



Technical Service Bulletin

GROUP

STEERING

NUMBER

23-ST-004G

DATE

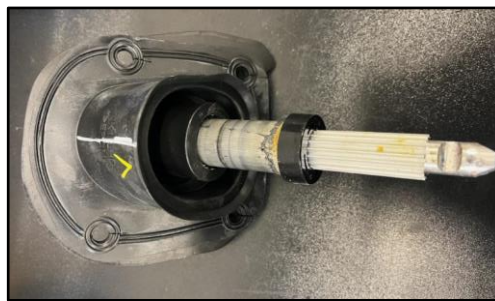
APRIL 2023

MODEL(S)

SEE BELOW

SUBJECT: STEERING UNIVERSAL JOINT NOISE INSPECTION AND GREASE APPLICATION

Description: This bulletin describes the procedure to inspect the steering universal joint dust cover for noise, and if necessary, apply grease on certain Genesis vehicles.



STUI



This TSB includes a STUI photo as a requirement. Where indicated, please include the last 6 digits of the VIN and date of repair on a piece of paper. Ensure the VIN and date of repair are clearly visible. Finally, please ensure the captured picture is completed according to the steps in the TSB and uploaded to STUI. All claims that have incomplete, missing, or incorrect pictures are subject to debit.

Applicable Vehicles:

- 21-24MY G80 (RG3)
- 23-24MY Electrified G80 (RG3 EV)
- 23-24MY G90 (RS4)
- 22-24MY GV70 (JK1)
- 24MY Electrified GV70 (JK1 EV)
- 21-24MY GV80 (JX1)

Parts Information:

Model	Part Name	Part Number	Remarks
All	Universal Joint Lock Bolt	56415-J5000	2 each
	Panorama Loop Grease	81685-3S000	Use a total of 10cc (about 2 teaspoons) 1 container / 30 vehicles

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Warranty Information:

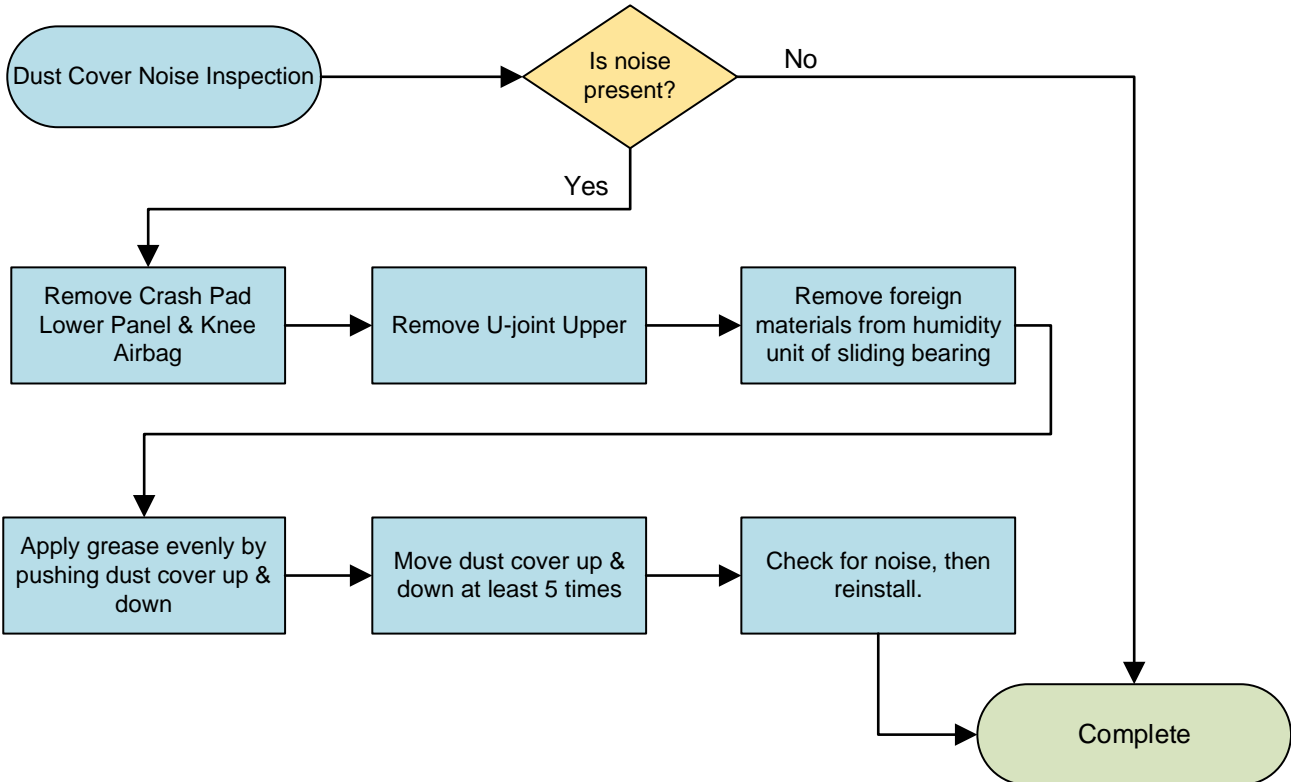
Model	Op. Code	Operation	Op. Time	Causal Part*	Nature Code	Cause Code
All	56415F05	Dust Cover Noise Inspection	0.3 M/H	56400-XXXXX	Q55	ZZ5
GV80 (JX1) G80 (RG3) G90 (RS4)	56415F06	Dust Cover Noise Inspection, Universal Joint Removal, and Grease Application	0.7 M/H			
Electrified G80 (RG3 EV)	56415F07		0.9 M/H			
GV70 (JK1)	56415F08		0.8 M/H			
Electrified GV70 (JK1 EV)	56415F09		1.2 M/H			

