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Workshop Manual Audi TT 2007 ➤

Fitting instructions: Filling roof side member with foam material

Edition 03.2008

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List of Workshop Manual Repair GroupsList of Workshop Manual Repair GroupsList of Workshop Manual Repair Groups

Repair Group

51 - Body - centre



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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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51 – Body - centre

1 Filling roof side member with foam material

1.1 Procedure

Enter the repair in the Service Schedule under Service Record / Workshop Remarks after filling the roof side member with foam material.

Roof side member (left-side) filled with foam material: yes / no

Roof side member (right-side) filled with foam material: yes / no

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Note

- ◆ *After the rivets have been fitted, the vehicle must be left standing on a level surface for 24 hours at a room temperature of 15° C to allow the adhesive components to harden.*
- ◆ *Do not continue working on the vehicle until this time has elapsed.*

Note

The instructions given here apply to the left side of the vehicle. The procedure for the right side of the vehicle is the same.

It is important to keep exactly to the procedure as described.

Heat the cartridge of structural foam material for 30 minutes in a water bath at a constant temperature of approx. 60 °C.

The cartridge can also be heated at 60° C in a suitable oven, if available.

Remove A-pillar.

Remove roof trim strips.

Mask off rivet holes with commercially available adhesive tape.

Prepare static mixer for foaming operation.

Inject foam into holes and then refit screw plugs immediately.

Install A-pillar.

Install roof trim strips.

Replacement parts

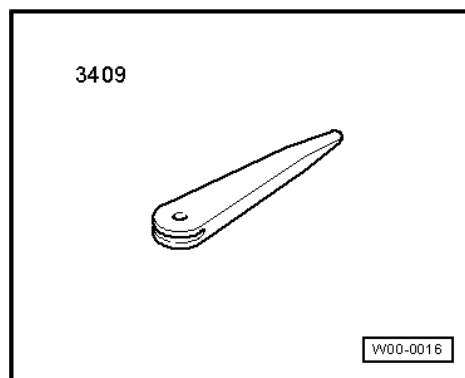
- ◆ 4x 2-component epoxy hard foam -D 506 110 A2-
- ◆ 22x Pop rivet N 910 197 01

Special tools and workshop equipment required

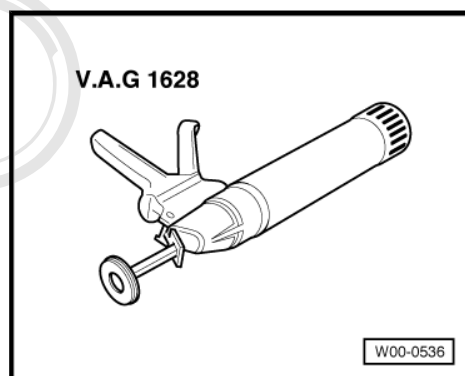
- ◆ Drill -VAS 5830-



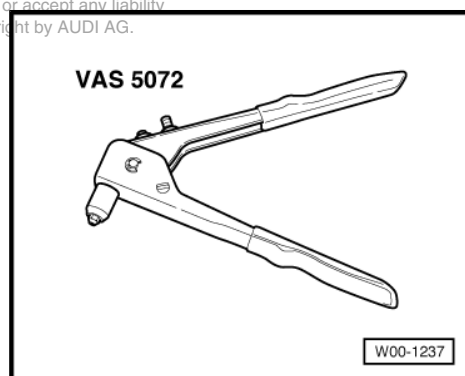
◆ Removal wedge -3409-



◆ Hand-cartridge gun -V.A.G 1628-

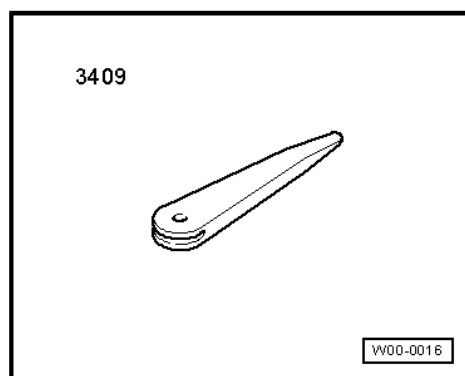


◆ Pop rivet pliers -VAS 5072-



Special tools and workshop equipment required

◆ Removal wedge -3409-



- Heat the cartridge of structural foam material for 30 minutes in a water bath at a constant temperature of approx. 60 °C.

