



SIB 52 14 23

2023-10-25

THIRD SEAT ROW BACKREST BOWDEN CABLE CHANGE

 THIS REPAIR IS MOBILE FRIENDLY**MODEL**

E-Series	Model Description	Affected Option Code
G07	X7 Sports Activity Vehicle	Vehicles with power third row seat SA4UB

SITUATION

A change in Bowden cable routing is observed in the third seat row backrest.

Replacement Bowden cables are shorter than original parts.

CAUSE

A Bowden cable routing change was made in the third seat row backrest. This change was implemented starting in February 2023 production.

All the replacement parts are the new “shortened cable” design version which requires the use of the new routing procedure when they are installed in vehicles produced prior to February 2023.

CORRECTION

See procedure attached.

These networked seats are described in detail in Service Bulletin **B52 23 19** which contains all relevant seat bulletins.

For diagnosis of the head restraint and/or backrest of the third seat row, see Service Bulletin **B52 09 20**.

PARTS INFORMATION

To determine the part number that applies to the specific vehicle being repaired, enter the VIN/chassis number into either ETK or AIR, this will consider the specific equipment and/or options that are fitted to the vehicle.

Part Number	Description	Quantity
52 30 5 A1E 228	Inboard Bowden Cable	2 Max (if needed)
52 30 5 A1E 229	Outboard Bowden Cable	2 Max (if needed)

CLAIM INFORMATION

This Service Information Bulletin provides technical, and repair procedure-related information.

Damage and/or issues caused by outside influences are not covered under the BMW limited warranties.

Eligible and Covered Work/Repairs

Repairs that address a verified defect in materials and/or workmanship are covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

To submit a claim, please follow the established and applicable warranty policy and procedures (Labor/Part/Sublet) that apply to the repair being performed.

Refer to AIR for the corresponding Repair Code for claim submission. Obtain applicable flat rate labor operation codes (including the diagnosis* that applies) and the corresponding flat rate unit (FRU)

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allowances.

Only one Main labor operation code can be claimed per repair visit.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the Chassis Number (the last seven (7) characters of the VIN, select the applicable Model if two or more vehicle choices show), or enter the full VIN (17 characters), click on the "Search" button. Next, click on the "Flat Rate Units" button and enter the flat rate labor operation code in the field to the right, click "Search" to display the Flat Rate Unit Group detail choices.

*Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

Supporting Materials

[picture_as_pdf B521423 Replace bowden cables G07 3SR.pdf](#)

Bowden cable changes for third row seat backrest G07

1. Identify which Bowden cable you will be using for replacement **slide #2**
 - a) Shorter type (new) Introduced in production vehicles February 2023
 - b) Longer type (old)
2. Removing OB Bowden cable **slide #3**
3. Seat structure without Bowden cables **slide #13**
4. Assembly (routing) new Bowden cables **slide #17**
5. Replacing (routing) old Bowden cable **slide #18**

IB = Inboard side of seat

OB = Outboard side of seat

1. Long/old vs Short/new bowden cable

Outboard bowden cable (snowman end)

5A1E228



Old:
Has 2 clipping barrels



New:
Has 1 clipping barrel



Inboard bowden cable (barrel end)