NOTE 1: Normal warranty applies.

NOTE 2: Refer to applicable parts catalog for full causal part number.

NOTE 3: Please claim \$2.50 on sublet for the use of panorama loop grease for op codes 56415F06-F09.

Service Procedure Overview:



Inspection Procedure:

1. With the ignition ON (engine running if applicable), turn the steering wheel left/right repeatedly and listen for any abnormal noises around the universal joint dust cover.

Refer to the videos below for inspection of universal joint dust cover noise.

Noise Video 1: <https://youtu.be/jPXNQpof5Aw>

Noise Video 2: https://www.youtube.com/shorts/YybH_IRVSQw

Noise Video 3: https://www.youtube.com/shorts/5_45z2i3pdI

Noise Video 4: <https://www.youtube.com/shorts/AeOYFEehvRA>

If a noise is heard in the area, proceed to removing the crash pad lower panel and knee airbag, and perform the cleaning and grease application per service procedures below.

Service Procedure:

Crash Pad Lower Panel and Knee Airbag Removal:

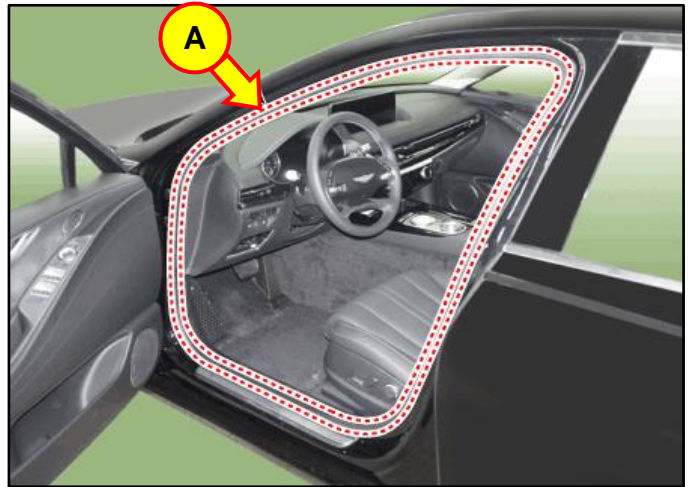
***i* Information**

The procedure in this TSB is based on the Shop Manual for G80 (RG3) vehicles. For detailed procedures for each vehicle please refer to the applicable Shop Manual.

1. Center the steering wheel and the front wheels pointed straight ahead.

Record customer's radio presets, then turn off the ignition switch and disconnect the battery negative (-) cable. Wait at least 3 minutes.

Remove the L/H front door body side weather strip (A).



i Information

Centering the steering wheel provides a reference point when disconnecting and reattaching the steering universal joint.

The steering u-joint is “keyed” on both sides, allowing only one orientation of installation.

! CAUTION

For EV vehicles, disconnect the service interlock connector and wait 3 minutes before continuing to work on vehicle. See applicable Service Manual for details.