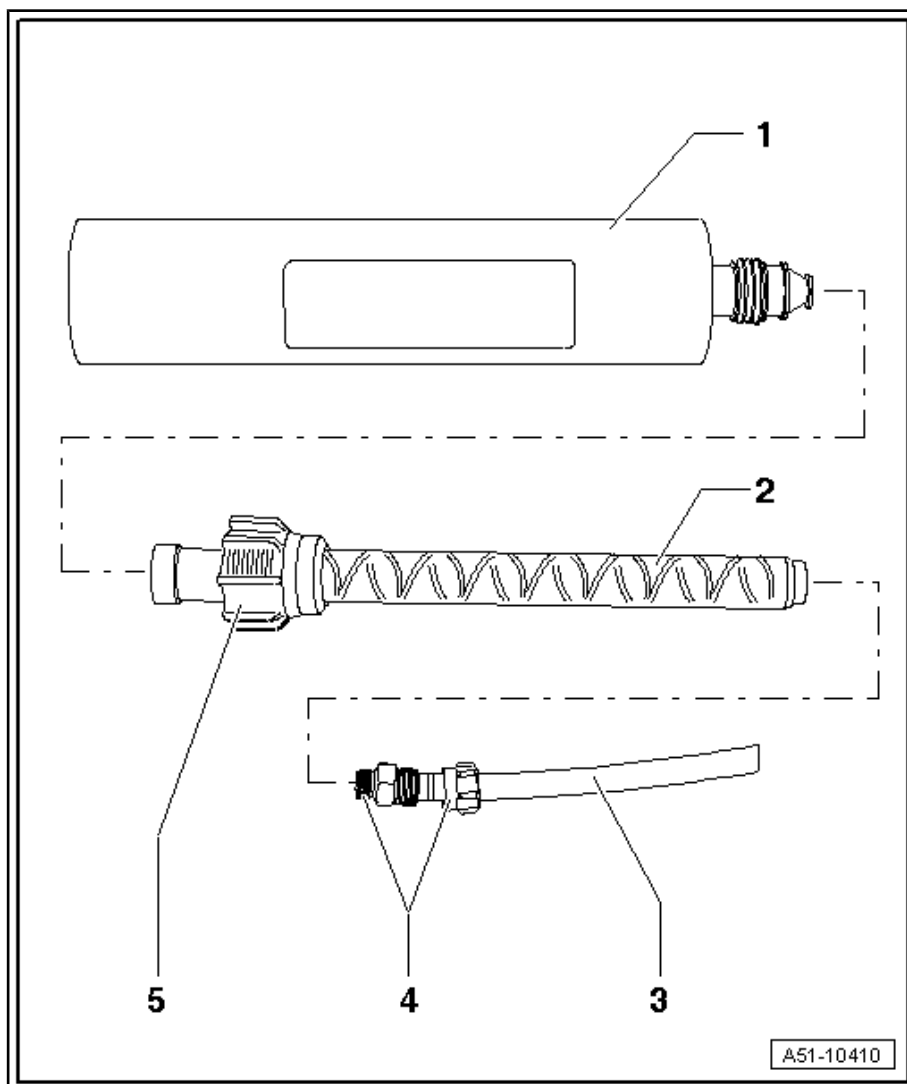
The cartridge can also be heated at 60° C in a suitable oven, if available.

1 - 2-component structural foam cartridge

- Open cap.

2 - Static mixer**3 - Extension hose****4 - Adapter****Note****5 - Union nut**

- Screw onto structural foam cartridge -1- together with static mixer -2-.

**Removing A-pillar (top)****Removing**

- Unclip C-pillar trim -1- at area adjoining upper A-pillar trim -2-.
- Starting at top, unclip upper A-pillar trim -2- using removal wedge -3409-.
- Lift out upper A-pillar trim -2-.

