

T-SB-0147-13

September 27, 2013

Telescopic Lever Detent Clip Replacement

Service Category Steering

Section Steering Column

Market USA

Toyota Supports ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2005 – 2012	Avalon	

SUPERSESSON NOTICE

The information contained in this bulletin supersedes SB No. T-SB-0090-12.

- Applicability has been updated to include 2005 – 2008 model year Avalon vehicles.
- The entire bulletin has been updated.

Service Bulletin No. T-SB-0090-12 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this bulletin before proceeding.

Introduction

Some 2005 – 2012 model year Avalon vehicles may exhibit a looseness when securing the telescopic adjustment lever on the steering column. A new adjustment lever Detent Clip has been developed to address this condition. Please follow the procedure in this bulletin to replace the telescopic lever Detent Clip.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	COLUMN TYPE	PRODUCTION CHANGE EFFECTIVE VIN
Avalon	TMMK	E-Lock	4T1BK3DB#CU458174
		Key Lock	4T1BK3DB#CU458165

Telescopic Lever Detent Clip Replacement

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
ST1304	R & R Detent Clip	0.7	45250-AC012 45250-AC022	9A	81

APPLICABLE WARRANTY

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QTY
45887-07010	Clip, Detent	1

Repair Procedure

1. Confirm that the steering telescopic lever will loosen when light force is applied to the top of the steering wheel or while there is vibration while driving.
2. Align front wheels facing straight ahead.
3. Disconnect cable from negative (-) battery terminal.

CAUTION

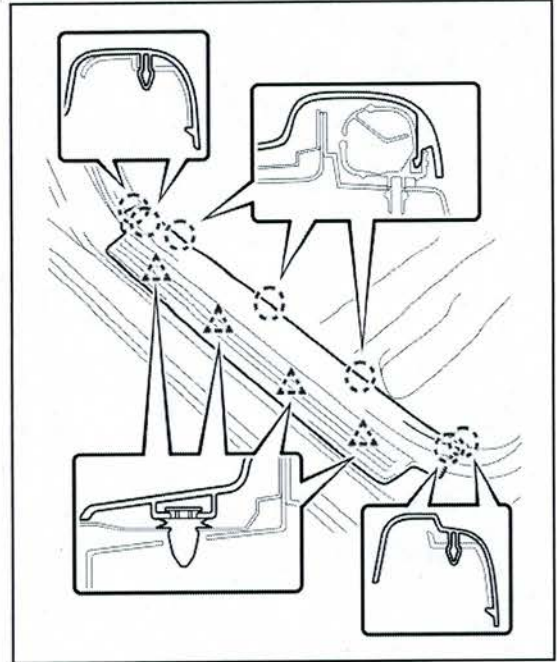
- Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.
- Some of the operations performed in this bulletin affect the SRS system. Please review the precautionary notices in the Repair Manual concerning the SRS system before servicing.

Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

4. Remove front door scuff plate LH by disengaging the 4 clamps and 7 claws.

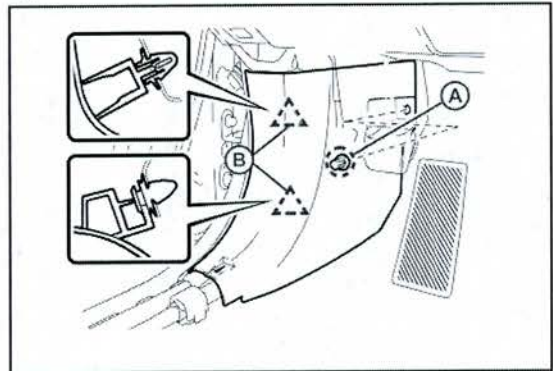
Figure 1.



5. Remove cowl side trim sub-assembly LH.

- A. Remove the clip (A).
- B. Disengage the 2 clips (B) and remove the cowl side trim sub-assembly LH.

Figure 2.

