



**SUZUKI MOTOR CORPORATION**

Overseas Automobile Service Group  
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Page 1 of 2  
Date February 24, 2015  
Our ref. VL-150224

To: Selected Suzuki Automobile Distributors  
Attn.: Managing Director  
Service Director / Manager

**Subject: Revision For Repair Instruction To RW420 (SX4) Vehicle Safety Recall Campaign For Shift Select Lever**

Dear Sirs and Mesdames,

This notification is to inform you that the repair instruction attached to the letter VL-141212 has been revised. In the revision, final operation check procedure for RW420 (SX4) have been defined minutely, which became required to determine whether the original shift knob can be used for the recall repair, or whether a new shift knob must be installed. Accordingly parts supply plan of the select lever shift knob for RW420 (SX4) has been established.

Please refer to the attached repair instruction for new procedure and next page for parts supply plan.

We appreciate your prompt action for the revision.

Very truly yours,

A handwritten signature in black ink, appearing to be 'Yasunari Suzuki', is written over a horizontal line.

Yasunari Suzuki, Department General Manager  
Overseas Service Department  
SUZUKI MOTOR CORPORATION

1. Action

Change work procedure only for RW420 (SX4) following revised Repair Instructions of ANNEX1.

2. Parts Supply Plan

Place an initial order, 1% of Q'ty (in total of AIR and SEA orders) of affected vehicles number in your market, shown below with our Global Spare Parts & Accessories Marketing Group by using Part Order Form of ANNEX2 immediately. Please divide the order Q'ty (1% of Q'ty of affected vehicles) into the minimum AIR order and the rest Q'ty SEA order and send us the 2 order forms. SMC will reimburse the additional cost for the initial AIR order by receiving your statement, which calculated the difference of the air freight and the regular SEA freight.

## NOTE:

- (1) Use a specified form of ANNEX2 as attached to this letter for the parts order.
- (2) Use e-mail and send your order form by March 4, 2015 to your window person of Global Spare Parts & Accessories Marketing Group. DO NOT use SCAN.
- (3) For the additional Q'ty order, place a normal order using SCAN after April 25, 2015.

Part Name	Part Number	Q'ty/vehicle
KNOB ASSY, SELECT LEVER (BLACK) For RW420 (SX4)	28160-54L10-5PK	1

Attachment

ANNEX1: Repair Instruction

ANNEX2: Parts order form

# ***Revised***

See page 34.

## **Kizashi (A6B424) and SX4 (RW420) Replacement Procedure for Select Lever**

### **Workflow**

1. Confirmation of Affected Vehicle ..... Page 1



2. Replacement of Select Lever ..... Page 2

2-1. Necessary Tool

Kizashi ..... Page 2

SX4 ..... Page 3



2-2. Replacement Part

Kizashi ..... Page 4

SX4 ..... Page 5



2-3. Replacement Procedure

Kizashi ..... Page 6

SX4 ..... Page 27

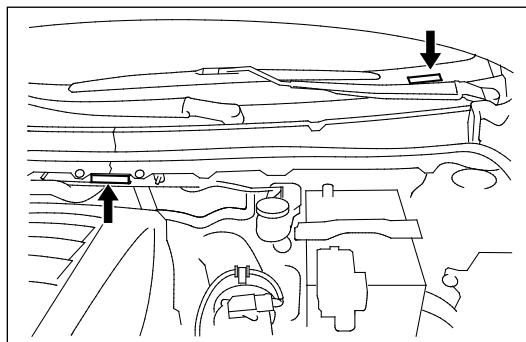
## 1. Confirmation of Affected Vehicle

Check the vehicle identification number to confirm whether the vehicle's select lever needs to be replaced.

### Vehicle Identification Number (VIN)

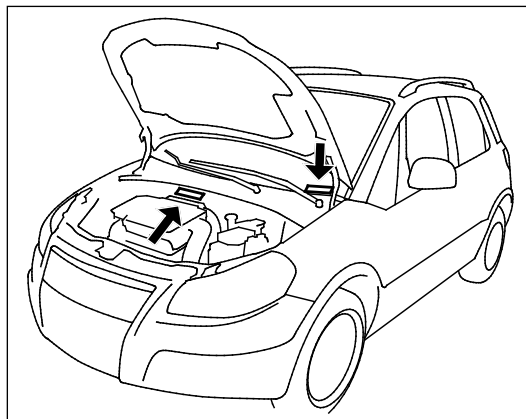
#### Kizashi

Location: On the cowl top panel or the left side of the instrument panel



#### SX4

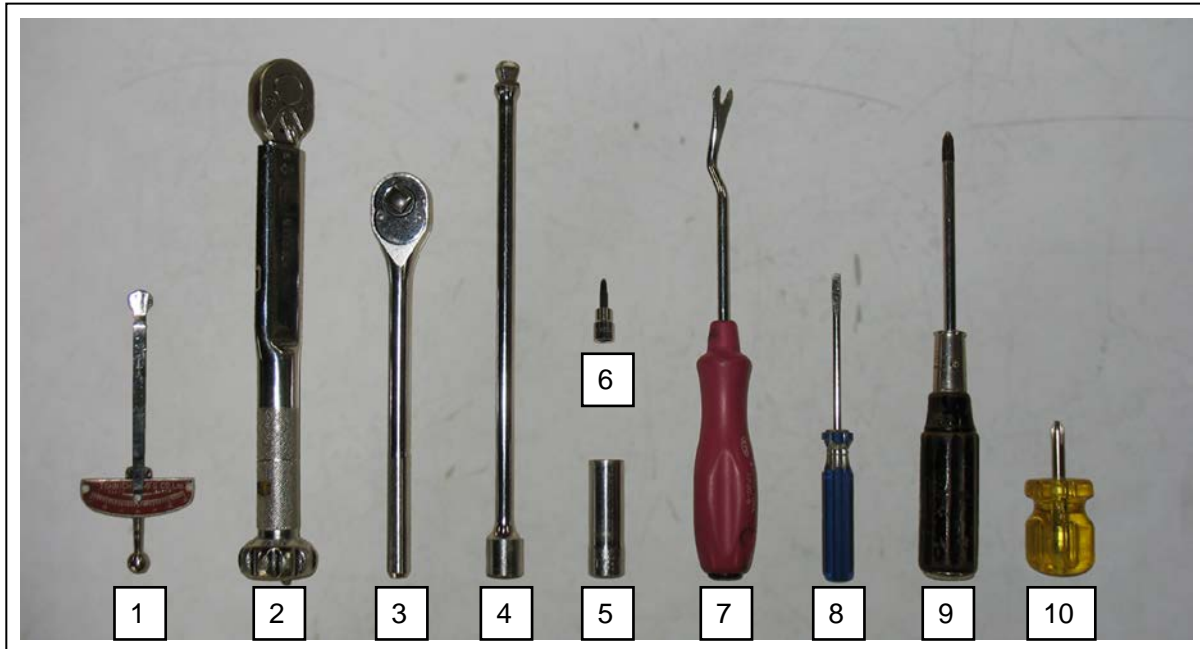
Location: On the dash panel or the left side of the instrument panel



## 2. Replacement of Select Lever

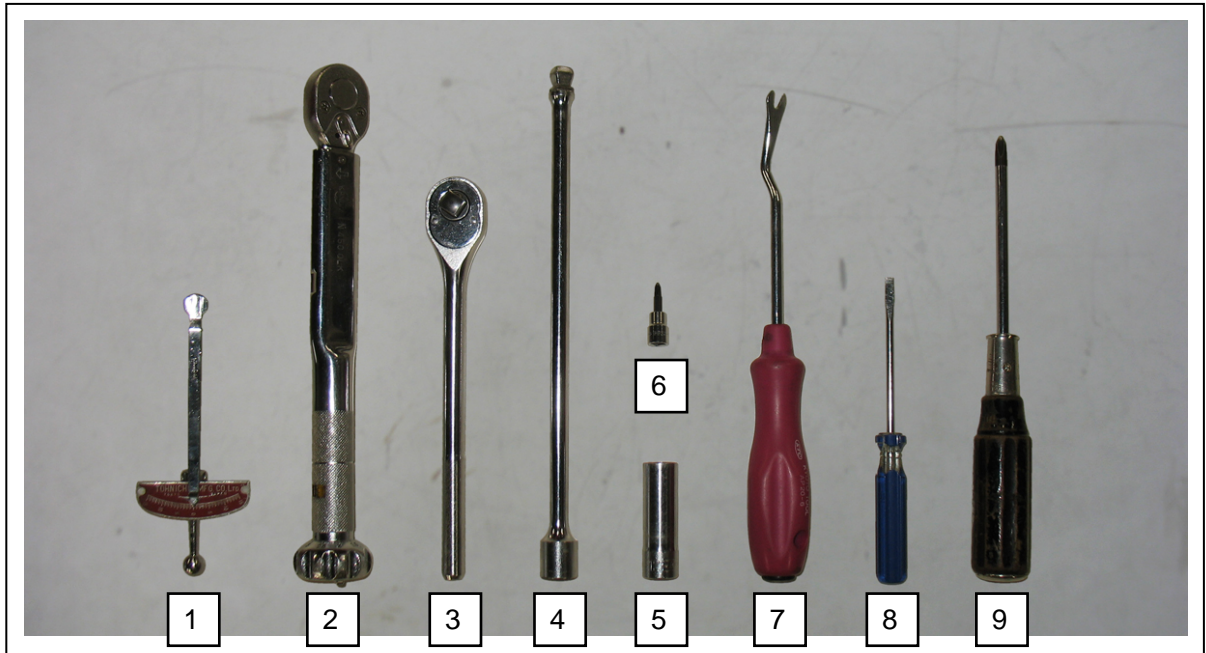
### 2-1. Necessary Tool

Kizashi



Number	Tool Name	Comment
1	Torque wrench	6.3 sq, 0 – 1.5 N·m
2	Torque wrench	9.5 sq, 10 – 45 N·m
3	Ratchet handle	9.5 sq
4	Extension bar	9.5 sq, 250 mm
5	Socket (Deep Type)	9.5 sq, 12 mm
6	Phillips screwdriver bit socket	6.3 sq
7	Clip remover	
8	Micro flat-bladed screwdriver	
9	Phillips screwdriver (medium)	
10	Stubby screwdriver (+)	

**SX4**



Number	Tool Name	Comment
1	Torque wrench	6.3 sq, 0 – 1.5 N·m
2	Torque wrench	9.5 sq, 10 – 45 N·m
3	Ratchet handle	9.5 sq
4	Extension bar	9.5 sq, 250 mm
5	Socket (Deep Type)	9.5 sq, 12 mm
6	Phillips screwdriver bit socket	6.3 sq
7	Clip remover	
8	Micro flat-bladed screwdriver	
9	Phillips screwdriver (medium)	

## 2-2. Replacement Part

### Kizashi

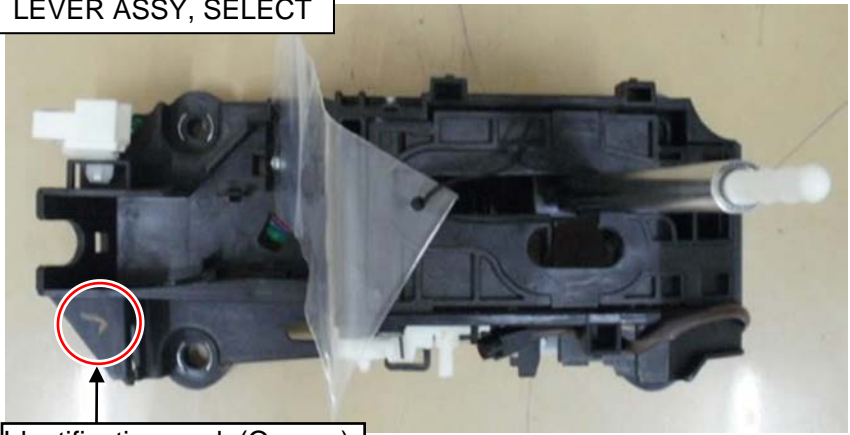


Replacement Parts Set	Contents	Quantity
LEVER SET, SELECT 28100-57830-RX0	LEVER ASSY, SELECT 28110-57L31	1
	CAP, INDICATOR 28157-57L30	1

**SX4**

**Replacement Parts Set (LEVER SET, SELECT / 28100-54830-RX0)**

**LEVER ASSY, SELECT**



**Identification mark (Orange)**

**CAP, INDICATOR**



<b>Replacement Parts Set</b>	<b>Contents</b>	<b>Quantity</b>
LEVER SET, SELECT 28100-54830-RX0	LEVER ASSY, SELECT 28110-54L32	1
	CAP, INDICATOR 28157-54L30	1



## 2-3. Replacement Procedure

### Kizashi

#### [1] Removal

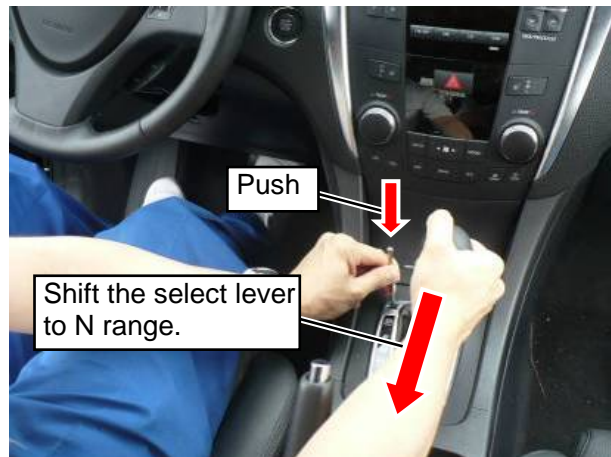
##### NOTICE

- Resin parts get easily scratched.  
Be sure to cover the tool tip with a shop cloth, vinyl tape, etc. when removing resin parts so as not to scratch them.
- The wiring harness can be severed if a pulling force is applied.  
Do not pull the wiring harness when removing the connector and bulb.

- 1) Fully apply the parking brake.
- 2) Remove the indicator cap (1) from the select lever indicator using a flat-bladed screwdriver with its tip covered with vinyl tape.



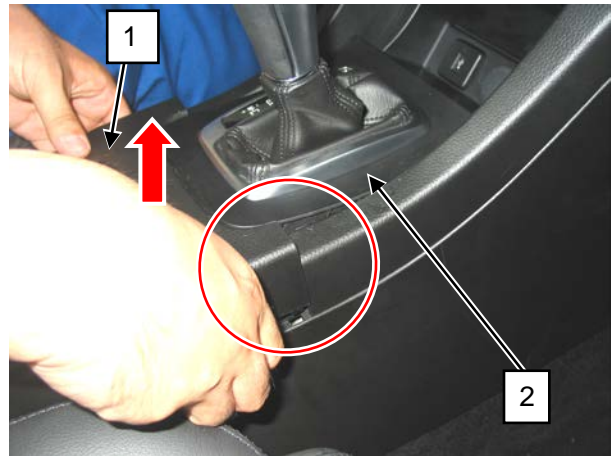
- 3) While pushing on the shift lock manual release button with a flat-bladed screwdriver or a similar tool, shift the select lever to N range.



