



# Technical Service Bulletin

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## 93 Electric Drive Warning "System error" displayed on instrument cluster

93 17 05 2047162/1 March 29, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2015 - 2016	All	e-tron
A3	2017	000001 - 107339	e-tron

## Condition

Customer may report "Drive system: system fault!" is displayed on the instrument cluster:

- **DTC P0AA600** Hybrid/EV Battery Voltage System Isolation Fault

This DTC is found in the Battery regulation control module, J840 (address word 008C). DTC may be static or sporadic.

## Technical Background

The wire harness for the high-voltage battery maybe pinched by the left underbody trim panel.

## Production Solution

Additional bracket for the high-voltage cables installed in production.

## Service

1. If DTC P0AA600 Hybrid/EV Battery Voltage System Isolation Fault is not found in the Battery regulation control module, J840 (address word 008C), this TSB does not apply. Perform diagnosis outside of this TSB.
2. Inspect the vehicle for any signs of damage that may affect the high-voltage system. If physical damage is found to the exterior of the vehicle, or to the under body of the vehicle, check to ensure the high-voltage system is not affected by outside influence. This TSB does not apply if the DTC or customer complaint was caused by outside influence.

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3. De-energize the high-voltage system. See repair manual for instruction and required qualifications.
4. Remove the underbody trim panel from the left side of the vehicle (Figure 1).



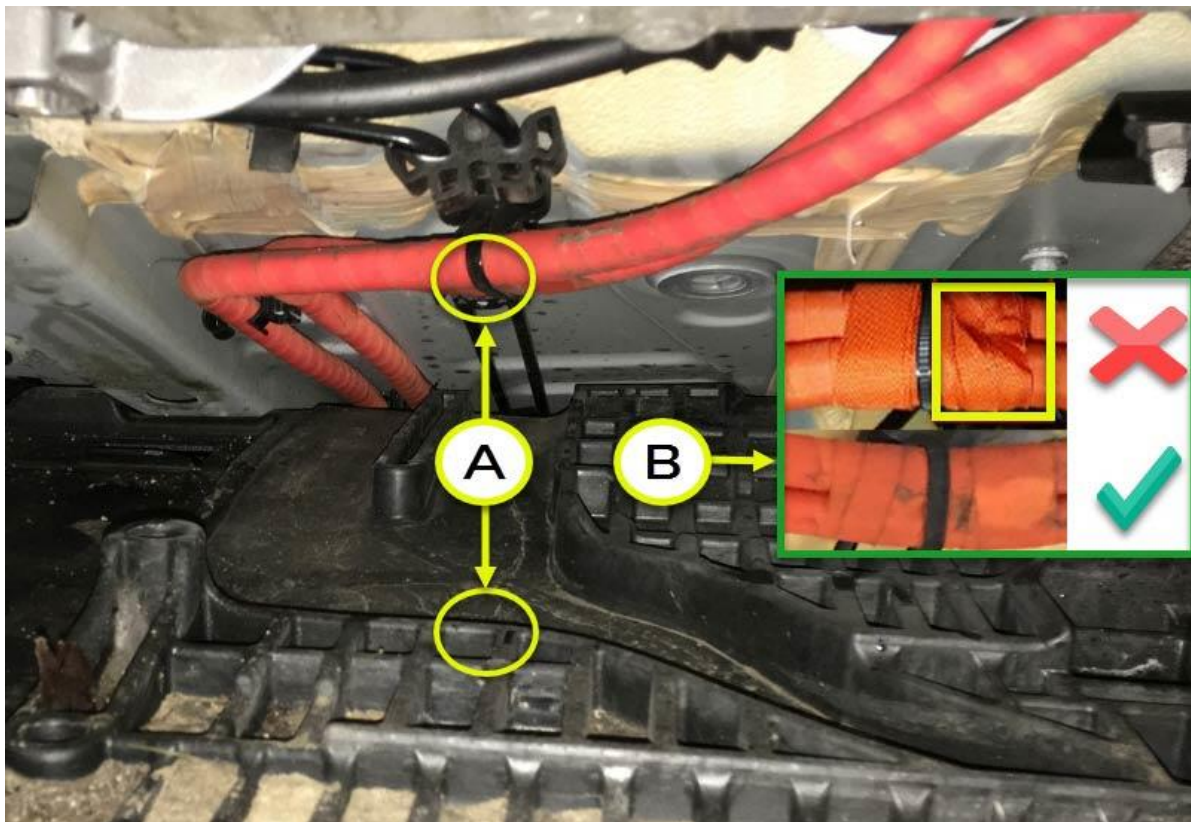
*Figure 1. Left underbody trim panel.*

5. Inspect the high-voltage cable in the area (Figure 2-A).

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- If the cable was not routed inside the underbody trim panel high-voltage cable channel, then damage can be caused to the cable by the underbody trim panel.
- If there is an indent on the high-voltage cable, proceed with the TSB, otherwise perform diagnostics of the DTC outside of this TSB.