5A1E229



Old:
Has 2 clipping barrels

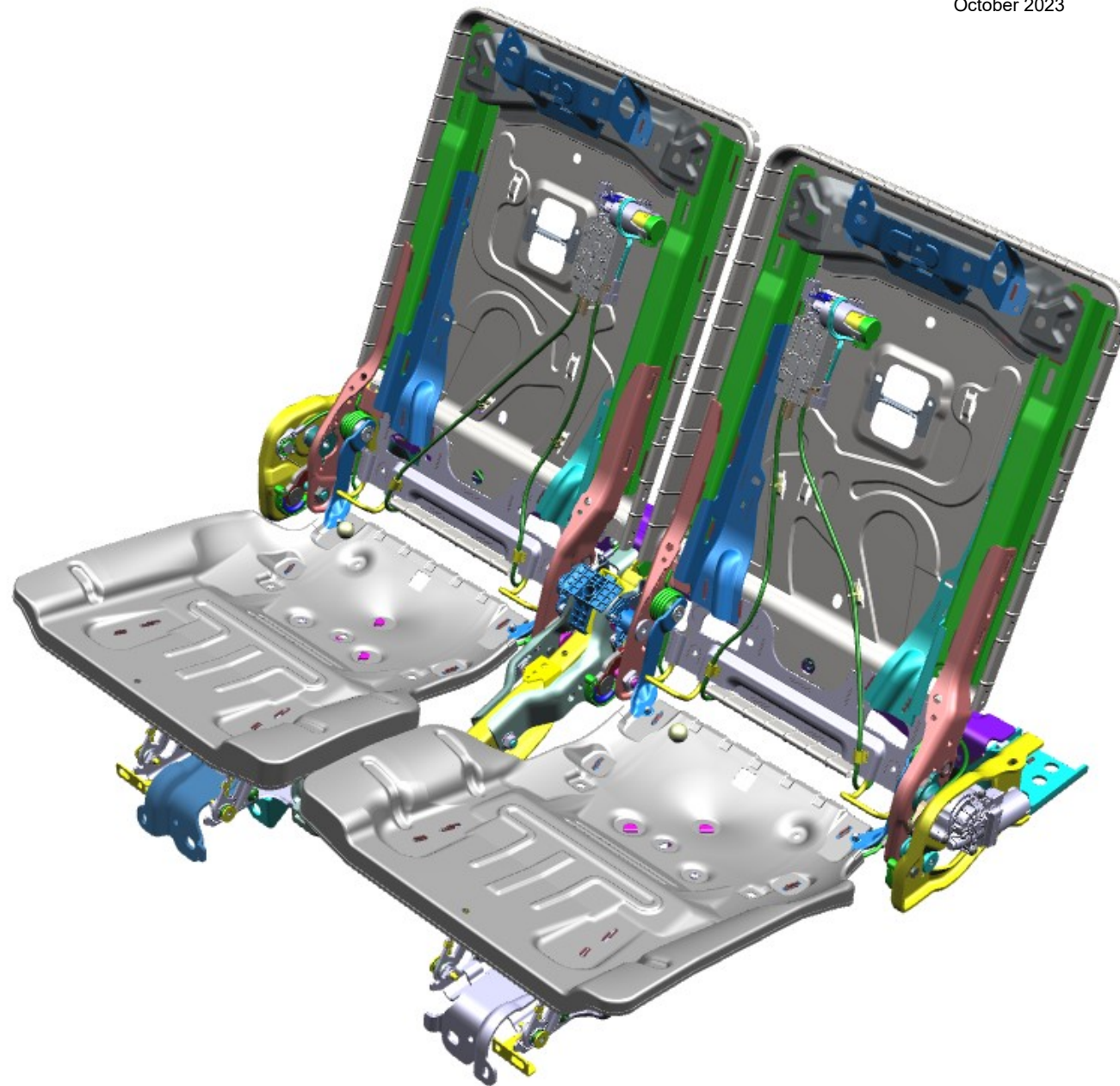


New:
Has 1 clipping barrel



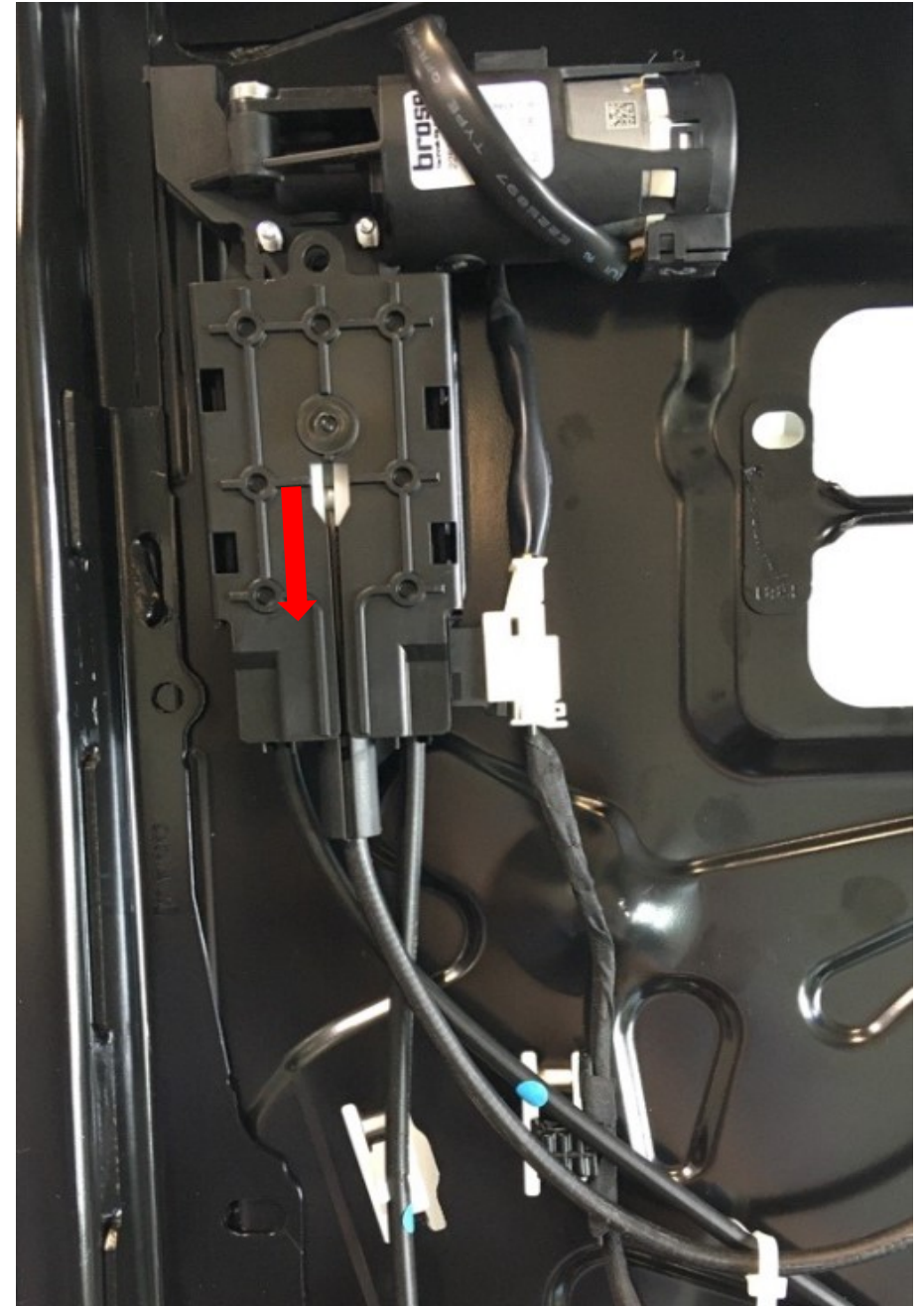
Replacing old bowden cable

1. Place the seat structure in construction (upright) position. Like shown in the image.



Replacing old bowden cable

2. Move down the actuator of the head rest. This will release tension from the Bowden cable.



Replacing old bowden cable

3. Remove plastic cover of the actuator with a screwdriver pushing the ribs to the side.



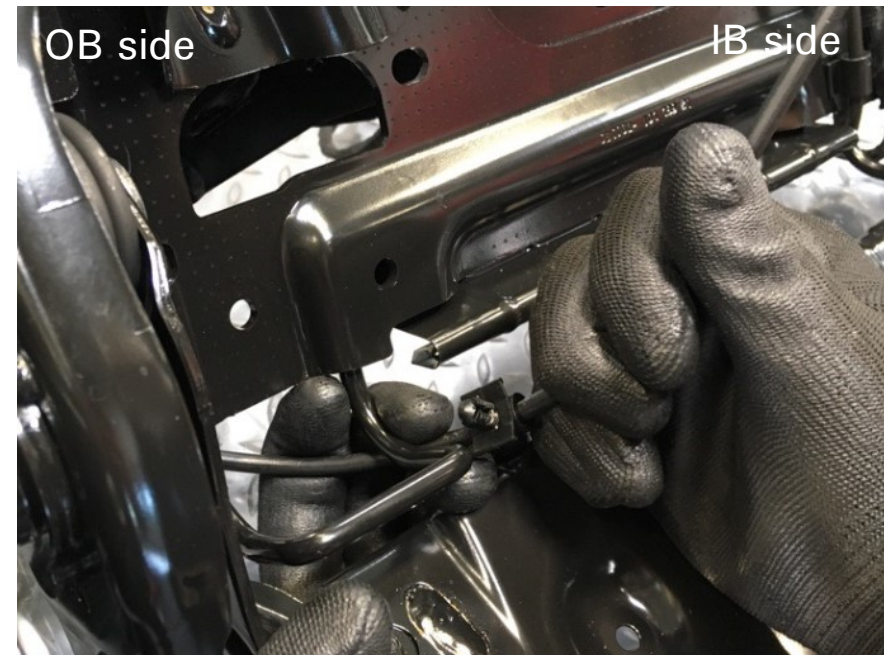
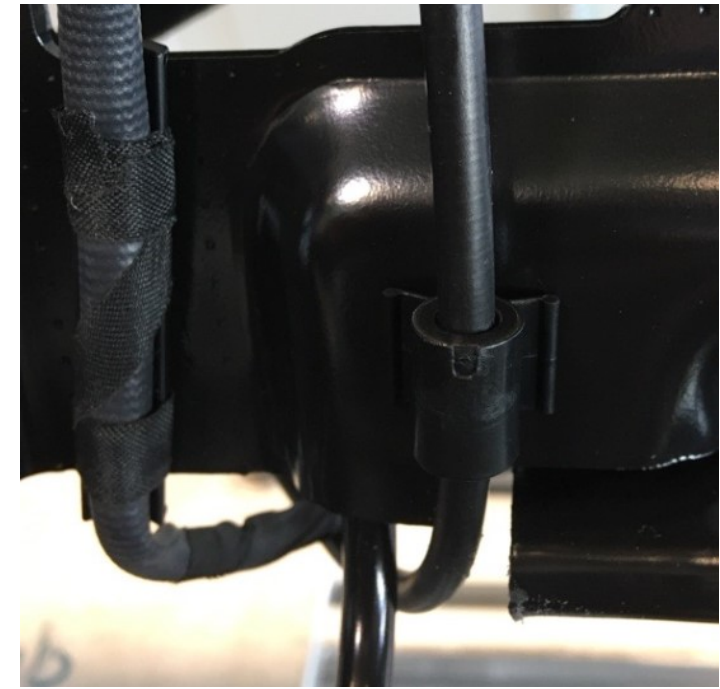
Replacing old bowden cable

4. Unclip Bowden cable barrel from the actuator housing.



Replacing old bowden cable

5. Remove Bowden cable from the white clip and remove Christmas tree clip from back panel.



Replacing old bowden cable

6. For **OLD Bowden cables ONLY**; move the Bowden cable to the back side of the seat structure and remove cable from the white plastic fixation clip of the rear traverse support.



Replacing old bowden cable

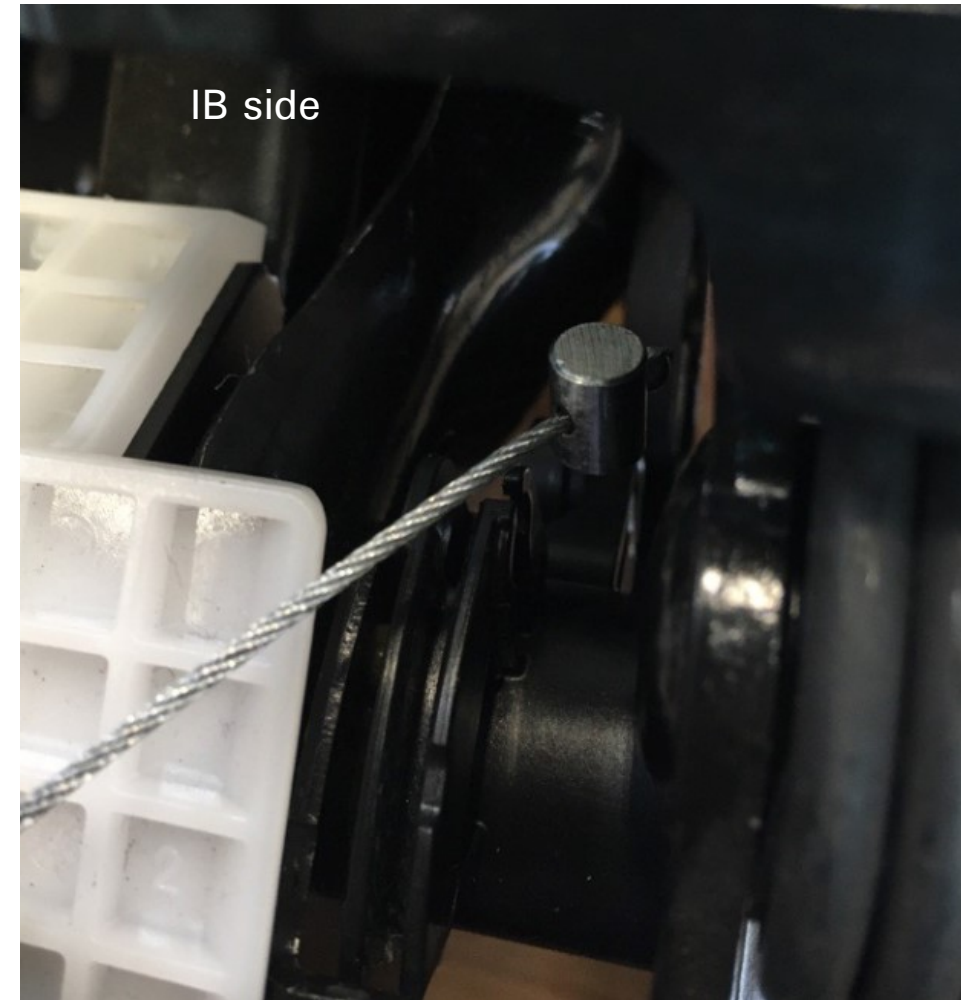
7. For OB side, unclip the Bowden barrel from the pulley housing.

For IB side, unclip the Bowden barrel from the bracket.