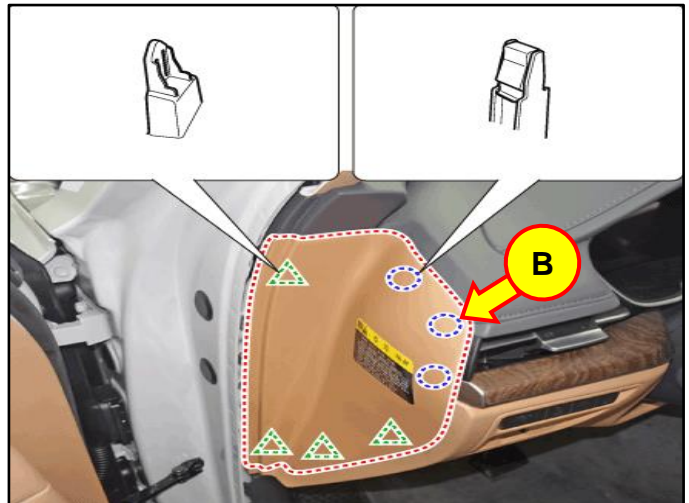
2. Remove the crash pad L/H side cover (B) using a trim removal tool.

! CAUTION

Be careful not to injure your hands when removing the cover.

NOTICE

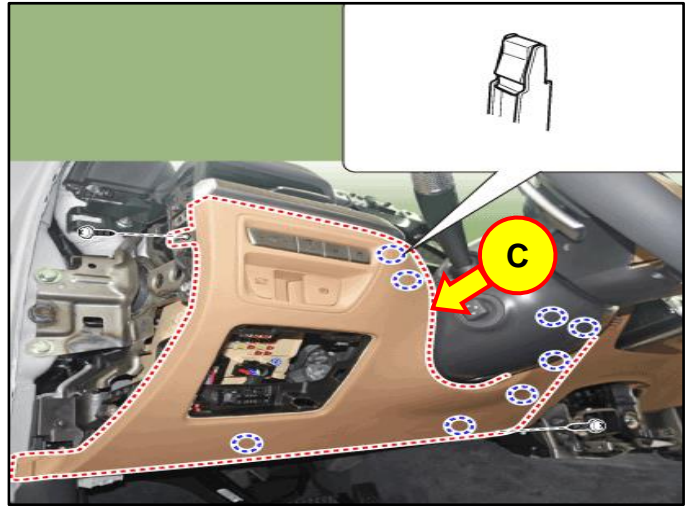
Be careful not to damage parts during removal.



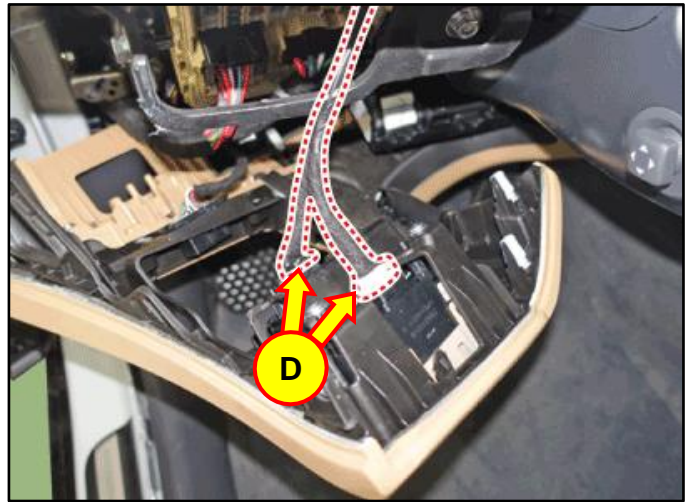
3. Loosen the mounting screws and remove the crash pad lower panel assembly (C).

i Information

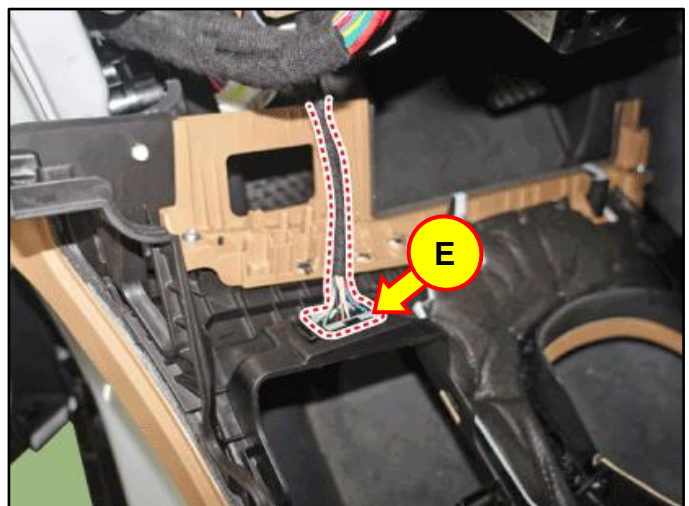
Be sure to replace any damaged clips with new ones during reassembly.



