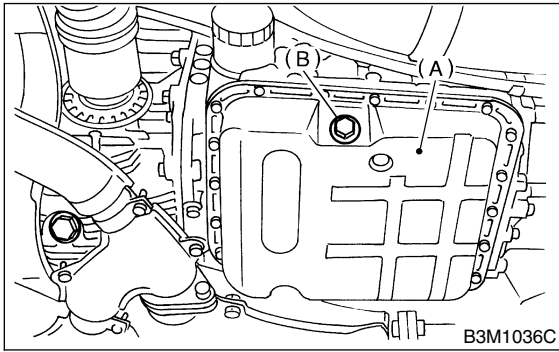
16) Lift-up the vehicle.

17) Remove under cover.

18) Remove heat shield cover.

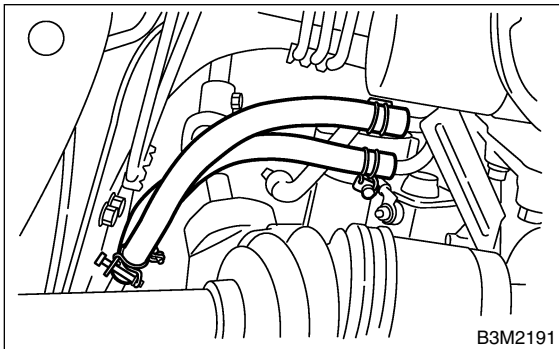


19) Drain ATF to remove ATF drain plug.

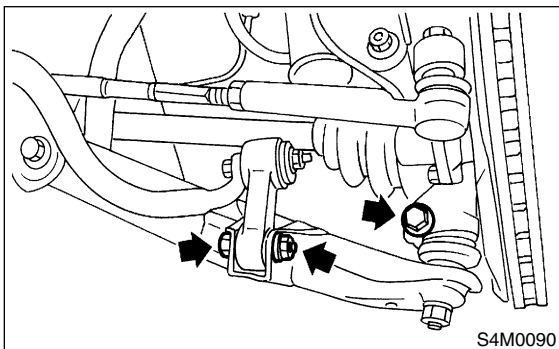


- (A) Oil pan
- (B) Drain plug

20) Disconnect ATF cooler hoses from pipes of transmission side, and remove ATF level gauge guide.

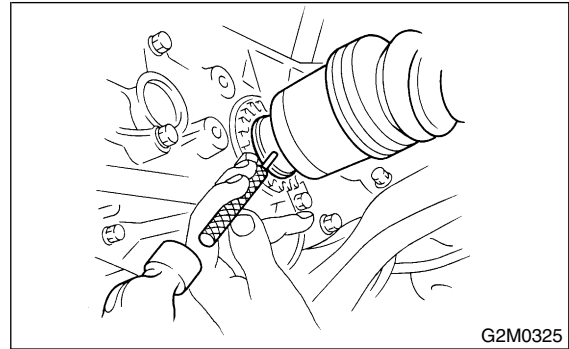


- 21) Remove propeller shaft. <Ref. to DS-13, REMOVAL, Propeller Shaft.>
- 22) Remove shift select cable. <Ref. to CS-26, REMOVAL, Select Cable.>
- 23) Disconnect stabilizer link from transverse link.
- 24) Remove bolt securing ball joint of transverse link to housing.



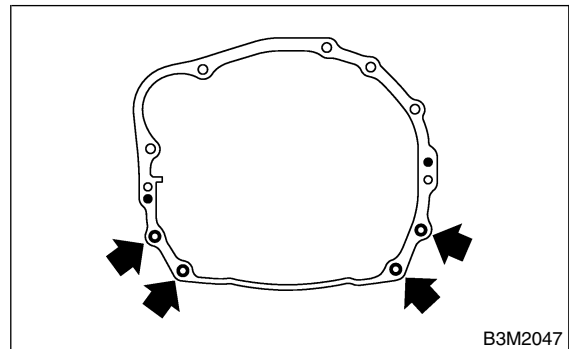
25) Remove spring pins and separate front drive shafts from each side of the transmission.

NOTE:
Do not reuse spring pin. Prepare a new spring pin.

