

TRANSMISSION SECTION

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.

This manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

FUJI HEAVY INDUSTRIES LTD.

CONTROL SYSTEMS CS

AUTOMATIC TRANSMISSION AT

MANUAL TRANSMISSION AND DIFFERENTIAL MT

CLUTCH SYSTEM CL

AUTOMATIC TRANSMISSION (DIAGNOSTICS) AT

CHASSIS SECTION

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FRONT SUSPENSION FS

REAR SUSPENSION RS

WHEEL AND TIRE SYSTEM WT

DIFFERENTIALS DI

TRANSFER CASE TC

DRIVE SHAFT SYSTEM DS

ABS ABS

BRAKE BR

PARKING BRAKE PB

**POWER ASSISTED SYSTEM
(POWER STEERING)** PS

ABS (DIAGNOSTICS) ABS

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BODY SECTION

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FUJI HEAVY INDUSTRIES LTD.

**HVAC SYSTEM
(HEATER, VENTILATOR AND A/C) AC**

AIRBAG SYSTEM AB

SEAT BELT SYSTEM SB

LIGHTING SYSTEM LI

WIPER AND WASHER SYSTEMS WW

ENTERTAINMENT ET

COMMUNICATION SYSTEM COM

GLASS/WINDOWS/MIRRORS GW

BODY STRUCTURE BS

INSTRUMENTATION/DRIVER INFO IDI

SEATS SE

SECURITY AND LOCKS SL

**SUNROOF/T-TOP/CONVERTIBLE TOP
(SUNROOF) SR**

EXTERIOR/INTERIOR TRIM EI

EXTERIOR BODY PANELS EB

CRUISE CONTROL SYSTEM CC

BODY SECTION

AIRBAG SYSTEM (DIAGNOSTICS) AB

CRUISE CONTROL SYSTEM (DIAGNOSTICS) CC

IMMOBILIZER (DIAGNOSTICS) IM

CONTROL SYSTEMS



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5. MT Drive Select Lever	19
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GENERAL DESCRIPTION

Control Systems

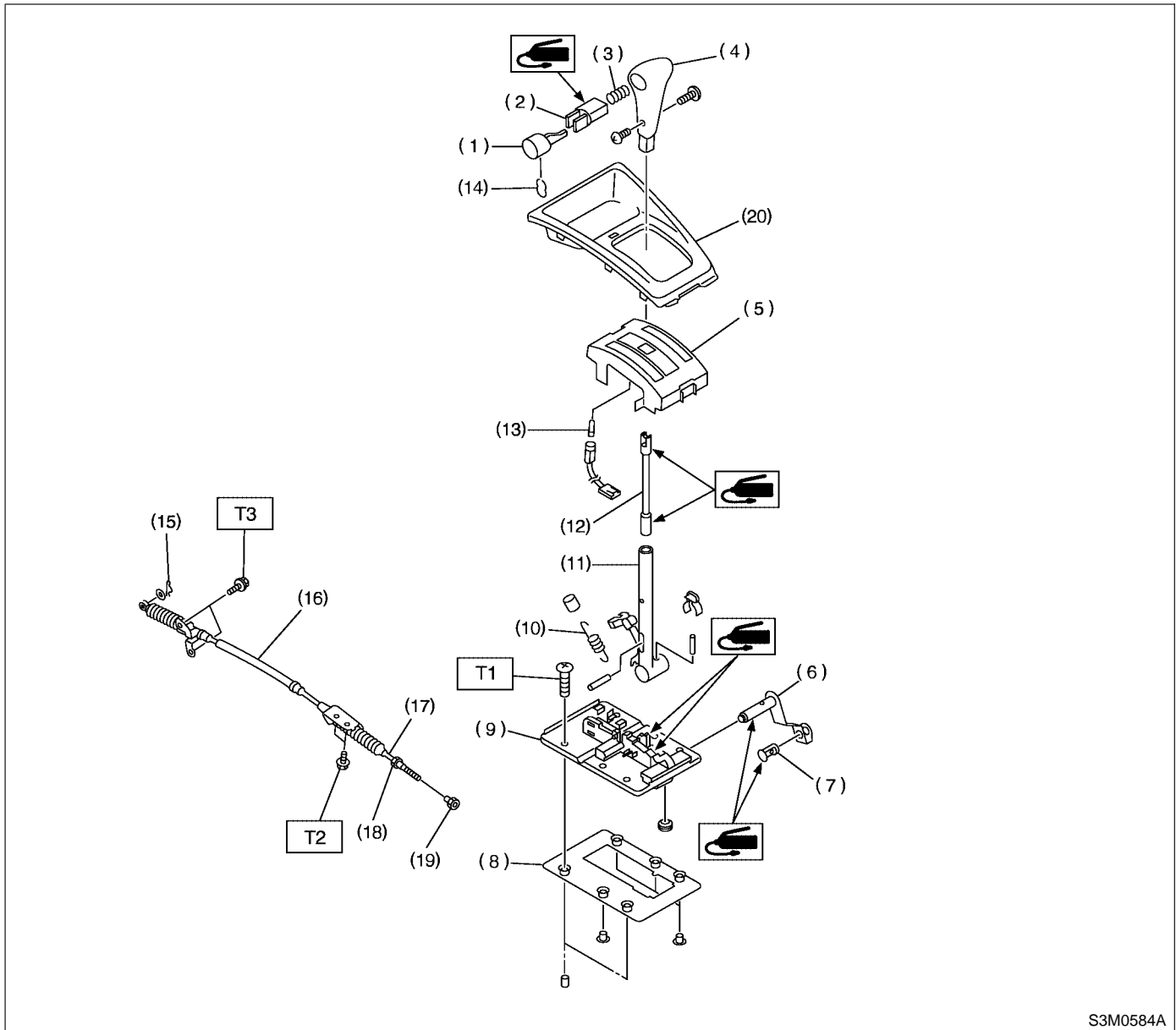
1. General Description S501001

A: SPECIFICATIONS S501001E49

Item	Specification
Vibration torque of rod against lever N·m (kgf-m, ft-lb)	0.7 (0.07, 0.5) or less

B: COMPONENT SS01001A05

1. AT SELECT LEVER SS01001A0501



S3M0584A

- (1) Button A
- (2) Button B
- (3) Spring (button)
- (4) Grip
- (5) Indicator cover
- (6) Selector lever lower
- (7) Pin
- (8) Packing
- (9) Plate

- (10) Detent spring
- (11) Selector lever upper
- (12) Rod
- (13) Indicator light bulb
- (14) Clip
- (15) Snap pin
- (16) Outer cable
- (17) Inner cable
- (18) Nut (front)

- (19) Nut (rear)
- (20) Front cover

Tightening torque: N·m (kgf·m, ft·lb)

T1: 5.9 (0.6, 4.3)

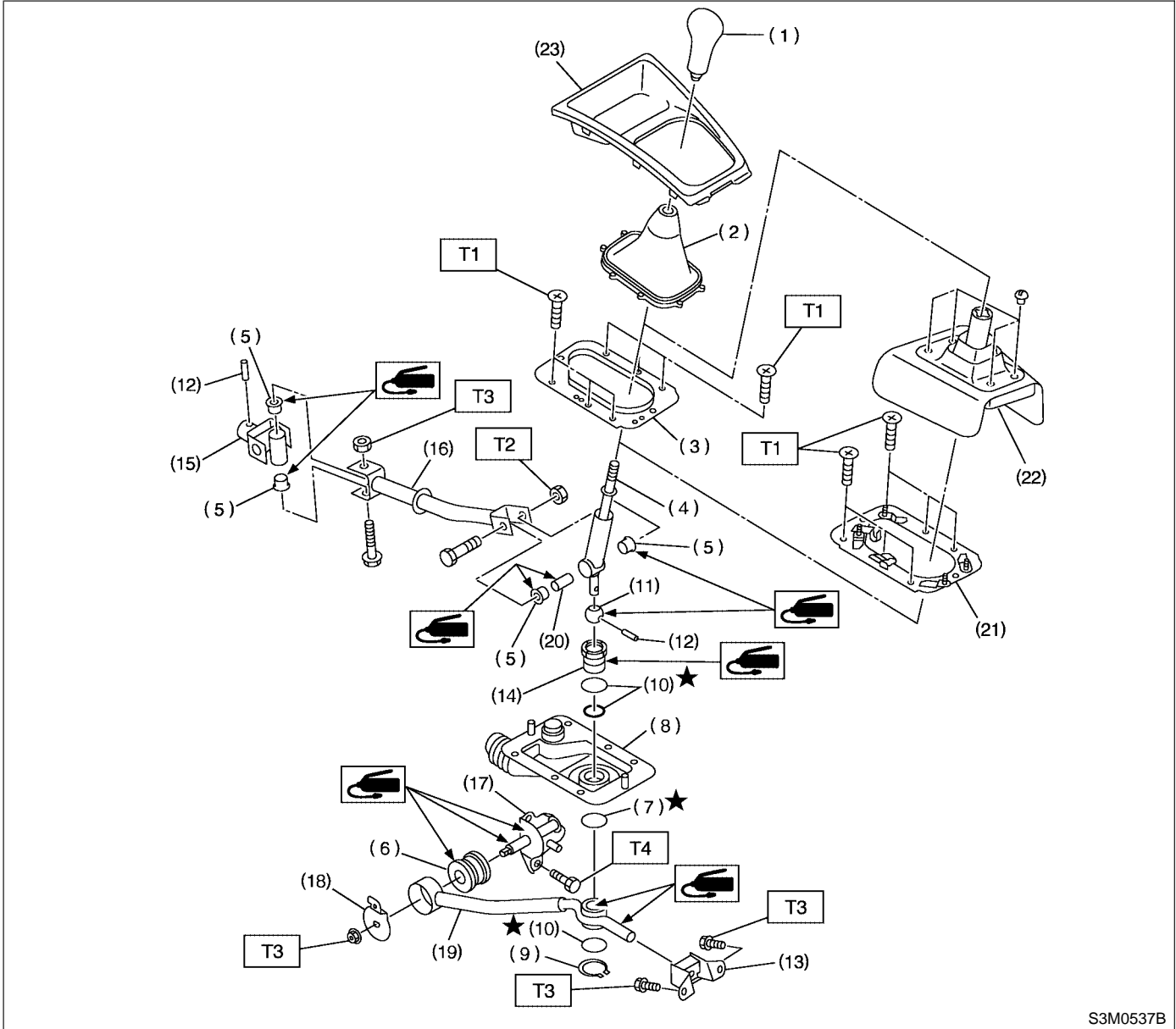
T2: 25 (2.5, 18.1)