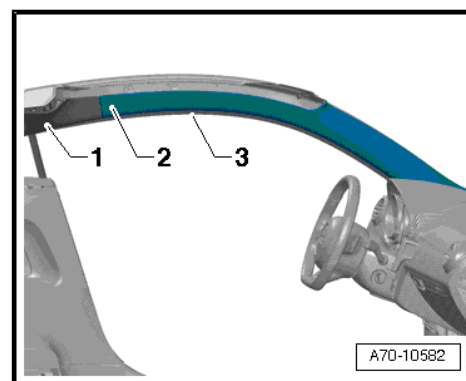
Installing

Install in reverse order of removal. Observe the following:

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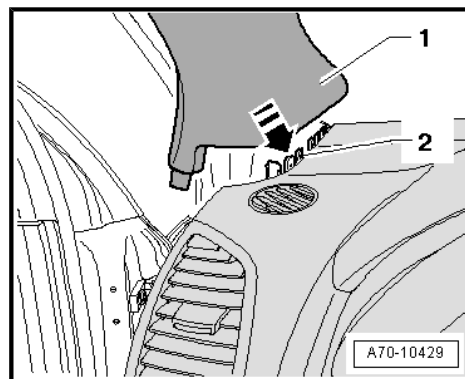
**Note**

- ◆ If clips for the trim have been left behind in the mounting points on the body, remove them and insert them in the trim.
- ◆ Check clips for damage or deformation and renew if necessary.



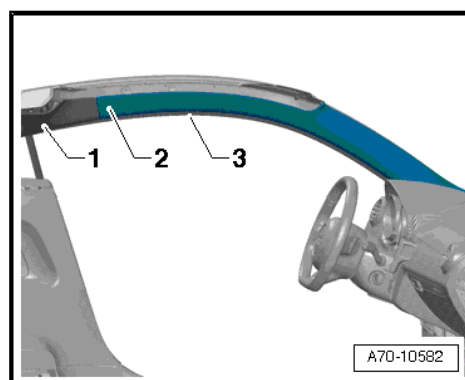


- Start by inserting upper A-pillar trim -1- in ribbed section -2- of dash panel in direction of -arrow-.



- Clip in upper A-pillar trim -2- and fold lip of door seal -3- over upper A-pillar trim -2-.

Removing roof trim strip



Note

The side window can remain installed when removing the roof trim strip.



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1 - Roof trim strip



Note

- Detach door seals from body flange in area of roof trim strip.
- Drill heads off pop rivets, knock out rivet stems and detach roof trim strip.
- ☐ Carefully prise roof trim strip out of retaining clips and detach.