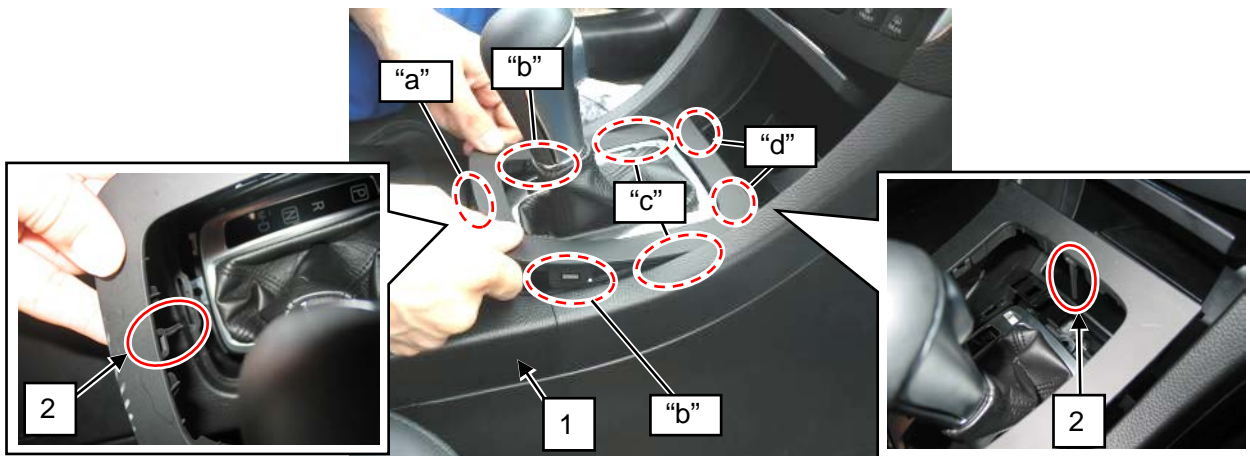
- 4) Open the lid of the instrument panel center lower box (1).



- 5) While lifting the front end of the console rear panel (1), lift up the rear end of the gearshift garnish (2).



- 6) While lifting the rear end of the gearshift garnish, disengage the claw "a" from the vehicle body.
- 7) Refit the console rear panel (1).
- 8) Disengage the claws of the gearshift garnish in the sequence of "b" to "d", being careful not to damage the positioning pins (2).
- 9) Remove the gearshift garnish.



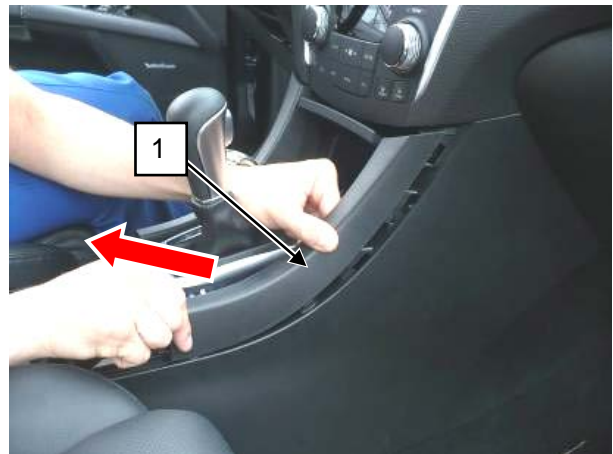
- 10) Open the lid of the floor console rear (1).



11) Remove the console rear panel (1).



12) Remove the left and right side floor console front garnishes (1) by pulling them in the direction of the arrow.

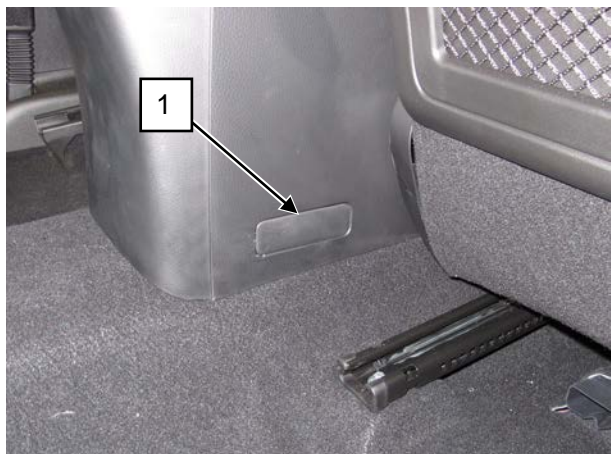


13) Remove the floor console rear as follows.

- a) Disconnect the accessory socket connector (1) and clamp (2).
- b) Remove the screws (3).



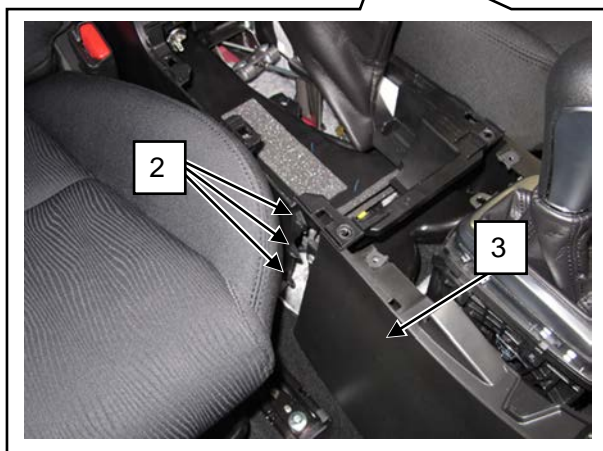
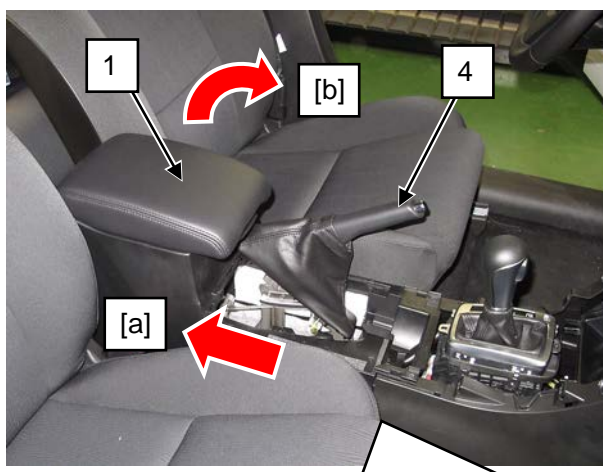
- c) Slide the driver seat and passenger seat forward completely.
- d) Remove the floor console rear caps (1) from both sides.



- e) Remove the floor console rear screws (1) from both sides.



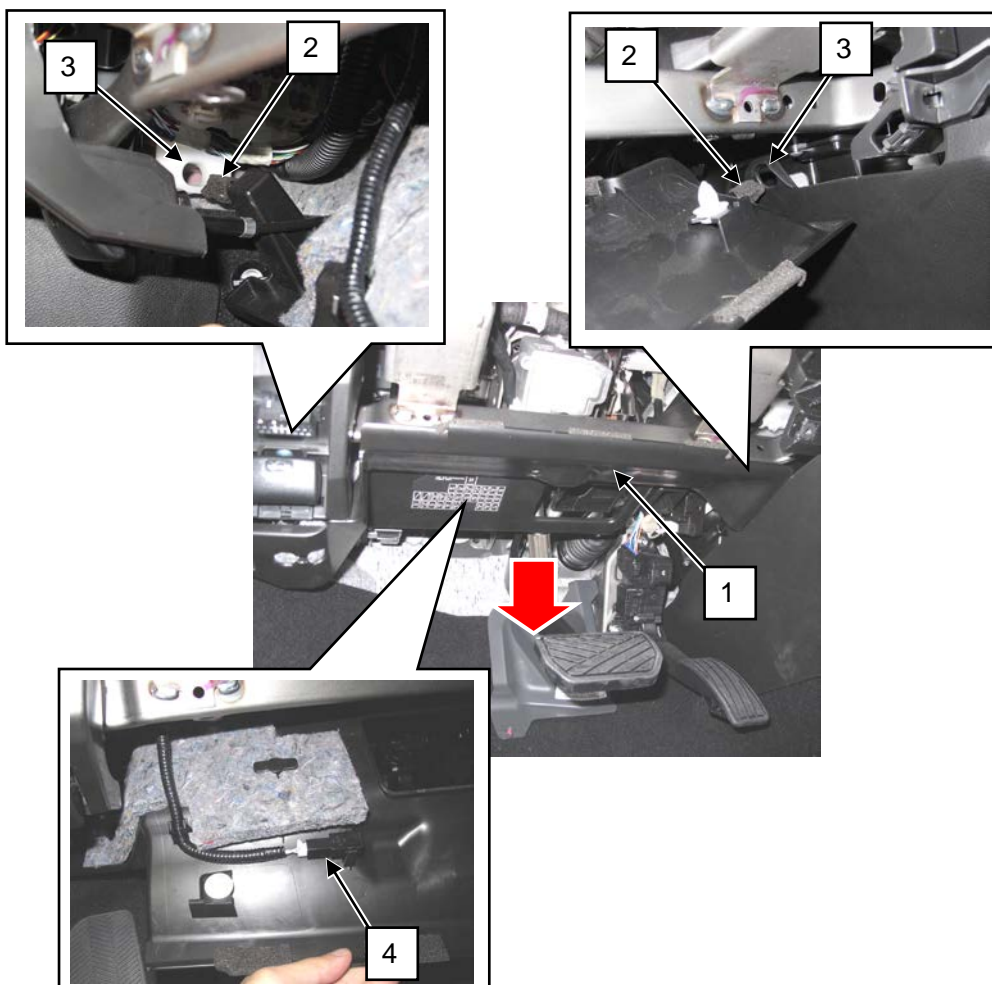
- f) Pull the floor console rear (1) in the direction of the arrow [a], and then release the left and right claws (2) of the floor console rear from the floor console front panel (3).
- g) Pull the floor console rear in the direction of the arrow [b], ensuring that it does not interfere with the parking brake lever (4). Then, remove the floor console rear.



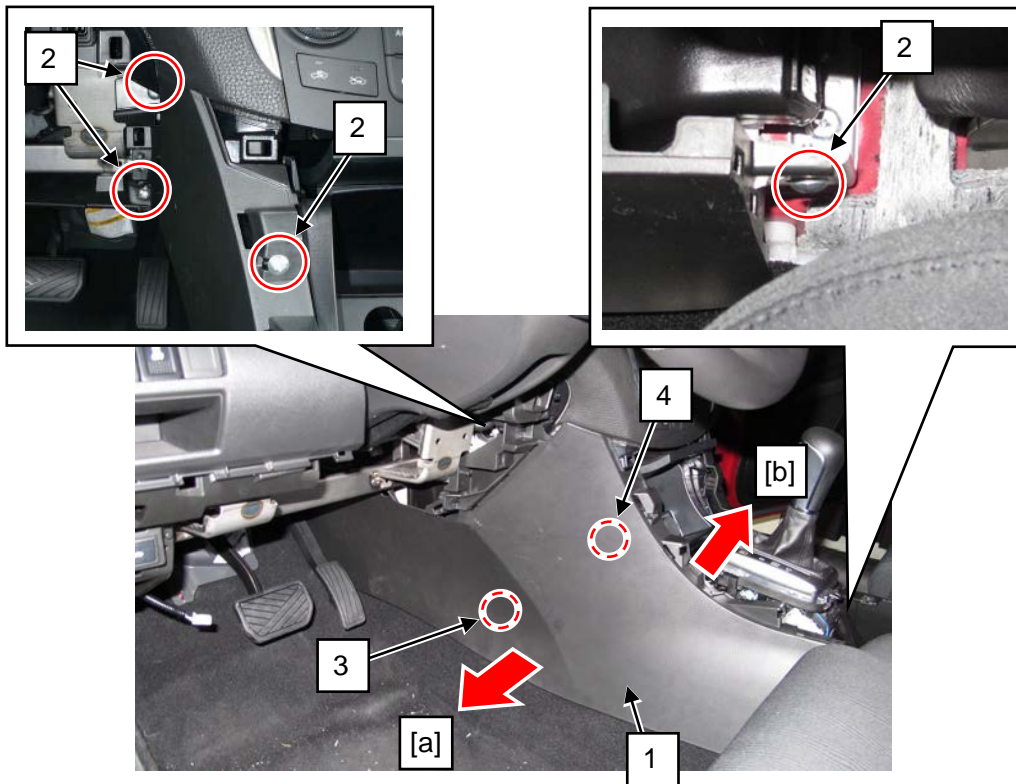
- 14) Remove the screws (1), and then remove the steering column hole cover (2) by pulling it upward and toward the rear of the vehicle.



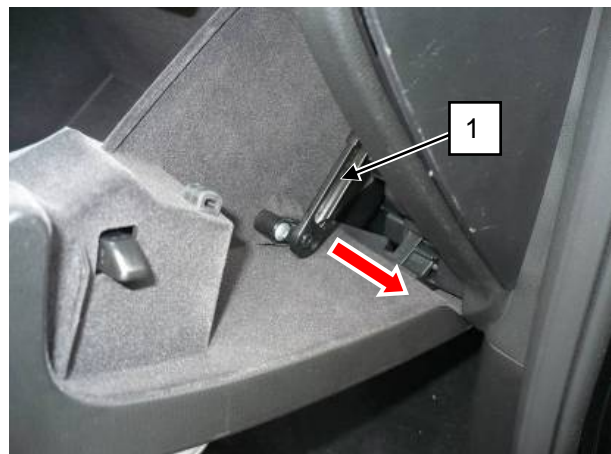
- 15) While pulling the driver side instrument panel undercover (1) in the direction of the arrow, remove the positioning pins (2) from the corresponding holes (3).
- 16) Remove the foot light (4) from the driver side instrument panel undercover, and then remove the driver side instrument panel undercover.



- 17) Remove the driver side floor console front panel (1) as follows.
- a) Slide the driver seat backward completely.
  - b) Remove the screws (2).
  - c) Pull the floor console front panel in the direction of the arrow [a], and then release the clip (3) and positioning pin (4) of the floor console front panel from the vehicle body.
  - d) Remove the floor console front panel by pulling it in the direction of the arrow [b].



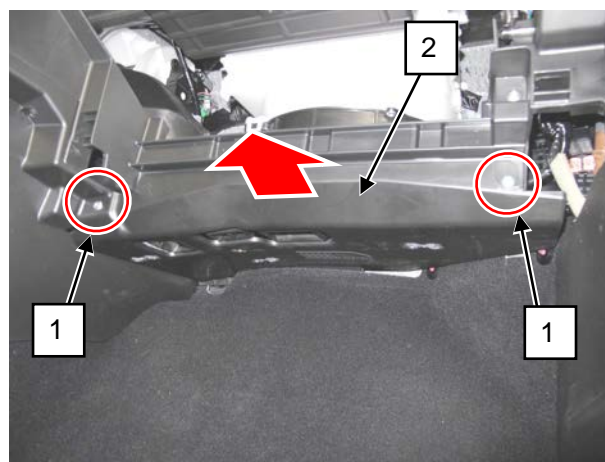
- 18) Remove the damper (1) from the glove box.



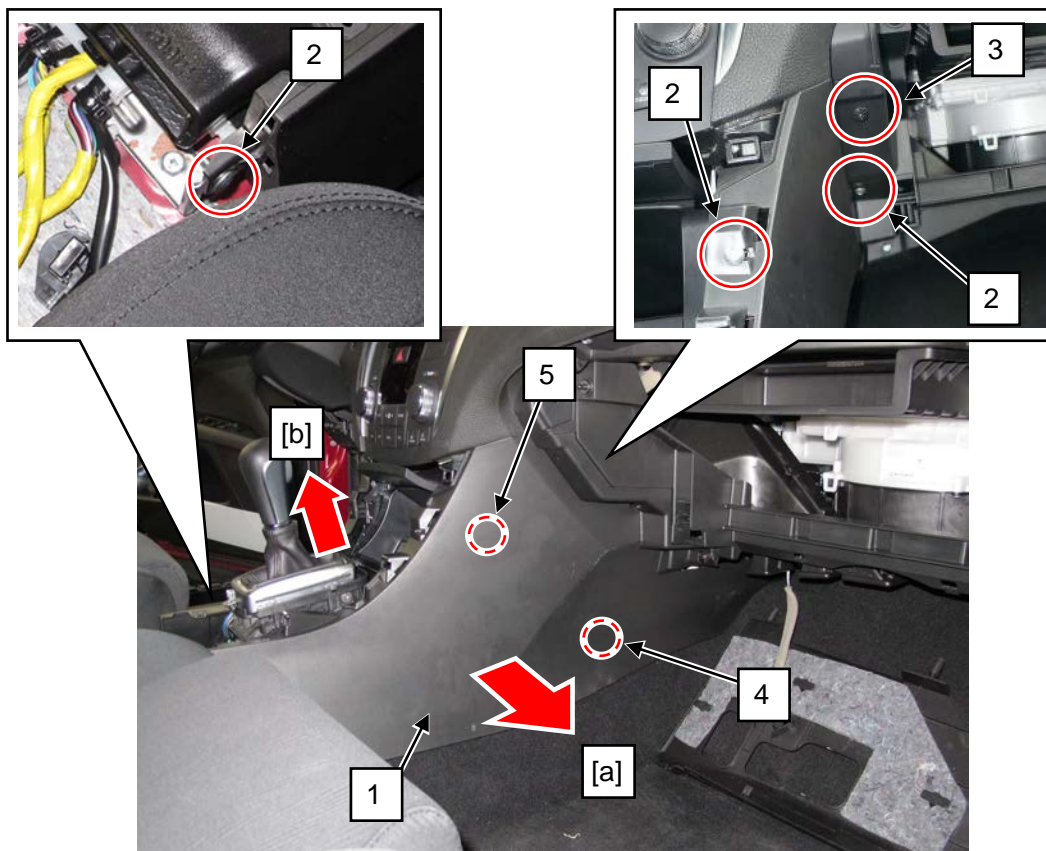
- 19) While applying inward pressure on both sides of the glove box as indicated by the arrows in the pictures below, pull the glove box toward the rear of the vehicle so as to disengage it from the projections (1) on the instrument panel.
- 20) Remove the glove box.