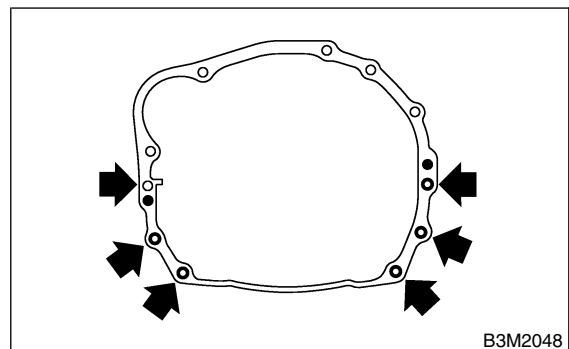


26) Remove nuts which hold lower side of transmission to engine.

2.5 L model



3.0 L model



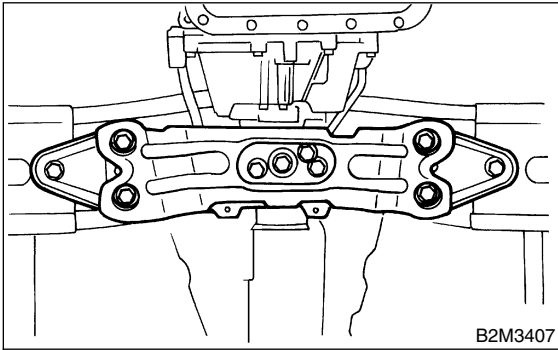
27) Place transmission jack under transmission.

NOTE:
● Make sure that the support plates of transmission jack don't touch the oil pan.

AUTOMATIC TRANSMISSION ASSEMBLY

Automatic Transmission

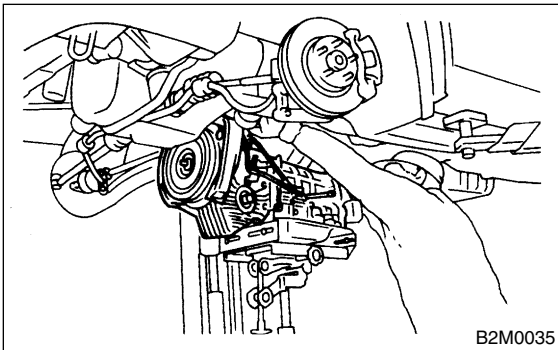
28) Remove transmission rear crossmember from vehicle.



29) Remove transmission.

CAUTION:

Move transmission and torque converter as a unit away from engine.



30) Separate transmission assembly and rear cushion rubber.

B: INSTALLATION

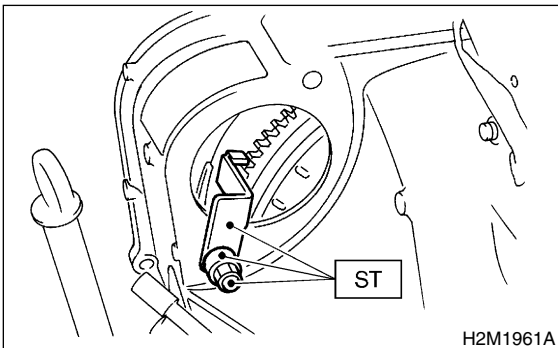
S502207A11

1) Install rear cushion rubber to transmission assembly.

Tightening torque:

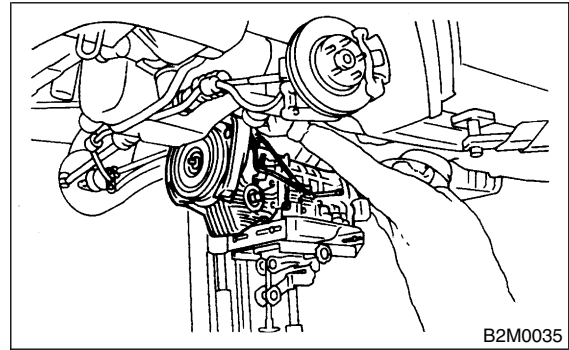
39 N·m (4.0 kgf·m, 29 ft·lb)

2) Install ST to torque converter clutch case.
ST 498277200 STOPPER SET



3) Install transmission onto engine.

(1) Gradually raise transmission with transmission jack.