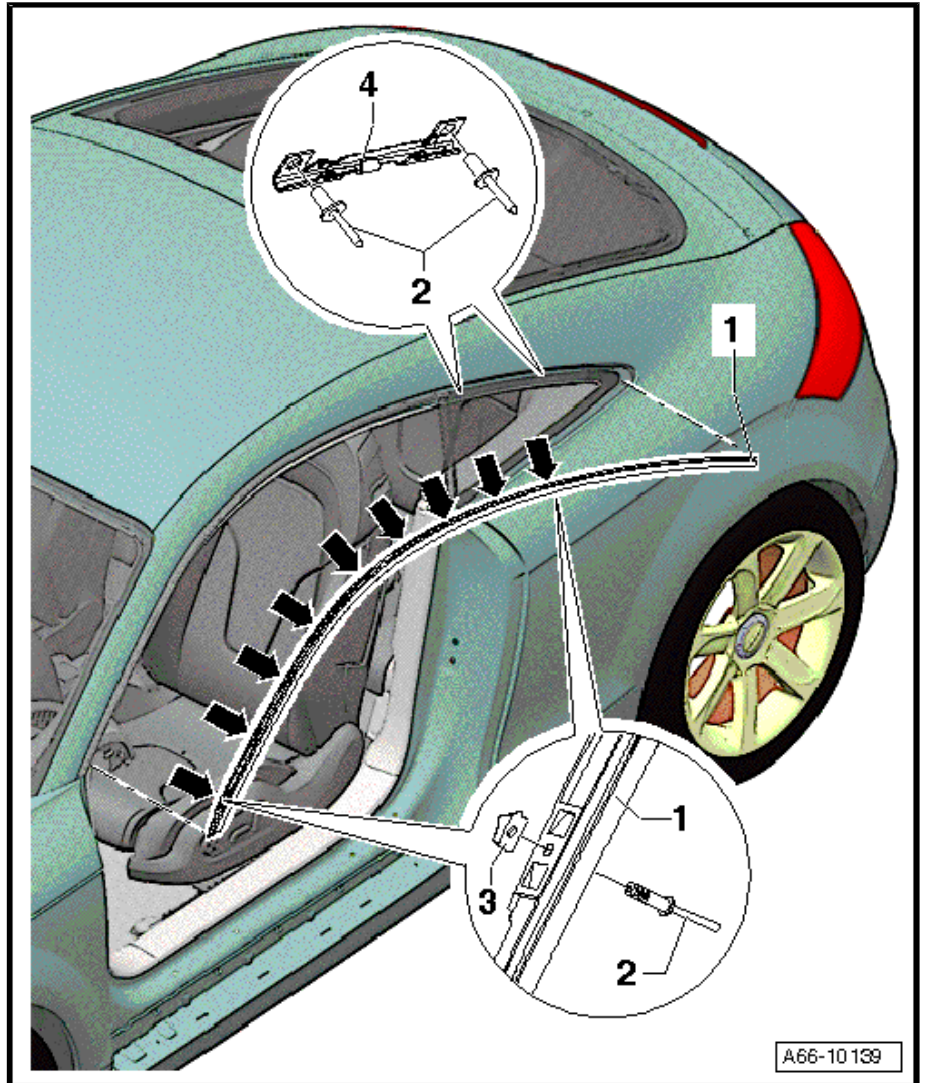
2 - Pop rivet

- ☐ 11x

3 - Side panel

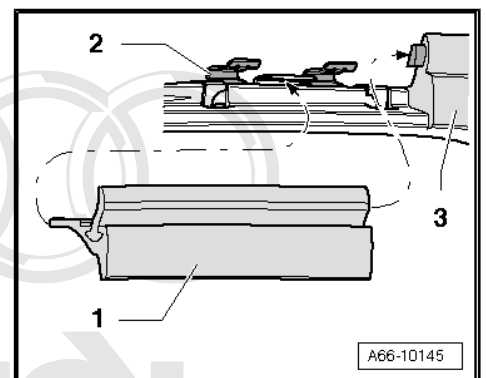
4 - Retaining clip

- ☐ 4x



End piece for roof trim strip

- When fitting, first slide roof trim strip -1- into moulded trim -2- at side window and then press into retaining clip -2-.



