

Symptom-based workshop manual

Service

41/24 ENU 7201

7

Front Seat Symptom - Noises from the Area of the Seat Backrest: Rework Upholstery Support and Backrest Cover (SY 41/24)

Model Line: **Panamera (YAA)**

Model Year: **As of 2024**

Concerns: **Front seat left and/or right**

Symptom: **The customer complains about different creaking and/or squeaking noises from the backrest area and the seat.**

These noises are intensified when the front seat is occupied and under the influence of cold outside temperatures.

Cause: Rework contact points between backrest frame, seat cushion/backrest cushion and backrest cover.

Action: If there is a customer complaint, rework the front seat.

Required parts and materials (as needed)

Parts Info:	Part No.	Designation – Point of use	Quantity per seat
	PAF011175	⇒ Internal serration screw, M10 x 28 - Seat rail	4 pieces
	9A700791500	⇒ Hexagon-head bolt – Screw on seat belt mount on front seat	1 piece

Materials: **Required materials** (usually already available in the Porsche Center):

Part No.	Designation	Quantity
99955113840	⇒ Felt strips 25 x 25 x 1	4 pieces per seat
...	⇒ Tie-wrap; commercially available	1 piece per seat
00004320744	⇒ Felt tape	1 piece
96455556500	⇒ Felt tape	1 piece

Required tools

- Tools:
- Seat assembly device, e.g. **VAS 6136 - holder for seat repair**
 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g., **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
 - Torque wrench, 20-100 Nm (15-74 ftlb.), e.g., **VAS 5820 - torque wrench, 20-100 Nm (15-74 ftlb.)**

Preparatory work



Information

Contrary to the procedure described in the Workshop Manual, the seat cover on the backrest and the upholstery support do **not** have to be completely removed.



Information

The actions for eliminating noise are described on a front seat and, if the fault pattern also applies, must be carried out in the same way on the second front seat of the vehicle.

Work Procedure: 1 If necessary, verify the error pattern as follows:

Creaking noise on seat cushion ⇒ *Verify fault -1-* :

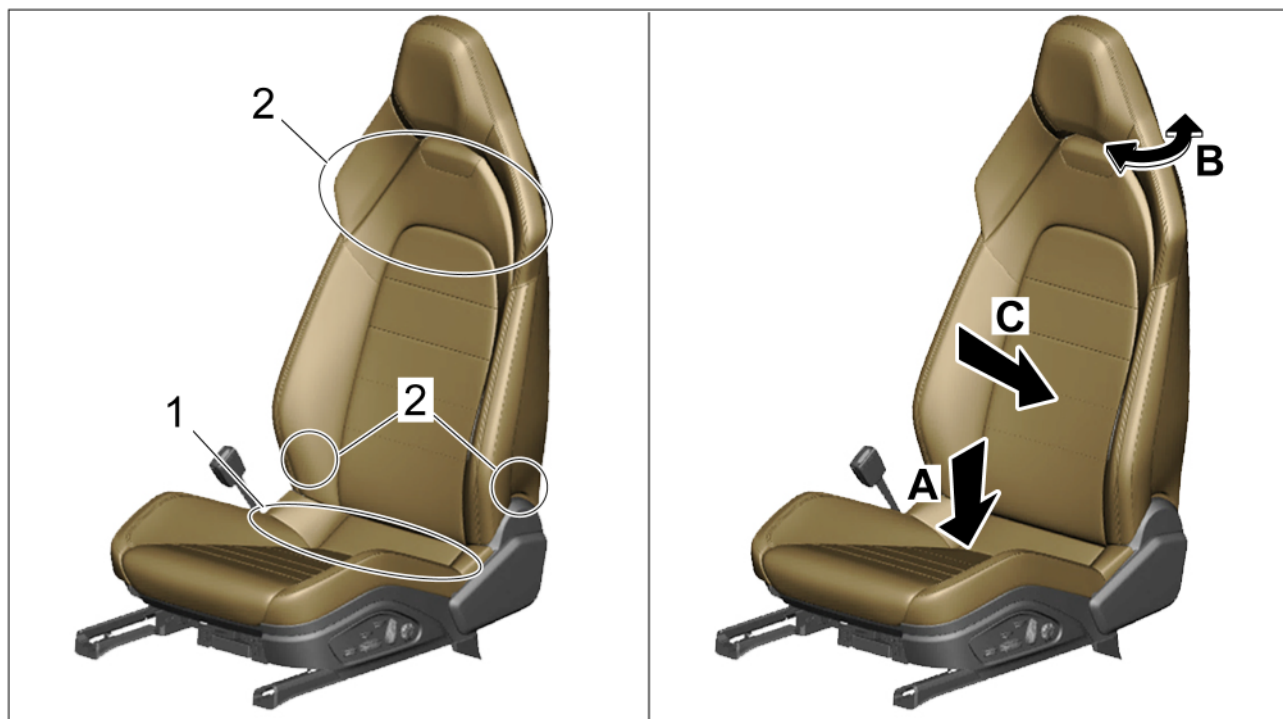
- Apply pressure on the seat cushion vertically with a flat hand and check whether there are any creaking noises ⇒ *Verify fault -Arrow A-*

