

Technical Service Bulletin



27 Battery testing and charging - vehicles with BDM (J367)

27 13 18 2023282/3 October 4, 2013. Supersedes Technical Service Bulletin Group 27 number 12-10 dated February 13, 2012 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A5/S5	2008 - 2014	All	Not Applicable
A4	2009 - 2014		
A5/S5 Cab.	2010 - 2014		
Audi Q5	2009 - 2014		
Audi Q7	2009 - 2014		
A6	2009 - 2014		

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header data (Added model year)
2	2/13/2012	Revised header data (Added model years)
1	5/5/2010	Original publication

Battery testing and charging for vehicles equipped with a Battery Data Manager (BDM - J367).

Technical Background

When the InCharge 940 is used as a battery charger in auto mode, it performs a battery condition test and may prematurely fail the battery if the charging takes place at the jumper posts in the engine compartment. This is due to the added resistance in the system between the battery and jumper posts. When the InCharge 940 is used as a battery charger in manual mode, the battery condition test is not performed.

Production Solution

Not applicable.

Service

Testing the battery

Follow Guided Fault Finding battery test plan.

Charging the battery

Connect the Midtronics INC-940 diagnostic charging station. Instructions for both Auto Mode and Manual Mode follow.

AUTO MODE:

1. Connect the InCharge 940 positive cable clamp to the positive battery post.
2. Connect the negative cable clamp to the vehicle's negative battery cable downstream at the body attachment point (Figure 1 and Figure 2).



Tip: This connection ensures J367 remains in the loop so that it may provide battery charge data to the Gateway (J533) as the J367 is clamped directly to the battery negative post.



Figure 1. Negative battery cable at the body attachment point (white arrow), shown in an Audi Q5.

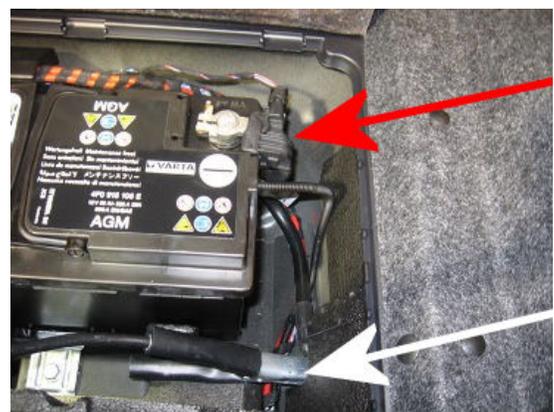


Figure 2. InCharge 940 negative cable clamped at the body attachment point (white arrow) and location of BDM, J376 (red arrow), shown in an Audi Q5.

3. Enter the DIN value listed on the battery.

MANUAL MODE:

1. Connect the InCharge 940 to the battery jumping posts in the engine compartment, or as described in the auto mode selection.
2. Enter the DIN value listed on the battery.



Tip: Please obtain the battery serial number (example: VAO 99050770MX), located on top of the battery, for battery testing or replacement and for future reference or when contacting the Technical Assistance Center (TAC).

Warranty

This TSB is informational only and not applicable to any Audi warranty.

Additional Information

All parts and service references provided in this TSB (2023282) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.