1.2 Applying structural foam material



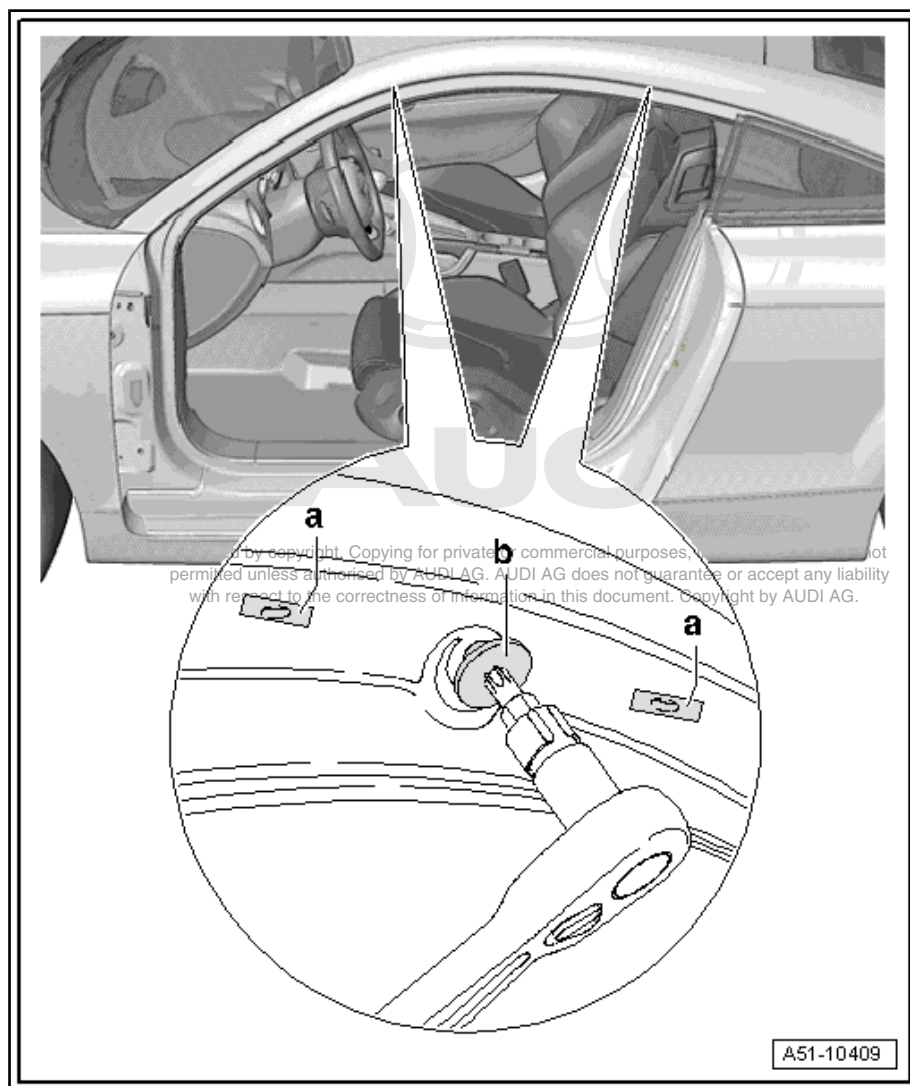
Note

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Use 1 static mixer tube for all 4 holes.

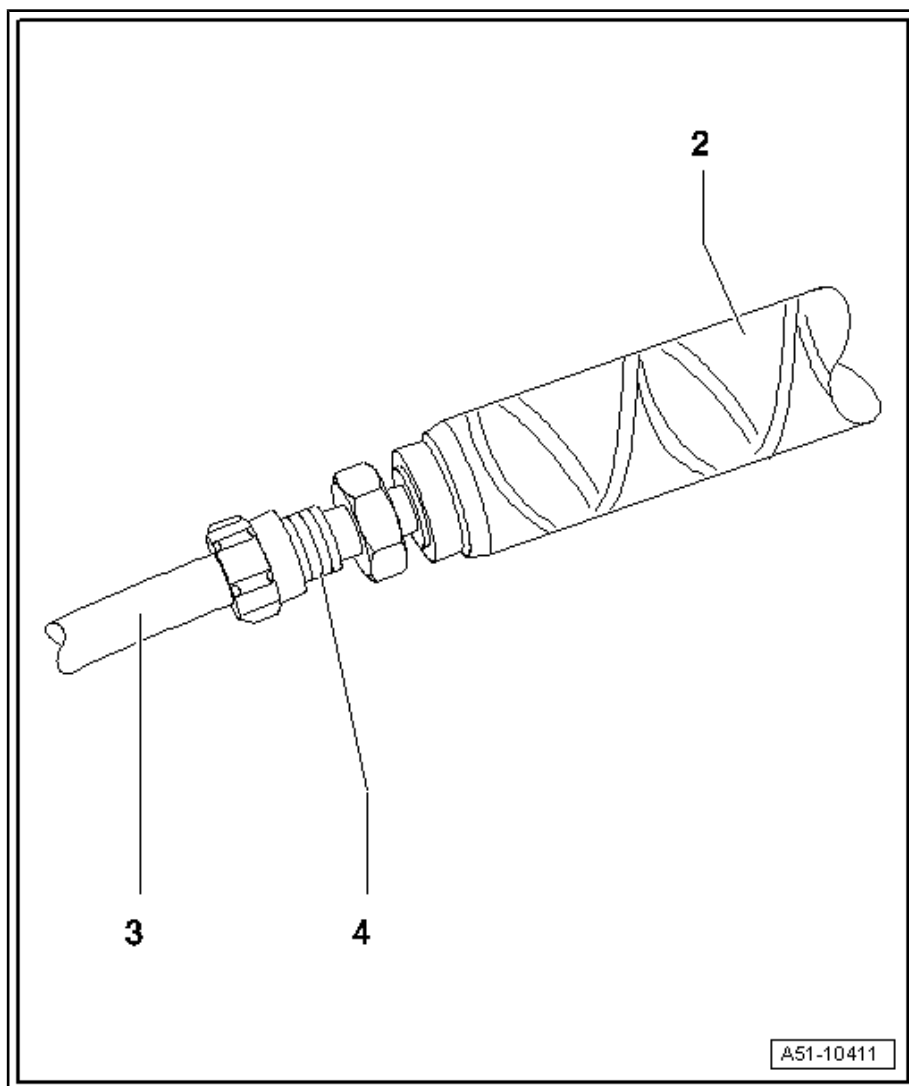
Remove screw plugs -b- from roof side member.

Mask off adjacent rivet holes with commercially available adhesive tape -a-.