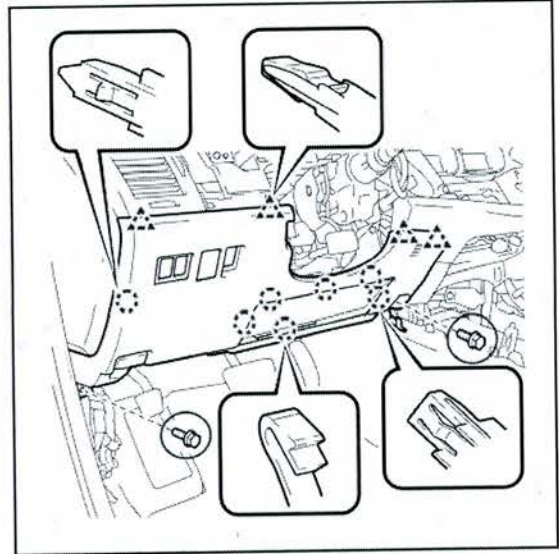


Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

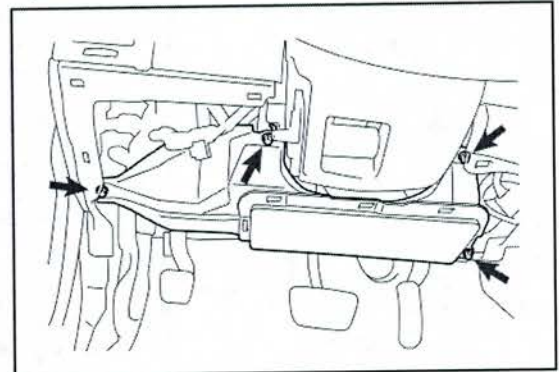
6. Remove instrument panel finish lower panel LH.
 - A. Disconnect the hood lock control cable.
 - B. Remove the bolt and screw.
 - C. Disengage the 4 claws and 7 clips.
 - D. Disconnect the connectors and remove the instrument panel finish lower panel LH.

Figure 3.



7. Remove instrument panel airbag assembly lower No. 1.
 - A. Remove the 4 bolts and the driver side knee airbag assembly.
 - B. Disconnect the connector from the driver side knee airbag assembly.

Figure 4.



NOTICE

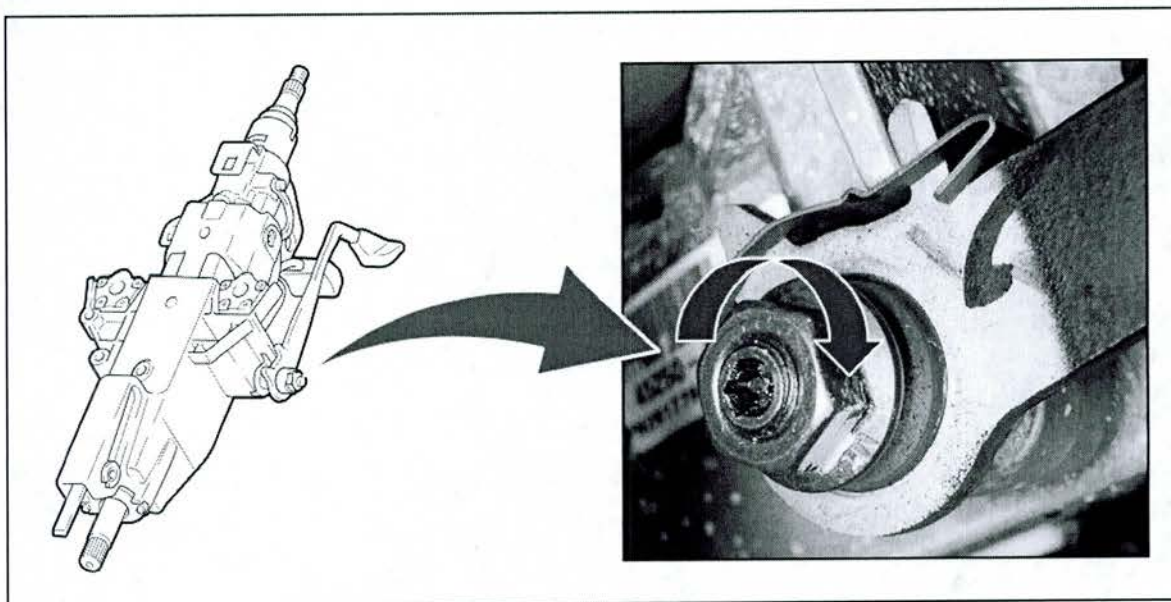
When handling the airbag connector, take care NOT to damage the airbag wire harness.

Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

8. Remove the telescopic lever nut.

Figure 5.