Replacing old bowden cable

8. Remove the Bowden cable from the chanel of the pulley .



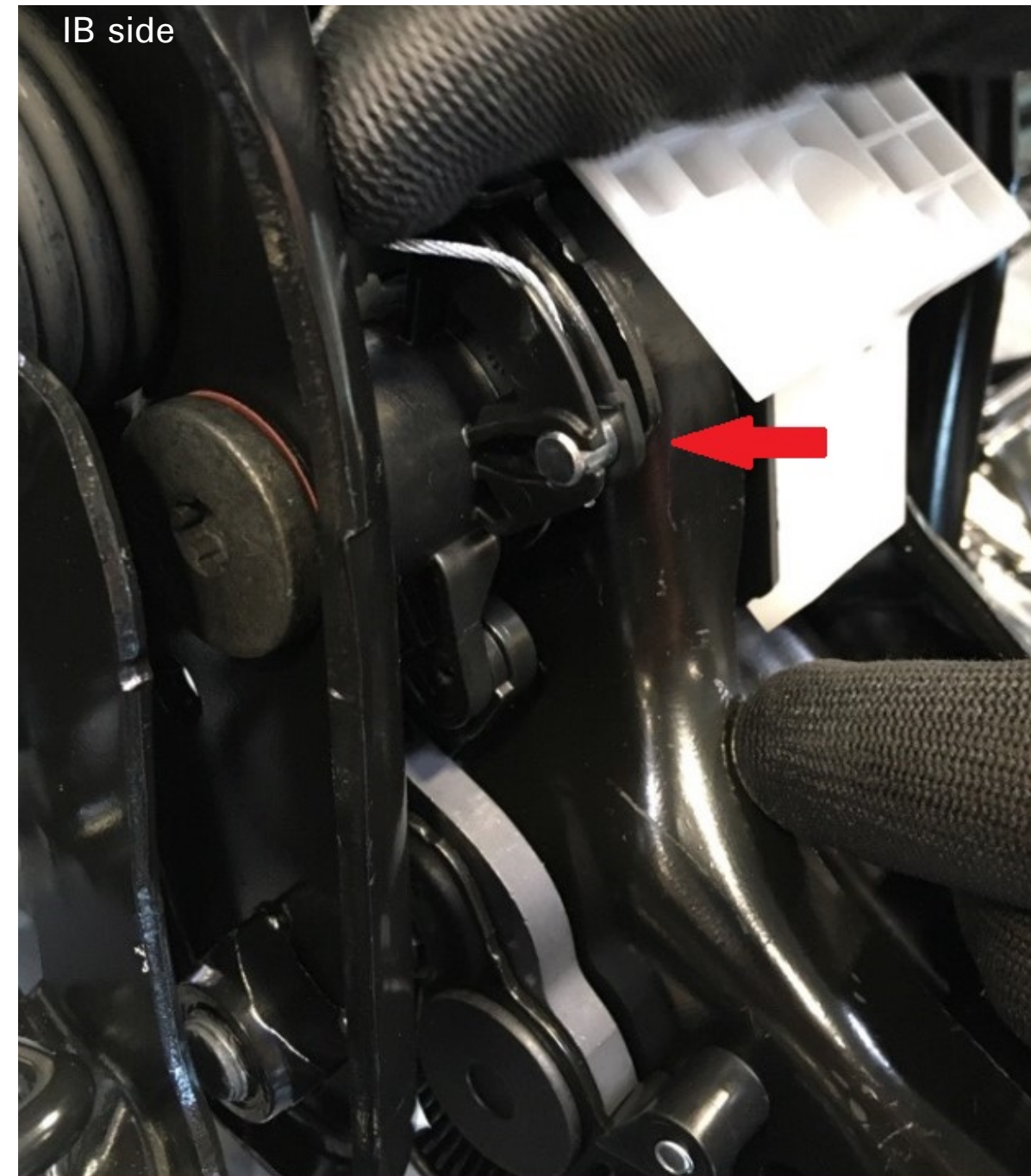
Replacing old bowden cable

9. For OB side, detach snowman clip from latch pin with pliers.



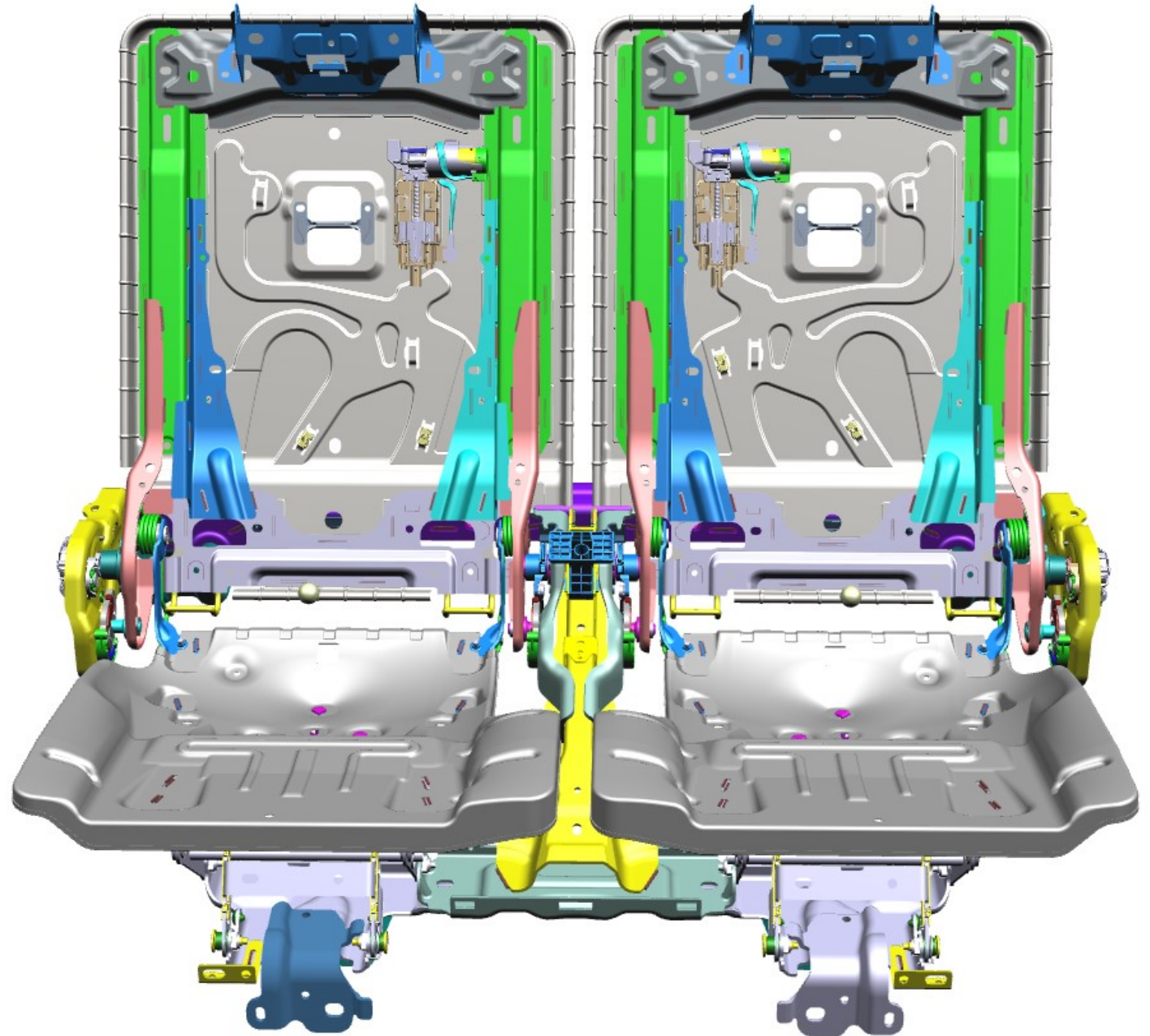
Replacing old bowden cable

10. For IB side, remove Bowden cable barrel from plastic clip pushing towards OB of the car in Y direction



Replacing old bowden cable

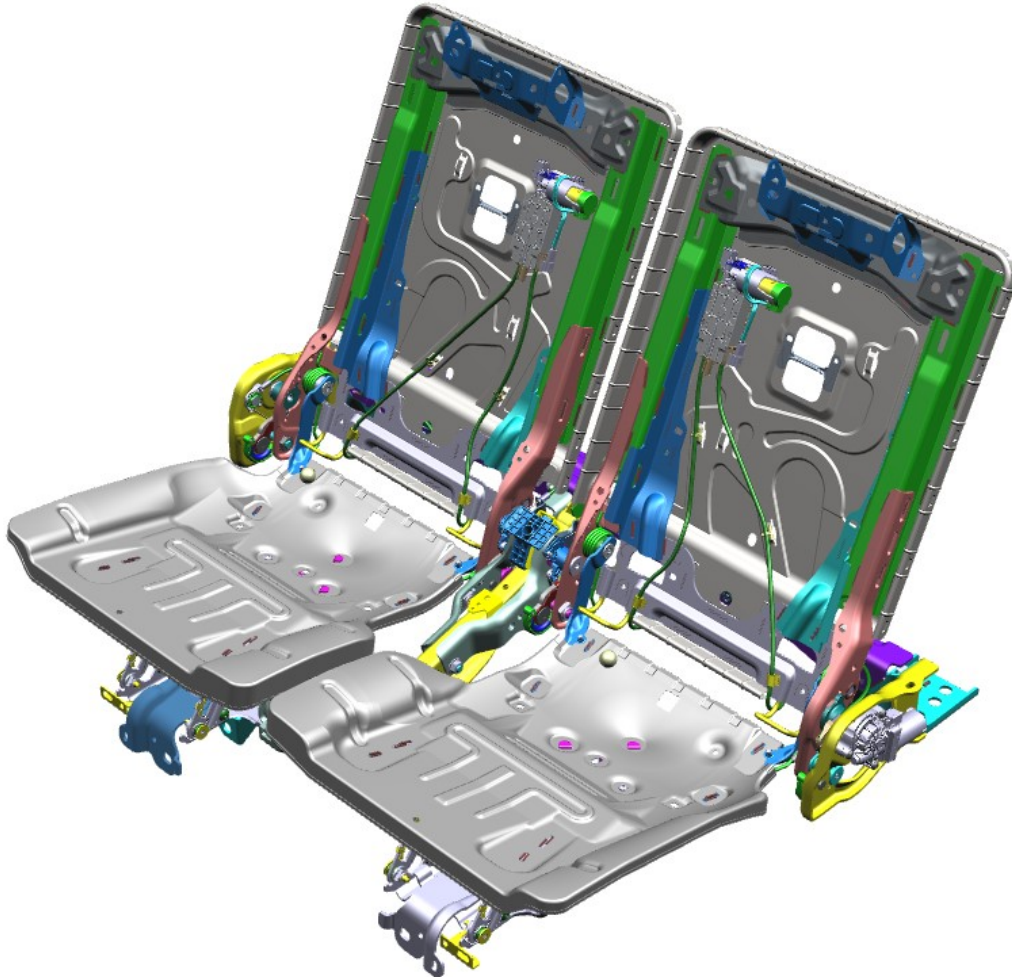
11. Seat Structure without Bowden cables