1 - Remove hose - 3 - (supplied with set) from nozzle

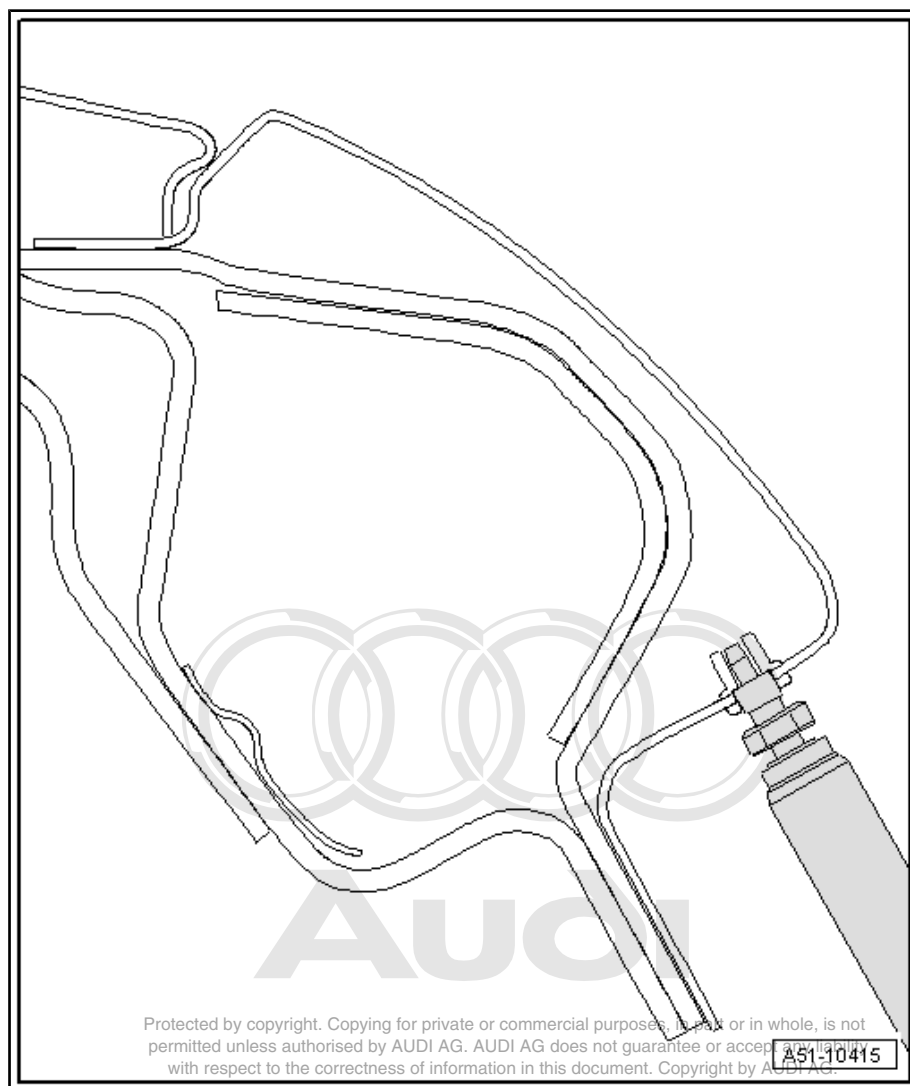
2 - Screw nozzle - 4 - into static mixer tube - 2 -



- Apply hand-cartridge gun -V.A.G 1628- at right angles to roof side member.

