

# Procedure for Faulty or Accident-Damaged High-Voltage Vehicles

## Special tools and workshop equipment required

- t Warning Sign - High Voltage -VAS6649-
- t Digital Thermometer -VAS6519- or Temperature Measurement Device



### **DANGER!**

***Extremely dangerous voltage.***

***Electrocution can cause death or very serious personal injury.***

***Persons with electronic/medical life and health support devices or such devices carried in or on the body are not permitted to work on the high-voltage system for safety reasons. Among others, life support devices include internal pain medicine pumps, implanted defibrillators, heart pace makers, insulin pumps and hearing aids.***

***Only qualified Audi high-voltage technicians are permitted to work on the high-voltage system.***



### **WARNING**

***Ignoring the recommended procedures and measures can lead to serious injuries and/or death.***

1. The Audi high-voltage technician (HVT) must be informed when a faulty or accident-damaged high-voltage vehicle is being delivered.
2. Follow the workshop procedure plan for high-voltage vehicles.
3. Park and observe the vehicle involved in a collision outside in the quarantine space. The following applies at the same time:
  - t Do not park the vehicle near buildings.
  - t Park the vehicle on a surface that has been sealed for vehicles involved in a collision or place a drip tray under the vehicle where the lithium-ion high-voltage battery is located.
  - t Place the -VAS6649- on the vehicle and secure the vehicle so that unauthorized persons cannot get access to the vehicle.

t Cover the vehicle with a waterproof tarp to protect the high-voltage battery if it is going to be exposed to outside weather conditions.

4. Observe the reporting requirements for vehicles involved in a collision.

5. Observe the reporting requirements for high-voltage vehicle components.

6. Perform the GFF test program for classifying the lithium-ion high-voltage battery. The GFF test program can be found on the diagnostic unit under:

– Connect the Vehicle Diagnostic Tester → [Vehicle diagnostic tester](#).

– Select the  mode and start the diagnosis.

– Select the  tab.

– Select the  button and select the following tree structure consecutively:

t Body

t Electrical system

t 01 - OBD-capable systems

t 8C - Battery Regulation Control Module -J840

t 8C - Battery Regulation Control Module, functions

t AX1 - Hybrid battery classification

7. If further action for the lithium-ion high-voltage battery is necessary, the following applies:

7.1. Lithium-ion high-voltage battery remains in the vehicle.

7.2. Inform the high-voltage expert (HVE) at the importer.

7.3. Order recycling box or transport box for lithium-ion battery.

8. Observe the lithium-ion high-voltage battery for five days in the vehicle. Check the temperature of the lithium-ion high-voltage battery regularly, at least two times a day, using a temperature measurement device (for example -VAS6519-) and temperature measurement strips. Inform the high-voltage expert of the lithium-ion high-voltage battery condition on a regular basis.

9. If the condition of the lithium-ion high-voltage battery does not stay constant, extend the quarantine five more days. Return to point 8.

10. When the condition of the lithium-ion high-voltage battery is constant, the following applies:

10.1. The high-voltage expert comes on site.

10.2. The high-voltage expert accompanies the transport from the quarantine space to the work area in the workshop.

10.3. The high-voltage expert removes the lithium-ion high-voltage battery from the high-voltage vehicle.

10.4 The high-voltage expert packs the lithium-ion high-voltage battery

properly in the previously mentioned lithium-ion battery recycling box or transport box. Therefore the high-voltage expert requires training for the "handling of the lithium-ion battery recycling box".

10.5. The high-voltage expert fills out the shipping documents.