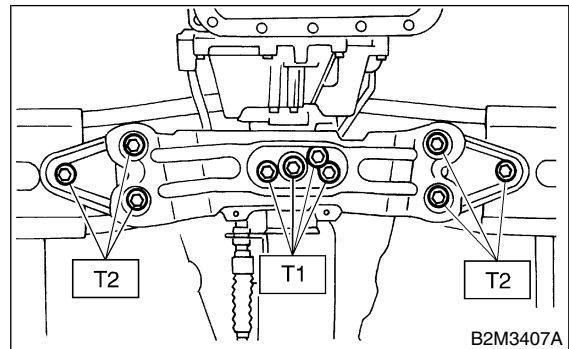
(2) Engage them at splines.

4) Install transmission rear crossmember.

Tightening torque:

T1: 35 N·m (3.6 kgf·m, 26 ft·lb)

T2: 75 N·m (7.6 kgf·m, 55 ft·lb)

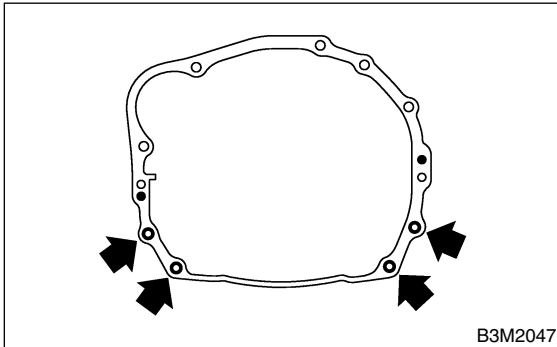


5) Take off transmission jack.

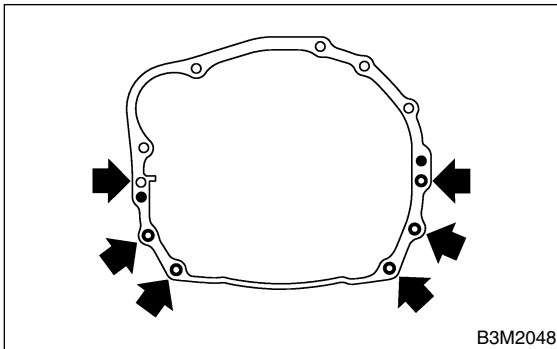
6) Tighten nuts and bolts which hold lower side of transmission to engine.

Tightening torque:
50 N-m (5.1 kgf-m, 36.9 ft-lb)

2.5 L model



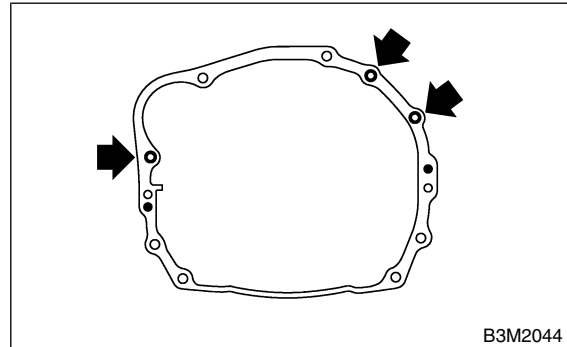
3.0 L model



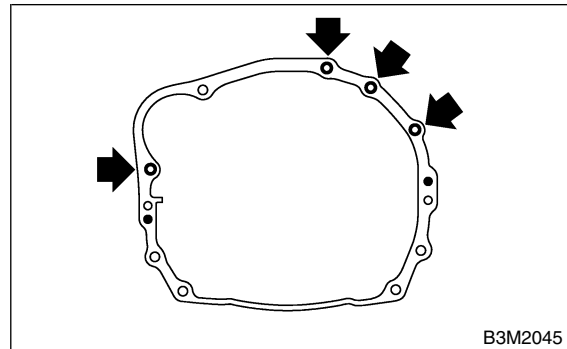
(3) Tighten bolt which holds right upper side of transmission to engine.

Tightening torque:
50 N-m (5.1 kgf-m, 36.9 ft-lb)

2.5 L model



3.0 L model



- 7) Lower the vehicle.
- 8) Connect engine and transmission.
 - (1) Remove ST from torque converter clutch case.

NOTE:
 Be careful not to drop the ST into the torque converter clutch case when removing ST.