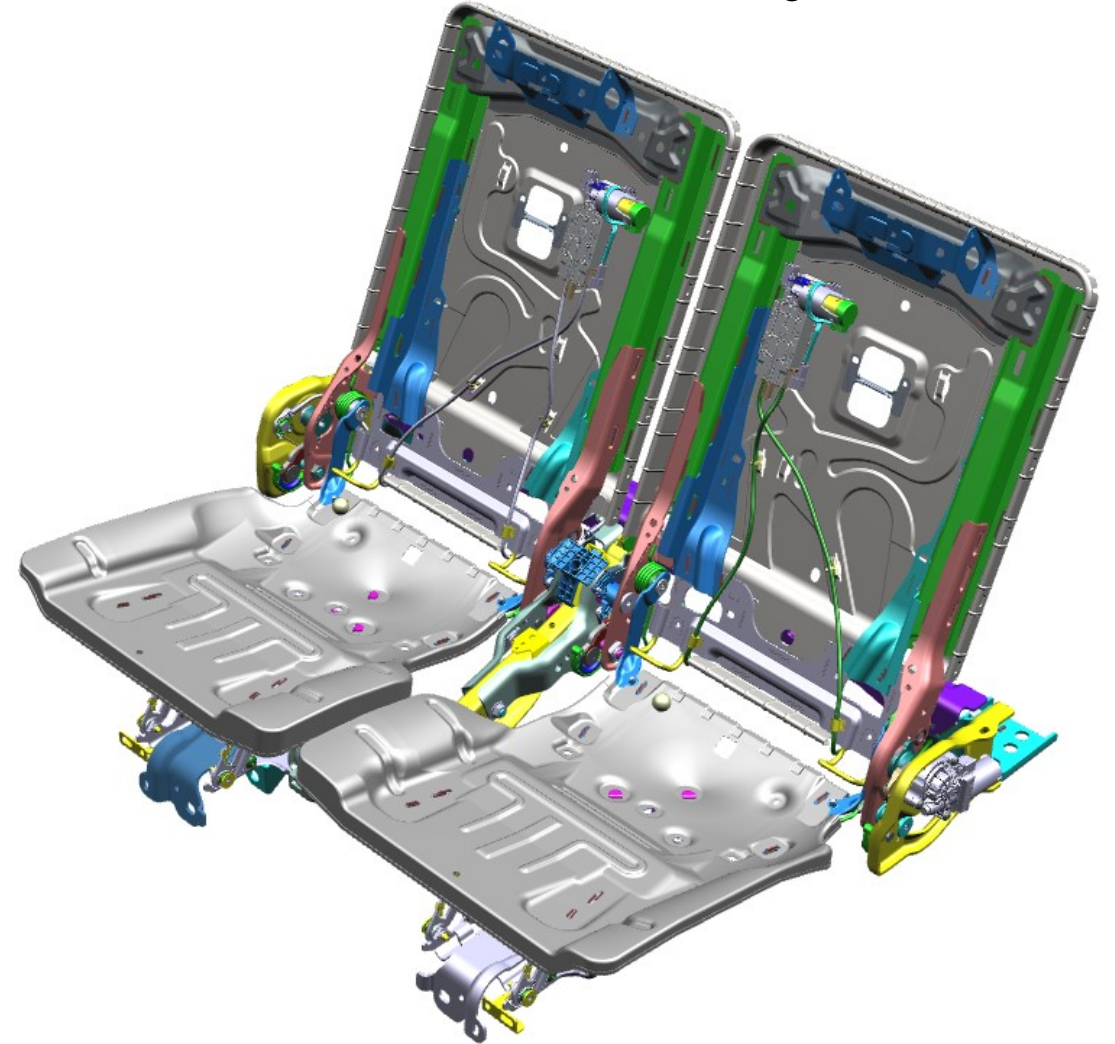
Bowden Cable Assembly

1. Place the seat structure in KO-KO position, as shown.

Old bowden cable routing

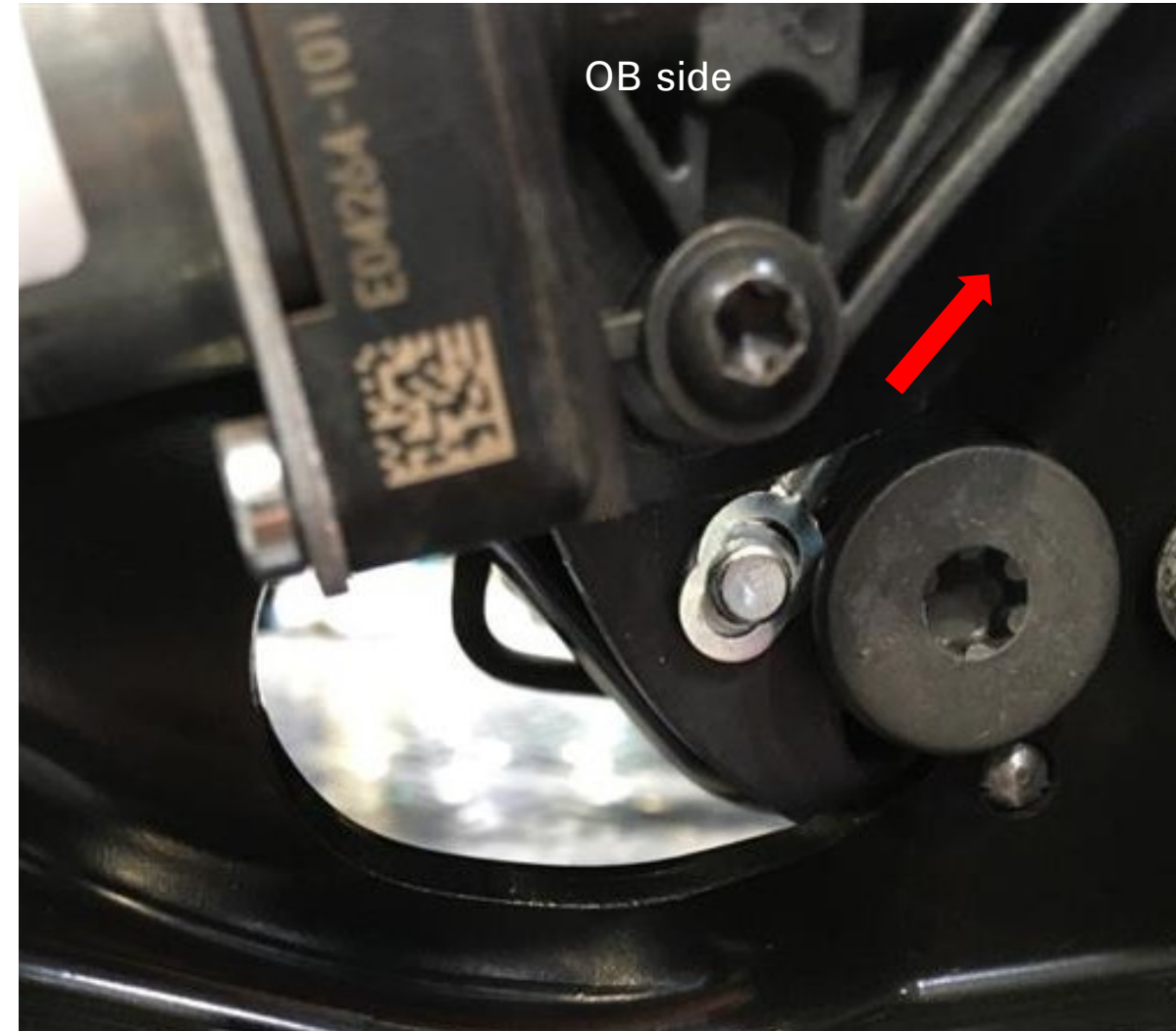


New bowden cable routing



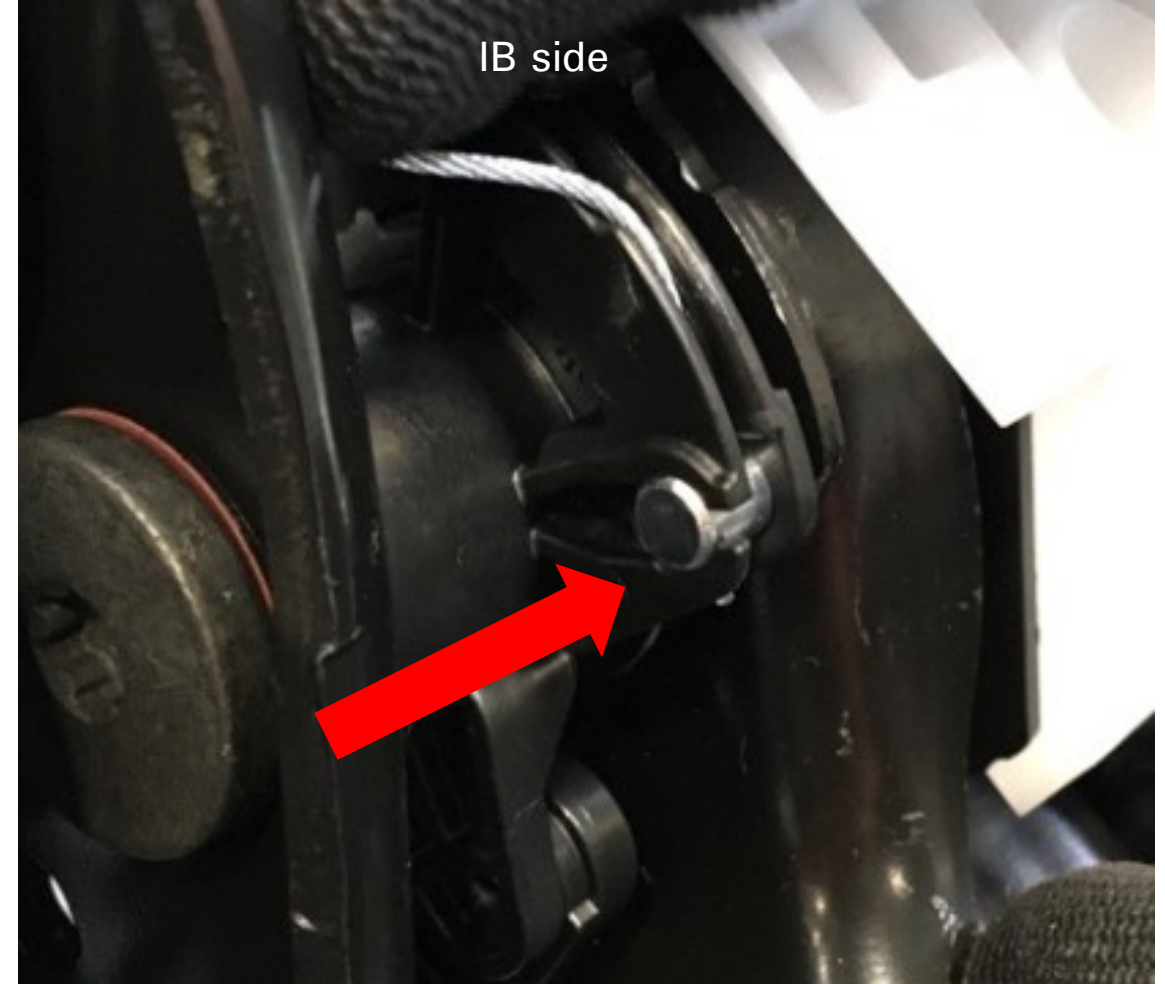
Bowden Cable Assembly

2. For OB side, insert the snowman clip in the latch and pull to ensure the assembly. The seam of the end sleeve (metallic barrel that holds the wire) must be facing IB side.



Bowden Cable Assembly