- A. Locate the telescopic lever attachment nut.
- B. Remove the nut using a 15 mm wrench.

NOTE

The telescope lever nut has left-hand threads.

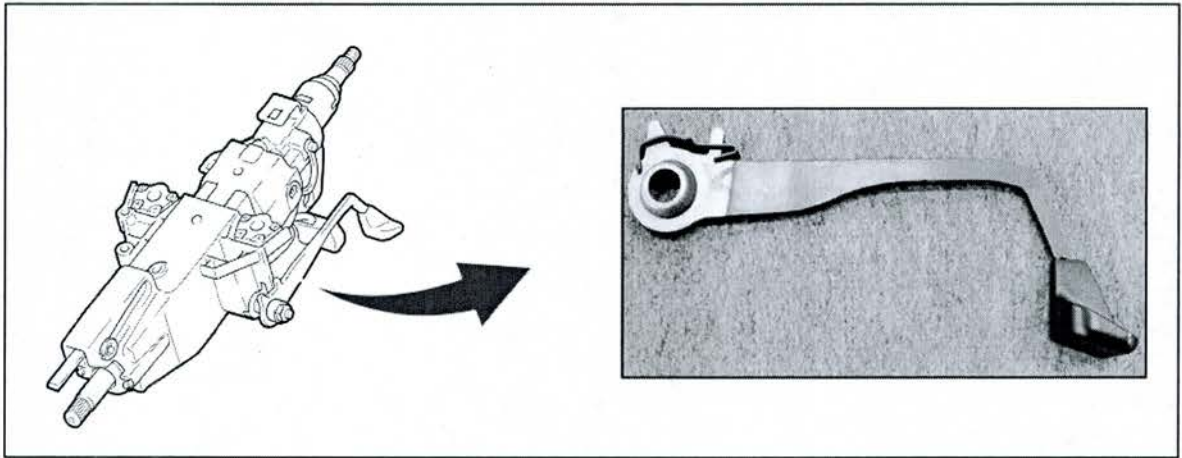
Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

9. Remove the telescopic lever.

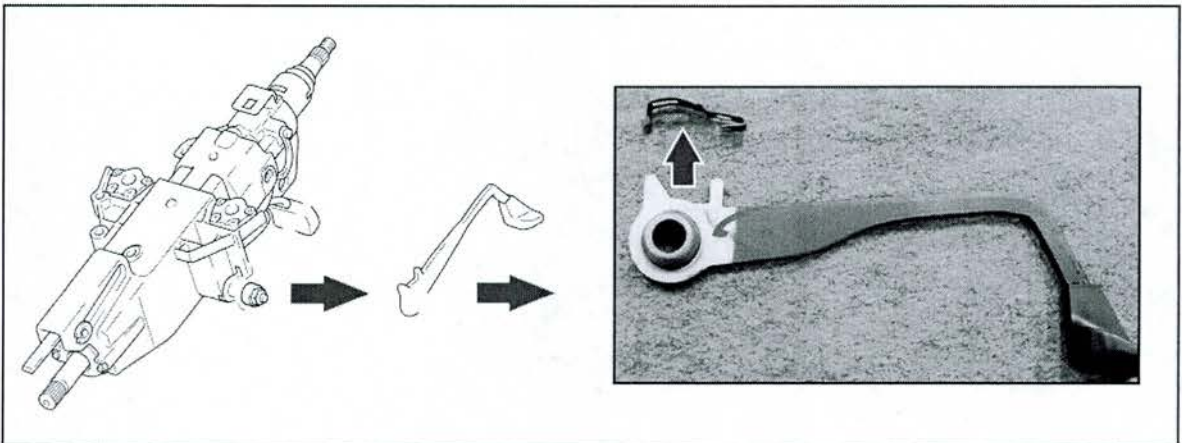
NOTICE
Be careful **NOT** to damage the thread surface.

Figure 6.



10. Remove the Detent Clip from the lever.

Figure 7.



Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

- With a T30 socket and torque wrench, tighten the telescopic adjusting bolt.

Torque: 10 – 12 N*m (102 – 122 kgf*cm, 7– 9 ft*lb)

NOTE

The telescopic locking bolt has left-hand threads.

Figure 8.