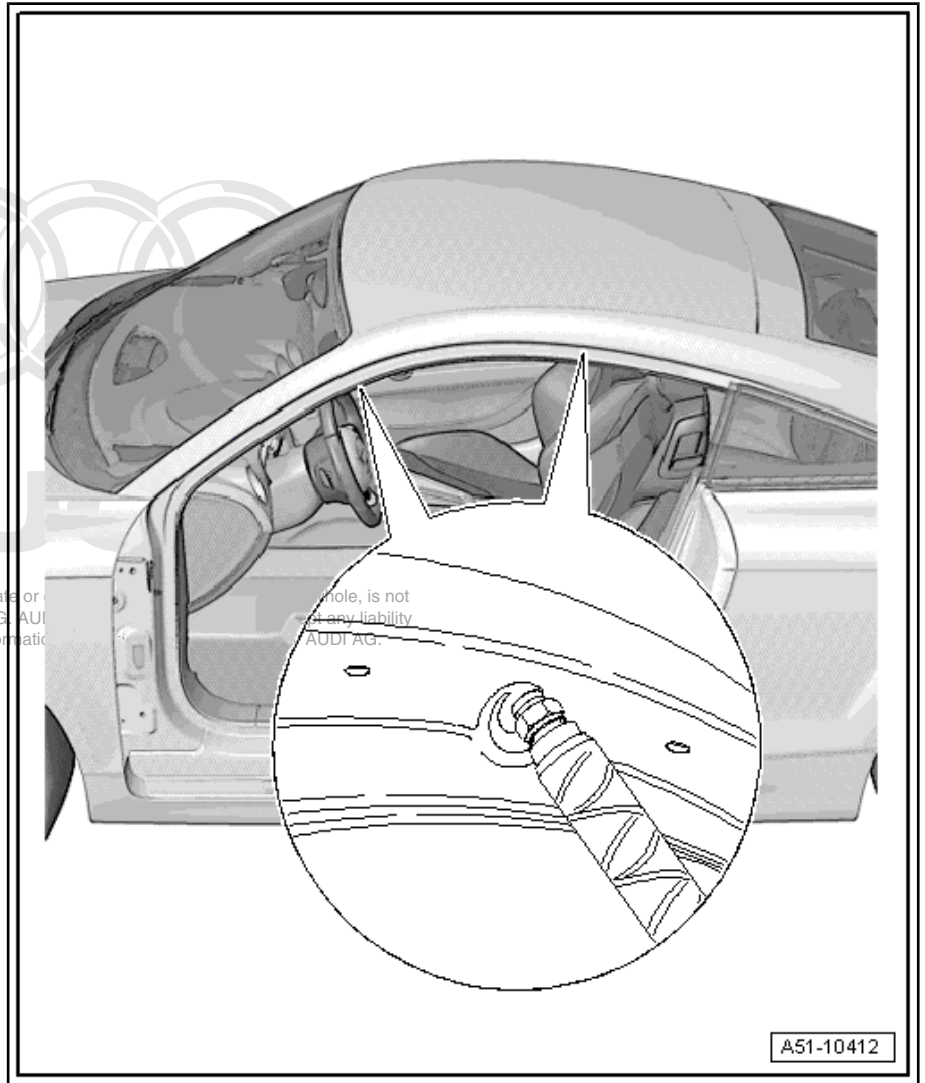


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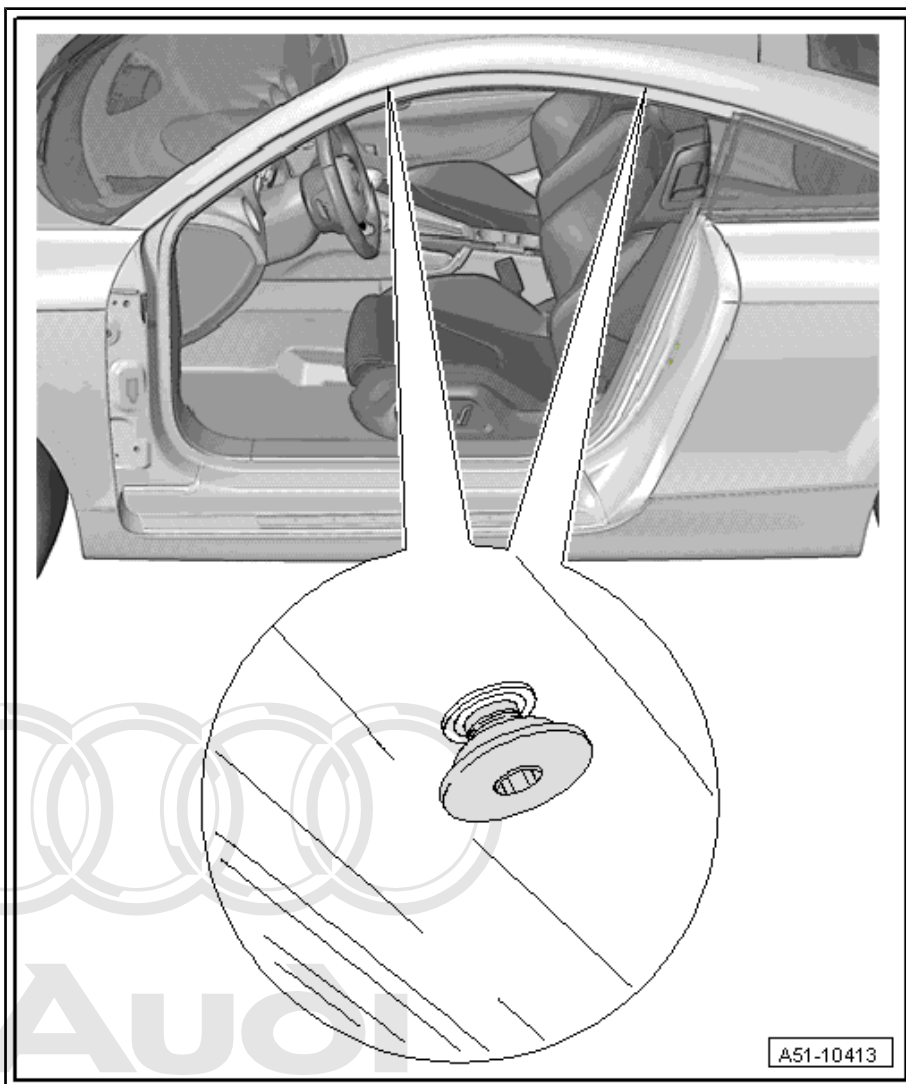
- Inject the contents of one 2-component epoxy hard foam cartridge into each hole.