- 21) Remove the screws (1), and then remove the passenger side instrument panel undercover (2) by pulling it toward the rear of the vehicle.

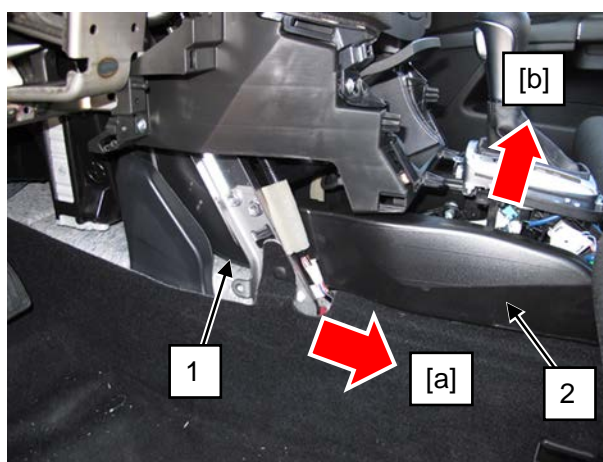


- 22) Remove the passenger side floor console front panel (1) as follows.
- Slide the passenger seat backward completely.
  - Remove the screws (2) and clip (3).
  - Pull the floor console front panel in the direction of the arrow [a], and then release its clip (4) and positioning pin (5) from the vehicle body.
  - Remove the floor console front panel by pulling it in the direction of the arrow [b].



- 23) Remove the rear ventilation duct No.2 (2) as follows.

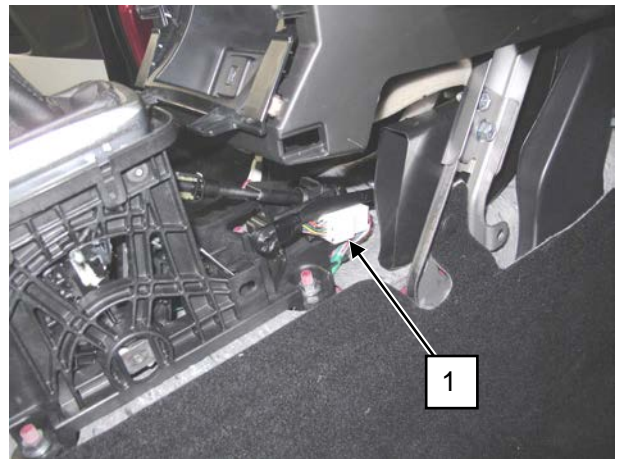
- Pull the rear ventilation duct No.2 in the direction of the arrow [a] to separate it from the rear ventilation duct No.1 (1).
- Remove the rear ventilation duct No.2 by pulling it in the direction of the arrow [b].



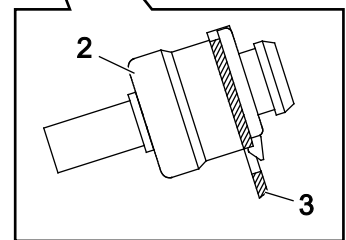
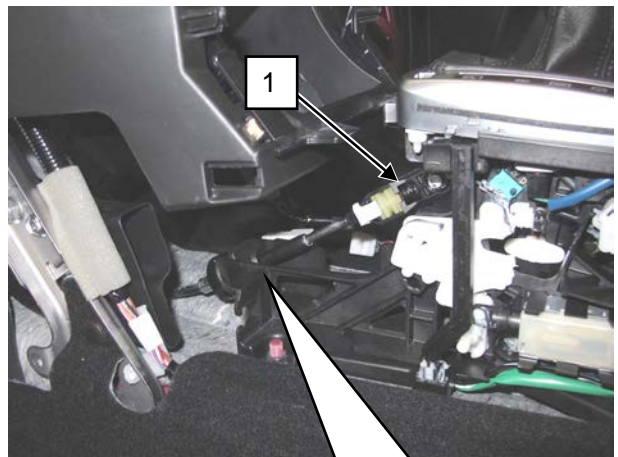


24) Remove the select lever assembly as follows.

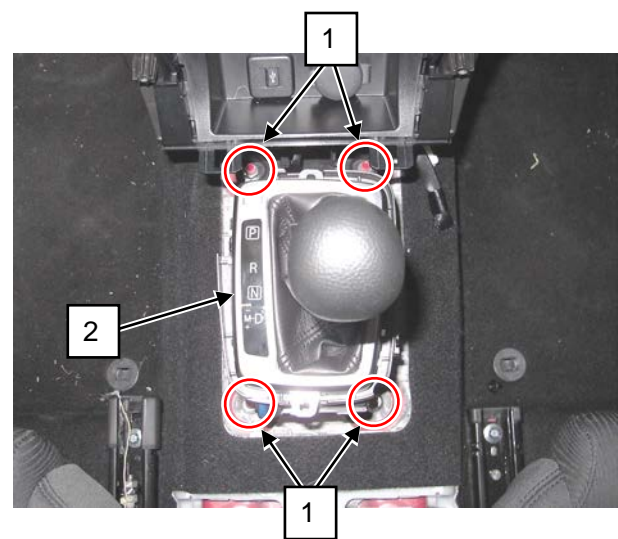
a) Disconnect the select lever connector (1).



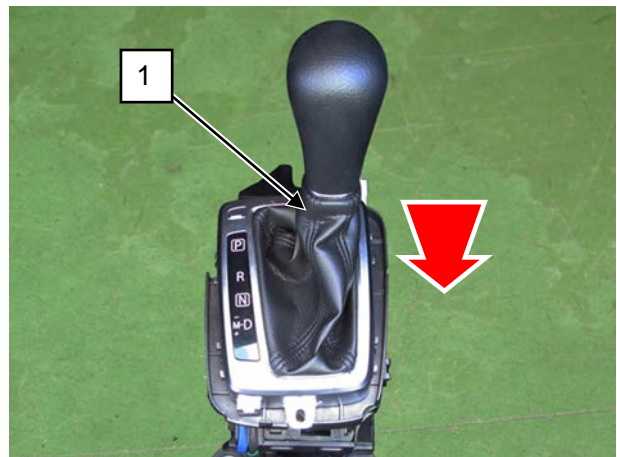
b) Detach the select cable end (1) from the select lever pin of the select lever assembly, and then detach the casing cap (2) from the select lever bracket (3).



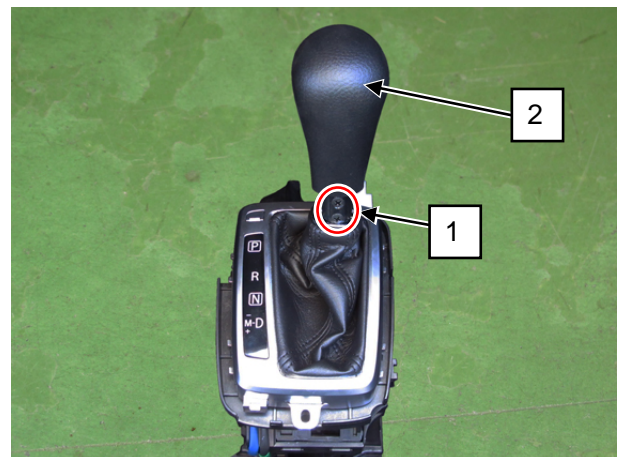
c) Remove the nuts (1), and then remove the select lever assembly (2).



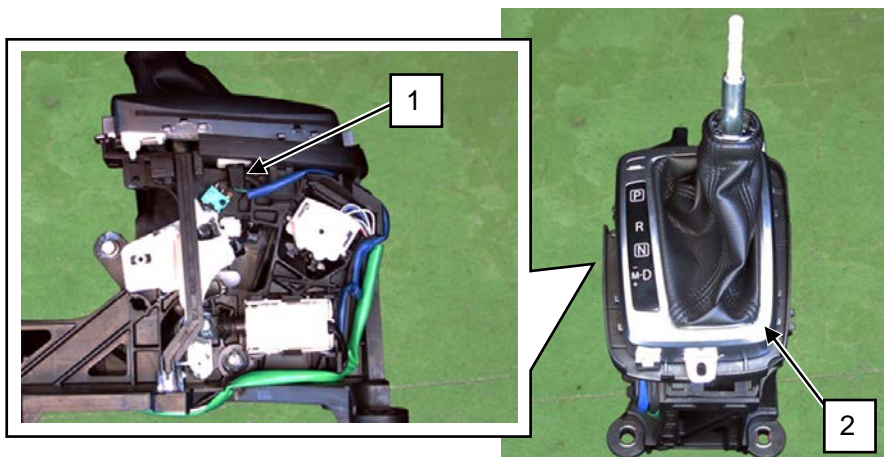
25) Slide the select lever knob cover (1) in the direction of the arrow shown in the picture.



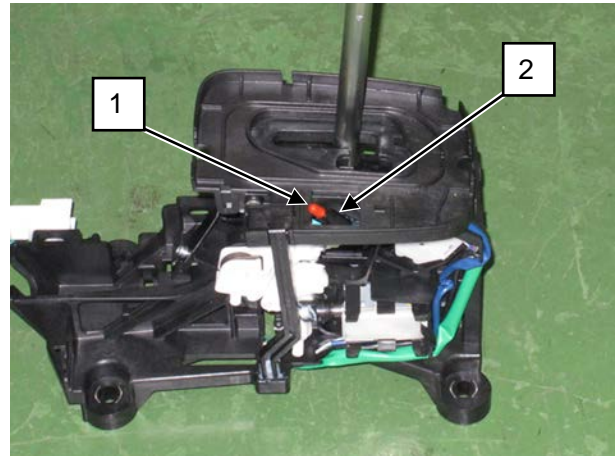
26) Remove the screws (1), and then remove the select lever knob (2).



27) Disconnect the select lever illumination light assembly (1) from the select lever indicator (2), and then remove the select lever indicator.



28) Remove the bulb (1) from the bulb socket (2).



## [2] Installation

- 1) Install the removed bulb (1) to the bulb socket (2) on a new select lever assembly (replacement part).

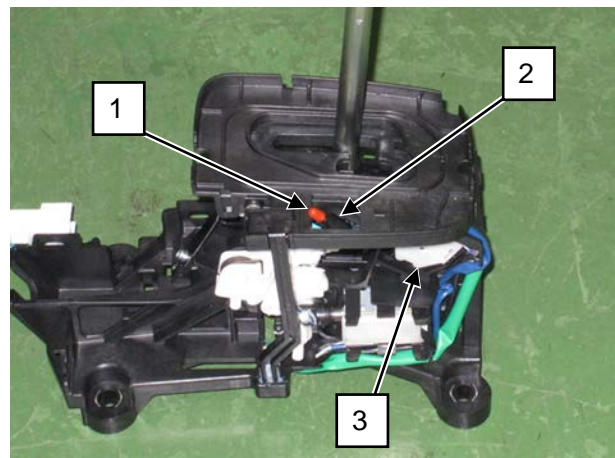
### **NOTICE**

The manual mode switch (3) on the select lever assembly may be damaged if a force is applied.

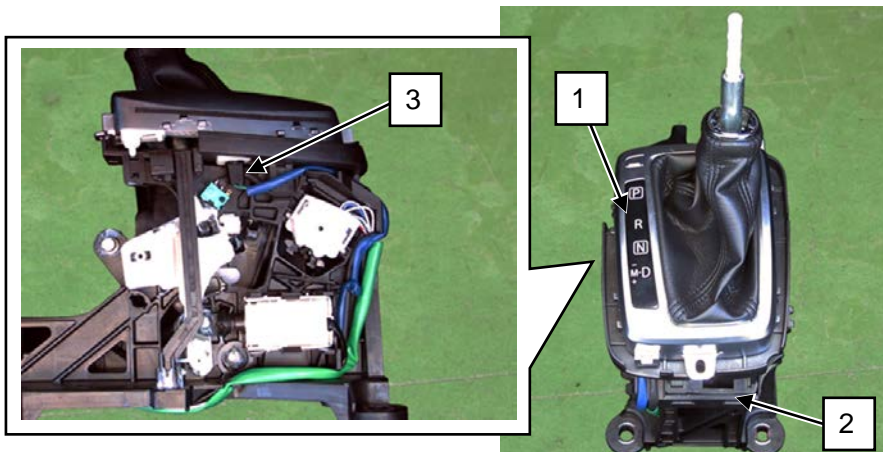
Do not touch the manual mode switch during the work.

### **NOTE**

Be sure that there is an identification mark (Light green) on the select lever assembly (replacement part).



- 2) Install the select lever indicator (1) onto the select lever assembly (2).
- 3) Install the select lever illumination light assembly (3) to the select lever indicator.

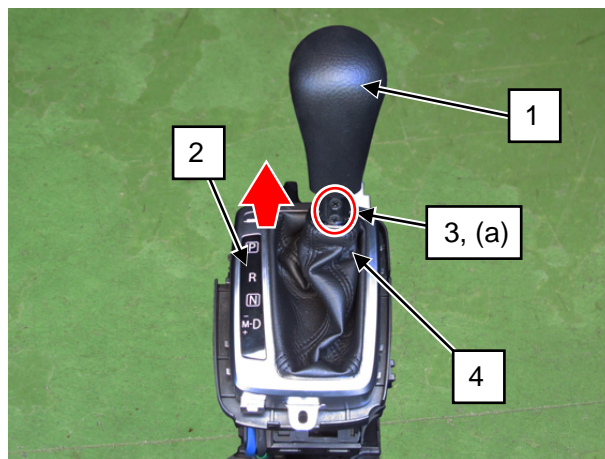


- 4) Install the select lever knob (1) to the select lever assembly (2), and then tighten the select lever knob screws (3) to the specified torque.

**Tightening torque**

**Select lever knob screw (a): 1.3 N·m (0.13 kgf-m, 1.0 lbf-ft)**

- 5) Slide the select lever knob cover (4) in the direction of the arrow shown in the picture to install it onto the select lever knob.

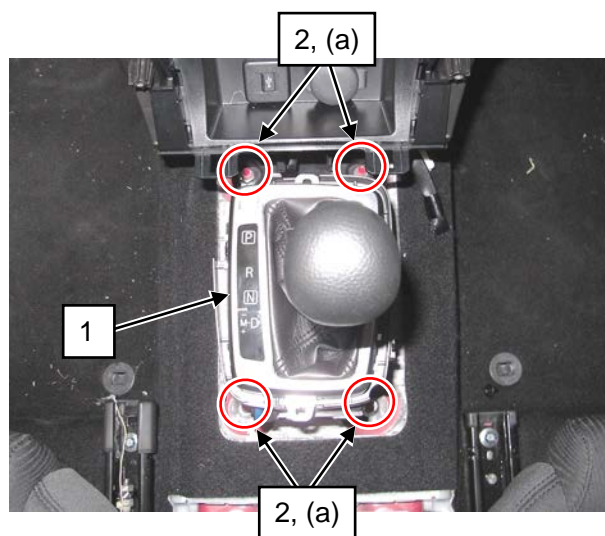


- 6) Install the select lever assembly (1) onto the floor panel, and then tighten the select lever nuts (2) to the specified torque.