3. For IB side, align end barrel in its slot as shown in the picture on the right. Then for IB/OB side, loop the wire thru the pulley so it fits in its channel.

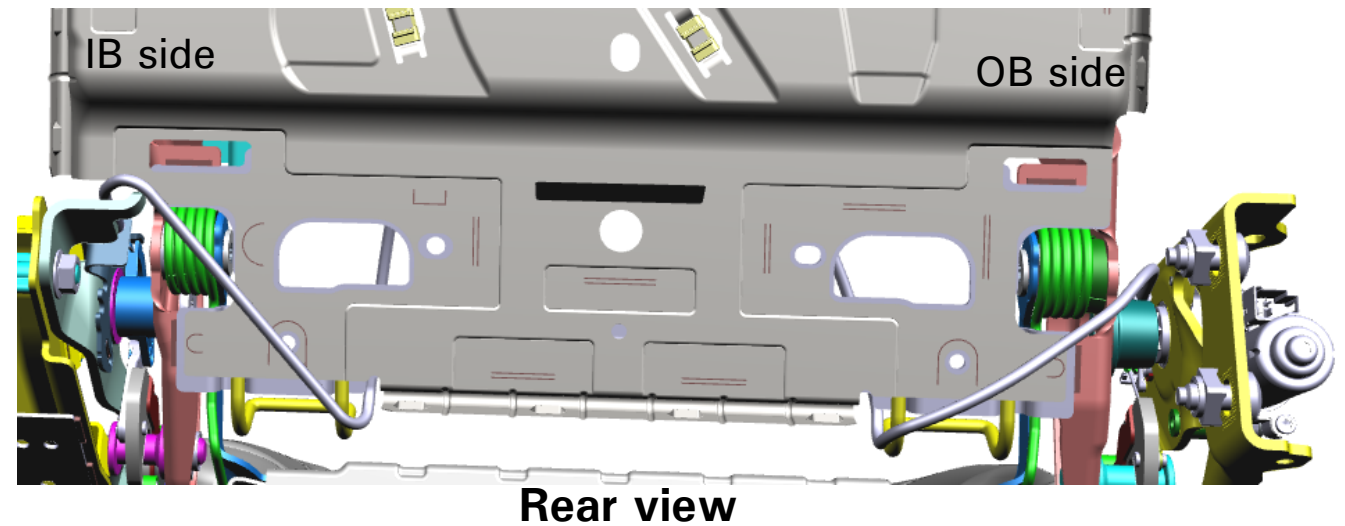
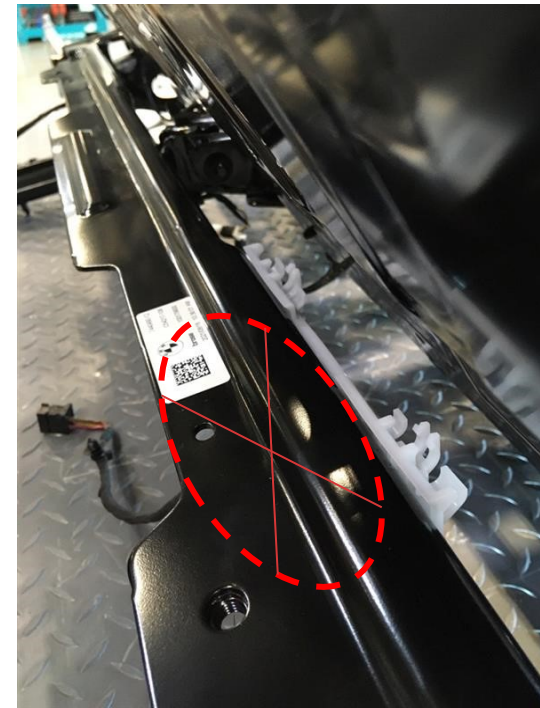


Bowden Cable Assembly

Caution!

For **new Bowden cable assembly**; routing is not requiring the white fixation clip.

Bowden cable is going under the back panel and on the side of the isofix bracket, like it shows on the image.