T3: 32 (3.3, 24)

GENERAL DESCRIPTION

Control Systems

2. MT GEAR SHIFT LEVER S501001A0502



S3M0537B

- | | | |
|----------------------------------|---------------------|-------------------------------|
| (1) Gear shift knob | (11) Bush C | (21) Boot plate (Turbo model) |
| (2) Console boot | (12) Straight pin | (22) Boot and insulator |
| (3) Boot plate (Non-Turbo model) | (13) Cushion rubber | (23) Front cover |
| (4) Lever | (14) Bush D | |
| (5) Bush A | (15) Joint | |
| (6) Bush B | (16) Rod | |
| (7) Locking wire | (17) Bracket | |
| (8) Boot | (18) Washer | |
| (9) Snap ring | (19) Stay | |
| (10) O-ring | (20) Spacer | |

Tightening torque: N·m (kgf·m, ft·lb)

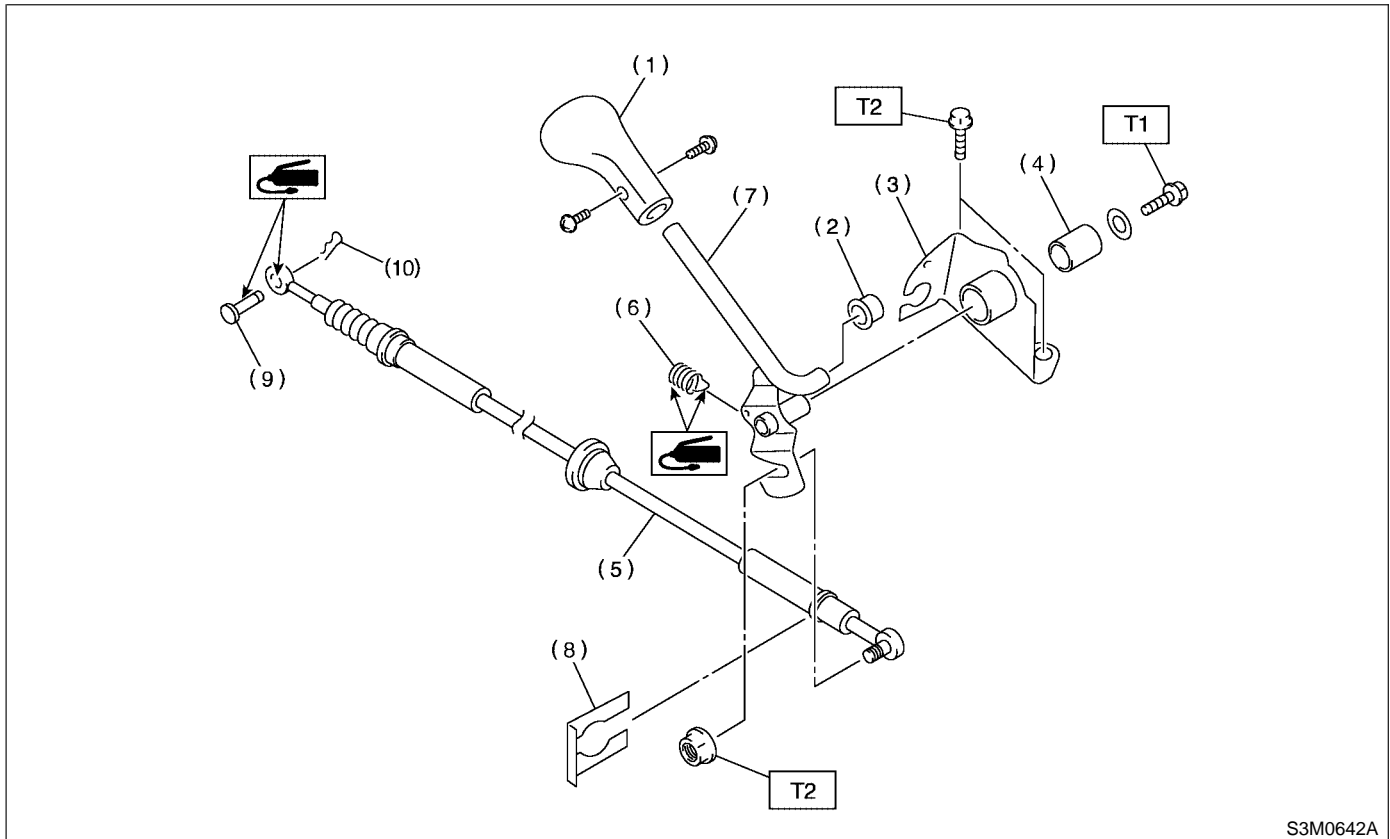
T1: 4.5 (0.46, 3.3)

T2: 11.8 (1.20, 8.7)

T3: 18 (1.8, 13.0)

T4: 24.5 (2.5, 18.1)

3. DRIVE SELECT LEVER S501001A0503



S3M0642A

- | | |
|-------------|----------------|
| (1) Knob | (6) Spring |
| (2) Cap | (7) Lever |
| (3) Plate | (8) Clamp |
| (4) Bushing | (9) Clevis pin |
| (5) Cable | (10) Snap ring |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 1.6 (0.16, 1.2)

T2: 18 (1.8, 13.0)

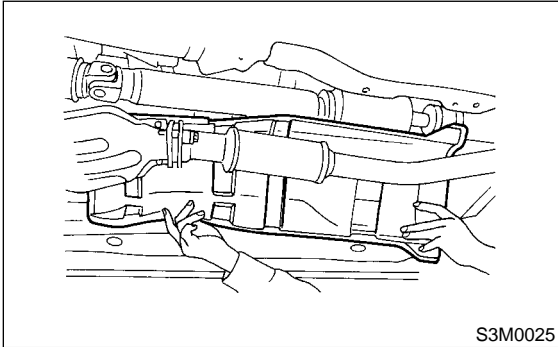
C: CAUTION SS01001A03

- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Use SUBARU genuine grease etc. or the equivalent. Do not mix grease etc. with that of another grade or from other manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Apply grease onto sliding or revolution surfaces before installation.
- Before installing O-rings or snap rings, apply sufficient amount of grease to avoid damage and deformation.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or shop cloth between the part and the vise.
- Before disconnecting electrical connectors, be sure to disconnect negative terminal from battery.

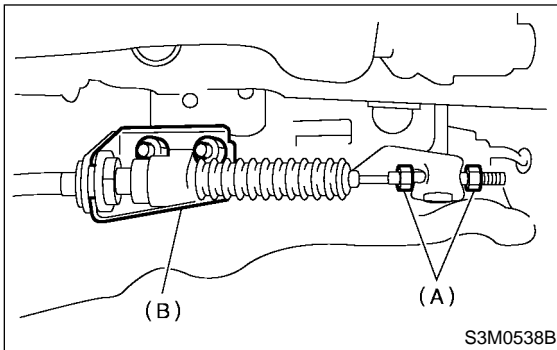
2. Select Lever S501548

A: REMOVAL S501548A18

- 1) Set vehicle on a lift.
- 2) Disconnect battery ground terminal from battery.
- 3) Move the select lever to the "N" position.
- 4) Lift-up the vehicle.
- 5) Remove heat shield cover. (Non-Turbo model)

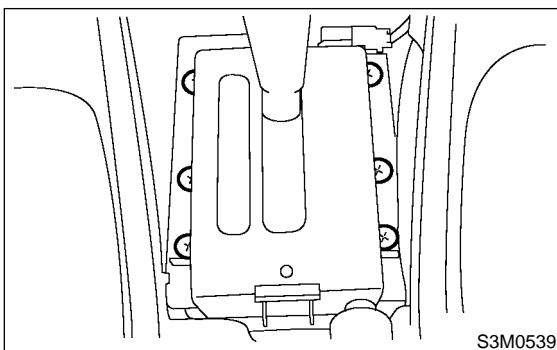


- 6) Disconnect cable from select lever and then remove cable bracket.