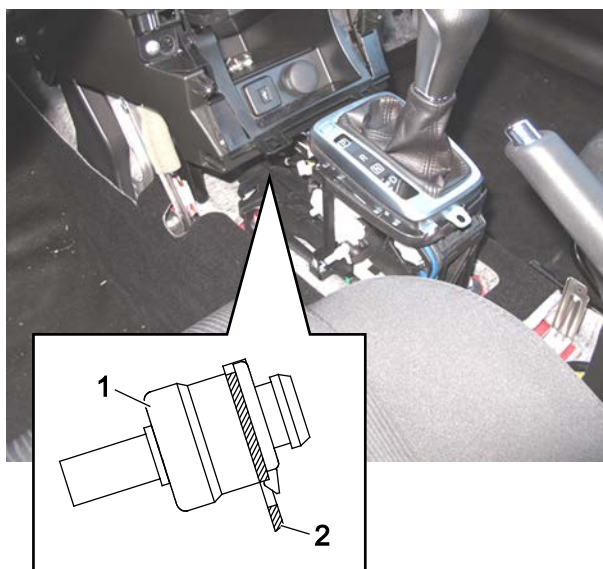
**Tightening torque**

**Select lever nut (a): 13 N·m (1.3 kgf-m, 9.5 lbf-ft)**

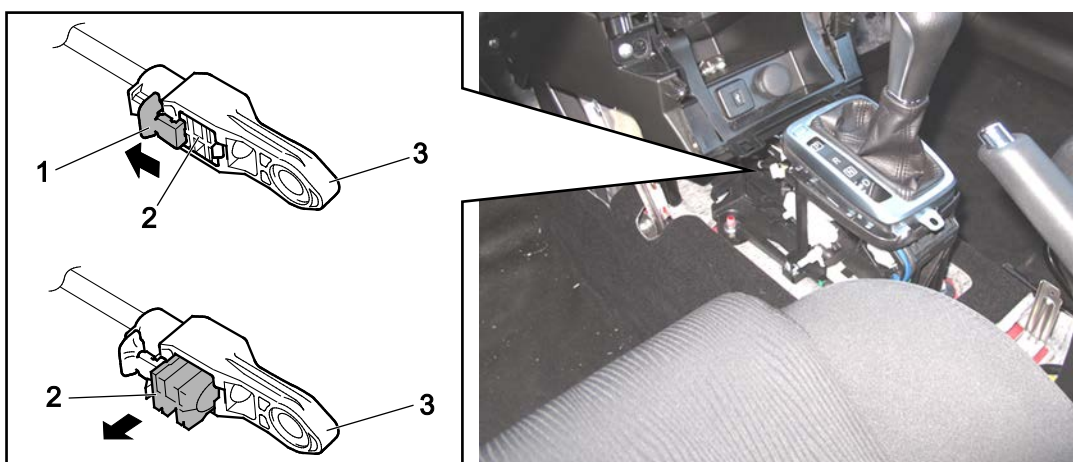
- 7) Connect the select lever connector (1).



- 8) Shift the select lever to N range.
- 9) Install the casing cap (1) onto the select lever bracket (2).

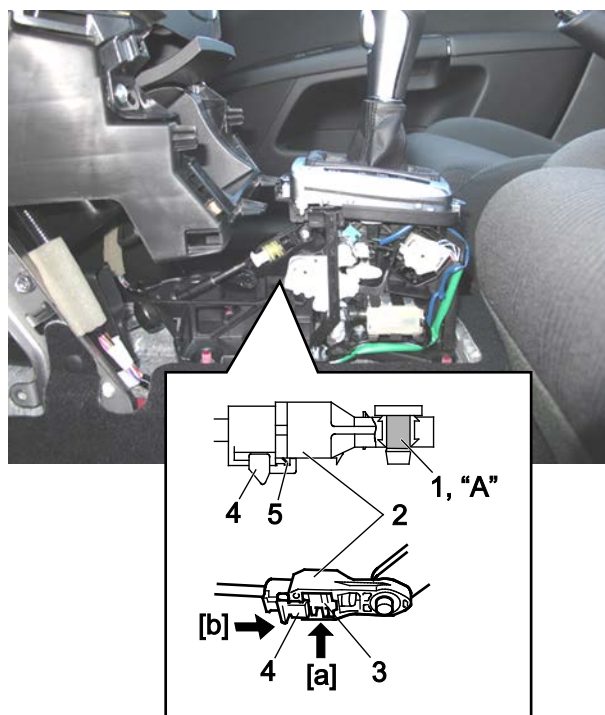


- 10) Release the lock plate (1) that blocks the lock piece (2).
- 11) Pull out the lock piece from the adjuster case (3) using pliers or a similar tool to disengage the cable.

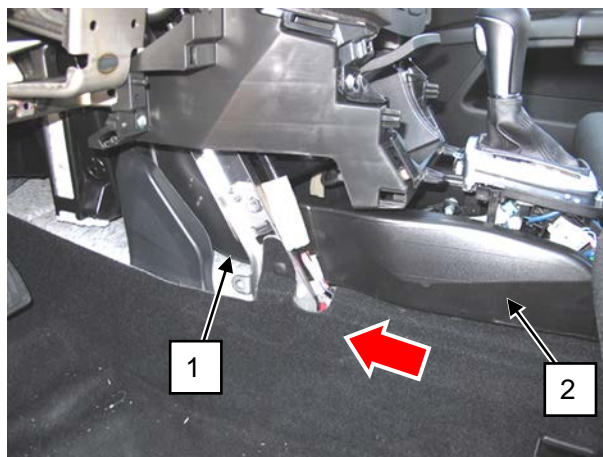


- 12) Apply grease to the select lever pin (1), and then fit the adjuster case (2) onto the select lever pin.
- “A”: Grease 99000-25011 (SUZUKI Super Grease A)**

- 13) Push the lock piece (3) in the direction of the arrow [a] as shown in the picture.
- 14) Slide the lock plate (4) in the direction of the arrow [b] as shown in the picture, until it gets over the claw (5).

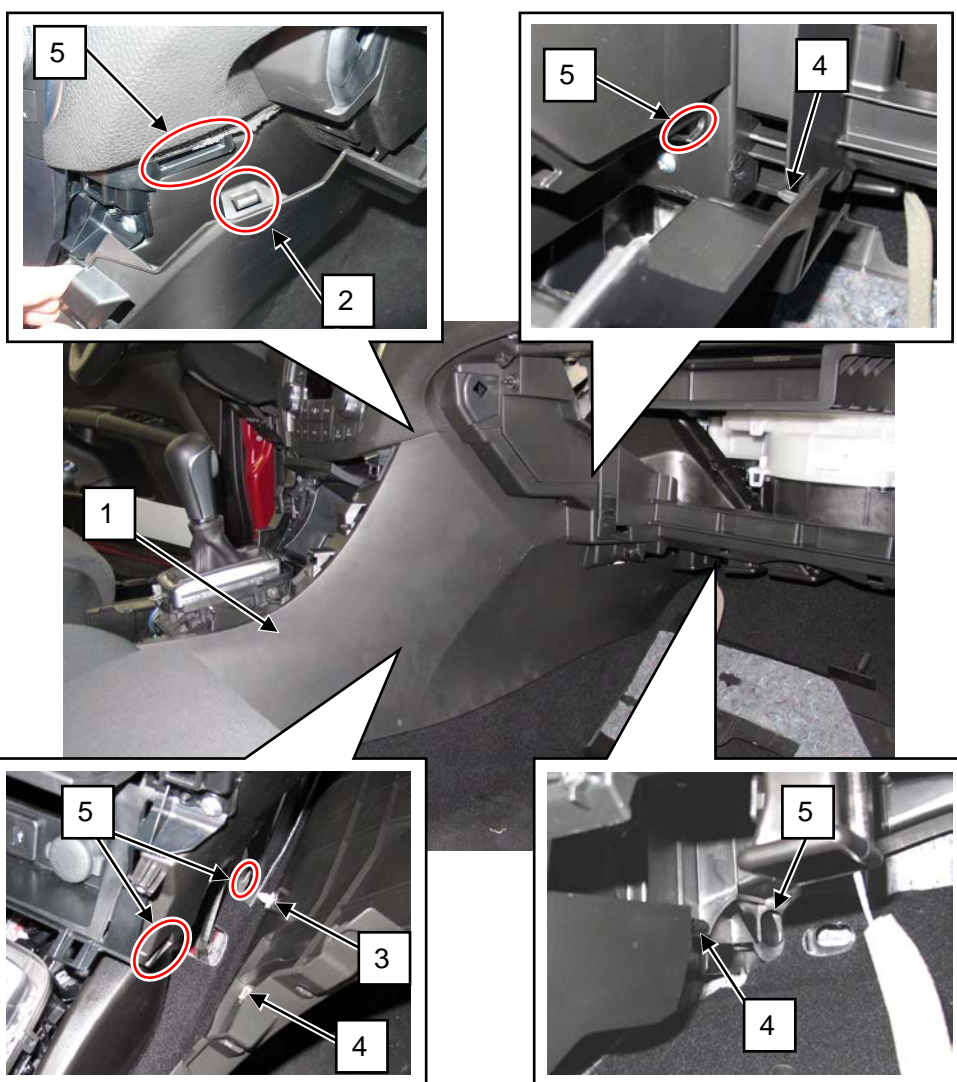


- 15) Install the rear ventilation duct No.2 (2) onto the rear ventilation duct No.1 (1).

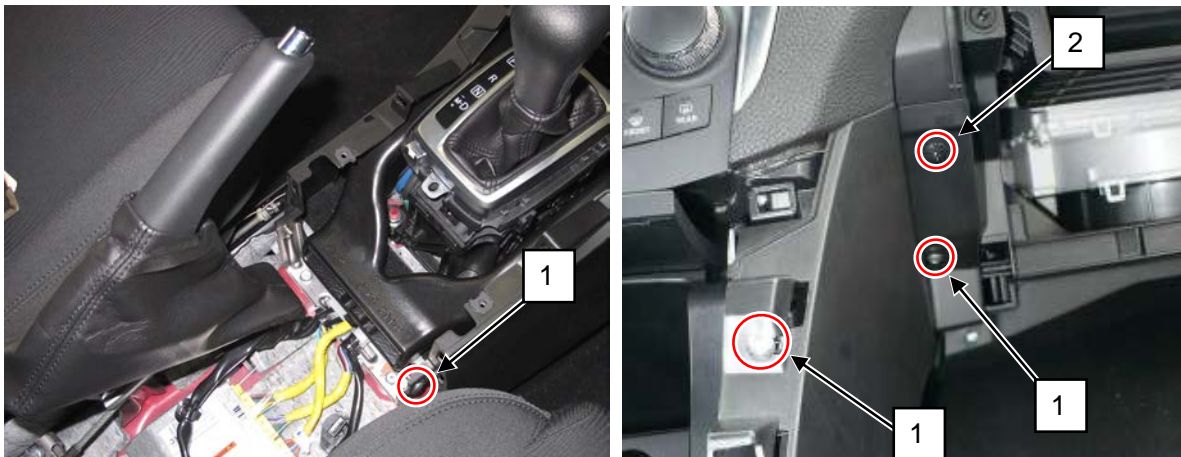


- 16) Install the passenger side floor console front panel (1) as follows.

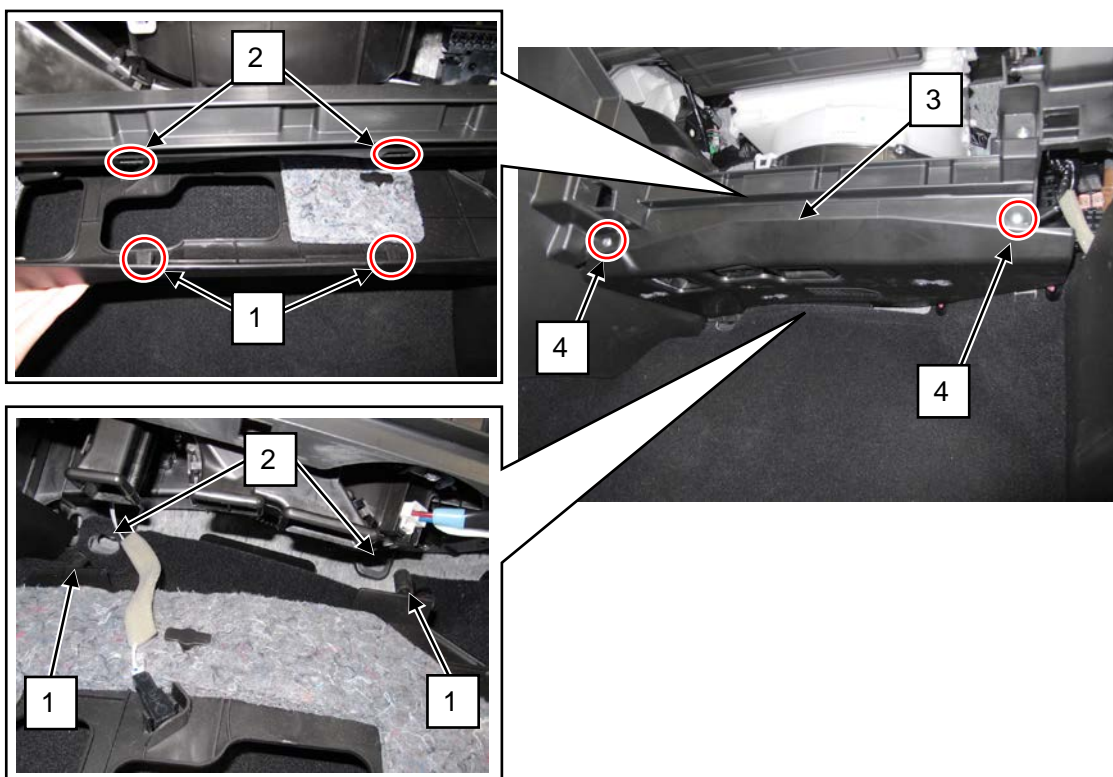
- a) While fitting the claw (2), clip (3), and positioning pins (4) into the corresponding holes (5), install the passenger side floor console front panel to the vehicle body.



b) Install the screws (1) and clip (2).

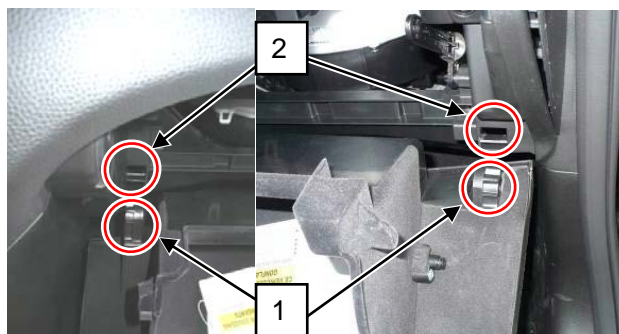


17) While fitting the positioning pins (1) into the corresponding holes (2), install the passenger side instrument panel undercover (3) to the vehicle body, and then install the screws (4).

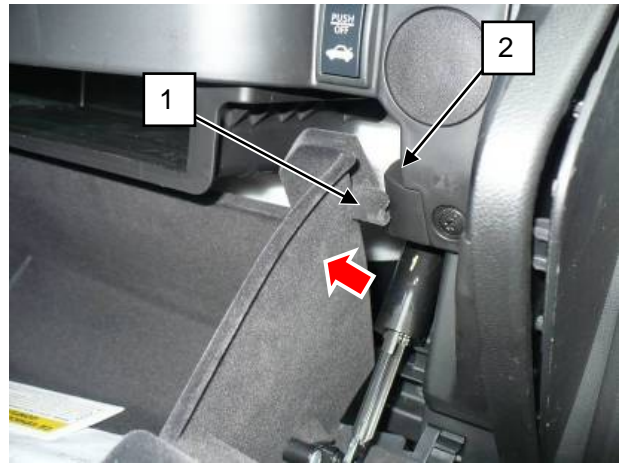


18) Install the glove box as follows.

