



Technical Service Bulletin

94 Various warnings displayed in cluster, DTCs U121C00, U011000, U003600, U002800, U002900, U140500, P0A2F00, P0A1B00

94 21 37 2063075/1 April 30, 2021.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5	2018 - 2020	All	PHEV
Q5	2021	000001 - 079893	PHEV

Condition

Customer states:

- Various warning lamps come on in the instrument cluster.

And/or

- The vehicle cannot be driven.

Workshop findings:

Various DTCs related to the power electronics, J841 (address word 0051) are stored in various control modules. A few examples are:

- **DTC U003600** (Vehicle Communication Bus A (-) shorted to Bus A (+)).
- **DTC U002800** (Vehicle Communication Bus A).
- **DTC U002900** (Vehicle Communication Bus A Performance).
- **DTC U140500** (Terminal 15 Implausible signal).
- **DTC P0A2F00** (Drive Motor "A" Over Temperature).
- **DTC P0A1B00** (Drive motor "A" Control Module).
- **DTC U121C00** (Drive Motor "A" No Communication).
- **DTC U011000** (Lost Communication With Drive Motor Control Module).

Technical Background

The 12V wiring harness for the power electronics, J841 (address word 0051) can chafe against the underbody trim.

Production Solution

Harness routing improved.



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Service

1. Check the wiring harness for the power electronics, J841 (address word 0051) for any chafed sections (Figure 1).



Figure 1. Chafed 12volt harness section.

2. **A.** If there is no damage found, this TSB does not apply please continue with normal diagnosis outside of this bulletin.
B. If damaged wires are found, please document the damage following TSB 2061976: *97 Wire harness repairs and documentation.*
3. Repair the wires with VAS 1978B. If it is necessary to replace the contacts in the connector as part of the repair work, please use gold-plated repair wires 000 979 038 EA.



Tip:

Use the following special tools to remove the pins from the connector:

- Primary locking device: VAS 1978/35-31.
- Secondary locking device: VAS 1978/17.

After the wires are repaired, please perform the additional steps:



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4. Expose and release retaining clip (see red circle in Figure 2).

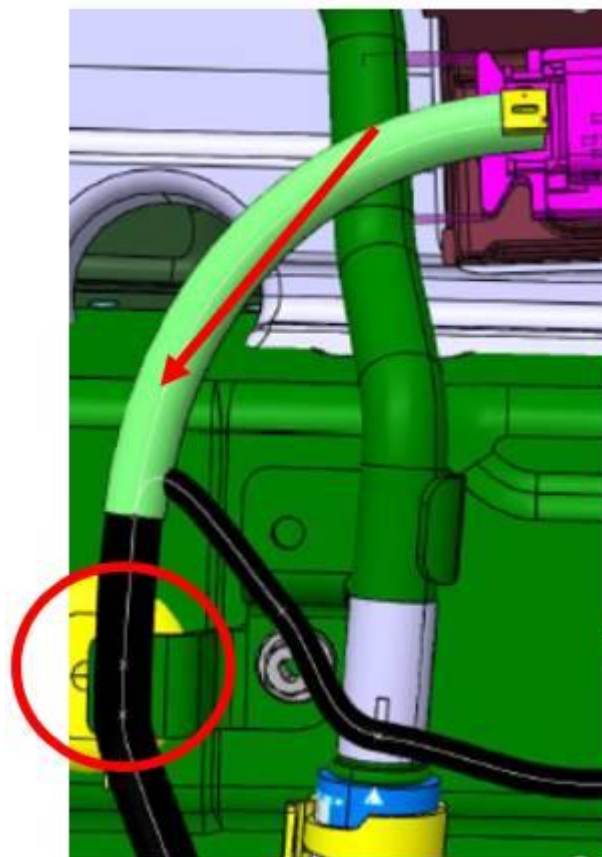


Figure 2. Harness modification diagram.

5. Pull wiring harness 5 mm (see red arrow in Figure 2) away from power electronics.
6. Secure clip again with textile tape N 107 290 02. Clip must be replaced if it is damaged during removal (part number 6Q0 971 848 P).
7. Wrap textile tape N 107 290 02 around entire wiring harness as far as connector.



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8. Secure cable tie N 106 232 01 around wiring harness and connector so that wiring harness is pulled upward (see red circle in Figure 3).

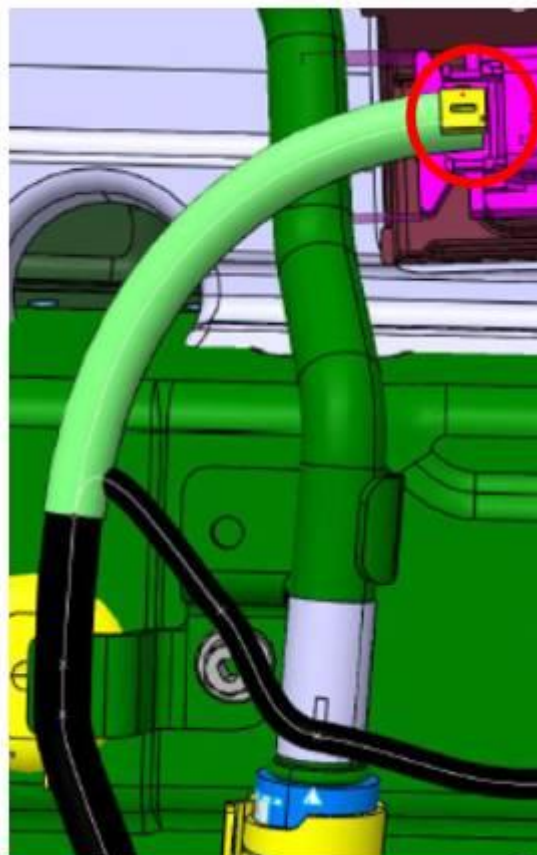


Figure 3. Secure the cable tie.

9. Ensure the wire does not make contact with any components including the undershield after the repair work is performed.

Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.
Service Number:	9725
Damage Code:	0025



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Labor Operations:	Remove and install rear cover	5194 1903	See SRT with associated operations
	Checking wiring harness	9709 0199	10 TU
	Repair wiring harness (depending on number of damaged wires)	9709 41XX	See SRT with associated operations
	Modify wiring harness	9709 4999	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 50 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2063075/1		

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

The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
N 10729002	Textile tape	.2
N 10623201	Cable tie	01
000979940	Crimp connector	As needed
6Q0971848P	Clip	01 (if needed)
000979038EA	Repair wire	As needed



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Tool Number	Tool Description
VAS 1978B	Wiring harness repair set
VAS 1978/35-31	Primary locking device (Included in VAS1978/35-20 Wiring Repair Set)
VAS 1978/17	Secondary locking device

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2061976, *97 Wire harness repairs and documentation*.

All parts and service references provided in this TSB (2063075) are subject to change and/or removal.

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