Bowden Cable Assembly

Exception for old Bowden cables

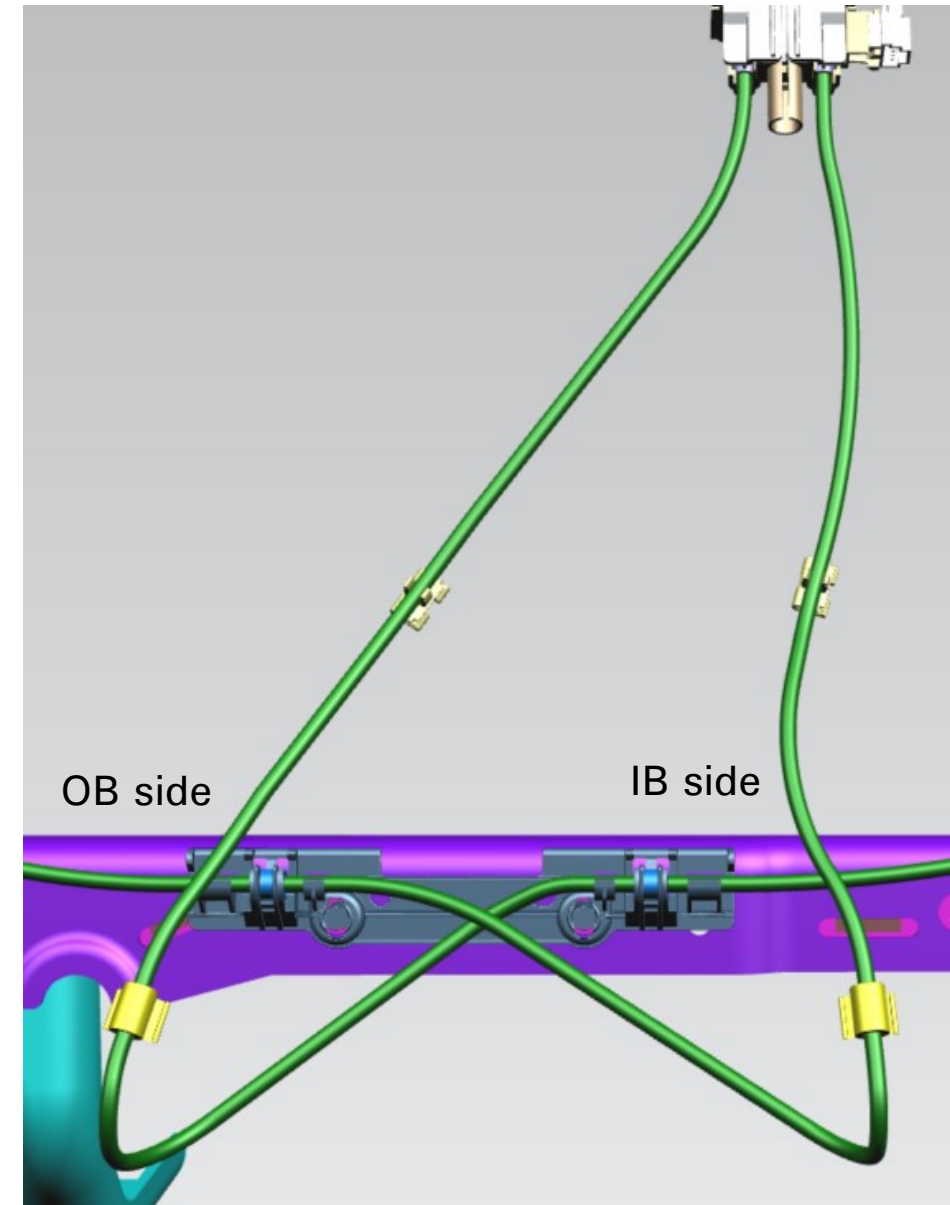
(Before February 2023)

For old Bowden cable assembly; routing should be done throughout the rear traverse, insert the barrel in the white plastic fixation clip.



For OB Bowden cable, it should run from OB to IB throughout the traverse and upwards in the IB side of the backrest.

For IB Bowden cable, it should run from IB to OB throughout the traverse and upwards in the OB side of the backrest.

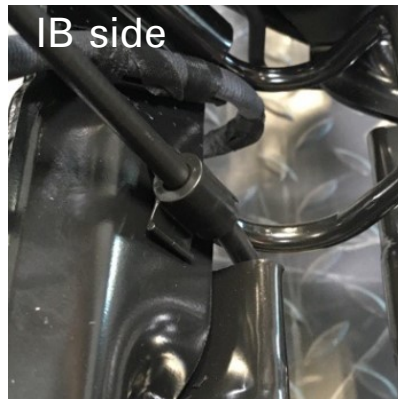
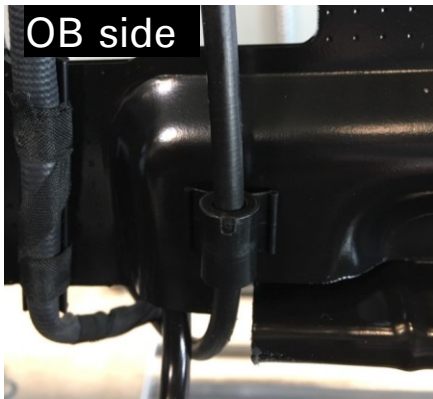
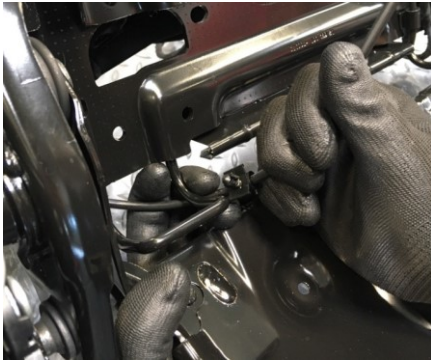


Front view

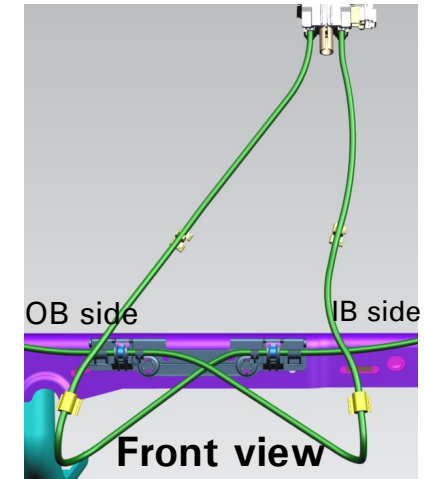
Bowden Cable Assembly

5. Loop down from the backrest and install the Christmas tree.

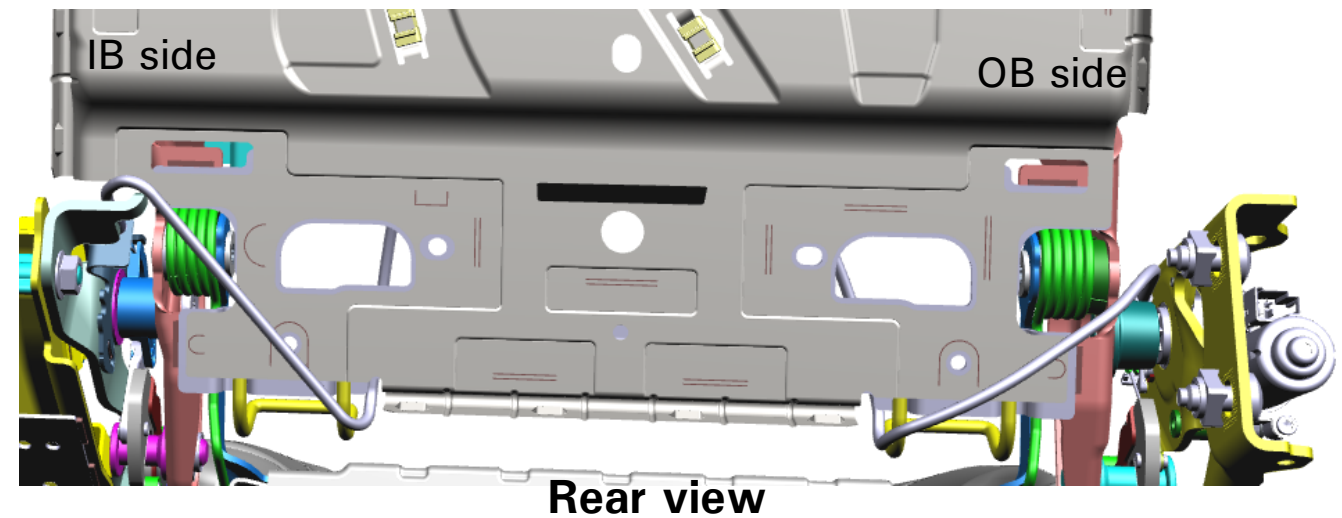
Follow the routing according to the cable used.