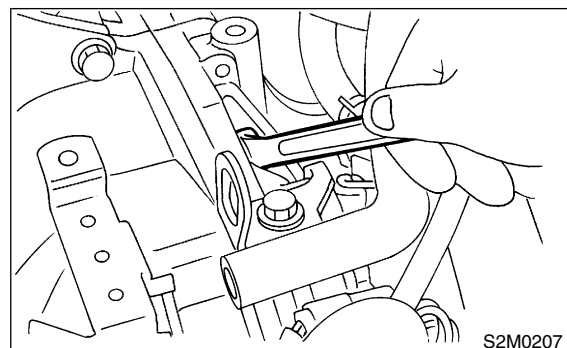
ST 498277200 STOPPER SET
 (2) Install starter.
 <Ref. to SC-7, INSTALLATION, Starter.>

- 9) Install torque converter clutch to drive plate.
 - (1) Tighten bolts which hold torque converter clutch to drive plate.
 - (2) Tighten other bolts while rotating the engine by using ST.

NOTE:
 Be careful not to drop bolts into torque converter clutch housing.

ST 499977300 CRANK PULLEY WRENCH

Tightening torque:
25 N-m (2.5 kgf-m, 18.1 ft-lb)

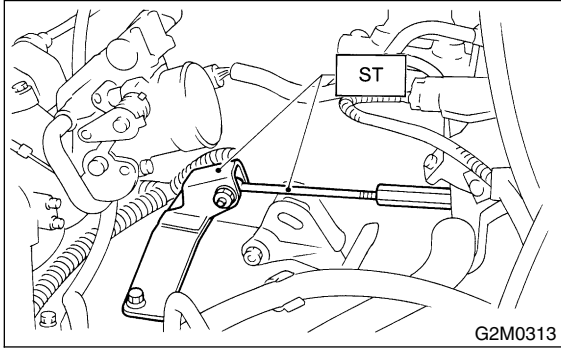


- (3) Clog plug onto service hole.

AUTOMATIC TRANSMISSION ASSEMBLY

Automatic Transmission

10) Remove ST.

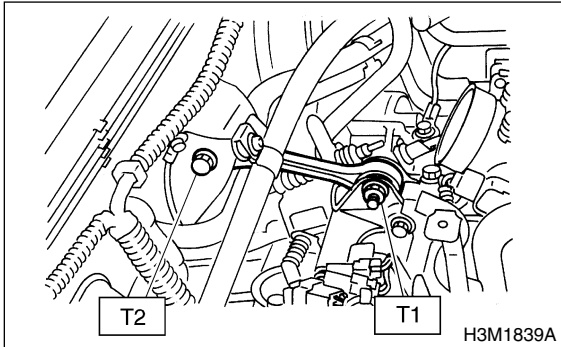


11) Install pitching stopper.

Tightening torque:

T1: 50 N·m (5.1 kgf-m, 37 ft-lb)

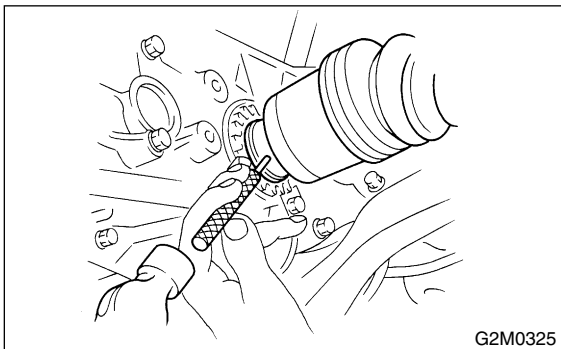
T2: 58 N·m (5.9 kgf-m, 43 ft-lb)



12) Lift-up the vehicle.

Install front drive shafts into transmission.

- (1) Lift-up the vehicle.
- (2) Install front drive shaft into transmission.
- (3) New drive spring pin into chamfered hole of drive shaft.



13) Install ball joint into housing.

14) Connect stabilizer link to transverse link, and temporarily tighten bolts.

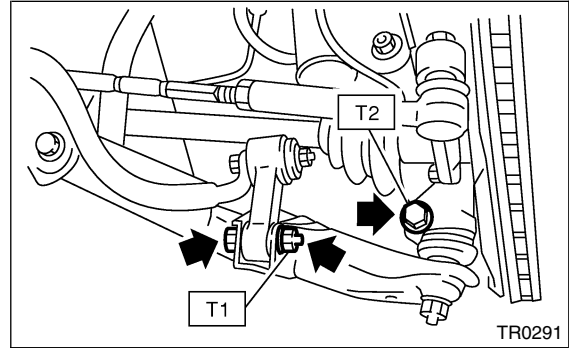
NOTE:

Discard loosened self-locking nut and replace with a new one.