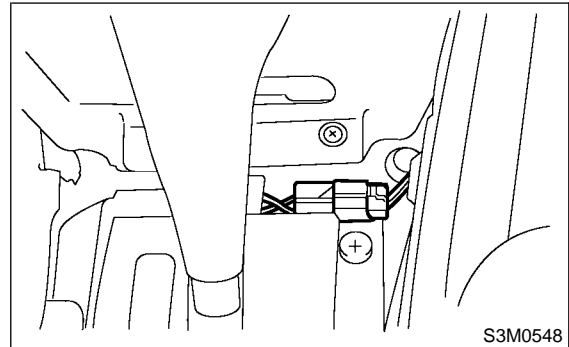
- (A) Adjusting nuts
(B) Cable bracket

- 7) Remove front cover. <Ref. to EI-30, REMOVAL, Consol Box.>
- 8) Disconnect connectors, and remove the stay.
- 9) Remove the six bolts to take out the select lever assembly from body.



B: INSTALLATION S501548A11

- 1) Install the select indicator light connector.



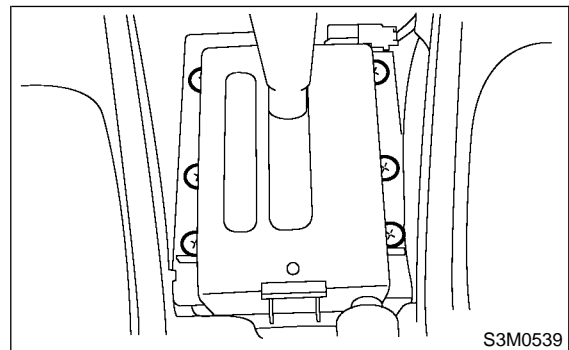
- 2) Install the select lever to vehicle.

NOTE:

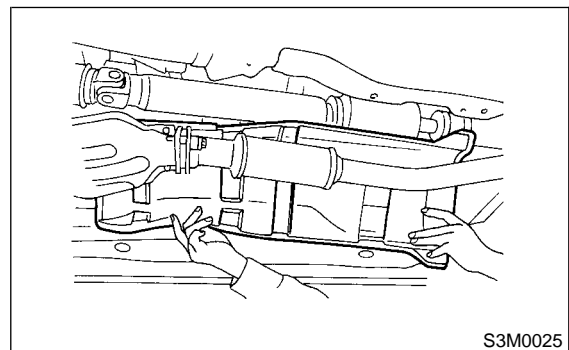
Do not allow the select lever to catch on the wiring harnesses, etc. during installation.

Tightening torque:

5.9 N·m (0.6 kgf·m, 4.3 ft·lb)



- 3) Install the front cover. <Ref. to EI-30, INSTALLATION, Console Box.>
- 4) Lift-up the vehicle.
- 5) Move the select lever to the "N" position, then adjust the select cable position. <Ref. to CS-11, ADJUSTMENT, Select Cable.>
- 6) Install heat shield cover. (Non-Turbo model)



SELECT LEVER

Control Systems

7) Inspect the following items. If the following inspection reveals problems, adjust the select cable and inhibitor switch. <Ref. to CS-11, ADJUSTMENT, Select Cable.> and <Ref. to AT-28, ADJUSTMENT, Inhibitor Switch.>

(1) The engine starts operating when select lever is in position "P" or "N", but not in other positions.

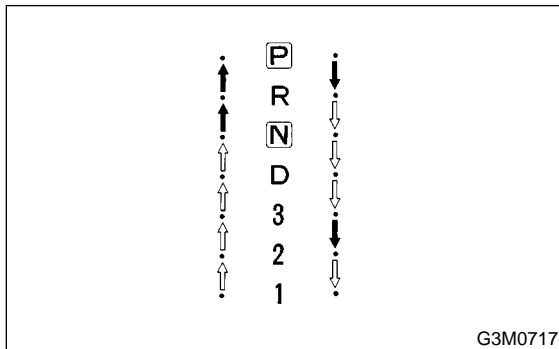
(2) The back-up light is lit when the select lever is in position "R", but not in other positions.

(3) Check select lever operation.

WARNING:

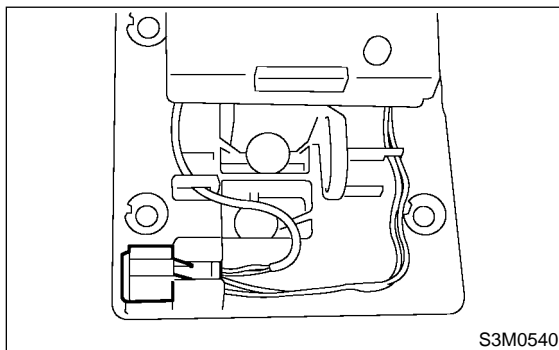
Stop the engine while checking operation of select lever.

- Check that select lever does not move from "N" to "R" without pushing the button.
- Check that select lever does not move from "R" to "P" without pushing the button.
- Check that select lever does not move from "P" to "R" without pushing the button.
- Check that select lever does not move from "3" to "2" without pushing the button.
- Check that select lever does not move from "2" to "1" without pushing the button.



C: DISASSEMBLY S50154BA06

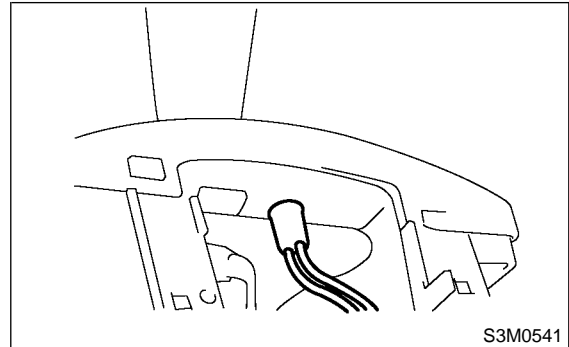
1) Remove connector from plate.



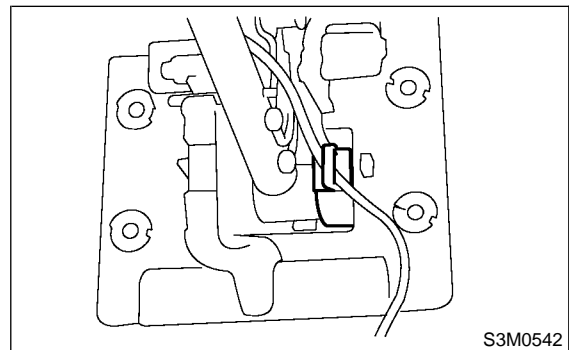
2) Remove indicator light.

NOTE:

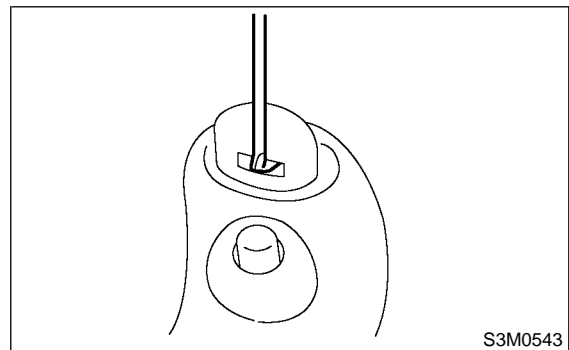
Be careful not to break the indicator light during removal.



3) Detach indicator cover from plate, and remove clip.



4) Remove clip.

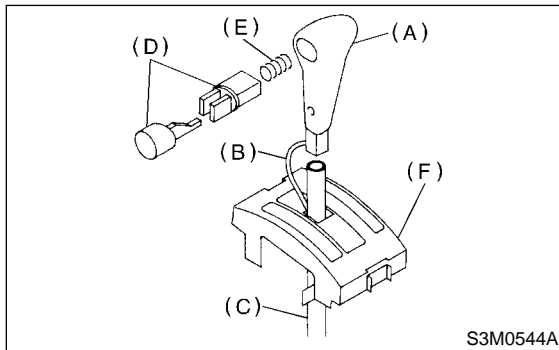


5) Remove the two screws.

6) While pressing select lever button, remove select lever grip and indicator cover from upper select lever, and then remove the select lever button and spring.

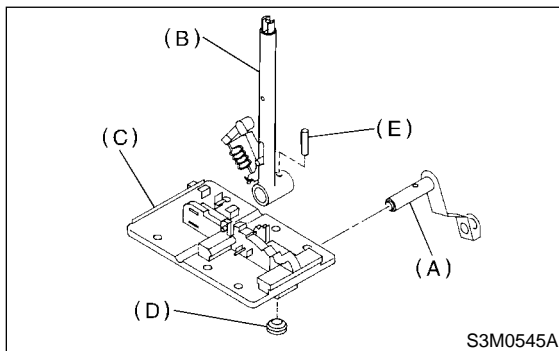
CAUTION:

Position the select lever grip carefully so that the select lever button does not jump out.



- (A) Select lever grip
- (B) Harness
- (C) Upper select lever
- (D) Button
- (E) Spring
- (F) Indicator cover

7) Remove cap and then the straight pin.
8) Remove lower select lever, and then lift upper select lever from plate.