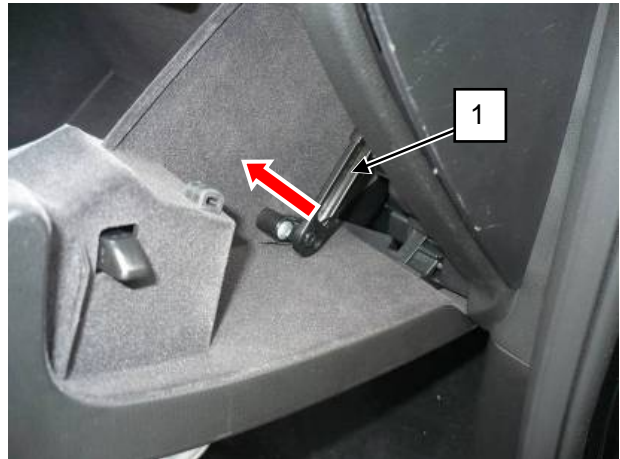
a) Firmly engage the hinge parts (1) of the glove box with the holes (2) on the left and right of the instrument panel (left and right, in total two pieces).



- b) While pressing the glove box sides inward in the direction of the arrow, push it toward the vehicle front until the projections (1) on the glove box jump over the projections (2) on the instrument panel side.



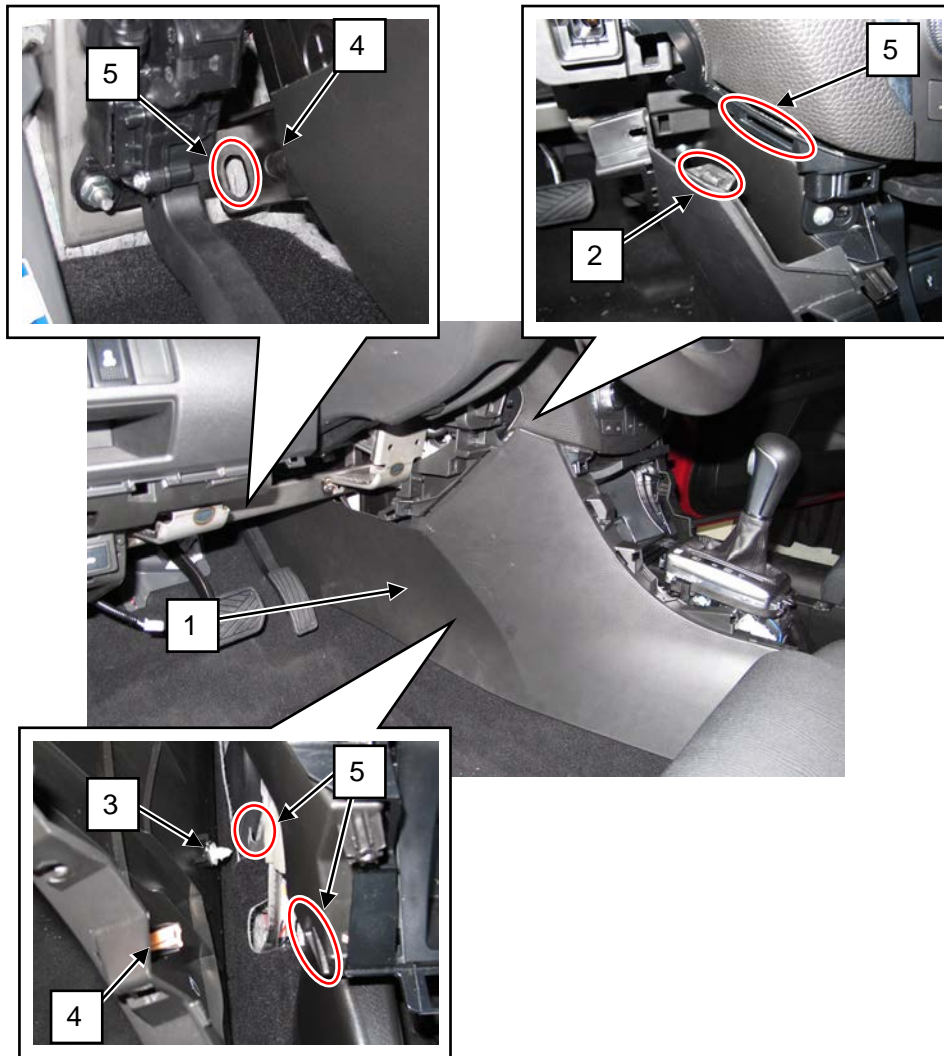
- c) Fit the damper (1) onto the positioning pin on the glove box.



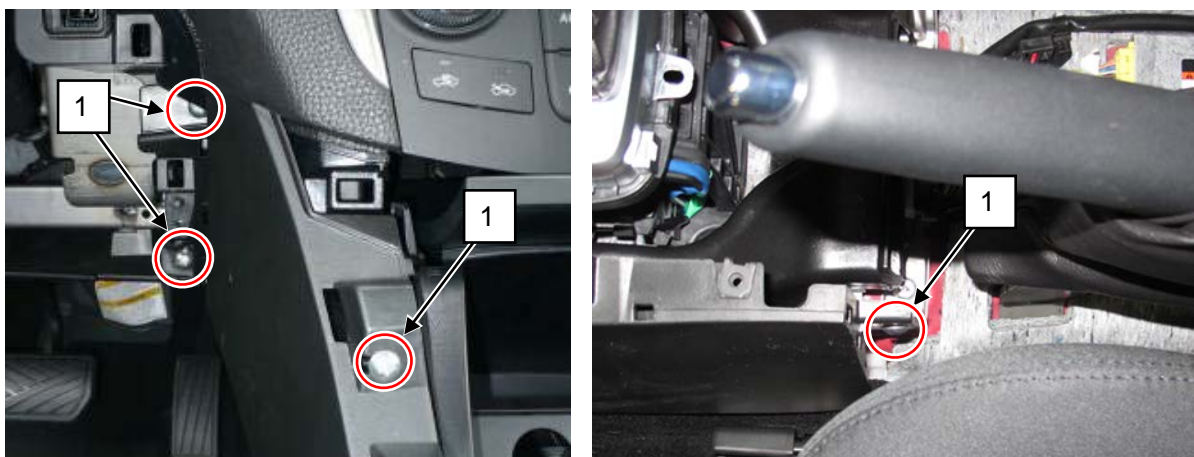


19) Install the driver side floor console front panel (1) as follows.

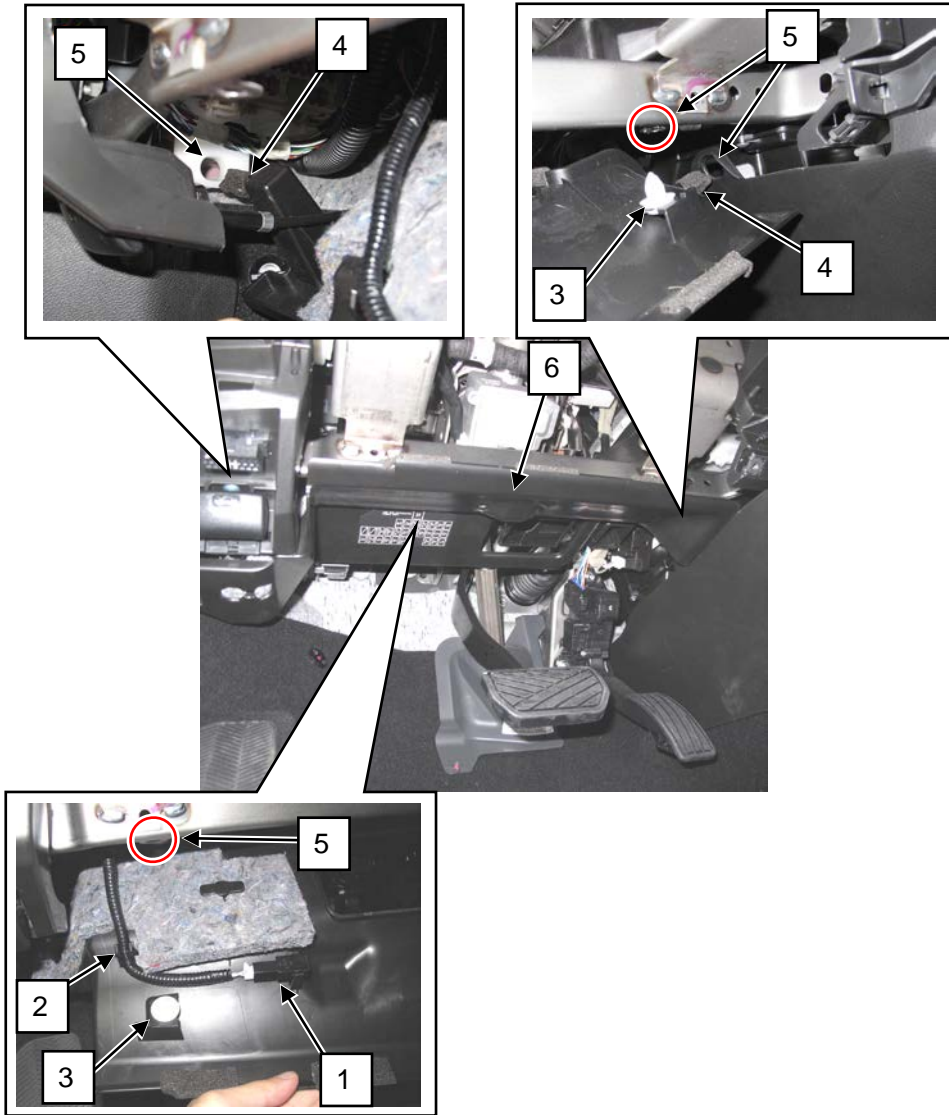
- a) While fitting the claw (2), clip (3), and positioning pins (4) into the corresponding holes (5), install the driver side floor console front panel to the vehicle body.



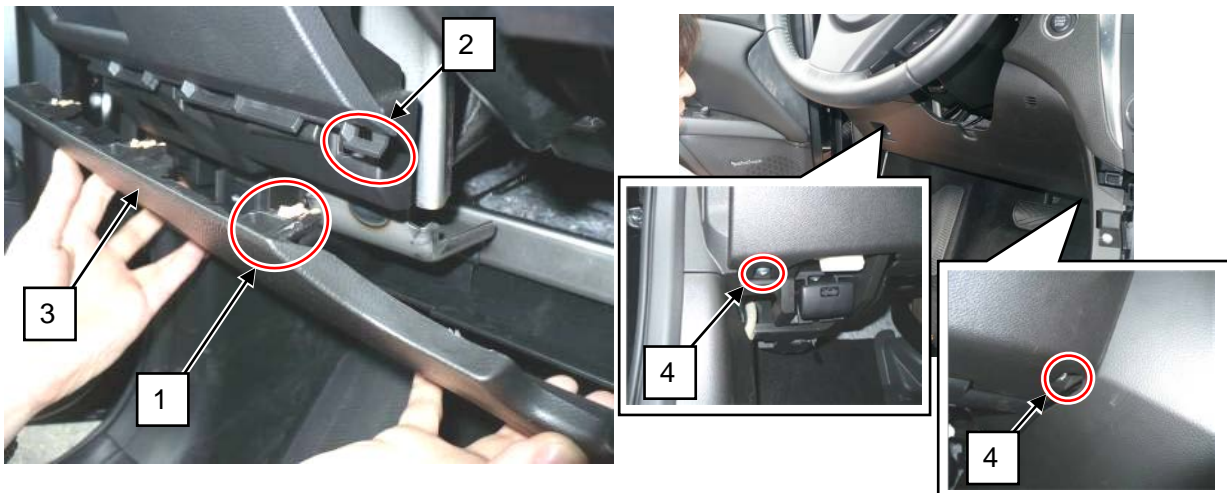
- b) Install the screws (1).



- 20) Install the foot light (1) to the driver side instrument panel undercover (6), and then secure the wiring harness using the claw (2).
- 21) While fitting the clips (3) and positioning pins (4) into the corresponding holes (5), install the driver side instrument panel undercover to the vehicle body.

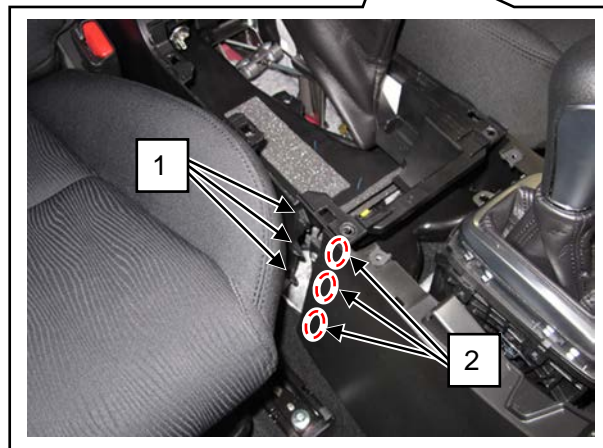


- 22) While fitting the 7 positioning pins (1) into the corresponding holes (2), install the steering column hole cover (3) to the vehicle body, and then install the screws (4).



23) Install the floor console rear as follows.

- a) While fitting the claws (1) into the corresponding holes (2), install the floor console rear (3) onto the floor console front panel (4).



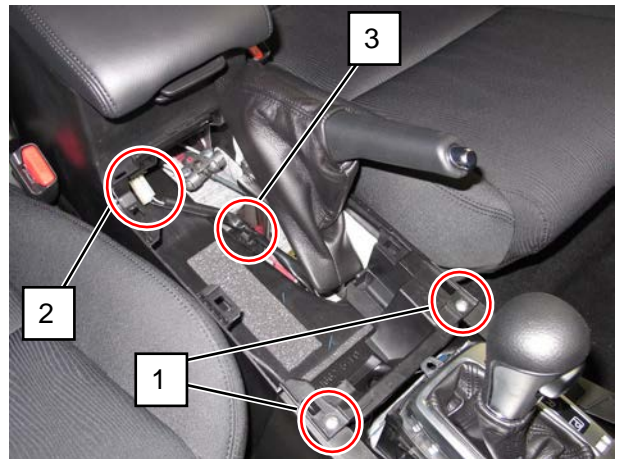
- b) Slide the driver seat and passenger seat forward completely.
- c) Install the floor console rear screws (1) on both sides.



- d) Install the floor console rear caps (1) on both sides.



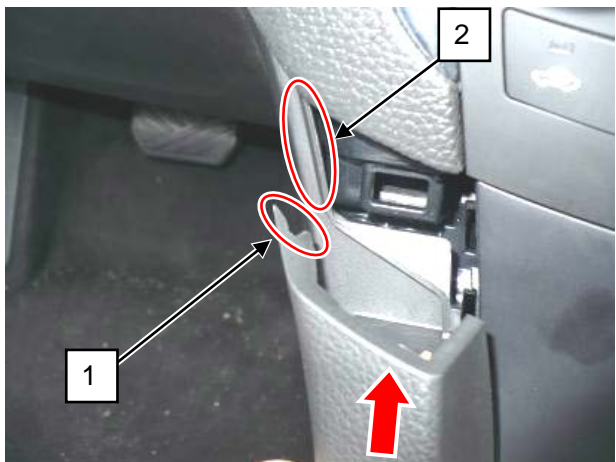
- e) Install the screws (1).
- f) Connect the accessory socket connector (2) and clamp (3).



- 24) Install the left and right floor console front garnishes by pushing them toward the front of the vehicle.

**NOTE**

**Engage the fitting tabs (1) of the floor console front garnish with the rib parts (2) on the instrument panel side.**



- 25) Install the console rear panel (1).



- 26) With the lid of the floor console rear open, fit the console rear panel (1).

**NOTE**

**Confirm that the parking brake lever cover is fitted, with its end engaged with the stepping part (2) of the parking brake lever.**



- 27) Open the lid of the instrument panel center lower box.
- 28) While fitting the positioning pins (1) into the corresponding holes (2), install the gearshift garnish pressing it downward.



- 29) Install a new indicator cap (replacement part) onto the select lever indicator.