Tightening torque:

T1: 30 N·m (3.1 kgf-m, 22.4 ft-lb)

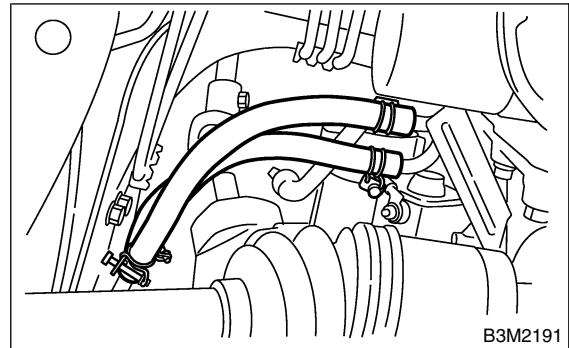
T2: 50 N·m (5.1 kgf-m, 37 ft-lb)



15) Install shift select cable onto select lever.

<Ref. to CS-27, INSTALLATION, Select Cable.>

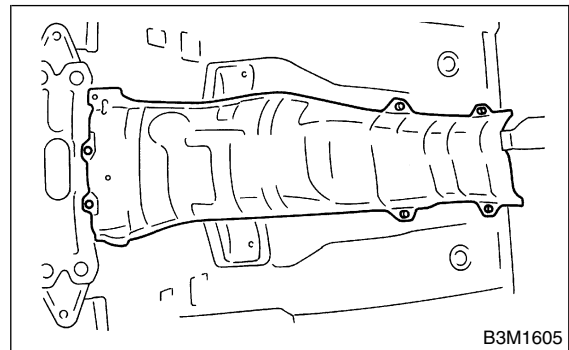
16) Install ATF level gauge guide, and connect ATF cooler hoses to pipe.



17) Install propeller shaft.

<Ref. to DS-14, INSTALLATION, Propeller Shaft.>

18) Install heat shield cover.



19) Install front, center, rear exhaust pipes and muffler.

2.5 L model

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

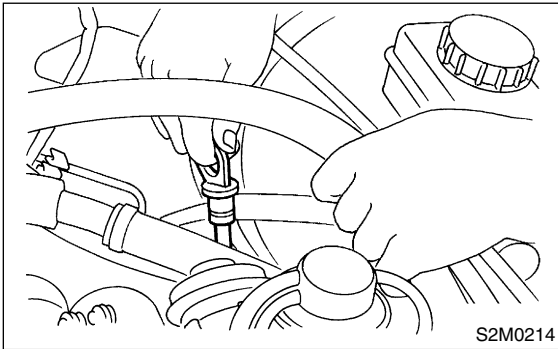
3.0 L model

<Ref. to EX(H6)-6, INSTALLATION, Front Exhaust Pipe.>, <Ref. to EX(H6)-8, INSTALLATION, Rear Exhaust Pipe.> and <Ref. to EX(H6)-9, INSTALLATION, Muffler.>

20) Install under cover.

21) Lower the vehicle.

22) Install ATF level gauge.



23) Connect the following connectors.

(1) Transmission harness connectors

(2) Transmission ground terminal

24) Install air cleaner case stay.

Tightening torque:

16 N·m (1.6 kgf·m, 11.6 ft·lb)

25) Install air cleaner case or air intake chamber.

2.5 L model

<Ref. to IN-6, INSTALLATION, Air Cleaner Case.>

3.0 L model

<Ref. to IN(H6)-6, INSTALLATION, Air Intake Chamber.>

26) Install air intake duct.

2.5 L model

<Ref. to IN-7, INSTALLATION, Air Intake Duct.>

3.0 L model

<Ref. to IN(H6)-7, INSTALLATION, Air Intake Duct.>

27) Connect battery ground cable.

28) Fill ATF up to the middle of the "COLD" side on level gauge by using the gauge hole. <Ref. to AT-9, Automatic Transmission Fluid.>

29) Take off vehicle from lift arms.

30) Check select lever operation.

<Ref. to AT-29, INSPECTION, Inhibitor Switch.>

31) Check the ATF level. <Ref. to AT-9, Automatic Transmission Fluid.>

32) Check the vehicle on the road tester.

<Ref. to AT-12, Road Test.>