4. Press the lock pin to remove all connectors (D) attached to the crash pad lower panel.



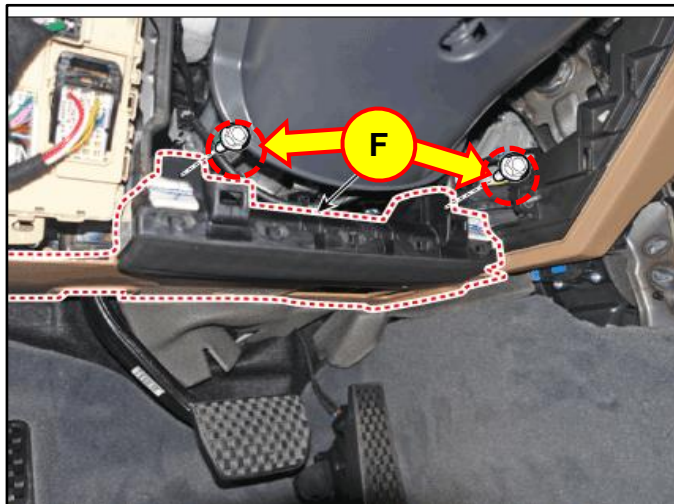
5. Unclip the diagnostic connector (E) by pressing the locking pin and then remove the crash pad lower panel.



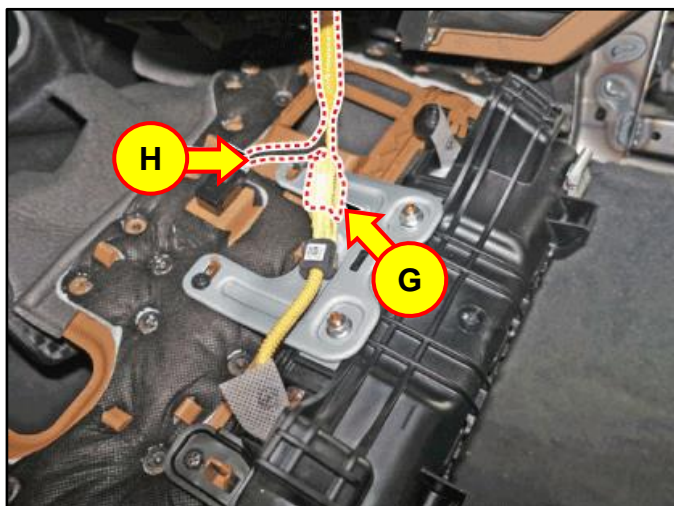
6. Remove the knee airbag retaining bolts (F) and then remove the knee airbag assembly.

Knee Airbag Mounting Bolt Tightening Torque:

lb-ft	• 5.8-8.7
kgf.m	• 0.8-1.2
N.m	• 7.8-11.8



7. Remove the knee airbag connector (G) and foot light connector (H) attached to the knee airbag assembly.



Universal Joint Removal and Grease Application:

1. Remove the column shaft fixing clip (A) and loosen the universal joint upper fastening bolt (B).

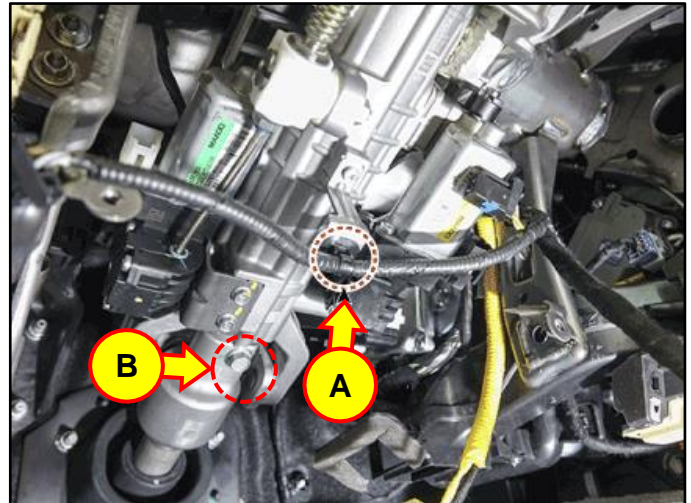
i Information

Only remove the wiring fixing clip if it interferes with the universal joint upper fastening bolt.

i Information

Centering the steering wheel provides a reference point when disconnecting and reattaching the steering universal joint.