Creaking noise in the shoulder area ⇒ *Verify fault -2-*:

- Twist the seat backrest in both directions and pay attention to creaking noises ⇒ *Verify fault -Double arrow B-*

Creaking noise on backrest cover lower ⇒ *Verify fault -3-* :

- Sit in the front seat and apply pressure on the backrest with the upper body reclined, paying attention to creaking / cracking noises ⇒ *Verify fault -Arrow C-*

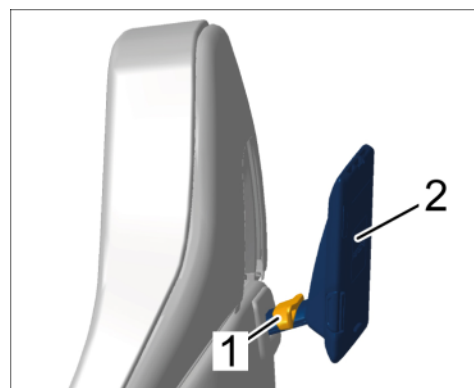


Verify fault

- 2 Move front seat to the topmost and rearmost position.
- 3 If necessary, drain the air from the lumbar support and from the side bolsters of the front seat. To do this, operate the respective control unit on the front seat until the end position is reached (bolt support and side bolsters completely emptied).

Only relevant for vehicles with the following equipment: **Rear Seat Entertainment (M-no. 9WF)**

- 4 Open locking mechanism ⇒ *Front seat screen-1*- and remove screen ⇒ *Front seat screen-2*- with holder.



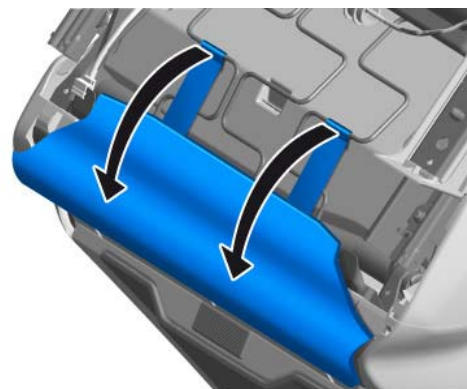
Front seat screen

- 5 Remove front seat.
⇒ *Workshop Manual '720119 Removing and installing front seat'*
- 6 Install front seat to seat assembly device **VAS 6136 - holder for seat repair** ⇒ *Front seat on assembly fixture* and put it into position to work on the underside of the seat.
If there is no seat assembly device, carefully place the front seat on a suitable work surface to work on the underside of the seat.
- 7 Release seat cover for backrest on backrest cover.



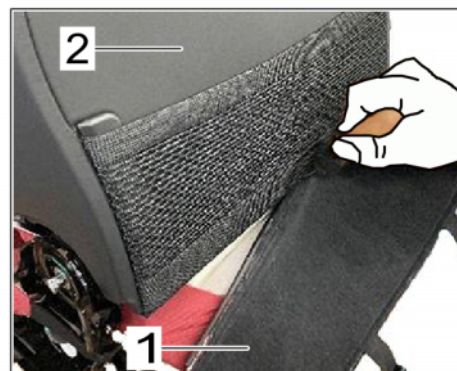
Front seat on assembly fixture

- 7.1 Unhook seat cover from suspension mat on the underside of the front seat ⇒ *Tensioning straps for backrest seat cover -Arrows-*.



Tensioning straps for backrest seat cover

- 7.2 Unhook seat cover on the bottom ⇒ *Seat cover on backrest, bottom -1-* using a suitable tool from the backrest cover ⇒ *Seat cover on backrest, bottom -2-*.
- 7.3 Unhook the lower corner of ⇒ *Release seat cover for backrest on backrest cover -1-* the backrest seat cover using suitable tools on both sides of the front seat.
- 7.4 Unhook seat cover on both sides of the front seat from below, starting from the backrest cover ⇒ *Release seat cover for backrest on backrest cover -2-*.