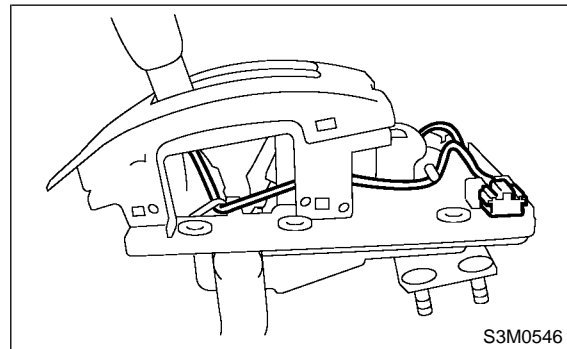
- (A) Lower select lever
- (B) Upper select lever
- (C) Plate
- (D) Cap
- (E) Straight pin

D: ASSEMBLY S501548A02

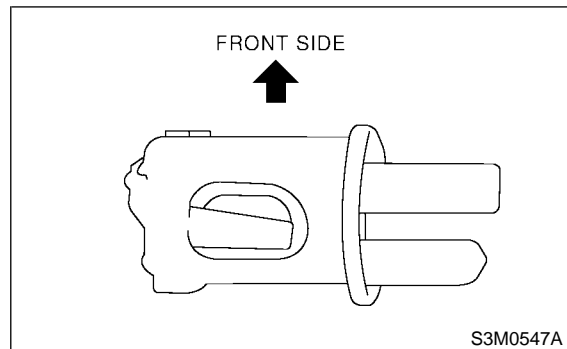
- 1) Clean all parts before assembly.
- 2) Apply grease [NIGHTIGHT LYW No. 2 or equivalent] to each parts. <Ref. to CS-3 AT SELECT LEVER, COMPONENT, General Description.>
- 3) Assembly is in the reverse order of disassembly.

NOTE:

- Install indicator cover so that harness does not interfere with select lever operation.



- Be careful to install the spring and button into the select lever grip in the correct direction.



4) After completion of fitting, transfer select lever to range "P" — "1", then check whether the indicator and select lever agree, whether the pointer and position mark agree and what the operating force is.

E: INSPECTION S501548A10

- 1) Inspect removed parts by comparing with new ones for deformation, damage and wear. Correct or replace if defective.
- 2) Make sure the following parts operate properly before assembly.
 - (1) Button in the grip: It should slide smoothly.
 - (2) Grip on the select lever: When pushing the grip on the select lever by hand, screw holes should be aligned.
 - (3) Select lever and rod: They should move smoothly.

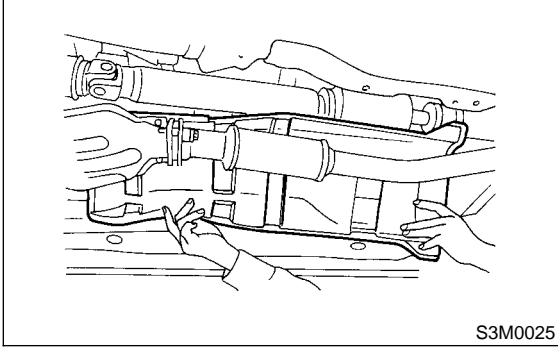
SELECT CABLE

Control Systems

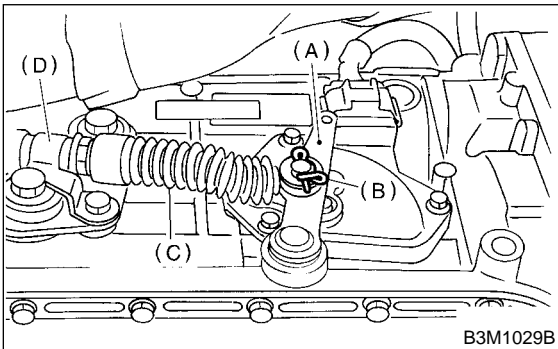
3. Select Cable S501549

A: REMOVAL S501549A18

- 1) Set vehicle on a lift.
- 2) Disconnect battery ground terminal from battery.
- 3) Prior to removal, set lever to "N" position.
- 4) Lift-up the vehicle.
- 5) Remove heat shield cover. (Non-turbo model)

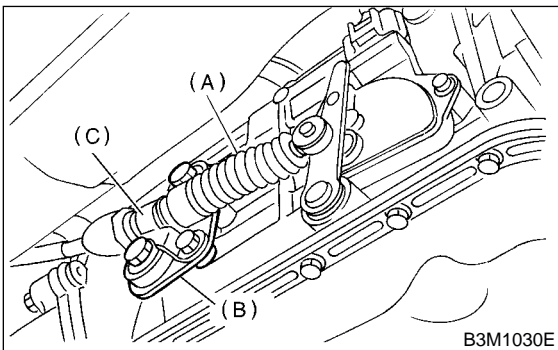


- 6) Remove snap pin from range select lever.



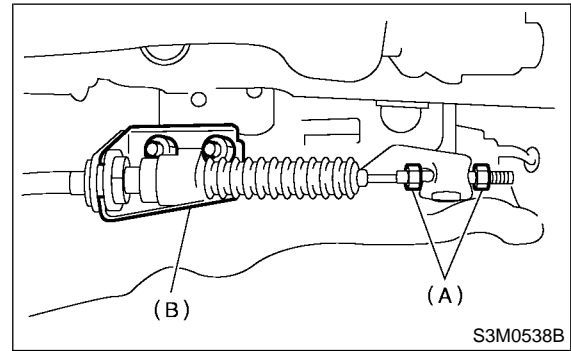
- (A) Range select lever
- (B) Snap pin
- (C) Select cable
- (D) Clamp

- 7) Remove plate assembly from transmission case.



- (A) Select cable
- (B) Plate ASSY
- (C) Clamp

- 8) Disconnect cable from select lever and then remove cable bracket.



- (A) Adjusting nuts
- (B) Cable bracket

- 9) Remove select cable from plate assembly.

B: INSTALLATION S501549A11

1) Install select cable to plate assembly.

Tightening torque:

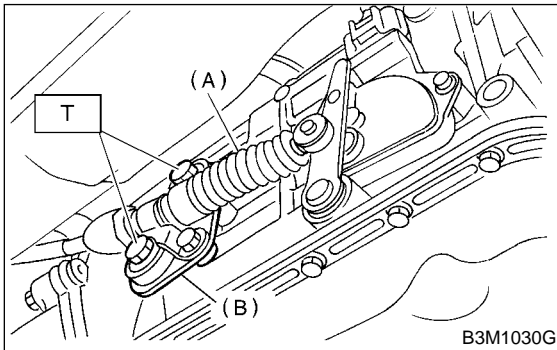
32 N·m (3.3 kgf·m, 24 ft·lb)

2) Install select cable to range select lever.

3) Install plate assembly to transmission.

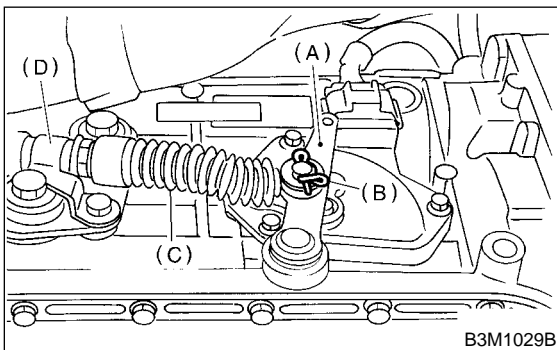
Tightening torque:

T: 24.5 N·m (2.5 kgf·m, 18.1 ft·lb)



- (A) Select cable
- (B) Plate ASSY

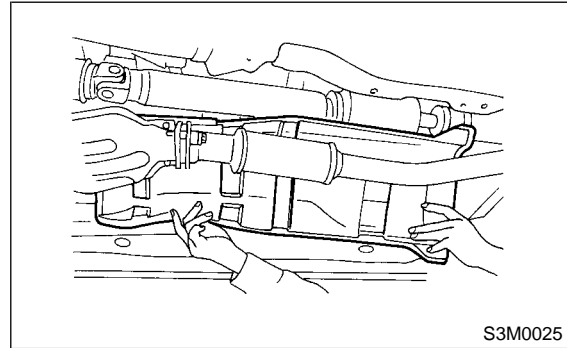
4) Install snap pin to range select lever.



- (A) Range select lever
- (B) Snap pin
- (C) Select cable
- (D) Clamp

5) Move the select lever to the "N" position, then adjust the select cable position. <Ref. to CS-11 ADJUSTMENT, Select Cable.>

6) Install heat shield cover. (Non-turbo model)



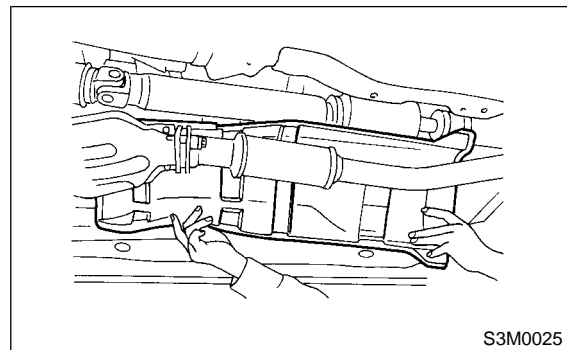
C: INSPECTION S501549A10

Check the removed cable and replace if damaged, rusty, or malfunctioning.

- 1) Check for smooth operation of the cable.
- 2) Check the inner cable for damage and rust.
- 3) Check the outer cable for damage, bends, and cracks.
- 4) Check the boot for damage, cracks, and deterioration.
- 5) Move select lever from "P" position to "1" position. You should be able to feel the detentes in each position. If the detentes cannot be felt or the position pointer is improperly aligned, adjust the cable.

D: ADJUSTMENT S501549A01

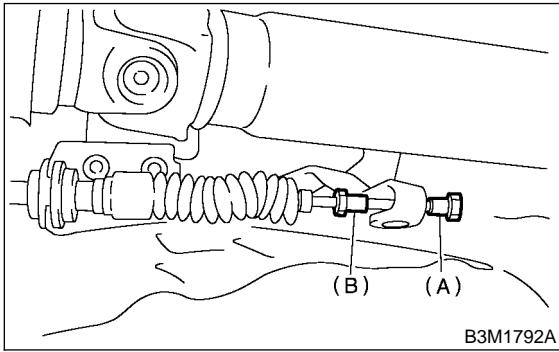
- 1) Set lever to "N" position.
- 2) Lift-up the vehicle.
- 3) Remove heat shield cover.