The steering u-joint is “keyed” on both sides, allowing only one orientation of installation.



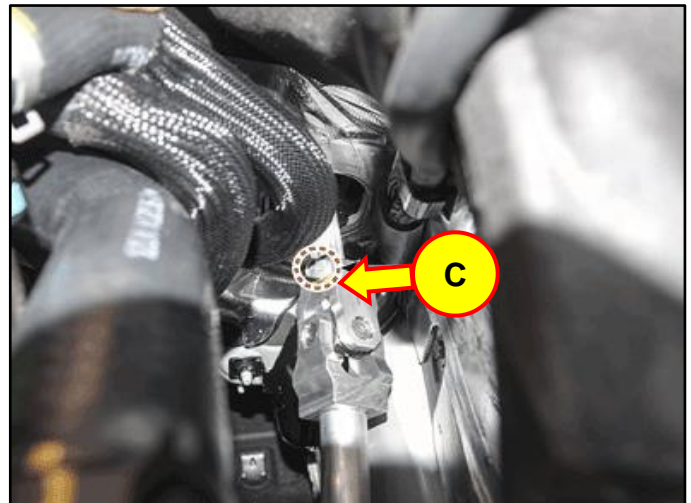
2. Loosen the universal joint upper fastening bolt (C) and remove the universal joint upper from the steering column and the steering shaft.

Universal Joint Bolt Tightening Torque:

lb-ft	• 23.9-27.5
kgf.m	• 3.3-3.8
N.m	• 32.4-37.3

i Information

Some models may require removal of engine cover and/or air filter housing to access the universal joint upper fastening bolt (C). See applicable Service Manual procedures for details.



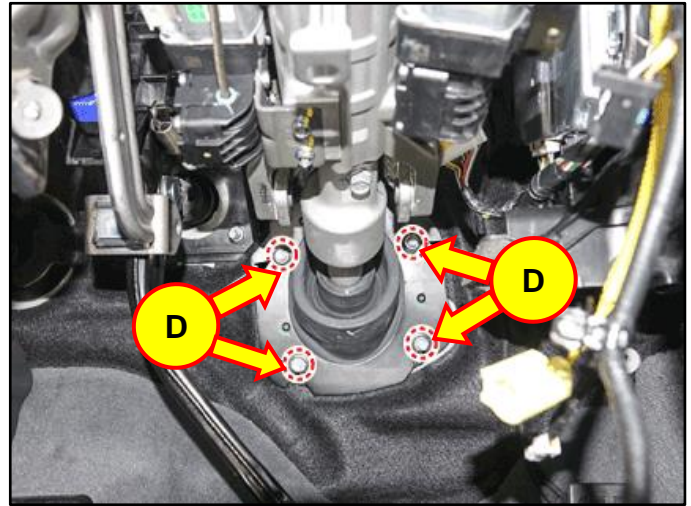
- Remove the universal joint dust cover nuts (D) and then the universal joint upper.

i Information

For more details on removing the universal joint refer to the applicable Shop Manual for each vehicle.

Dust Cover Bolt Tightening Torque:

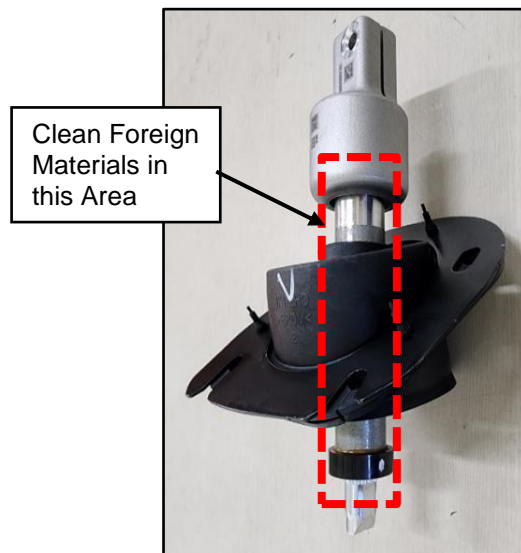
lb-ft	• 5.8-8.7
kgf.m	• 0.8-1.2
N.m	• 7.8-11.8



- Clean the universal joint shaft with a cloth to wipe off foreign substances and grease.

i Information

- Move the dust cover up and down to help remove foreign materials and grease.
- Noise may recur if all foreign materials and grease are not removed.