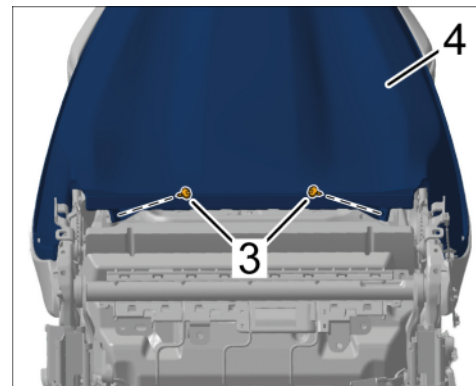


Seat cover on backrest, bottom



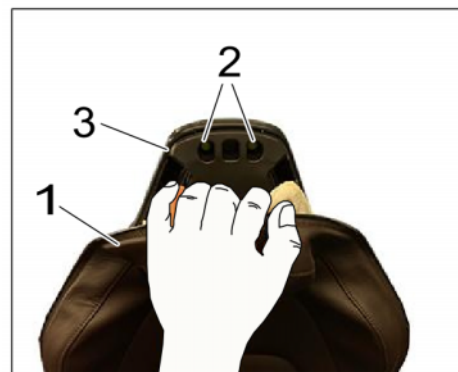
Release seat cover for backrest on backrest cover

- 8 Remove bottom screws ⇒ *Bottom screws for backrest cover -3-* from backrest cover ⇒ *Bottom screws for backrest cover -4-*.
- 9 Fold backrest upholstery support and backrest seat cover ⇒ *Screws for backrest cover top -1-* forwards until the upper screws ⇒ *Screws for backrest cover top -2-* of the backrest cover ⇒ *Screws for backrest cover top -3-* are accessible.



Bottom screws for backrest cover

- 10 Unscrew top screws ⇒ *Screws for backrest cover top -2-* on the backrest cover ⇒ *Screws for backrest cover top -3-* and remove backrest cover ⇒ *Screws for backrest cover top -3-*.



Screws for backrest cover top

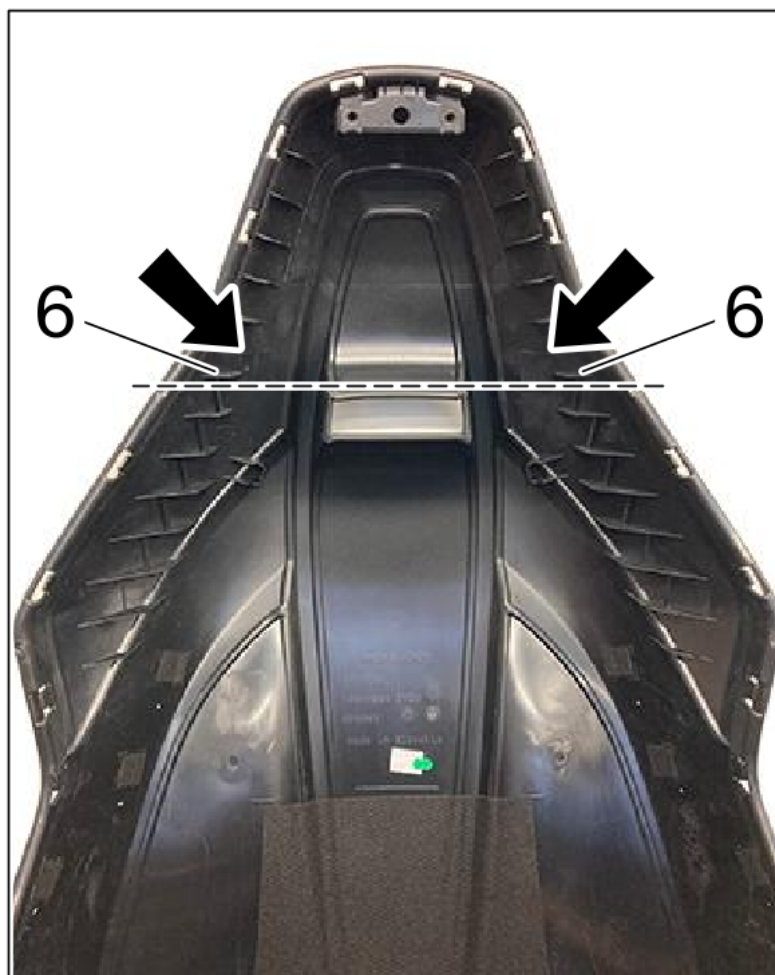
Reworking front seat



Information

Depending on the production date of the front seat, individual actions may already have been taken. If so, check the following area and continue the rework accordingly.