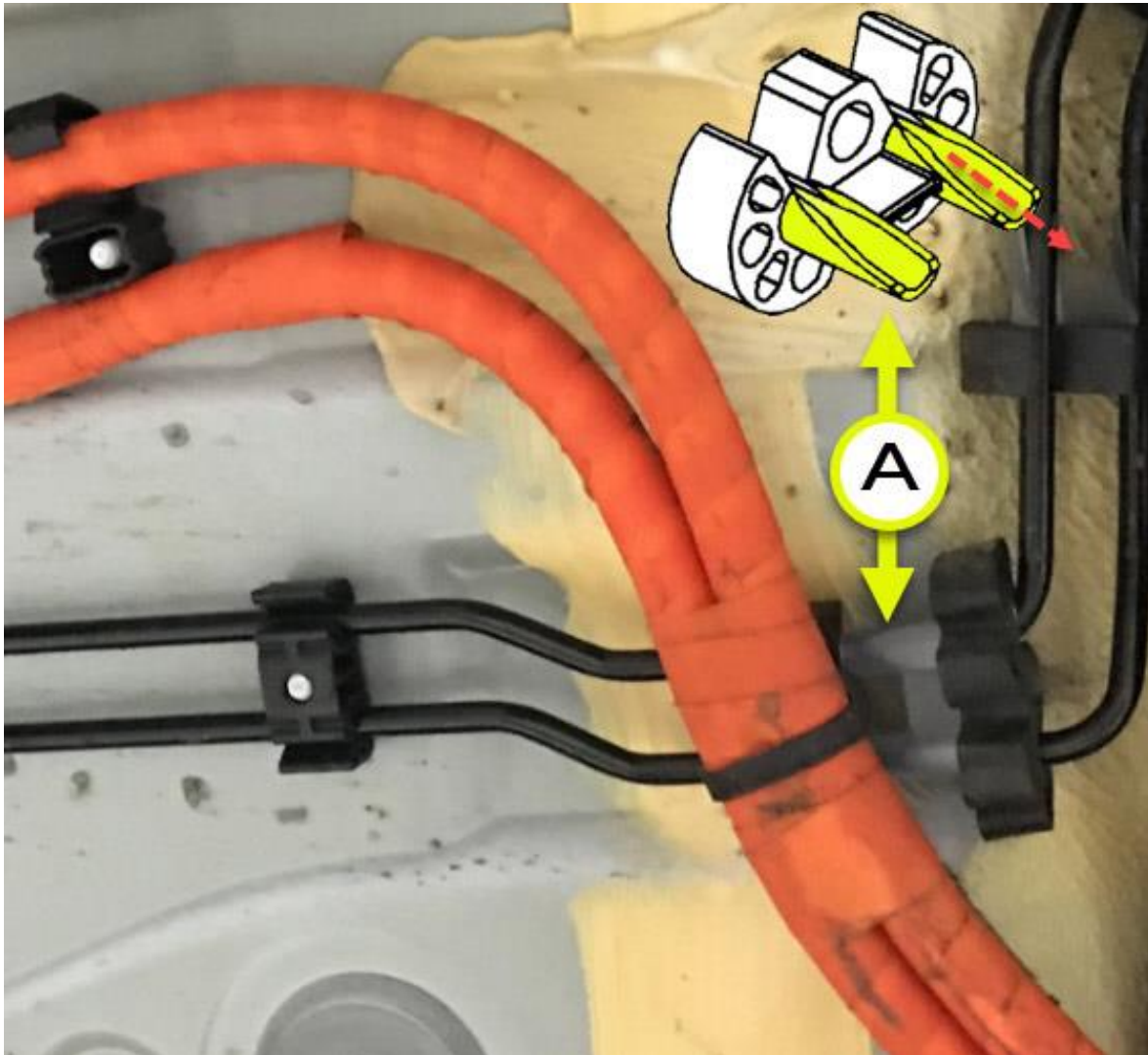


**Figure 2.** Inspect high-voltage cable, in location A, for pinch damage as shown by B.

6. If pinch damage is present, replace the high-voltage cable from the high-voltage battery to the power-electronics.
7. When replacing the high-voltage cable in step 6, install additional retainer bracket (part number 1K0-611-853):
  - Ensure the spacer tabs of the additional retainer bracket (Figure 3-A) point towards the rear of the vehicle and the spacer tab presses up to the original retainer bracket.
  - Secure the high-voltage cable to the additional retainer bracket, not the original bracket.