SELECT CABLE

Control Systems

4) Loosen the adjusting nut on each side.

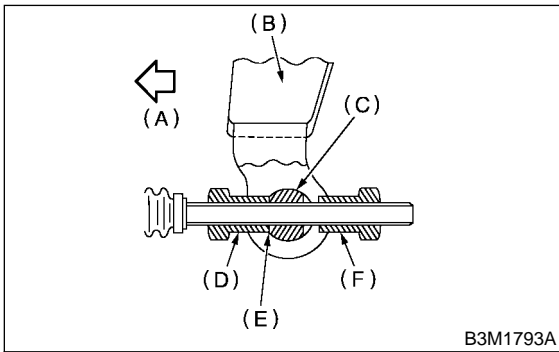


- (A) Adjusting nut A
- (B) Adjusting nut B

7) After completion of fitting, make sure that the select lever operates smoothly all across the operating range.

8) Install in the reverse order of removal.

5) Turn adjusting nut B until it lightly touches the connector.

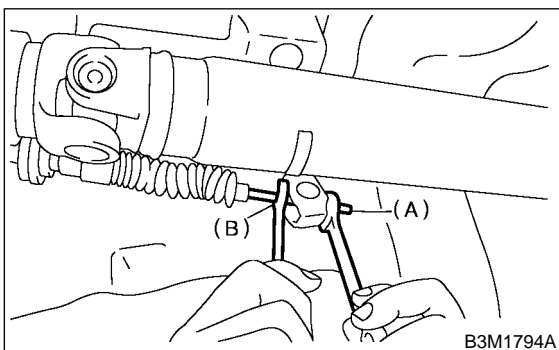


- (A) Front side
- (B) Select lever
- (C) Connector
- (D) Adjusting nut B
- (E) Contact point
- (F) Adjusting nut A

6) While preventing adjusting nut B from moving with a wrench, tighten adjusting nut A.

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

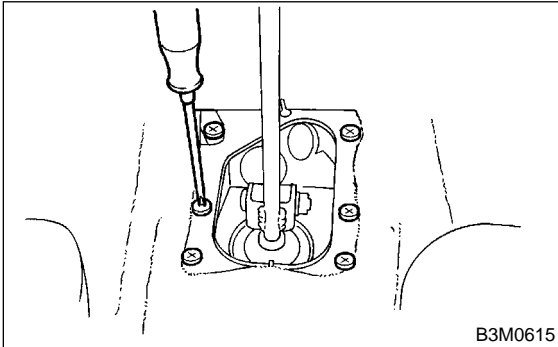


- (A) Adjusting nut A
- (B) Adjusting nut B

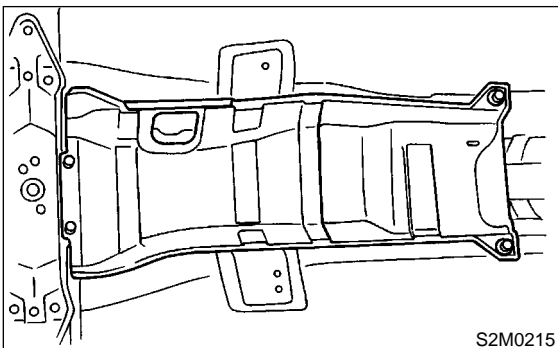
4. MT Gear Shift Lever S501236

A: REMOVAL S501236A18

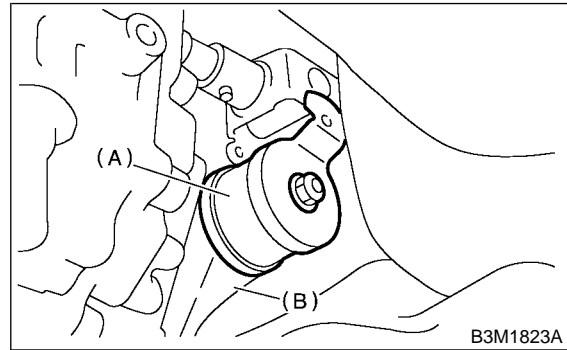
- 1) Set the vehicle on the lift.
- 2) Remove gear shift knob.
- 3) Remove front cover. <Ref. to EI-30, REMOVAL, Console Box.>
- 4) Remove the four screws to take out the boot and insulator assembly from boot plate. (Turbo model)
- 5) Remove boot plate from body.



- 6) Lift-up the vehicle.
- 7) Remove rear exhaust pipe and muffler.
Non-turbo model with OBD:
<Ref. to EX(SOHC)-9, REMOVAL, Rear Exhaust.>
and <Ref. to EX(SOHC)-11, REMOVAL, Muffler.>
Non-turbo model without OBD:
<Ref. to EX(SOHCw/oOBD)-10, REMOVAL, Rear Exhaust.> and <Ref. to EX(SOHCw/oOBD)-12, REMOVAL, Muffler.>
Turbo model:
<Ref. to EX(DOHC TURBO)-14, REMOVAL, Rear Exhaust.> and <Ref. to EX(DOHC TURBO)-15, REMOVAL, Muffler.>
- 8) Remove heat shield cover. (Non-turbo model)

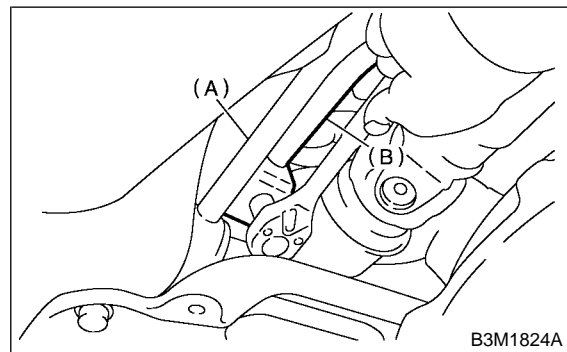


- 9) Remove stay from transmission bracket.



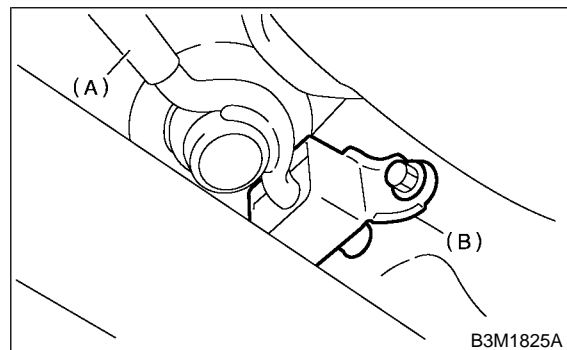
- (A) Stay
- (B) Transmission bracket

- 10) Remove rod from joint.



- (A) Stay
- (B) Rod

- 11) Remove cushion rubber from body.

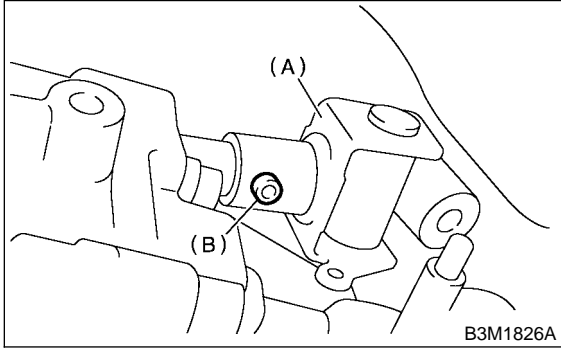


- (A) Stay
- (B) Cushion rubber

MT GEAR SHIFT LEVER

Control Systems

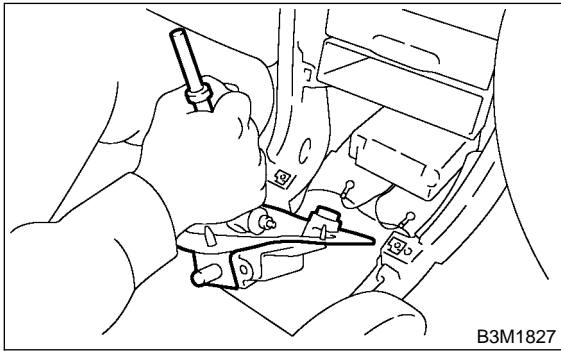
12) Remove joint and then extract straight pin.



- (A) Joint
- (B) Straight pin

13) Lower the vehicle.

14) Remove gear shift lever.



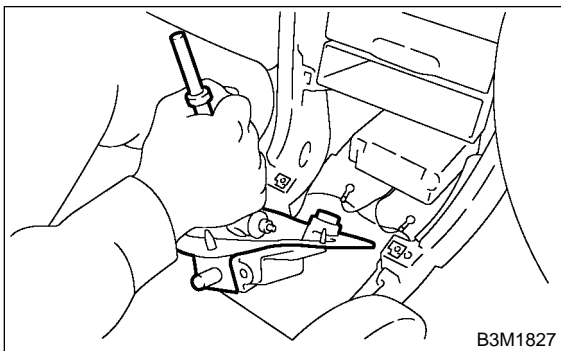
B: INSTALLATION S501236A11

1) Install the joint to the transmission and secure with the straight pin.

2) Insert gear shift lever from room side.

NOTE:

After inserting rod and stay, temporarily put them onto transmission mount.