- Work Procedure: 1 Check the inside of the backrest cover and rework if necessary.
- 1.1 Glue felt with part number **99955113840** in the adhesive areas ⇒ *Check inner side of the backrest cover -Arrows-* on the left and right side of the backrest cover.
Depending on the production date, square markings may indicate adhesive areas.
If this is not the case, Glue the felt from above at the height of the sixth transverse rib ⇒ *Check inner side of the backrest cover -6-* on the left and right side of the backrest cover.



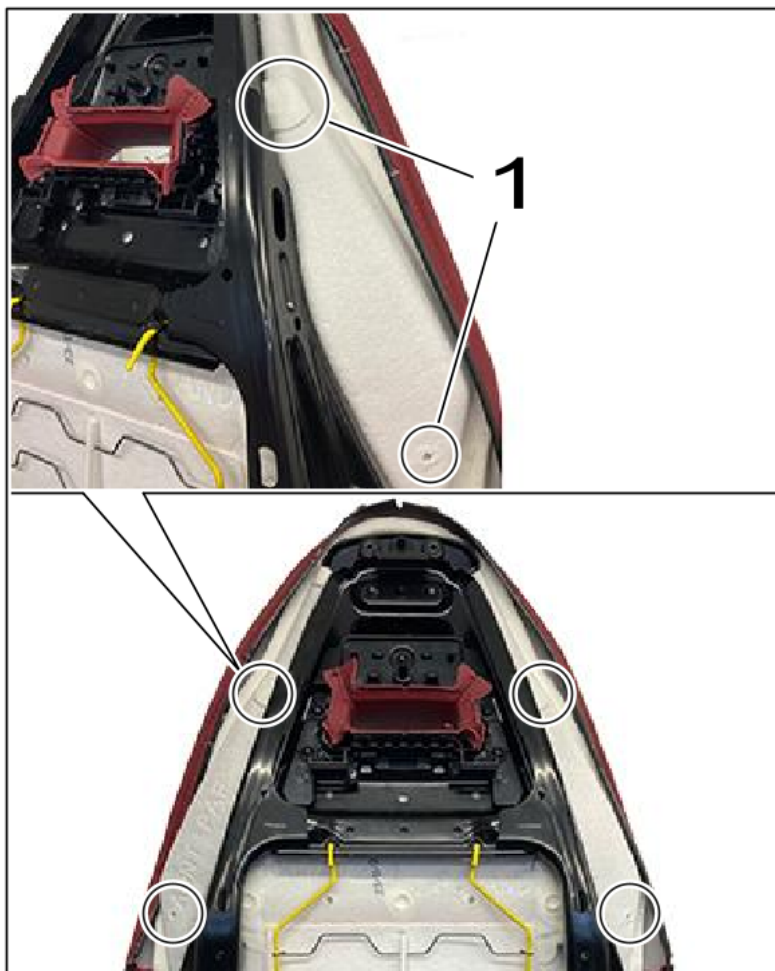
Check inner side of the backrest cover

- 2 Rework area of excess foam residues ⇒ *Excess foam residues on the upholstery pad -1-* on the upholstery backrest on the left and right side of the seat.



Information

The amount of excess foam residue on the upholstery pad may vary depending on the equipment and production period.



Excess foam residues on the upholstery pad

- 2.1 Remove excess foam residue ⇒ *Excess foam residues on the upholstery pad-1-*.
If necessary, a commercially available cutter blade can be used for this purpose.
- 2.2 Remove residues with **grain 180** sandpaper and roughen the surface.
- 3 Rework backrest frame in the area of excess foam residue on the backrest cushion on the left and right side of the front seat.