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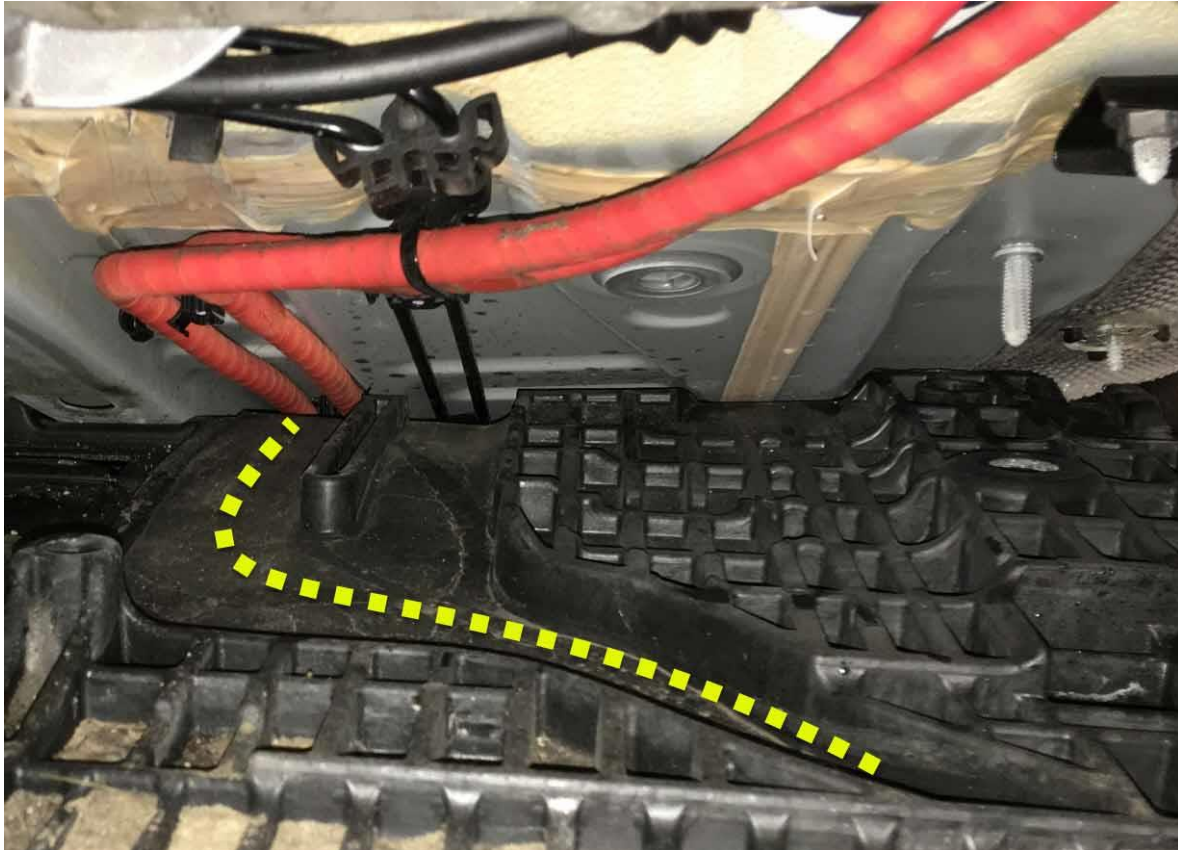


**Figure 3.** Additional retainer bracket (Part Number 1K0-611-853) installed. Retainer bracket tabs (A) must point towards rear of the vehicle, and press up to the original retainer bracket.

8. When installing the underbody trim panel, ensure that the high-voltage cable fits inside the routing channel (see dashed line in Figure 4). Pinch damage will occur if the high-voltage cable is not properly placed inside of the underbody trim panel.

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**Figure 4.** Underbody trim panel high-voltage cable channel. Routing path shown by dashed line. Pinch damage will occur if the high-voltage cable is not properly placed inside of the underbody trim panel.



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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	9330		
<b>Damage Code:</b>	0029		
<b>Labor Operations:</b>	Disable HV system Voltage	9310 0000	20 TU
	High-Voltage line remove + reinstall – High voltage battery	9330 1900	350 TU
	Modify High-Voltage line mounting	9330 4999	20 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB #2047162/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

## Required Parts and Tools

Part Number	Part Description	Quantity
1K0 611 853	Bracket	01
See parts catalogue	Repair kit seal with shock-proof protection	01



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See parts catalogue	High voltage cable set for hybrid battery	01
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## Additional Information

All parts and service references provided in this TSB (2047162) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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