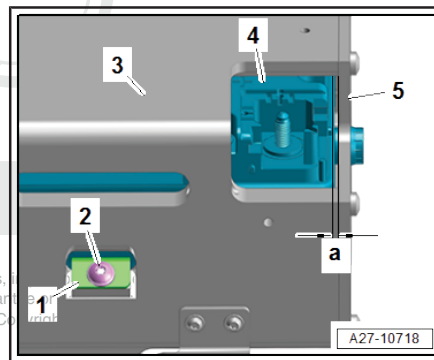


Installing

Install in reverse order of removal and note the following:

- Insert the lithium-ion battery -4- into the protective housing -3-. Pay attention to the dimension -a- to the housing edge -5-.
- Dimension -a- = 2 mm.
- Tighten the bolts -2- for the retaining bracket -1-.
- Install the housing cover.
- Push on the pressure vent tube until it audibly locks. Check the pressure vent tube for secure fit by pulling on it.



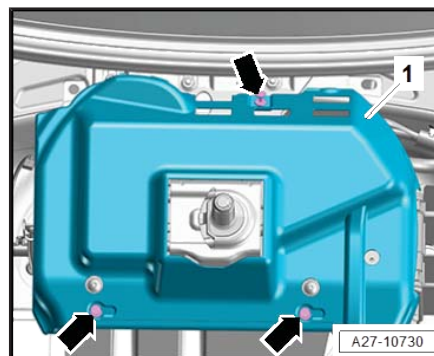
Tightening Specifications

- ◆ Refer to ⇒ ["1.1.2 Overview - Battery, 48 V A6 , 0K4", page 7](#)

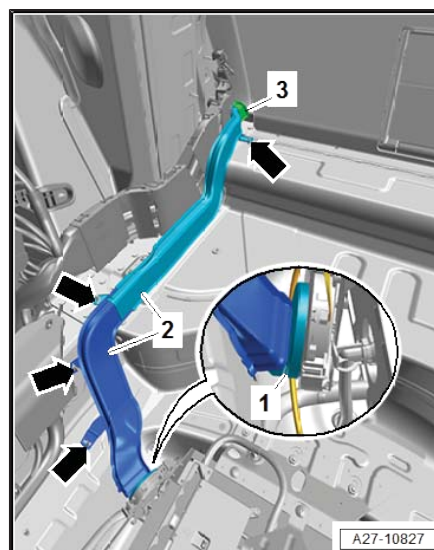
1.6 Battery Fan 1 - V457- / Battery Fan 2 - V458- , Removing and Installing

Removing

- Remove the luggage compartment floor panel cover.
- Remove the tool kit mount.
- Remove the spare tire well trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Luggage Compartment Trim; Spare Tire Well Trim, Removing and Installing .
- Remove the expanding rivet -arrows-.
- Remove the cover -1-.



- Remove the front/rear air ducts -2- from the threaded pins -arrows-, from the fan connection -1- and from the front connection -3- and remove them from the luggage compartment.

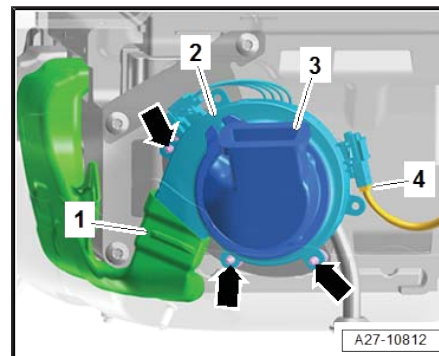




- Disconnect the connector -4-.
- Detach the battery cooling fan -2- from the rubber bushings -arrows- and remove it from the front air duct -1-.
- Remove the connection -3- from the battery cooling fan.

Installing

Install in reverse order of removal.



1.7 Battery, 48 V - A6- , Visually Inspecting and Classifying

Special tools and workshop equipment required

- ◆ Vehicle Diagnostic Tester
- ◆ Diagnostic Box - VAS5581-
- ◆ Diagnostic Box - Adapter Cable - VAS5581/1A-
- ◆ Adapter Cable - VAS5581/1A-2-

Procedure

CAUTION

There is danger of a health risk due to poisonous dust and fluids.
- Never work on a lithium-ion battery with a short circuit.

CAUTION

There is a risk of burns due to a hot lithium-ion battery.
It is possible to burn hands.
- Do not touch a hot battery.
- Wear safety gloves.

The Battery, 48 V - A6- must be checked for:

- ◆ Cracks in the housing for the Battery, 48 V - A6- .
- ◆ Deformities in the housing for the Battery, 48 V - A6- .
- ◆ Changes in color due to the effects of temperature and housing discoloration
- ◆ Electrolyte leakage.
- ◆ Contact damage.
- ◆ If the information and warning label is present and readable.
- ◆ Corrosion damage.
- After the visual inspection, the Battery, 48 V - A6- must be classified.
- Connect the Vehicle Diagnostic Tester .

With the Battery, 48 V - A6- removed, use the -VAS5581- with the -VAS5581/1A- and the -VAS5581/1A-2- .

- Select the **Diagnostic** mode and start the diagnosis.
- Select the **Test plan** tab.