- 30) Check the following points.
  - Select lever can be operated smoothly.
  - Select lever illumination light comes on when the clearance light is turned on.
  - Engine starts in P and N ranges but does not start in other ranges.
  - Back up light turns on when the select lever is shifted to R range.
  - Shift position indicator display is consistent with the select lever position.
- 31) Slide the driver and passenger seats to their original positions.

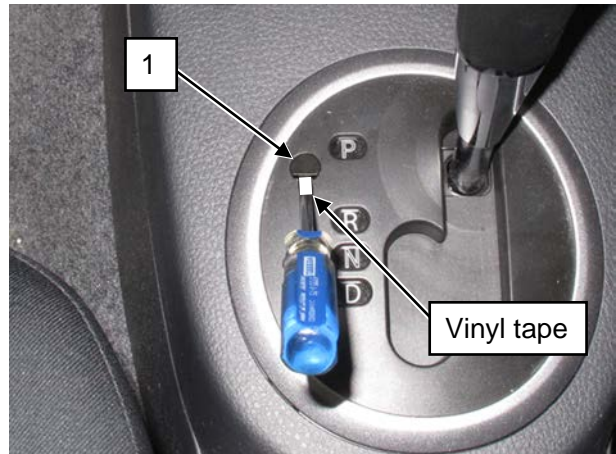
## SX4

### [1] Removal

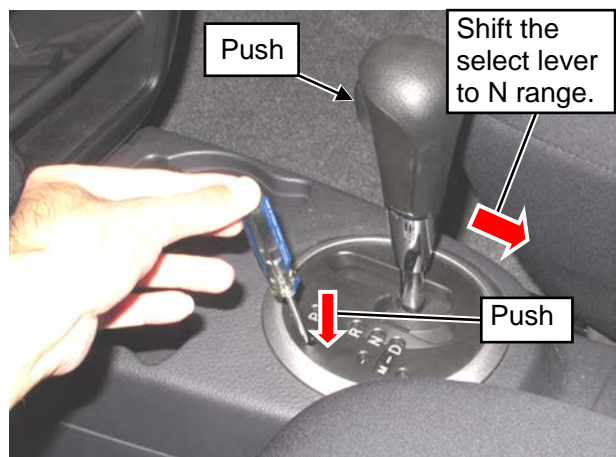
#### NOTICE

- Resin parts get easily scratched.  
Be sure to cover the tool tip with a shop cloth, vinyl tape, etc. when removing resin parts so as not to scratch them.
- The wiring harness can be severed if a pulling force is applied.  
Do not pull the wiring harness when removing the connector and bulb.

- 1) Fully apply the parking brake.
- 2) Remove the indicator cap (1) from the select lever indicator using a flat-bladed screwdriver with its tip covered with vinyl tape.



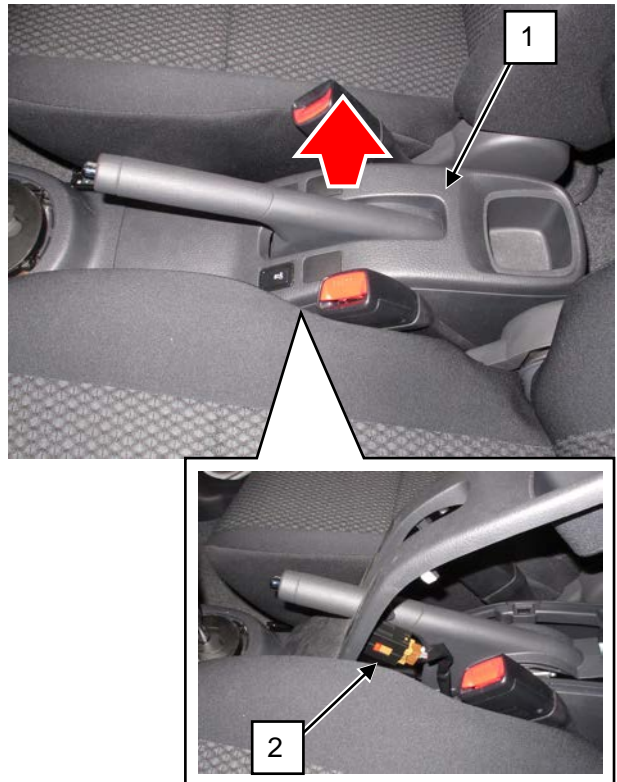
- 3) While pushing on the shift lock manual release button with a flat-bladed screwdriver or a similar tool, shift the select lever to N range.



- 4) Remove the rear console box garnish (1), and then disconnect the connector (2).

**NOTE**

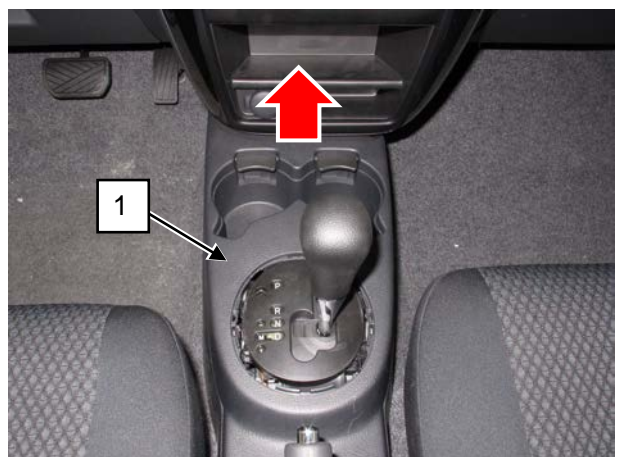
**The number of connectors differs depending on the vehicle specification.**



- 5) Remove the shift lever ornament (1) by pulling it upward.

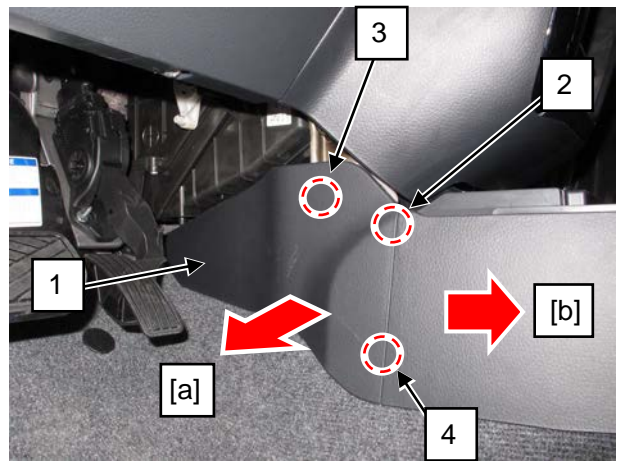


- 6) Remove the front console box garnish (1) by pulling it upward.

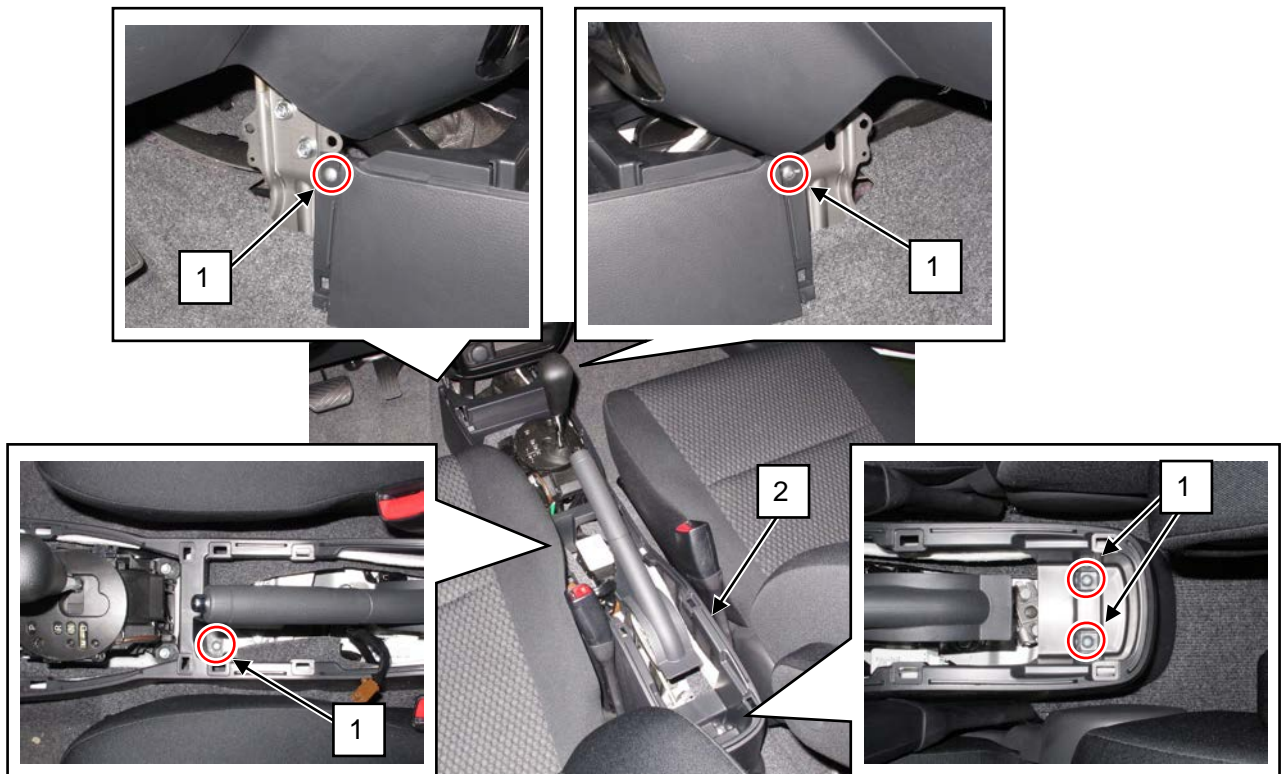


7) Remove the console side covers (1) on both sides as follows.

- a) Pull the console side cover in the direction of the arrow [a], and then release the claw (2), clip (3) and positioning pin (4) from the vehicle body.
- b) Remove the console side cover by pulling it in the direction of the arrow [b].

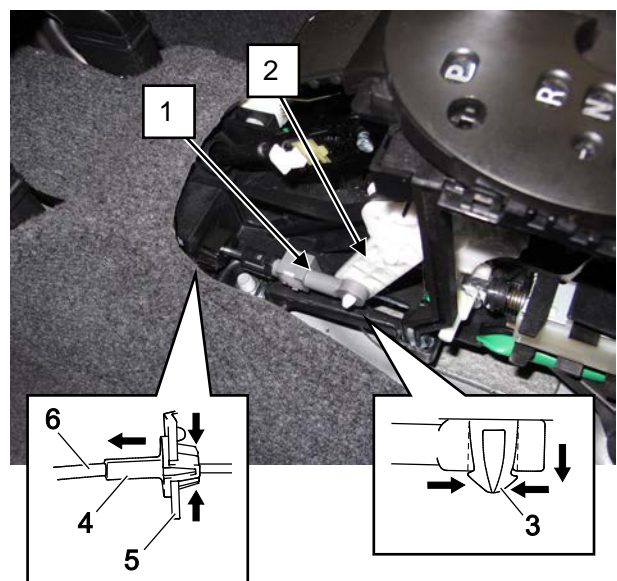


8) Remove the screws (1), and then remove the console box (2).



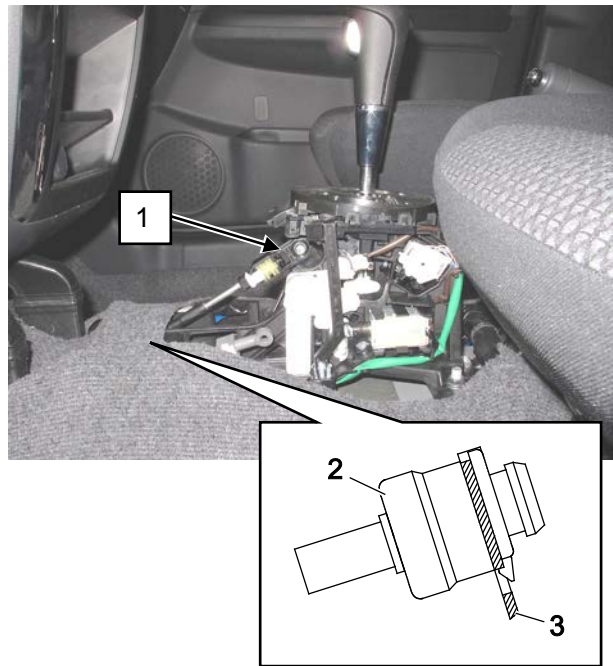
9) Disconnect the interlock cable as follows.

- a) Shift the select lever to P range.
- b) Detach the interlock cable end (1) from the interlock cam (2) while pressing the claws (3) of the interlock cam boss. At this time, be careful not to damage its claws.
- c) Detach the casing cap (4) from the select lever bracket (5) while pressing the check hook.
- d) Disconnect the interlock cable (6).

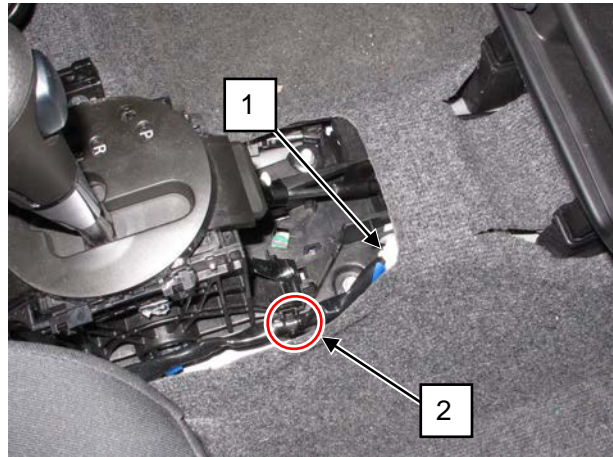




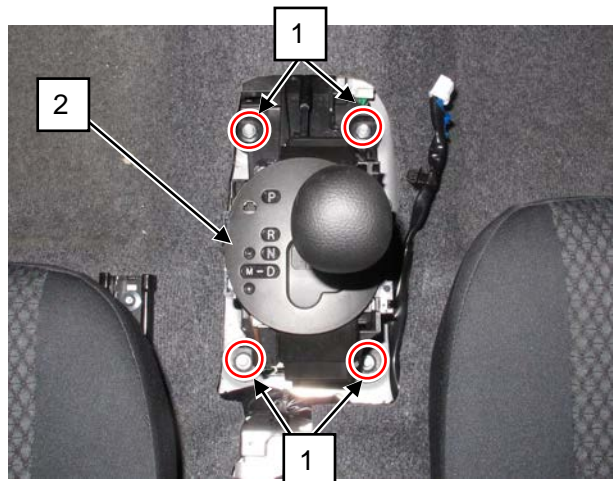
- 10) Shift the select lever to N range.
- 11) Detach the select cable end (1) from the select lever pin of the select lever assembly, and then detach the casing cap (2) from the select lever bracket (3).



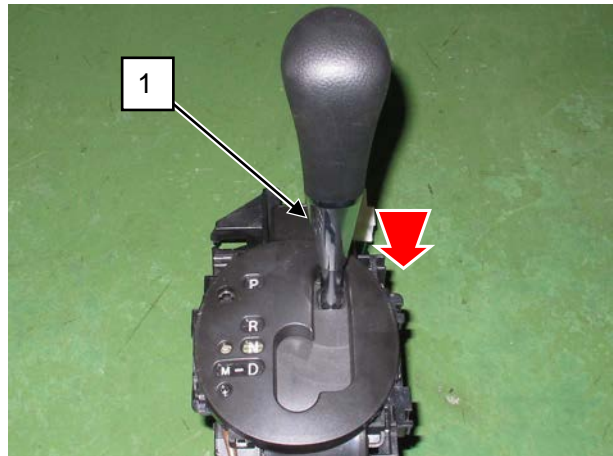
- 12) Remove the select lever assembly as follows.
  - a) Disconnect the select lever connector (1) and clamp (2).