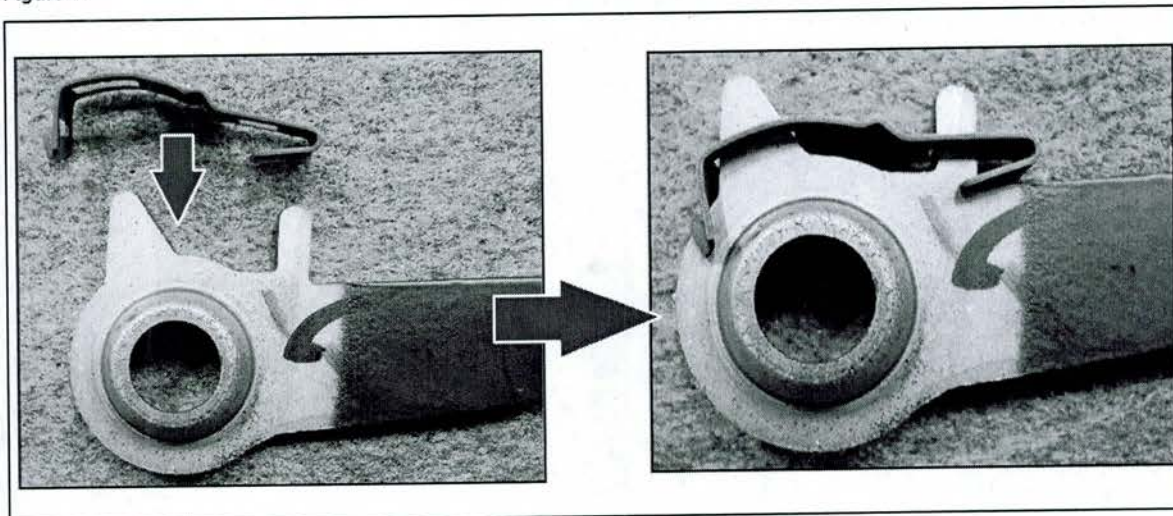


- Install the new Detent Clip.

NOTICE

Ensure the clip is installed in the correct orientation.

Figure 9.



Telescopic Lever Detent Clip Replacement

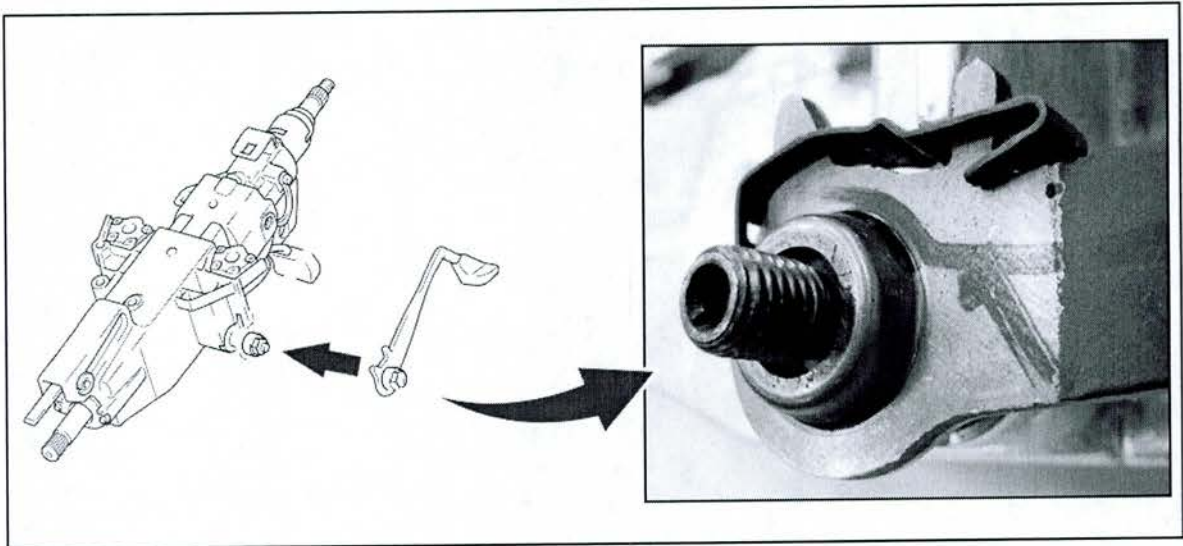
Repair Procedure (Continued)

13. Install the telescopic lever.

NOTICE

Be sure to install the lever in the "UP" locked position.