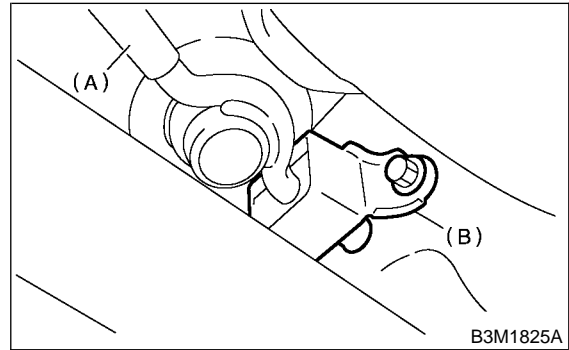


3) Lift-up the vehicle.

4) Mount cushion rubber on the body.

Tightening torque:

18 N-m (1.8 kgf-m, 13.0 ft-lb)

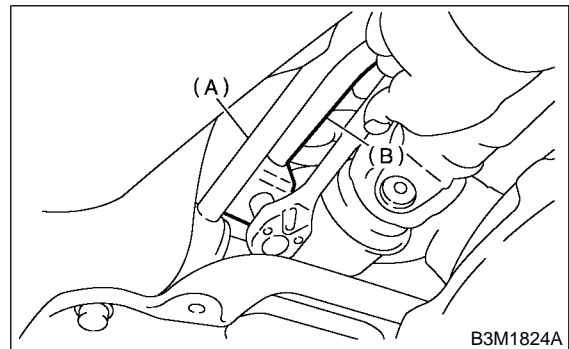


- (A) Cushion rubber
- (B) Stay

5) Connect rod to the joint.

Tightening torque:

18 N-m (1.8 kgf-m, 13.0 ft-lb)

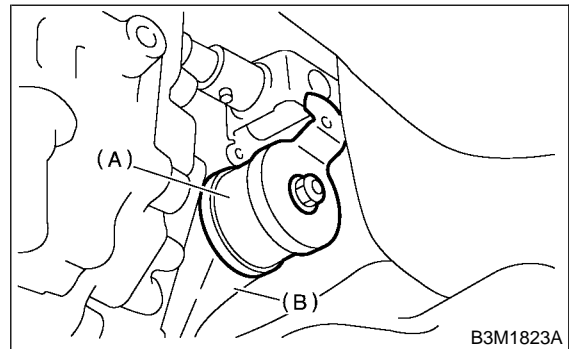


- (A) Joint
- (B) Rod

6) Connect stay to transmission bracket.

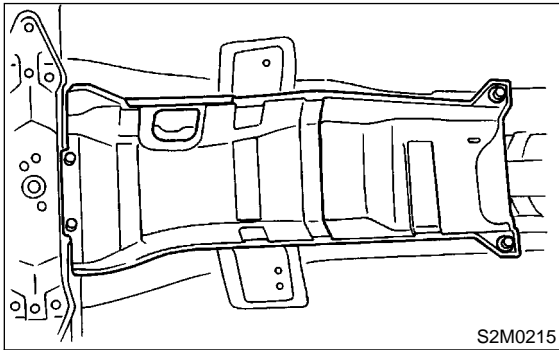
Tightening torque:

18 N-m (1.8 kgf-m, 13.0 ft-lb)



- (A) Stay
- (B) Transmission bracket

7) Install heat shield cover. (Non-turbo model)



8) Install rear exhaust pipe and muffler.

Non-turbo model with OBD:

<Ref. to EX(SOHC)-9, INSTALLATION, Rear Exhaust.> and <Ref. to EX(SOHC)-11, INSTALLATION, Muffler.>

Non-turbo model without OBD:

<Ref. to EX(SOHCw/oOBD)-10, INSTALLATION, Rear Exhaust.> and <Ref. to EX(SOHCw/oOBD)-12, INSTALLATION, Muffler.>

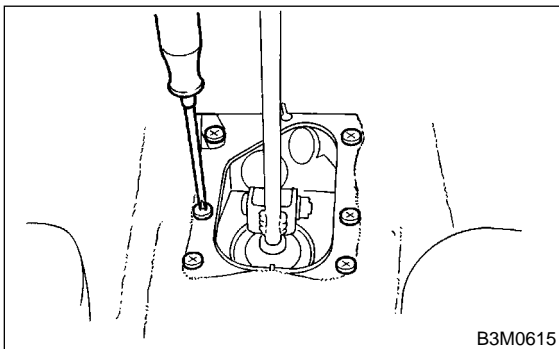
Turbo model:

<Ref. to EX(DOHC TURBO)-14, INSTALLATION, Rear Exhaust.> and <Ref. to EX(DOHC TURBO)-15, INSTALLATION, Muffler.>

9) Mount boot plate on body.

Tightening torque:

4.5 N·m (0.46 kgf·m, 3.3 ft·lb)

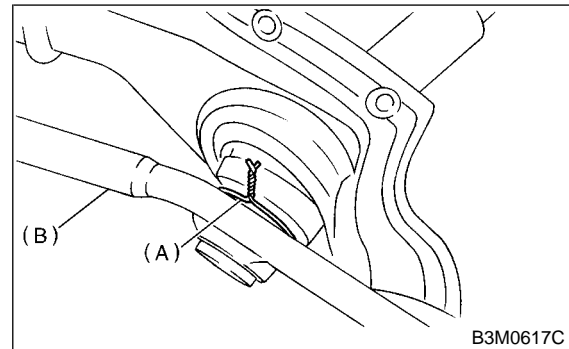


10) Install boot and insulator assembly on boot plate. (Turbo model)

11) Install front cover, gear shift knob. <Ref. to EI-30, INSTALLATION, Console Box.>

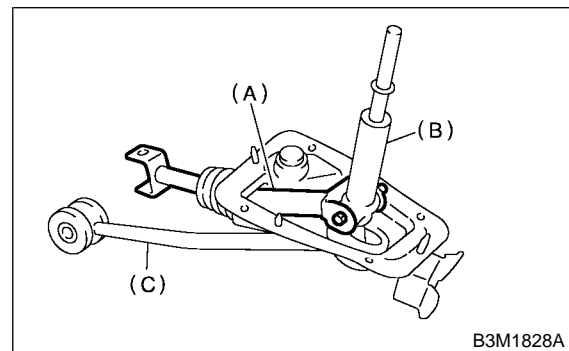
C: DISASSEMBLY S501236A06

1) Disassemble locking wire.



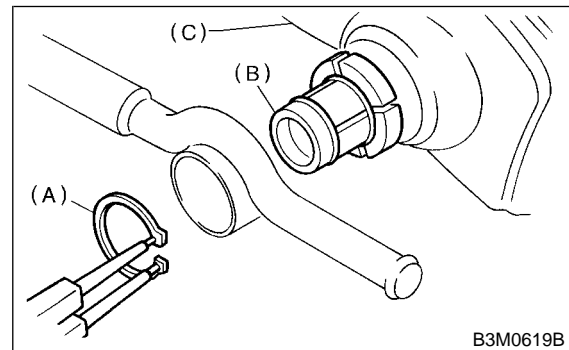
(A) Locking wire
(B) Stay

2) Remove rod from gear shift lever.



(A) Rod
(B) Gear shift lever
(C) Stay

3) Remove snap ring from bushing D, then disconnect stay.

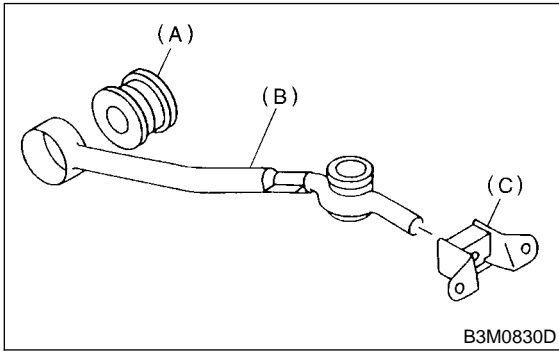


(A) Snap ring
(B) Bushing D
(C) Boot

4) Remove boot from gear shift lever.

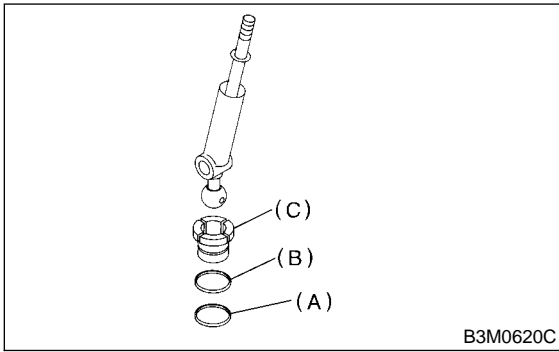
MT GEAR SHIFT LEVER

5) Remove bushing and cushion rubber from stay.



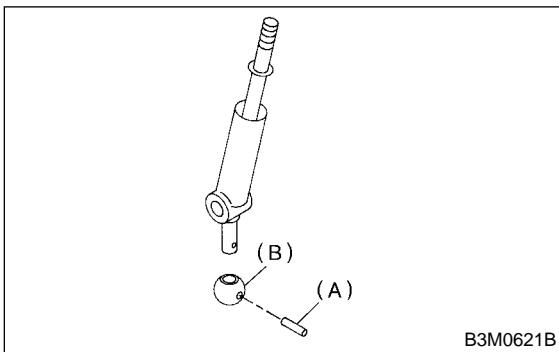
- (A) Bushing
- (B) Stay
- (C) Cushion rubber

6) Remove O-ring, then disconnect bushing D.