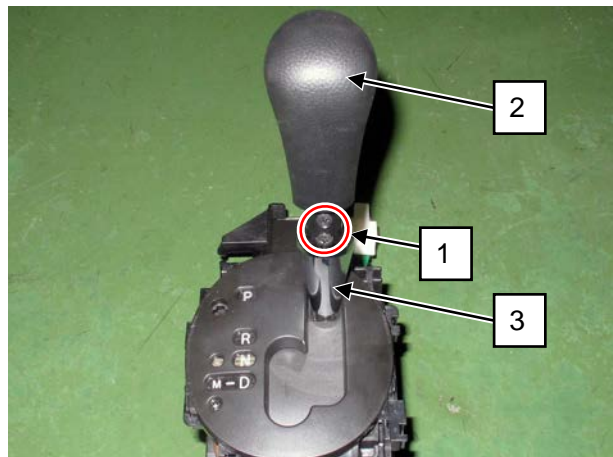
- b) Remove the nuts (1), and then remove the select lever assembly (2).



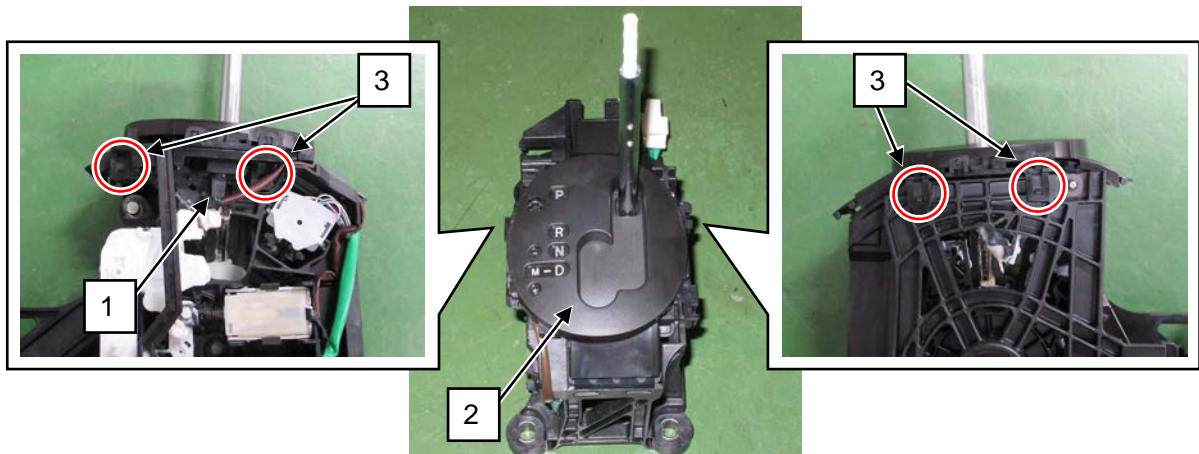
- 13) Slide the select lever knob cover (1) in the direction of the arrow.



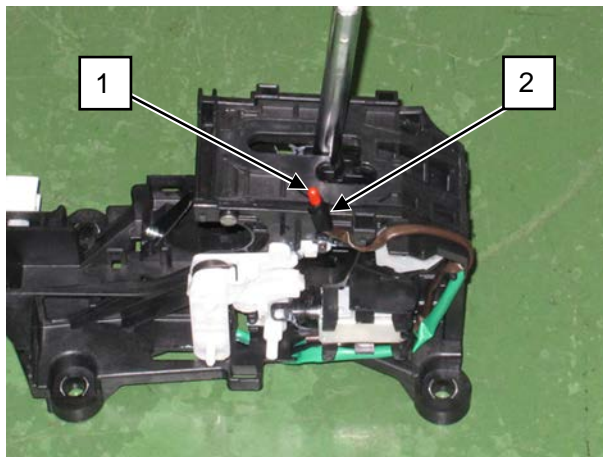
- 14) Remove the screws (1), and then remove the select lever knob (2) and cover (3).



- 15) Disconnect the select lever illumination light assembly (1) from the select lever indicator (2).  
16) Detach the claws (3) of the select lever indicator from the select lever assembly, and then remove the select lever indicator.



17) Remove the bulb (1) from the bulb socket (2).



## [2] Installation

- 1) Install the removed bulb (1) to the bulb socket (2) on a new select lever assembly (replacement part).

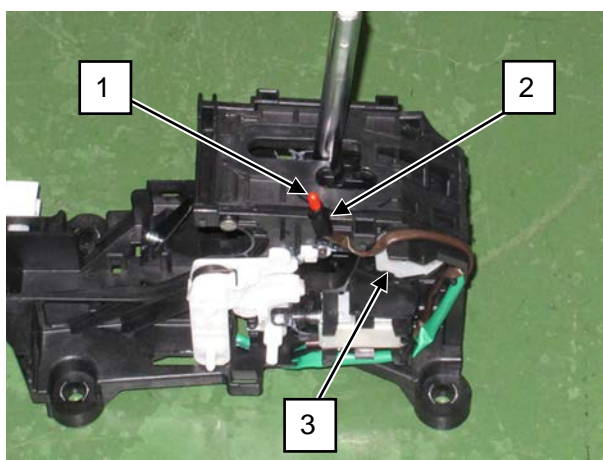
### NOTICE

The manual mode switch (3) on the select lever assembly may be damaged if a force is applied.

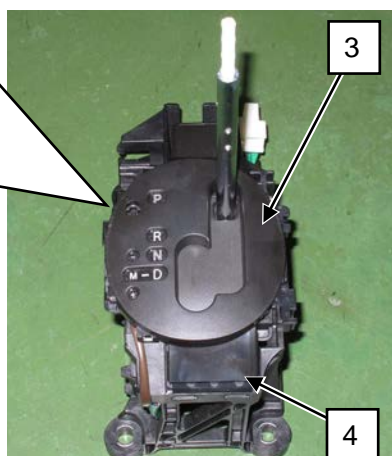
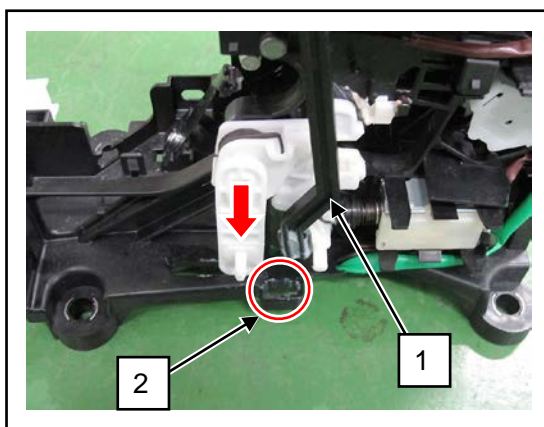
Do not touch the manual mode switch during the work.

### NOTE

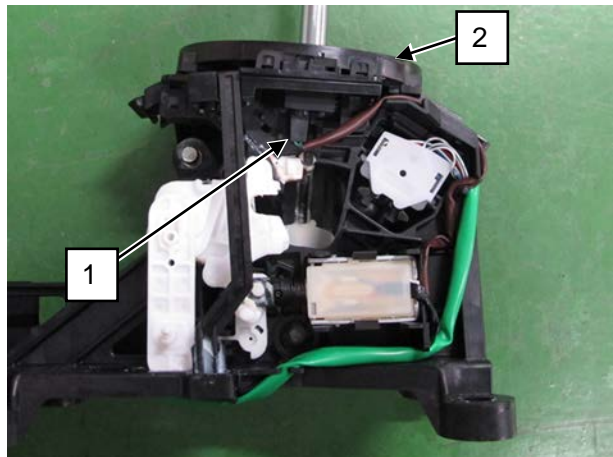
Be sure that there is an identification mark (Orange) on the select lever assembly (replacement part).



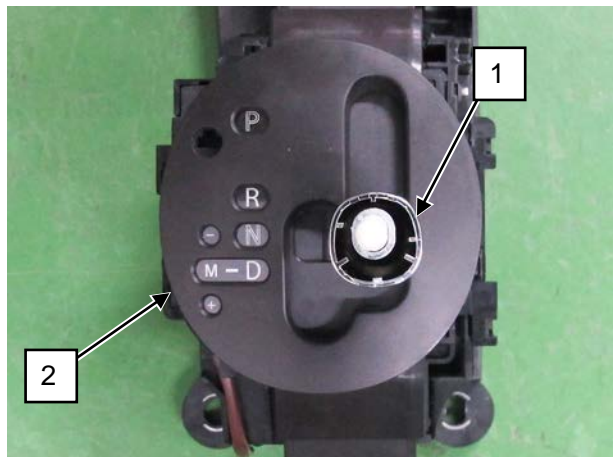
- 2) While inserting the tip of the shift lock solenoid release plate (1) into the hole (2), install the select lever indicator (3) onto the select lever assembly (4).



- 3) Install the select lever illumination light assembly (1) onto the select lever indicator (2), and then route the wiring harness as shown in the picture.



- 4) Install the select lever knob cover (1) onto the select lever assembly (2) as shown in the picture.

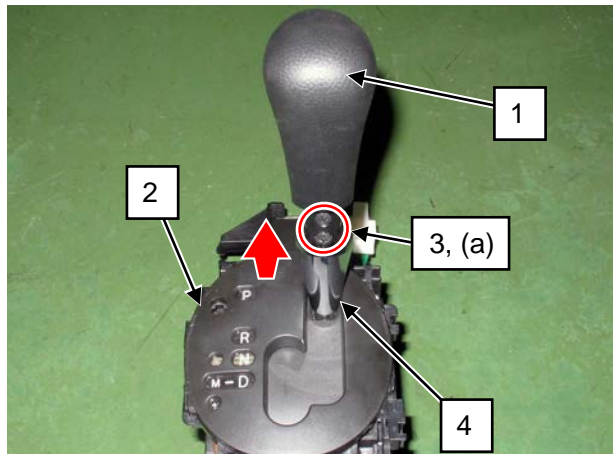


- 5) Install the select lever knob (1) onto the select lever assembly (2), and then tighten the select lever knob screws (3) to the specified torque.

**Tightening torque**

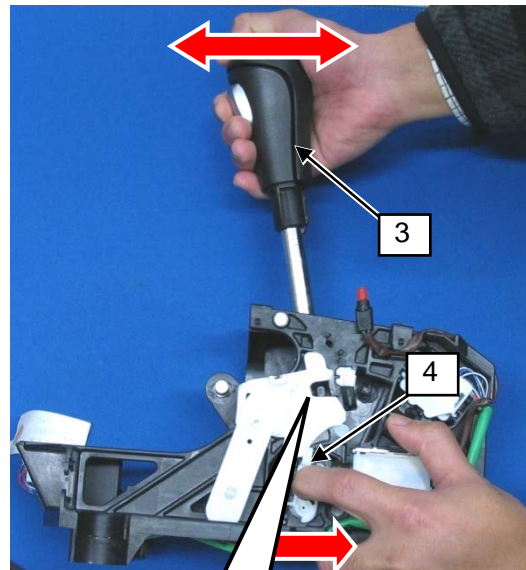
**Select lever knob screw (a): 1.3 N·m (0.13 kgf-m, 1.0 lbf-ft)**

- 6) Slide the select lever knob cover (4) in the direction of the arrow to install it onto the select lever knob.



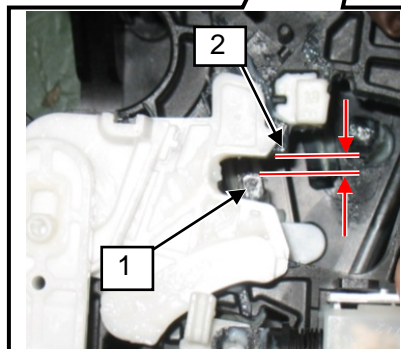
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- 7) At each step of a) and b), check that the select lever can be shifted from P to N, and from N to P.  
If the select lever cannot be shifted due to any problem (notchy feeling, interference, stuck, etc.), replace the select lever shift knob (3) with a new one.
- a) Pull and hold the shift lock release lever (4) in the release direction. While depressing the select lever button slowly and softly, shift the select lever from P to N, and from N to P.
  - b) Pull and hold the shift lock release lever (4) in the release direction. While depressing the select lever button quickly and firmly, shift the select lever from P to N, and from N to P.



**Clearance between detent pin (1) and select lever assembly bottom edge (2) (reference)**

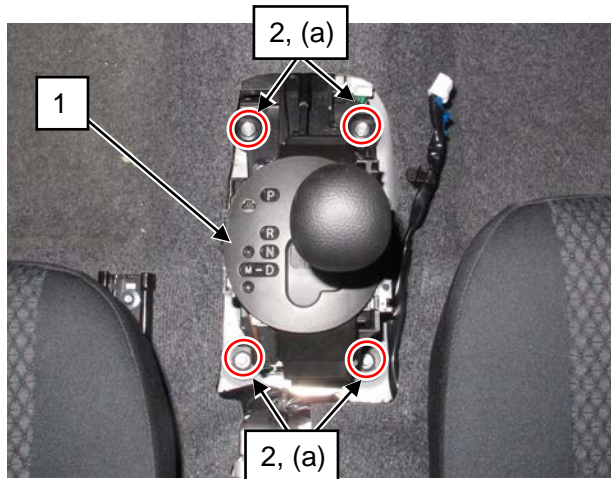
**: 0.5 to 2.0 mm (0.02 to 0.07 in.)**



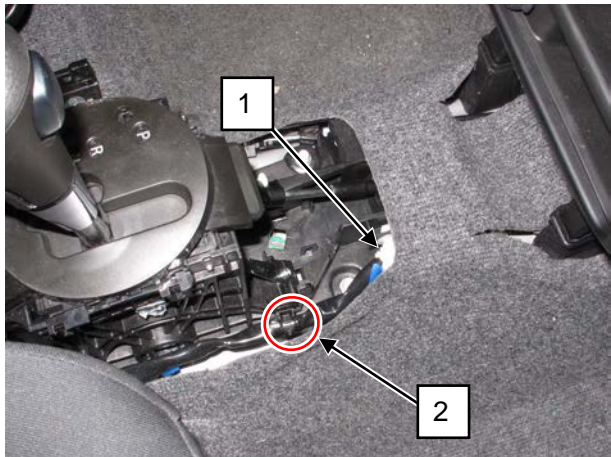
- 8) Install the select lever assembly (1) onto the floor panel, and then tighten the select lever nuts (2) to the specified torque.

**Tightening torque**

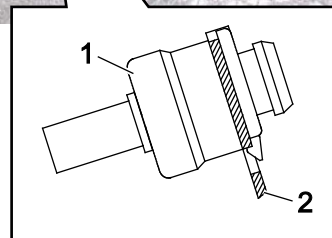
**Select lever nut (a): 13 N·m (1.3 kgf-m, 9.5 lbf-ft)**



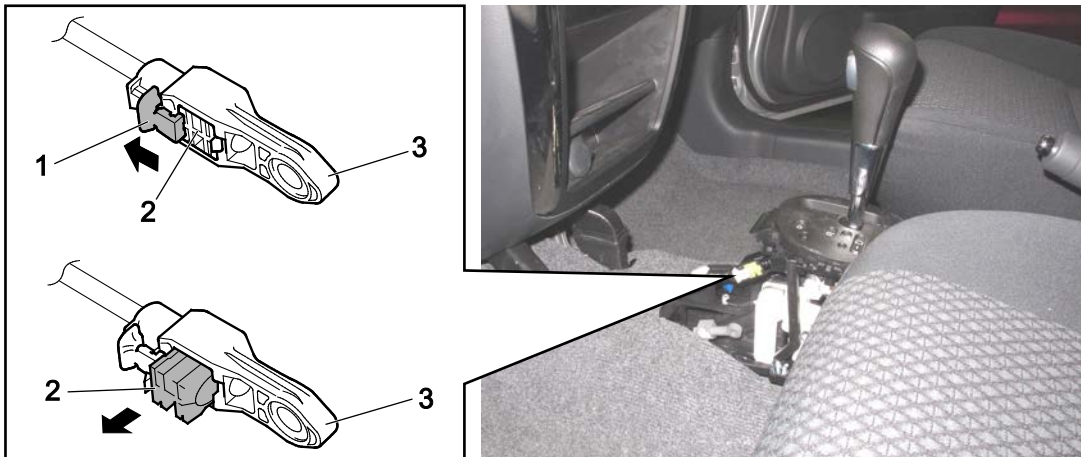
- 9) Connect the select lever connector (1) and clamp (2).