Figure 10.



Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

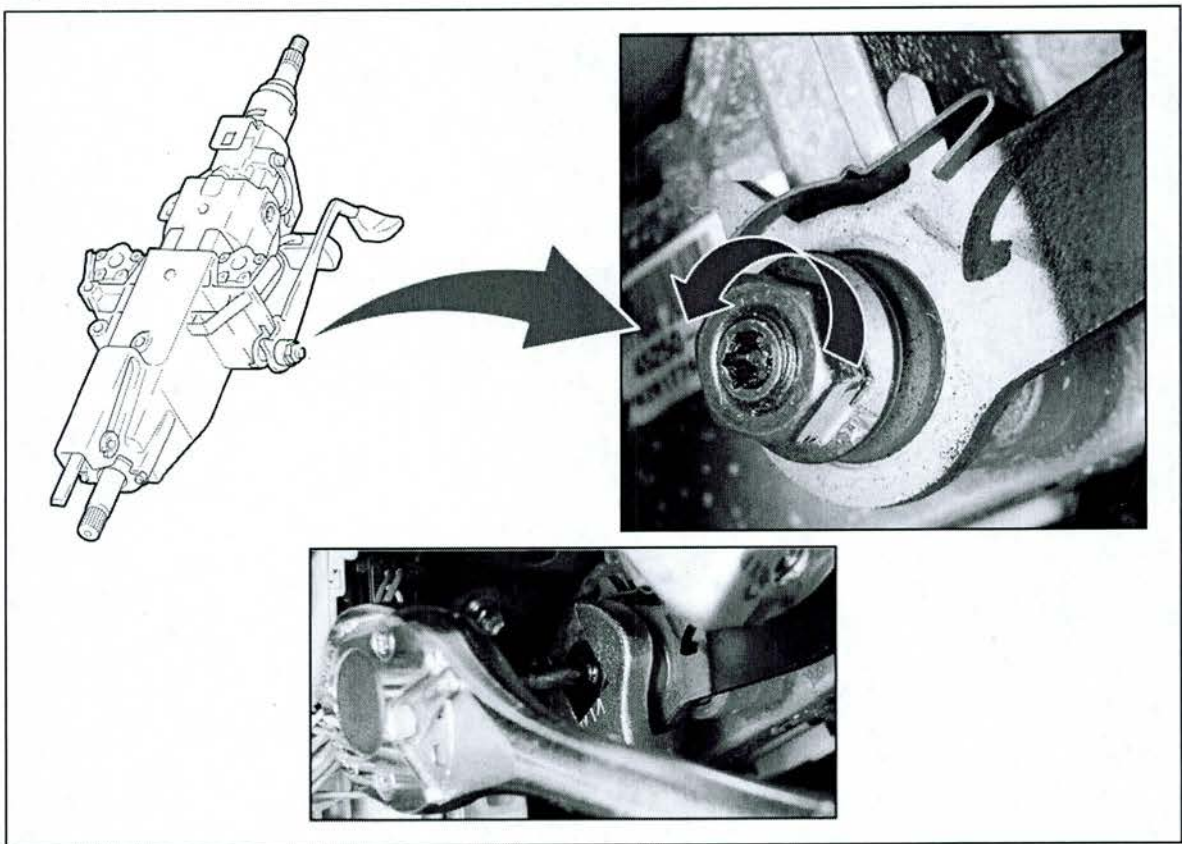
14. While holding the telescopic adjusting bolt with the T30 socket, tighten the telescopic lever nut using a 15 mm crowsfoot and torque wrench.

Torque: 6 – 8 N*m (61 – 82 kgf*cm, 4 – 6 ft*lbf)

NOTE

The telescope lever nut has left-hand threads.

Figure 11.



Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

15. Install the instrument panel airbag assembly lower No. 1.

- A. Connect the connector to the driver side knee airbag assembly.

NOTICE

When handling the airbag connector, be careful **NOT** to damage the airbag wire harness.

- B. Install the driver side knee airbag assembly with the 4 bolts.

Torque: 10 N*m (102 kgf*cm, 7 ft*lbf)

16. Install the instrument panel finish lower panel LH.

- A. Engage the connectors.
- B. Connect the hood lock control cable.
- C. Engage the 4 claws and 7 clips and install the instrument panel finish lower panel LH.
- D. Install the bolt and screw.