- (A) O-ring A
- (B) O-ring B
- (C) Bushing D

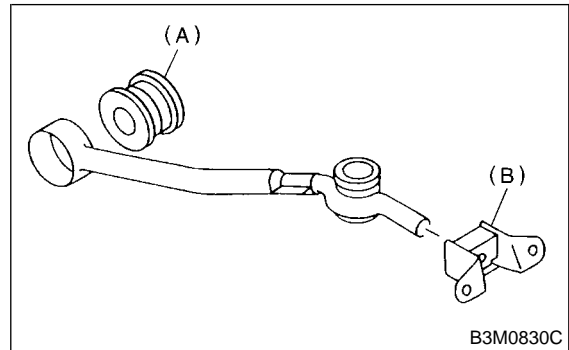
7) Draw out straight pin, then remove bushing C from gear shift lever.



- (A) Straight pin
- (B) Bushing C

D: ASSEMBLY S501236A02

- 1) Clean all parts before assembly.
- 2) Mount the bushing B and cushion rubber on the stay.

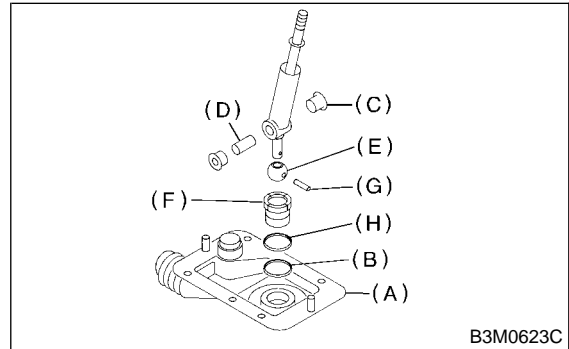


- (A) Bushing
- (B) Cushion rubber

3) Mount each part; boot, O-ring, bushing A, spacer, bushing B, bushing D and straight pin on the gear shift lever.

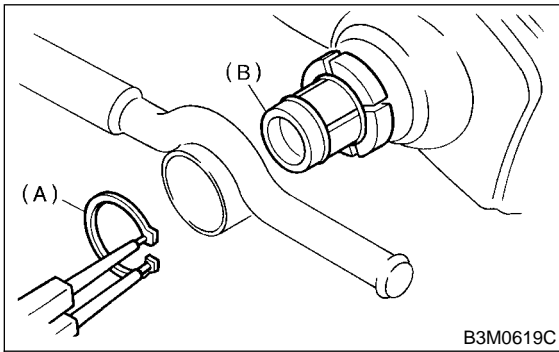
CAUTION:

- Always use new O-rings.
- Apply grease [DNIGHTIGHT LYW No. 2 or equivalent] to the inner and side surfaces of the bushing when installing the spacer.



- (A) Boot
- (B) O-ring B
- (C) Bushing A
- (D) Spacer
- (E) Bushing C
- (F) Bushing D
- (G) Straight pin
- (H) O-ring A

- 4) Insert the gear shift lever into the boot hole.
- 5) Install snap ring and stay to the bushing D.

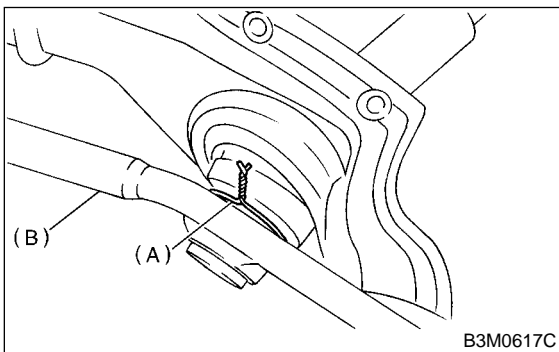


- (A) Snap ring
- (B) Bushing D

- 6) Tighten with locking wire to the extent that the boot will not come off.

CAUTION:

Always use new locking wire.

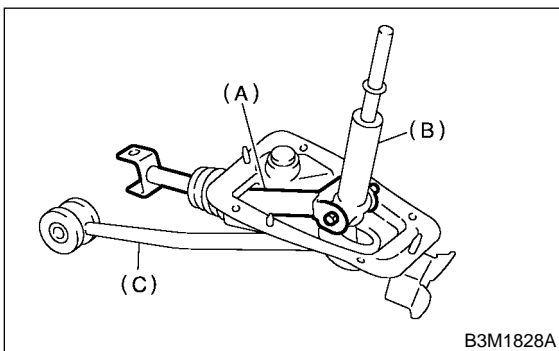


- (A) Locking wire
- (B) Stay

- 7) Insert the rod into the boot hole.
- 8) Connect rod to gear shift lever.

Tightening torque:

11.8 N·m (1.2 kgf-m, 8.7 ft-lb)

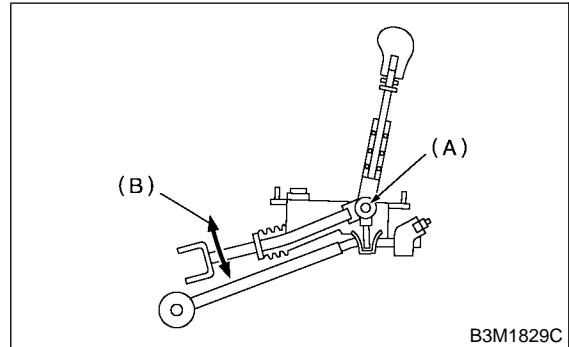


- (A) Rod
- (B) Shift lever
- (C) Stay

- 9) Check the swing torque of the rod in relation to the gear shift lever.
If the torque exceeds the specification, replace bushing or retighten nuts.

Rocking torque:

0.7 N·m (0.07 kgf-m, 0.5 ft-lb) or less



- (A) Center of rotation
- (B) Swing torque

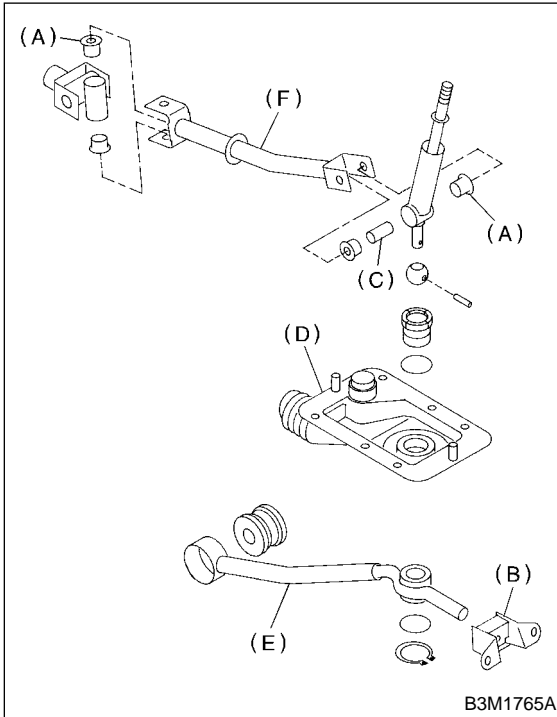
- 10) Check that there is no excessive play and that parts move smoothly.

MT GEAR SHIFT LEVER

Control Systems

E: INSPECTION S501236A10

1) Check each part (bushing A, cushion rubber, spacer, boot, stay and rod, etc.) for deformation, damage and wear. Repair or replace any defective part. Determine defective parts by comparing with new parts.



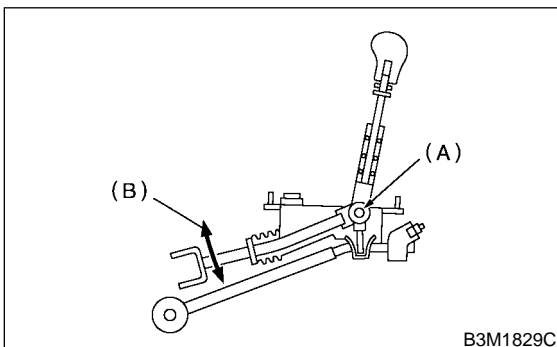
- (A) Bushing A
- (B) Cushion rubber
- (C) Spacer
- (D) Boot
- (E) Stay
- (F) Rod

2) Check the swing torque of the rod in relation of the gear shift lever.

If the torque exceeds the specification, replace bushing or retighten nuts.

Rocking torque:

0.7 N·m (0.07 kgf·m, 0.5 ft·lb) or less

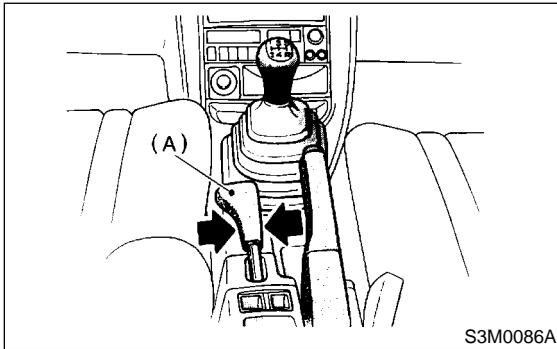


- (A) Center of rotation
- (B) Swing torque

5. MT Drive Select Lever S501235

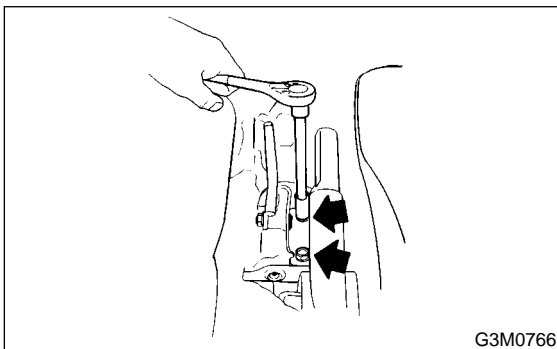
A: REMOVAL S501235A18

- 1) To immobilize vehicle, put the select lever in "1st" and block the tires.
- 2) Disconnect battery ground terminal from battery.
- 3) Set drive select lever to HI position.
- 4) Remove the drive select lever knob.