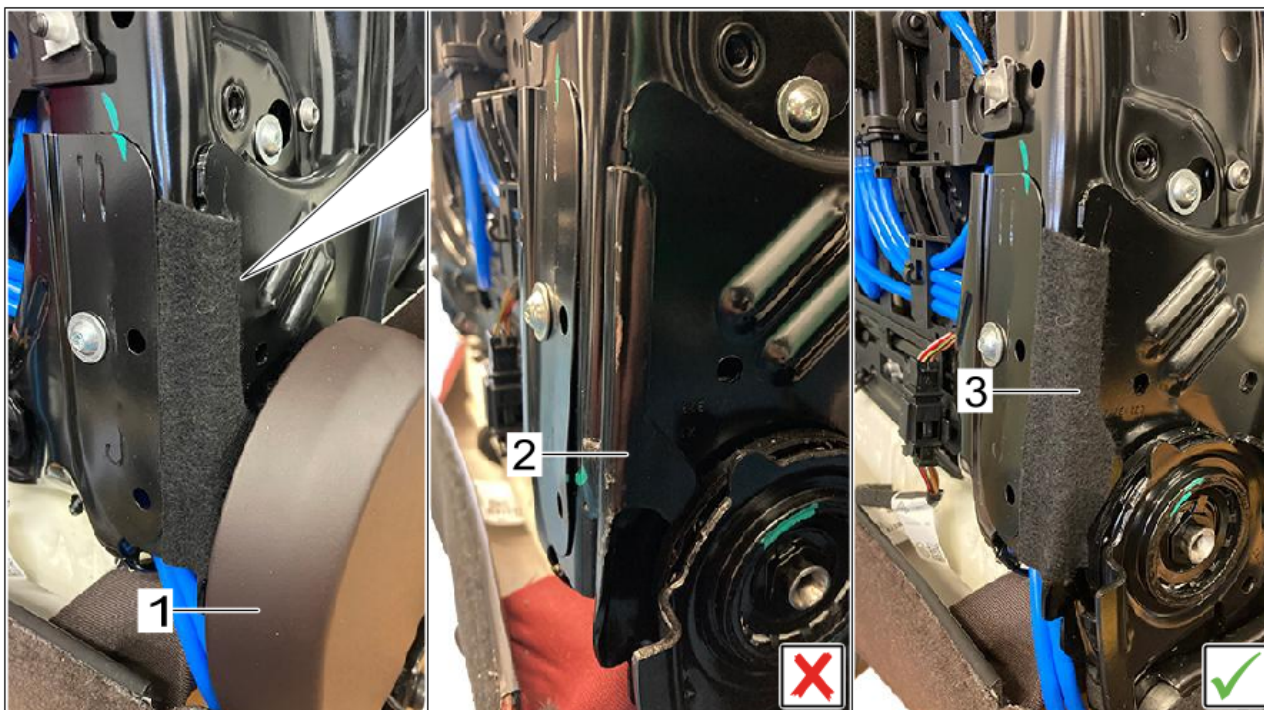
Information

A helper is required to perform this action on the side of the seat airbag.



Reworking backrest frame

- 3.1 Cut four 100 mm/ 3.94 in long felt strips ⇒ *Reworking backrest frame -1-* off the felt strip with part number **00004320744**.
- 3.2 Push backrest pad away from backrest frame until the adhesive area ⇒ *Reworking backrest frame -2-* between the backrest pad and backrest frame is accessible.
- 3.3 Glue two felt strips ⇒ *Reworking backrest frame -1-* next to each other in the adhesive area ⇒ *Reworking backrest frame -2-* inside on the backrest frame between holes ⇒ *Reworking backrest frame -A and B-*.
- 4 Rework backrest frame at the bottom left and right in the area of the outside of the installing ⇒ *Rework installing on backrest frame -2-*.



Rework installing on backrest frame

- 4.1 Cut a 100 mm/ 3.94 in -long felt strip ⇒ *Rework installing on backrest frame -3-* from the felt strip with part number **96455556500**.
- 4.2 Affix felt strips ⇒ *Rework installing on backrest frame -3-* to outside of the installing ⇒ *Rework installing on backrest frame -2-*.
The felt strip ⇒ *Rework installing on backrest frame -3-* must cover the entire outside of the installing ⇒ *Rework installing on backrest frame -2-*.
A commercially available plastic wedge can be used for process-safe operation. Removing the side trim ⇒ *Rework installing on backrest frame -1-* is not mandatory for this.

5 Check belt attachment trim and rework if necessary.

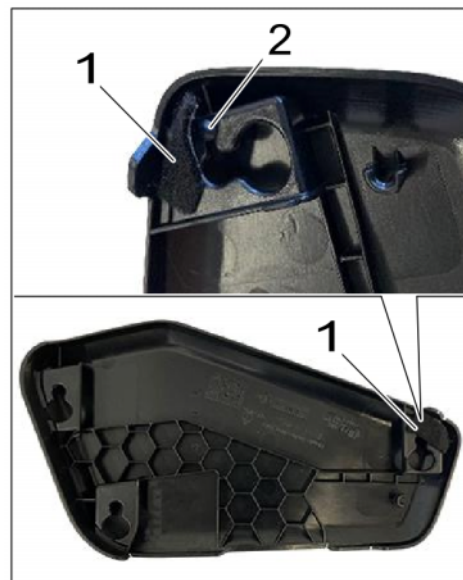
5.1 Cut a 15 mm long felt strip ⇒ *Reworking belt attachment trim panel-1-* from the felt tape with part number **00004320744**.