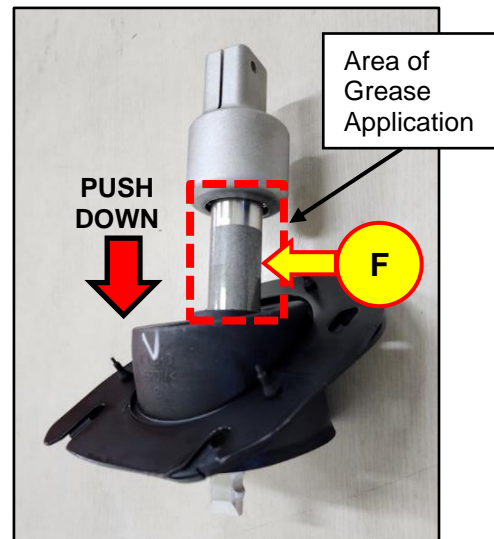


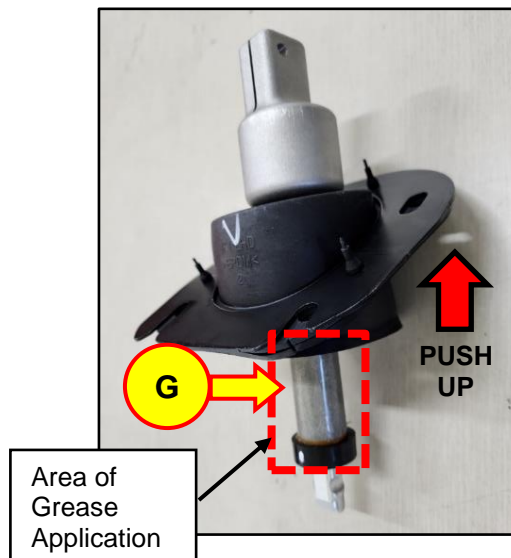
- Apply approximately 5 cc of grease (about a teaspoon) evenly to shaft upper area (F). Then push the dust cover upwards. Apply approximately 5 cc of grease (about a teaspoon) evenly to the shaft lower area (G).

i Information

Refer to video below for an example of grease application:

[Steering Grease Application Video:](https://youtu.be/fDC0QtD56ys)
<https://youtu.be/fDC0QtD56ys>



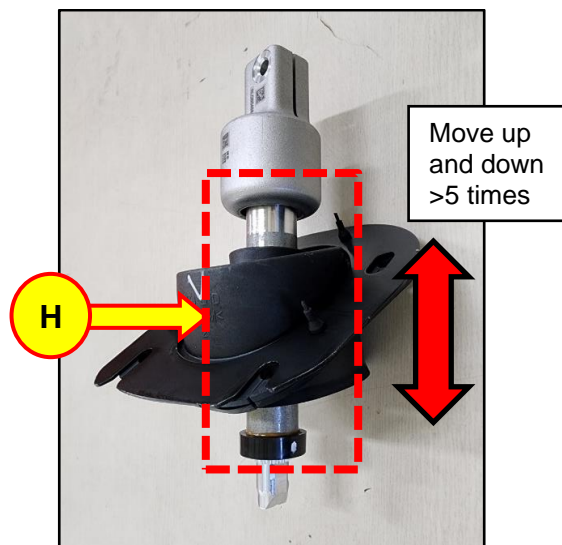


5. Move the dust cover (H) up and down more than five times to ensure it operates smoothly and there is no noise before reinstallation.

After grease application is complete, install all components in reverse order of removal.

i Information

- Before installation, check for noise in the universal joint.
- When installing, check the alignment of the handles and insert them into the steering column and steering joint.



NOTICE

Be sure to replace the Universal Joint Lock Bolts with new ones (2 each). These are not to be reused.

6.

STUI



Using STUI, take a photo of the cleaned and greased universal joint dust cover assembly with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



7. Reconnect the negative battery cable and interlock connector (if applicable).

Input the customer's radio stations.

Drive the vehicle to confirm proper operation.

The service procedure is complete.