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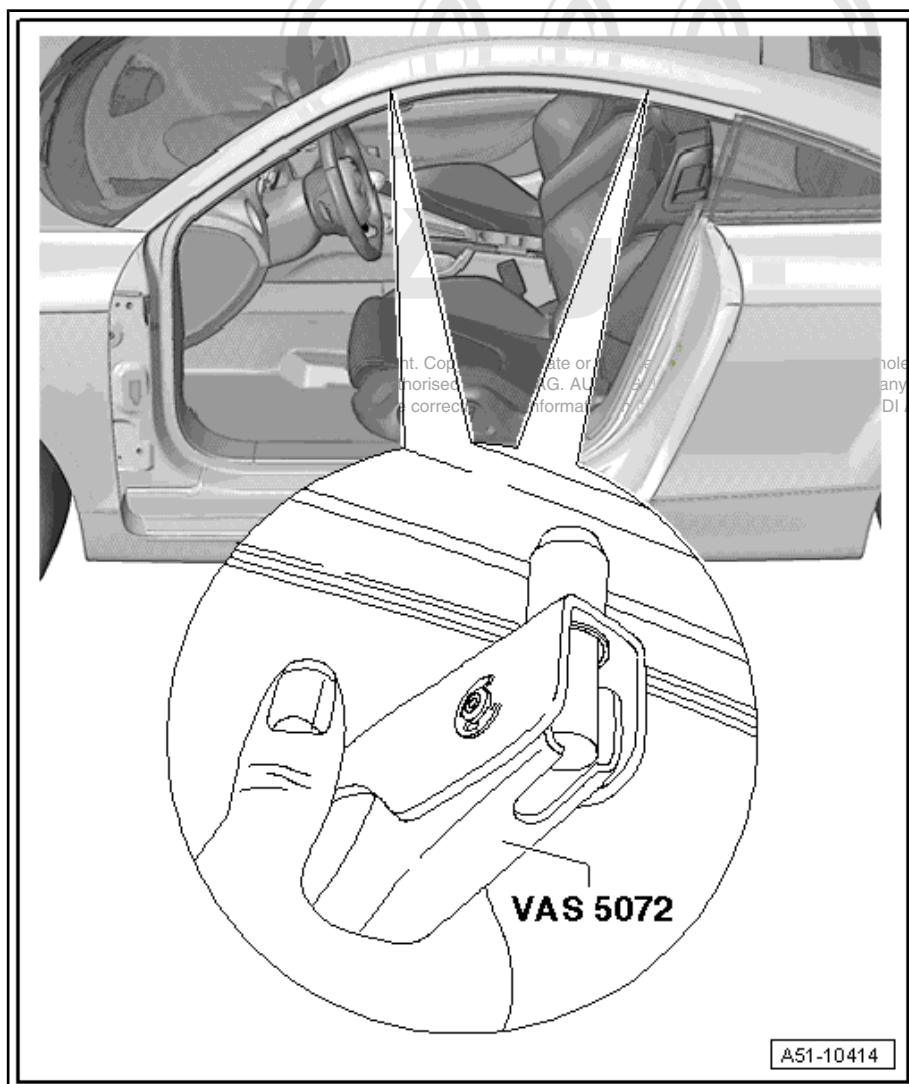


1 - Refit screw plugs immediately after injecting foam material.



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1 - Rivet on roof trim strip using pop rivet pliers -VAS 5072- after injecting foam material.



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