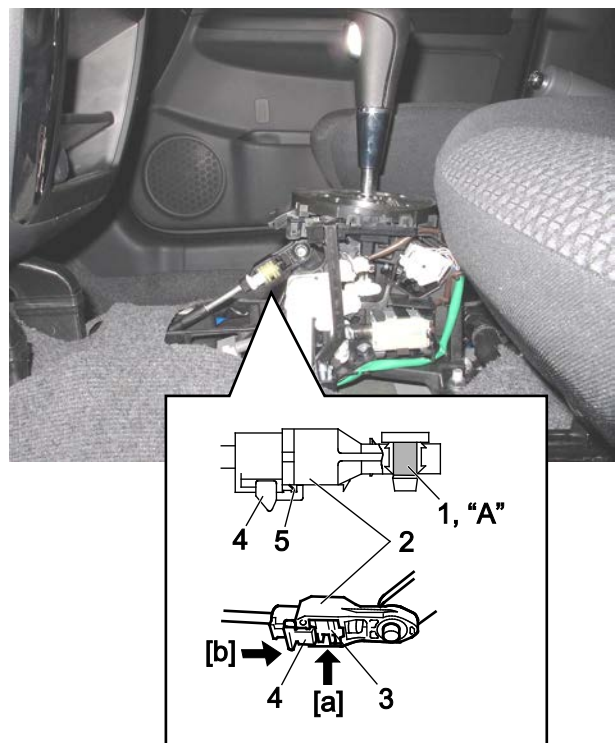
- 10) Shift the select lever to N range.  
11) Install the casing cap (1) onto the select lever bracket (2).



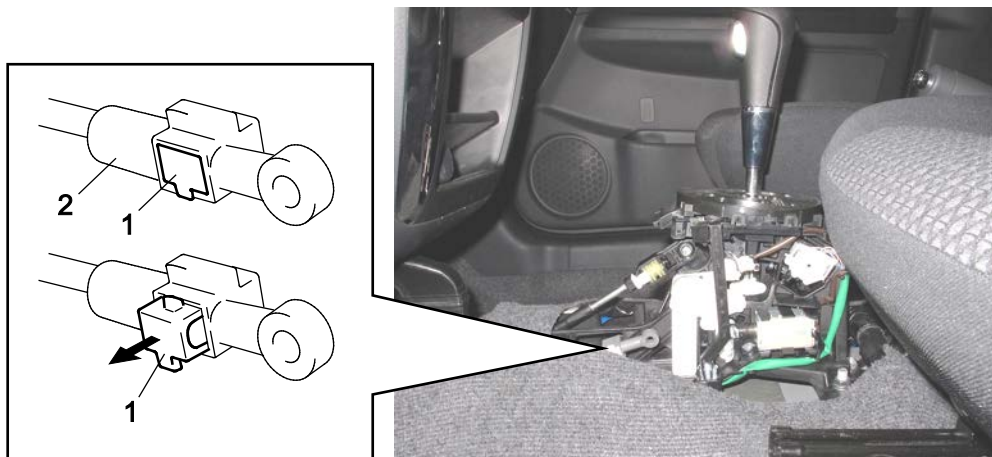
- 12) Release the lock plate (1) that blocks the lock piece (2).
- 13) Pull out the lock piece from the adjuster case (3) using pliers or the like to disengage the cable.



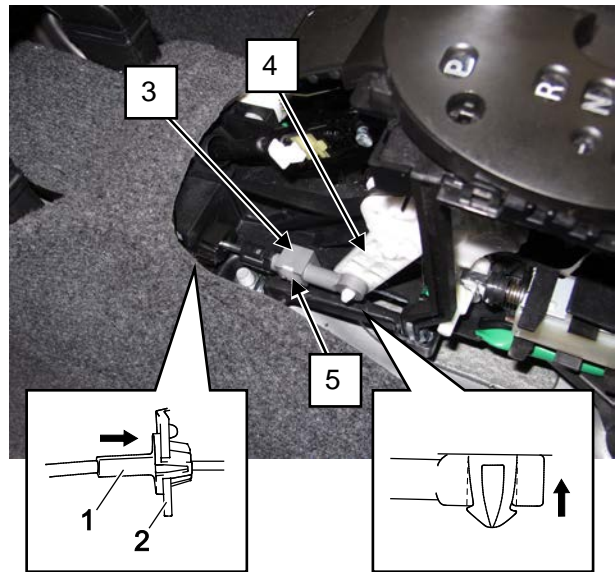
- 14) Apply grease to the select lever pin (1), and then fit the adjuster case (2) onto the select lever pin.
- “A”:** Grease 99000-25011 (SUZUKI Super Grease A)
- 15) Push the lock piece (3) in the direction of the arrow [a] as shown in the picture.
- 16) Slide the lock plate (4) in the direction of the arrow [b] as shown in the picture, until it gets over the claw (5).



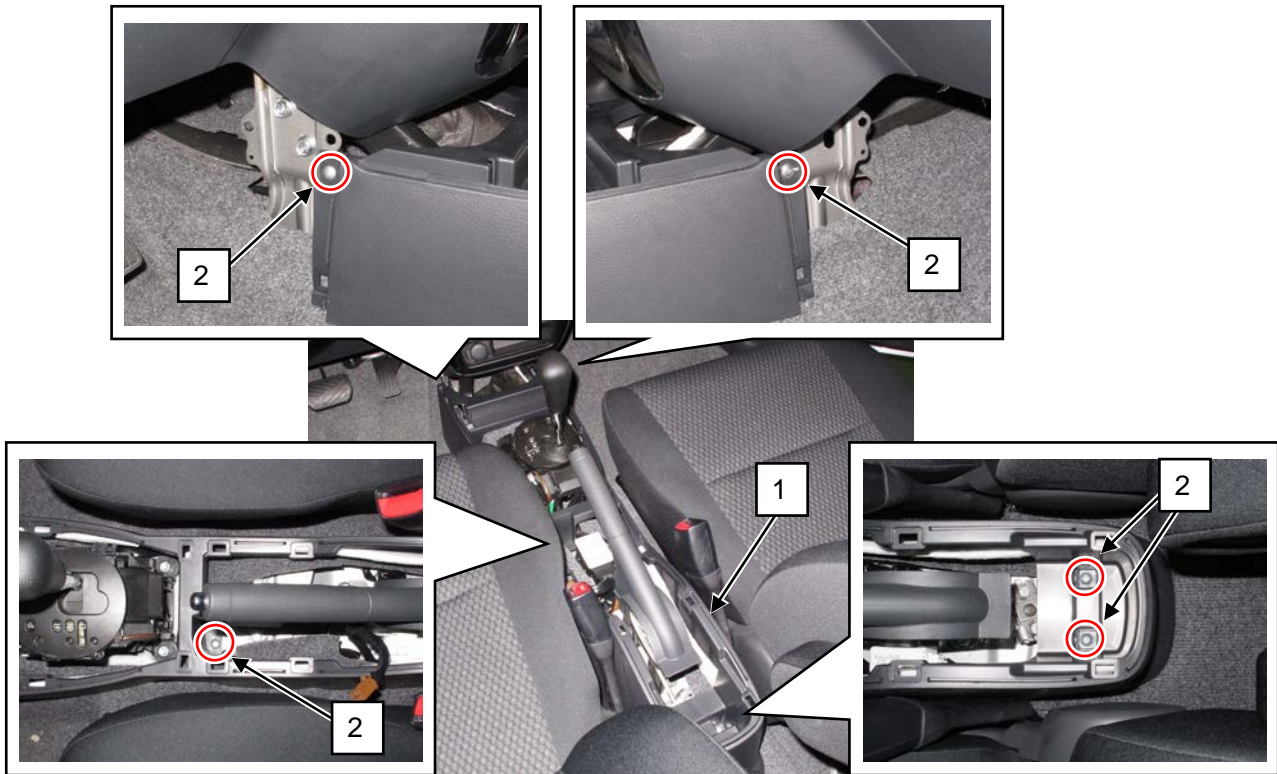
- 17) Pull out the lock button (1) from the interlock cable end (2).



- 18) Install the casing cap (1) to the select lever bracket (2).
- 19) Turn the ignition switch to the "ACC" position and connect the interlock cable end (3) to the interlock cam (4).
- 20) Push the lock button (5) into the interlock cable end until it clicks so that there is no cable expansion and contraction.



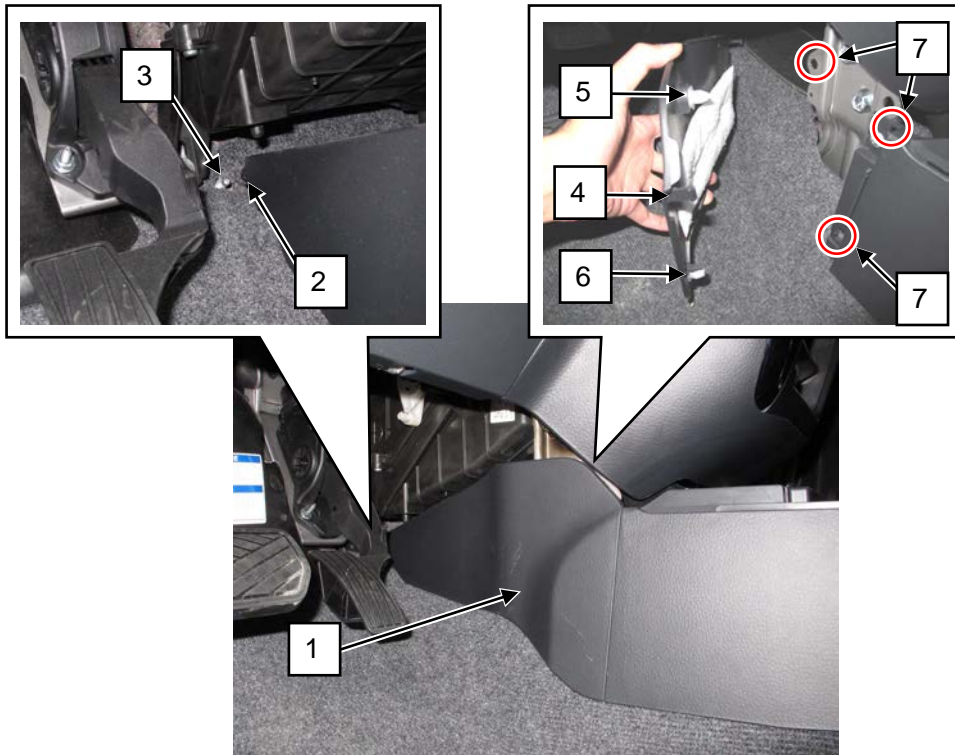
- 21) Install the console box (1), and then tighten the screws (2).





22) Install the console side covers (1) on both sides as follows.

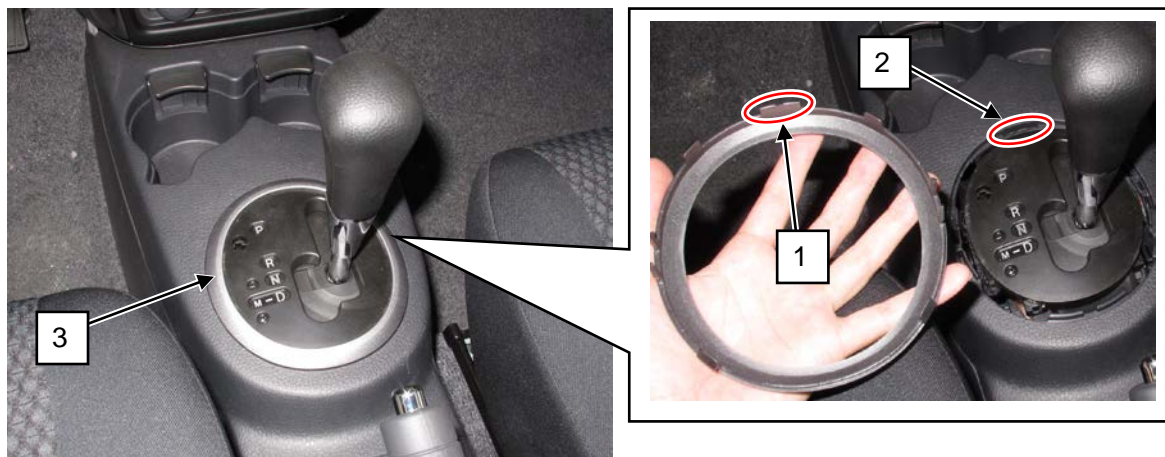
- a) Fit the positioning pin (2) onto the stud bolt (3), and fit the claw (4), clip (5), and positioning pin (6) into the corresponding holes (7).
- b) Install the console side cover.



23) Install the front console box garnish (1).



24) While fitting the positioning claw (1) into the corresponding hole (2), install the shift lever ornament (3).



25) Connect the connector (1), and then install the rear console box garnish (2).

**NOTE**

**The number of connectors differs depending on the vehicle specification.**

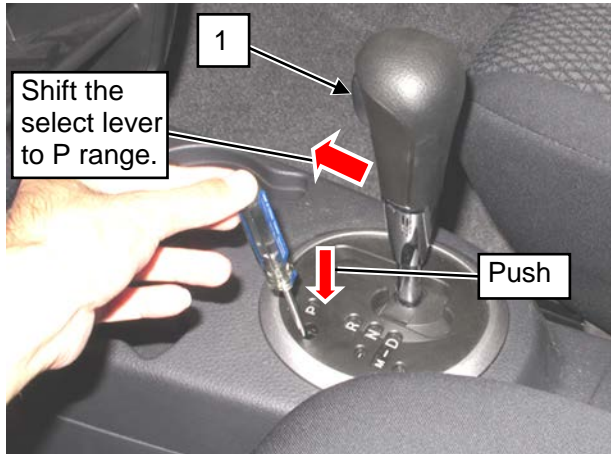


26) Check the following points.

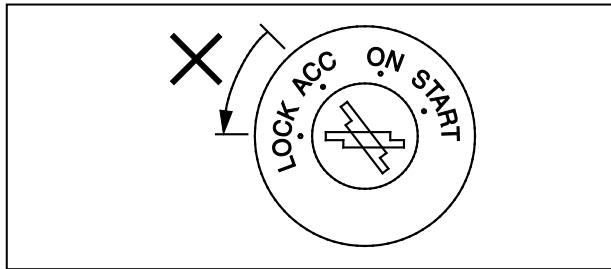
- Select lever can be operated smoothly.
- Select lever illumination light comes on when clearance light is turned on.
- Engine starts in P and N ranges but does not start in other ranges.
- Back up light turns on when the select lever is shifted to R range.
- Shift position indicator display is consistent with the select lever position.

27) Check the key interlock for proper operation as follows.

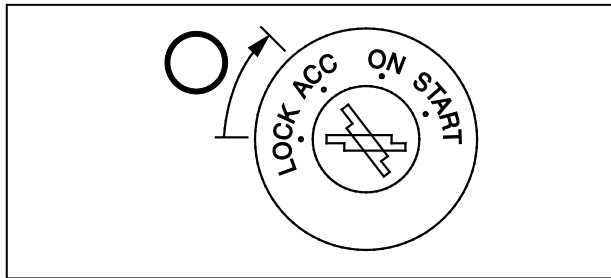
- a) Shift the select lever to P range and set the ignition switch to "ACC".
- b) While pushing the shift lock solenoid release plate through the cap hole using a flat-bladed screwdriver, press the select lever button (1).



- c) Under the condition in Step b), check that the ignition switch cannot be turned from the "ACC" to the "LOCK" position.



- d) Release the select lever button. Check that the ignition switch can be turned from the "ACC" to the "LOCK" position. If a faulty condition is found, reinstall the key interlock cable.



28) Install the indicator cap (replacement part) onto the select lever indicator.



29) Slide the driver and passenger seats to their original positions.