Old Bowden cable



New Bowden Cable



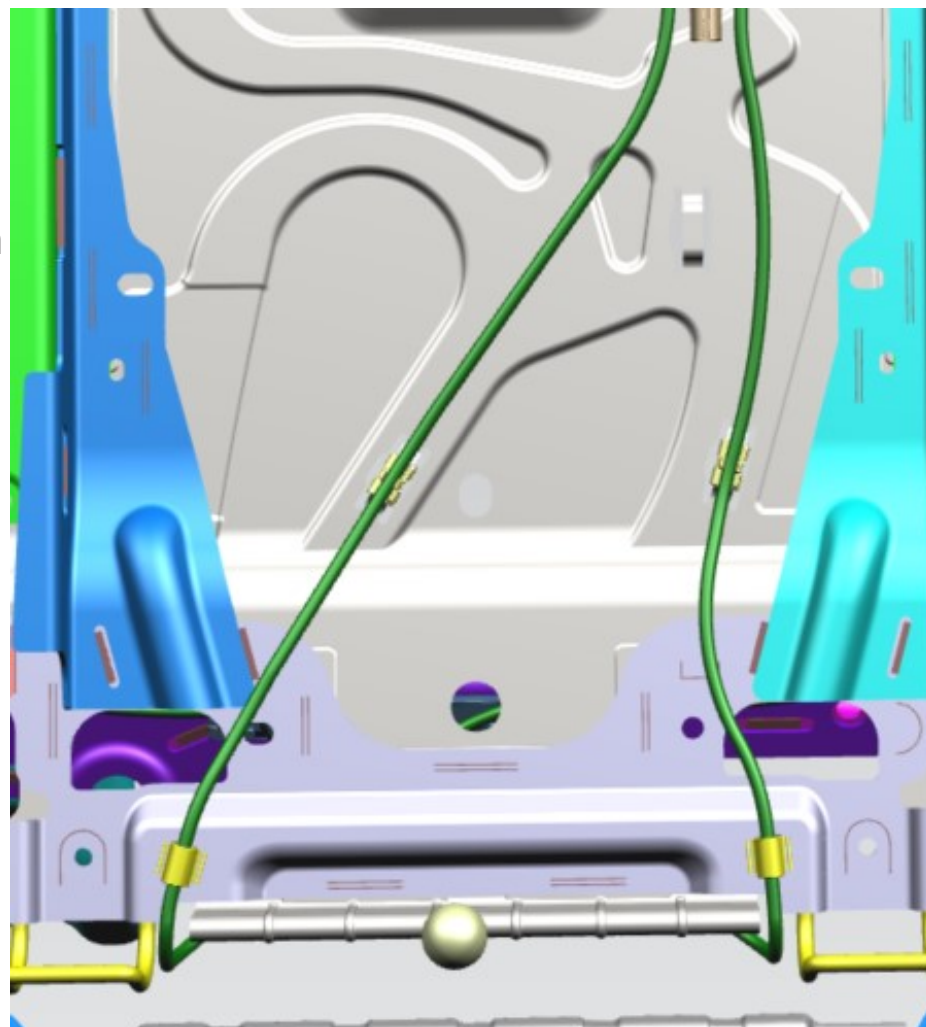
Bowden Cable Assembly

6. Route the cable and attach Bowden cable into its white clip.

Follow the routing according to the Bowden cable used.



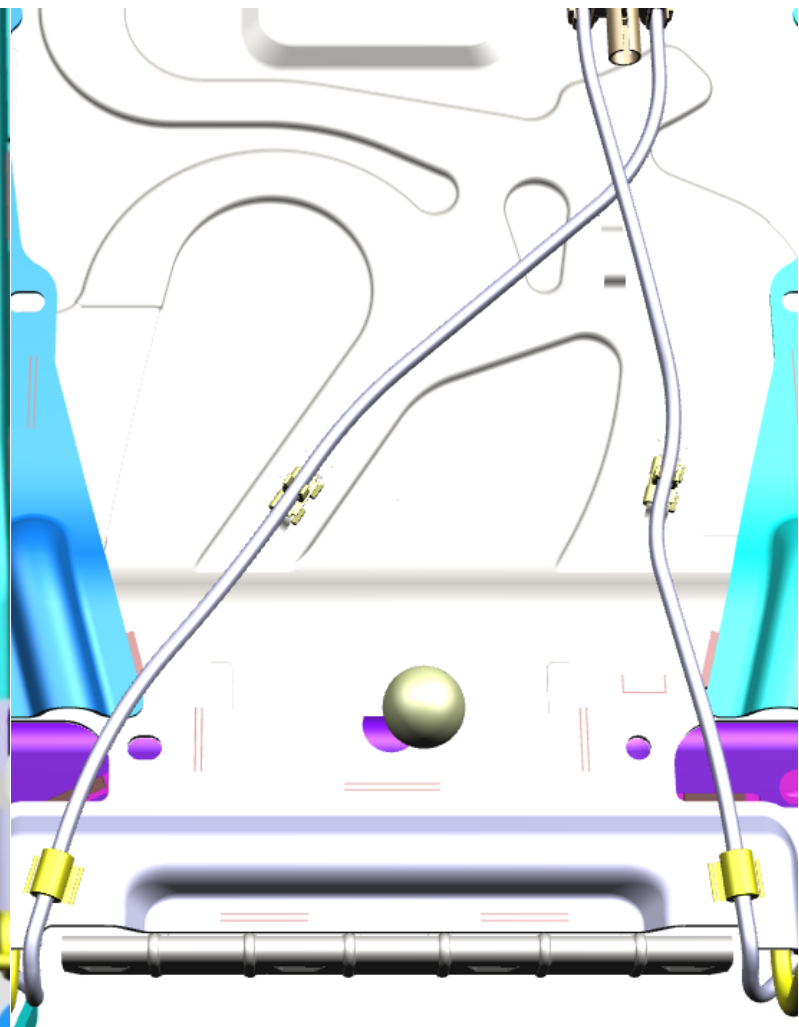
Old Bowden Cable



OB side

IB side

New Bowden Cable

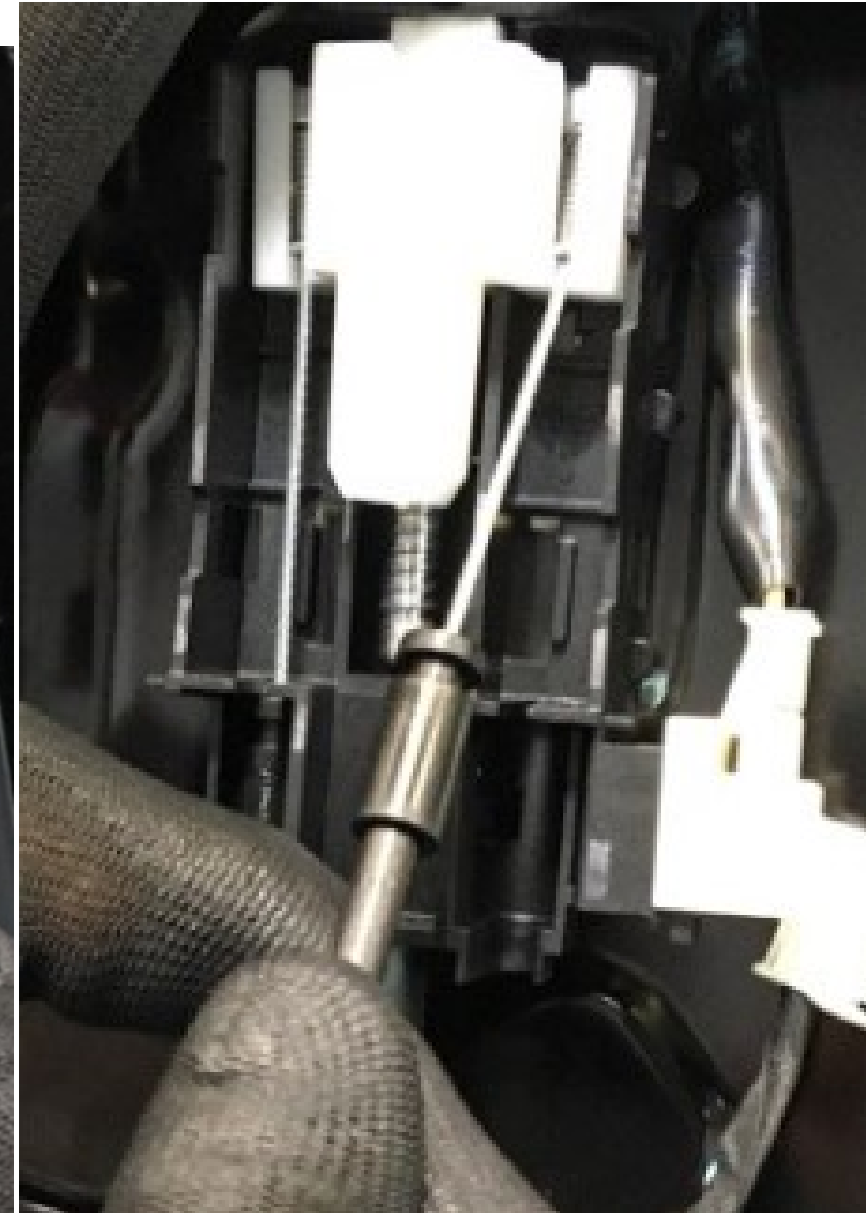


OB side

IB side

Bowden Cable Assembly

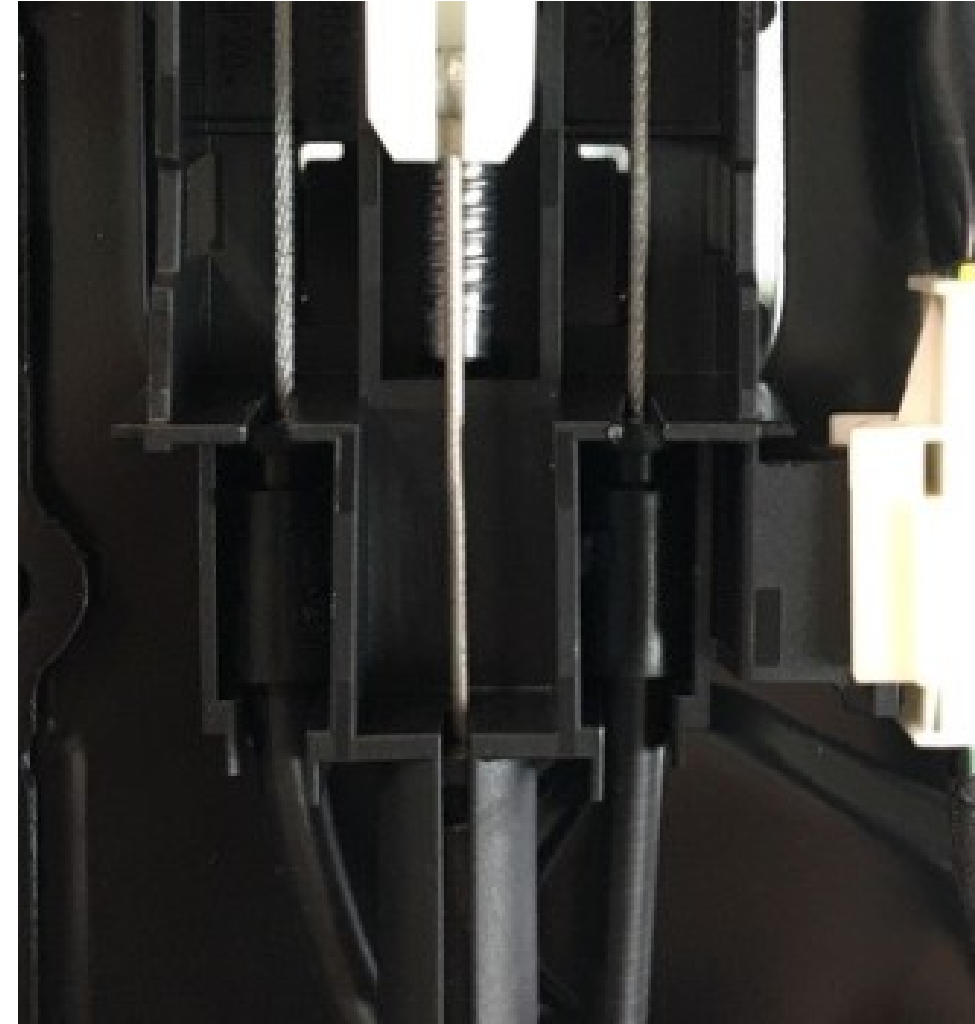
7. Attach the new Bowden cable spring by attaching the end in the spindle nut (white plastic) of the actuator.