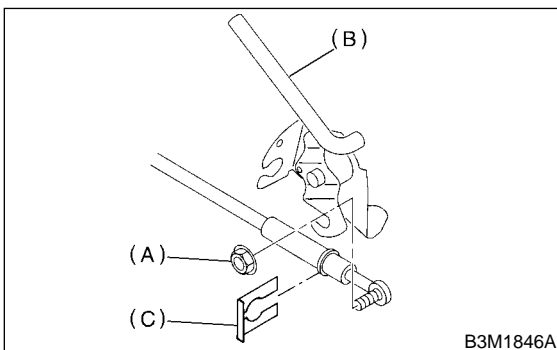


(A) Drive select lever knob

- 5) Remove console box. <Ref. to EI-30 Console Box.>
- 6) Remove the bolt installing drive select lever assembly on body.



- 7) Remove nut, clamp and then disconnect the cable from drive select lever assembly.



- (A) Nut
- (B) Drive select lever
- (C) Clamp

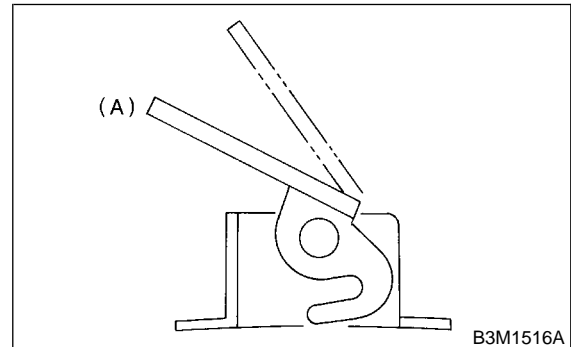
B: INSTALLATION S501235A11

- 1) Install drive select lever.

Tightening torque:

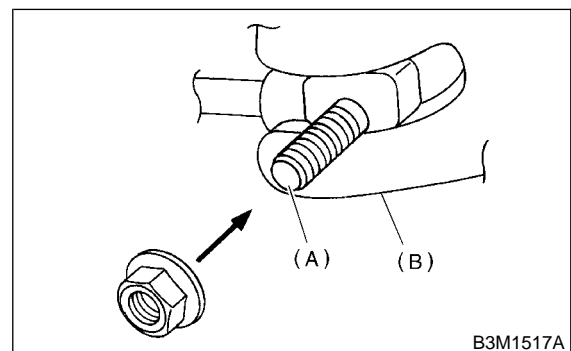
18 N-m (1.8 kgf-m, 13.0 ft-lb)

- 2) Set drive select lever to HI position.



(A) HI position

- 3) Be sure to insert cable end bolt into lever arm slit.



- (A) Cable end bolt
- (B) Lever arm

- 4) Tighten nut where cable end bolt comes to a stop.

Tightening torque:

18 N-m (1.8 kgf-m, 13.0 ft-lb)

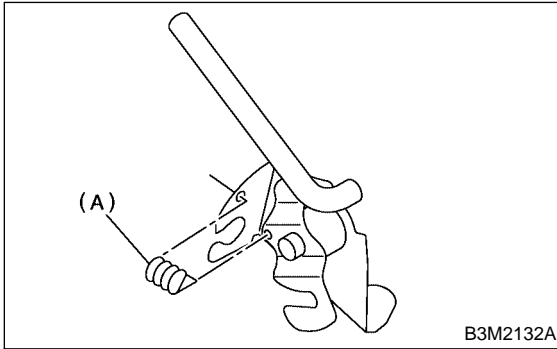
- 5) Install in the reverse order of removal.

MT DRIVE SELECT LEVER

Control Systems

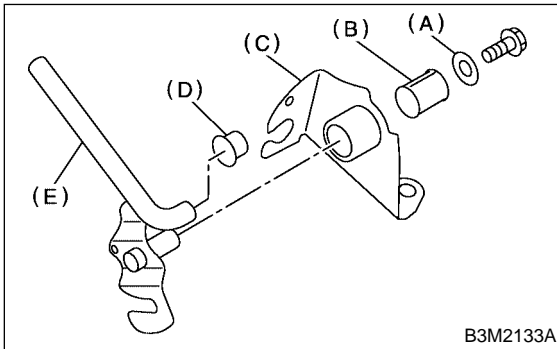
C: DISASSEMBLY S501235A06

1) Remove spring.



(A) Spring

2) Remove lever, cap and bushing.



(A) Washer
(B) Bushing
(C) Plate
(D) Cap
(E) Lever

D: ASSEMBLY S501235A02

1) Assemble in the reverse order of disassembly.

Tightening torque:

1.6 N-m (0.16 kgf-m, 1.2 ft-lb)

2) Make sure the select lever moves smoothly.

E: INSPECTION S501235A10

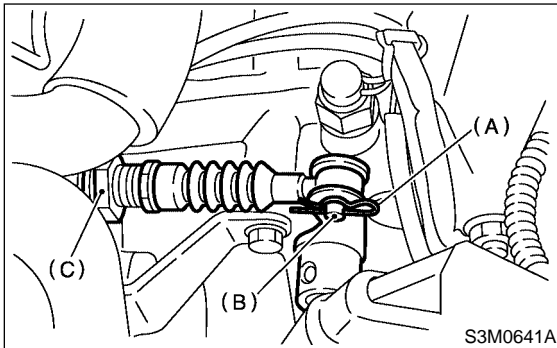
1) Make sure the select lever moves smoothly. If it does not move smoothly, repair or replace it.

2) Make sure the drive select lever is not damaged. If it is damaged, repair or replace it.

6. Drive Select Cable S501717

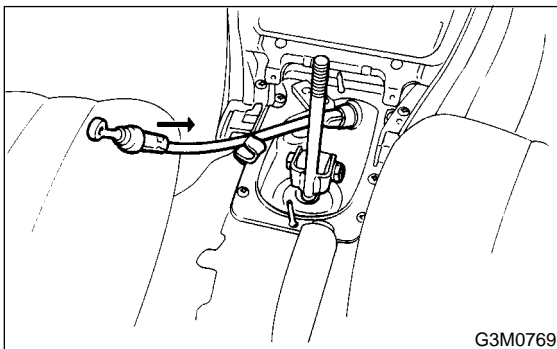
A: REMOVAL S501717A18

- 1) Remove the drive select lever. <Ref. to CS-19 REMOVAL, MT Drive Select Lever.>
- 2) Remove intake duct. <Ref. to IN(SOHC)-8, REMOVAL, Air Intake Duct.>
- 3) Remove air cleaner case. <Ref. to IN(SOHC)-7, REMOVAL, Air Cleaner Case.>
- 4) Remove snap pin and clevis pin.
- 5) Loosen the nut and disconnect the cable from cable bracket.



- (A) Snap pin
- (B) Clevis pin
- (C) Nut

- 6) Remove cable from the under side of vehicle.



B: INSTALLATION S501717A11

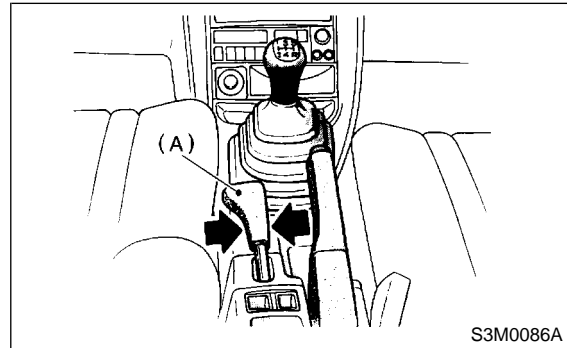
- 1) Install in the reverse order of removal.
- 2) Make sure the drive select lever operates properly.

C: INSPECTION S501717A10

- 1) Make sure to move transmission to HI or LO position by moving the drive select lever. If it doesn't, adjust the cable.<Ref. to CS-21 ADJUSTMENT, Drive Select Cable.>
- 2) Make sure cable operates smoothly. If it catches or fails to work properly, repair or replace it.
- 3) Check cable for damage.

D: ADJUSTMENT S501717A01

- 1) Set the drive select lever to HI position.
- 2) Remove the drive select lever knob.



- 3) Remove console box. <Ref. to EI-30, Console Box.>
- 4) Loosen the nut.
- 5) Make sure transmission is in HI position. If isn't, pull on cable to put transmission in HI position.
- 6) Tighten the nut in the location where the cable end bolt stops naturally.

Tightening torque:

18 N·m (1.8 kgf·m, 13.0 ft·lb)

- 7) Make sure to move transmission to HI or LO position by moving the drive select lever. If it doesn't, readjust cable.

GENERAL DIAGNOSTIC TABLE

Control Systems

7. General Diagnostic Table S501257

A: INSPECTION S501257A10

Symptom	Possible cause	Remedy
1. AT select lever	(1) Starter does not run.	Adjust select cable and inhibitor switch, or inspect circuit.
	(2) Back-up light does not light up.	Adjust select cable and inhibitor switch, or inspect circuit.