Figure 12.

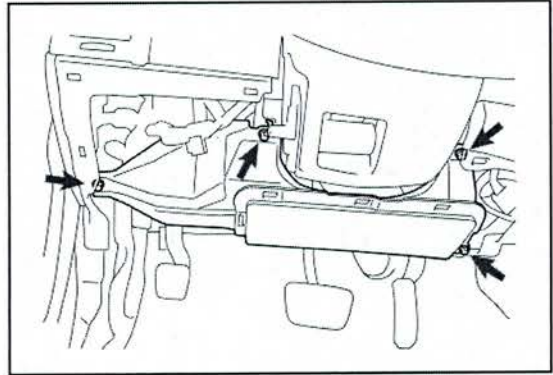
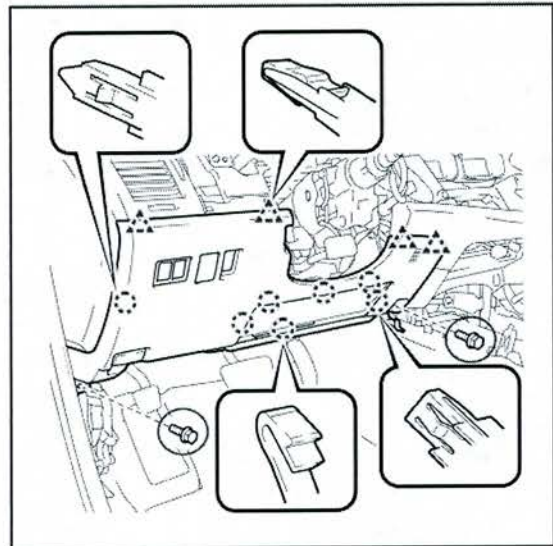


Figure 13.

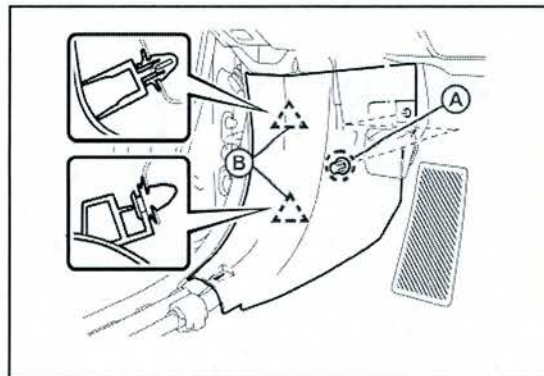


Telescopic Lever Detent Clip Replacement

Repair Procedure (Continued)

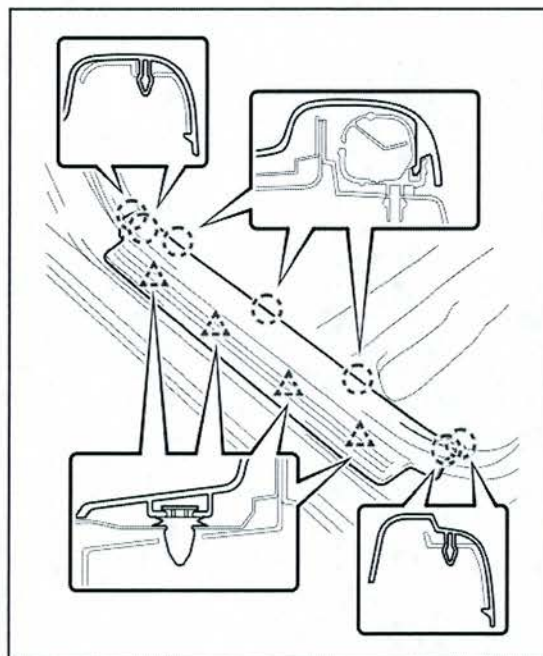
17. Install the cowl side trim sub-assembly LH.
 - A. Install the clip (A).
 - B. Engage the 2 clips (B) and install the cowl side trim sub-assembly LH.

Figure 14.



18. Install front door scuff plate LH. Engage the 4 clamps and 7 claws and install the front door scuff plate LH.

Figure 15.



19. Confirm proper operation of telescopic lever.