5.2 Affix felt strips ⇒ *Reworking belt attachment trim panel-1-* over the rubber buffer ⇒ *Reworking belt attachment trim panel-2-*.

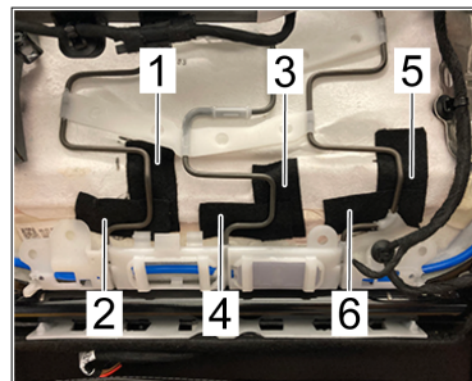
6 Rework front seat cushion cover.

6.1 Cut off six 60 mm long felt strips ⇒ *Reworking front seat cushion cover-1 to 6-* from the felt tape with part number **00004320744**.

6.2 Apply felt strips ⇒ *Reworking front seat cushion cover-1 to 6-* in the area shown below the metal struts to the cushion support.
⇒ *Reworking front seat cushion cover.*



Reworking belt attachment trim panel



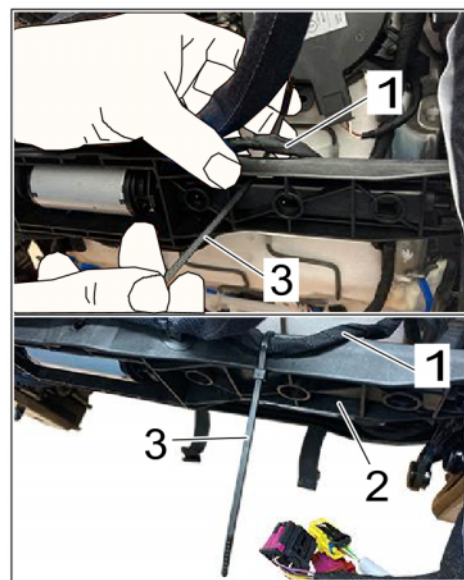
Reworking front seat cushion cover

7 Rework mounts for front seat wire harness.

- 7.1 Unclip edge clip \Rightarrow *Edge clip for front seat wire harness -1-* using a suitable tool.
Disconnect edge clip cable ties \Rightarrow *Edge clip for front seat wire harness -1-* and dispose of edge clip \Rightarrow *Edge clip for front seat wire harness -1-*.
- 7.2 Lay front seat wire harness \Rightarrow *Fastening wire harness for front seat -1-* along the engine bridge \Rightarrow *Fastening wire harness for front seat -2-*.
- 7.3 Fasten front seat wire harness \Rightarrow *Fastening wire harness for front seat -1-* with **new** cable tie \Rightarrow *Fastening wire harness for front seat -3-* through opening on the engine bridge \Rightarrow *Fastening wire harness for front seat -2-*. The closure of the tie-wrap must point downwards.
- 7.4 Cut off the extra length at the end of the tie-wrap \Rightarrow *Fastening wire harness for front seat -3-* using side cutters.



Edge clip for front seat wire harness



Fastening wire harness for front seat

Follow-up actions

Work Procedure: 1 Assembly of the front seat is performed in reverse order to disassembly.
Check the following while doing this:

- Ensure that the seat cover on the backrest is positioned correctly. The cut-out in the center of the guide at the height of the headrest must be placed on the provided guide of the backrest cover.

- First tighten screws on top of backrest cover with **with tightening torque 2.3 Nm (1.7 ftlb.)**.
 - Then tighten screws at the bottom of the backrest cover with **with tightening torque 2.3 Nm (1.7 ftlb.)**.
- 2 Install front seat.
⇒ *Workshop Manual '720119 Removing and installing front seat'*
 - 3 Check seat functions.
 - 4 End of remedial action.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
72010240	Checking front seat	
72014941	Reworking front seat left	
72014942	Reworking front seat right	

PCSS encryption:

Location (FES5)	72010	Front seat
Damage type (SA4)	2000	noises

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