Bowden Cable Assembly

8. Attach barrel in actuator by pulling the cable until the barrel can fit in the actuator.

Then push the barrel in its place, a click must be heard.



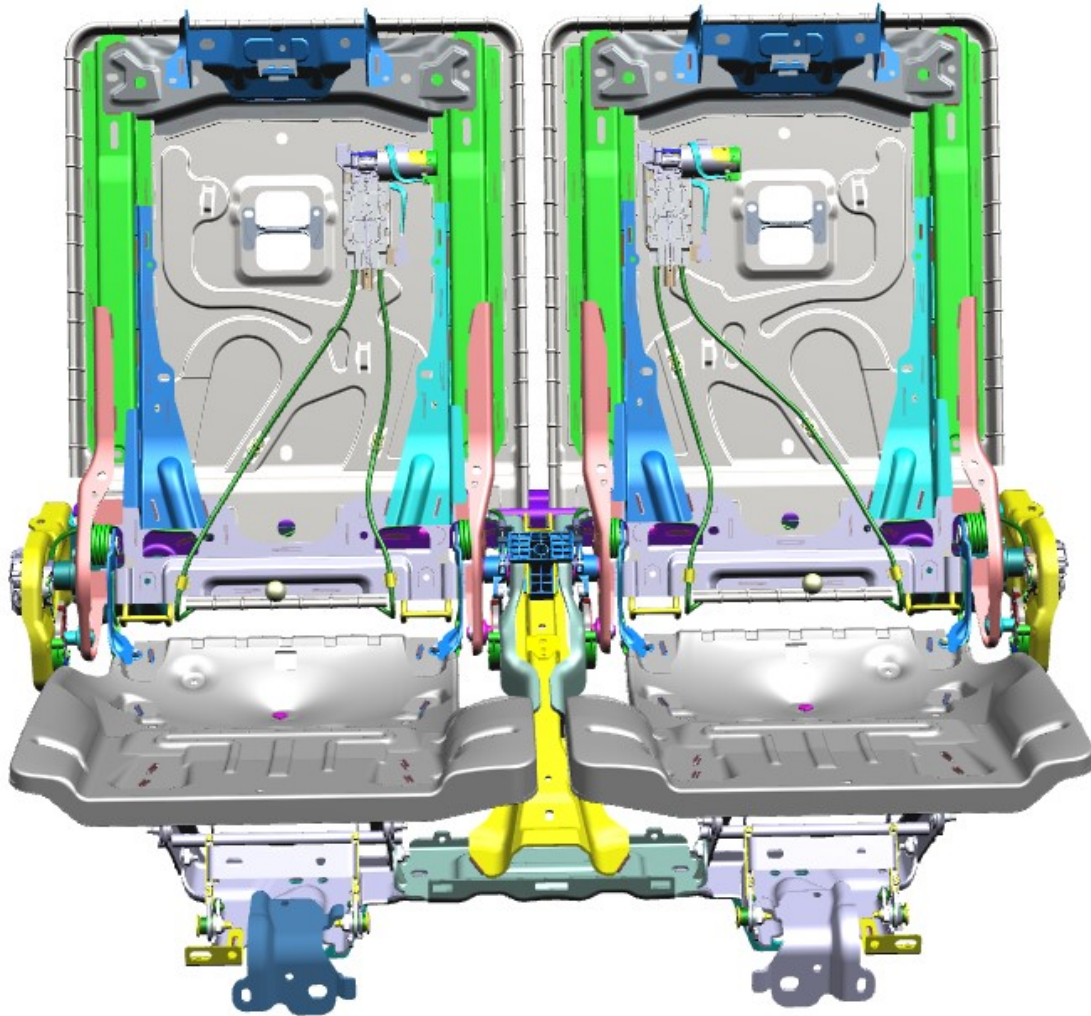
Bowden Cable Assembly

9. Reinstall actuator cover.

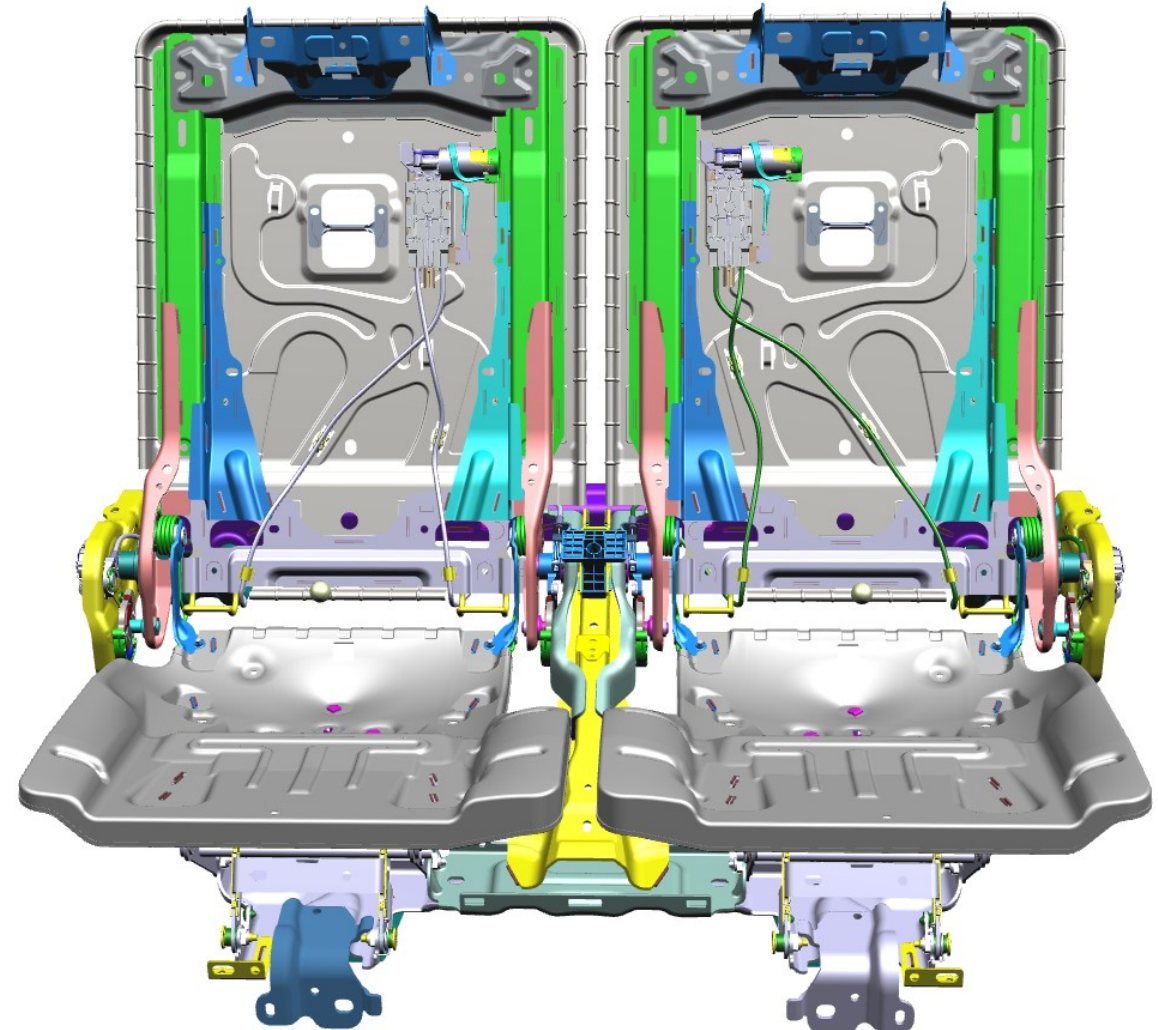


Bowden Cable Assembly

10. Function test seat to confirm everything is working well.



Old Bowden Cable



New Bowden Cable