



Technical Service Bulletin

93 Various warning messages about drive in the cluster, DTC U029200 stored in the ECM or the electric drive module

93 19 13 2055804/1 August 19, 2019.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Audi e-tron quattro	2019	All	Not Applicable

Condition

Customer states:

- Vehicle has no drive readiness or restricted drive position selection
- Various warning messages are displayed on the instrument cluster.

Workshop findings:

The following DTC may be stored in the electrical drive control module, J841 (address word 0051) and/or engine control module 1 (ECM), J623 (address word 0001):

- **DTC U029200** (Lost Communication with Drive Motor Control Module "B").



Note:

The fuses SJ7 and/or SD5 may be found open.

Technical Background

The low voltage wiring harness for the rear electric drive motor may be damaged due to incorrect routing.

Production Solution

Optimized cable routing in production.

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Service

1. Remove the lower under shield from the rear of the vehicle and gain access to the rear electric drive harness for inspection (Figure 1).

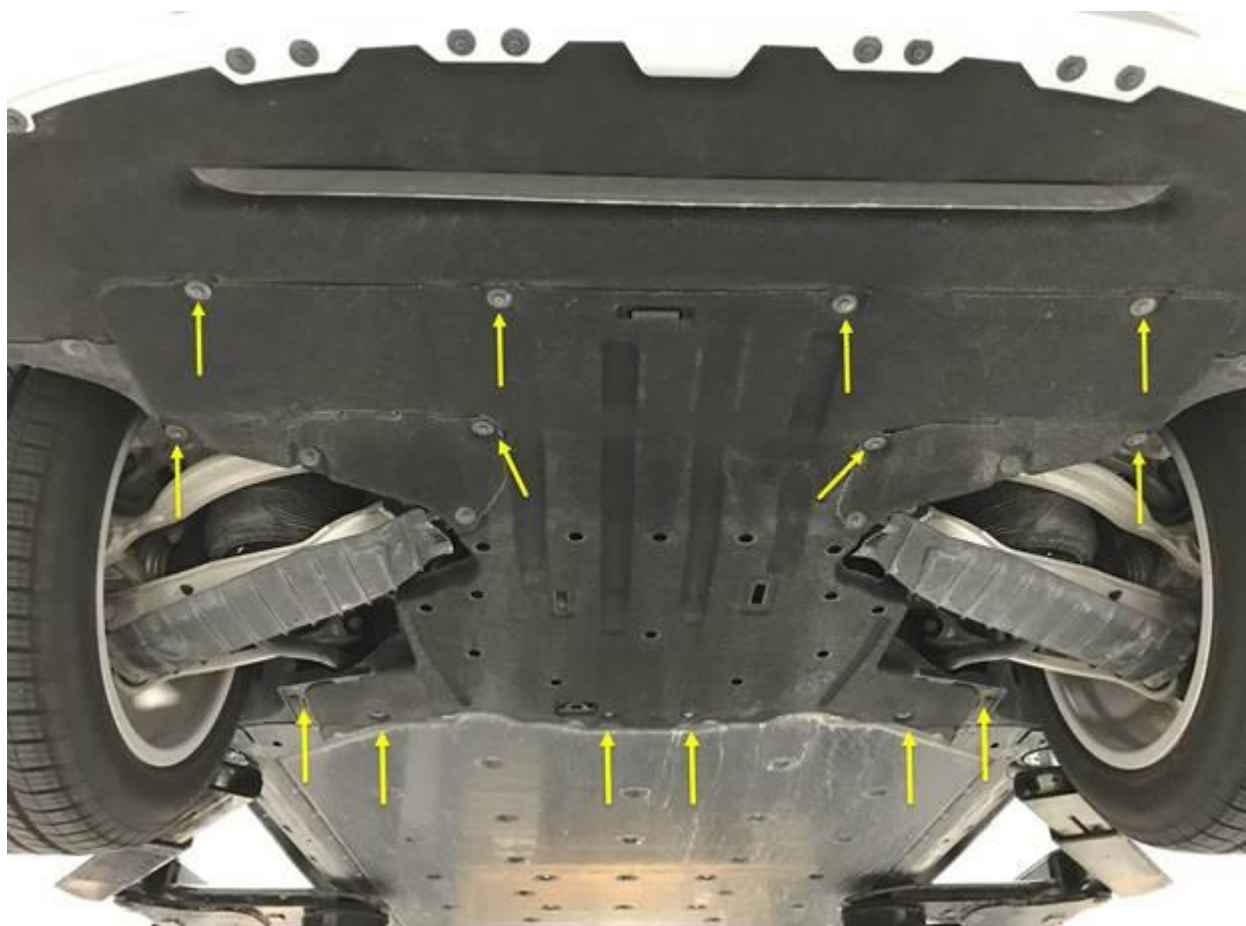


Figure 1. Remove the lower shield.



Tip: It is not necessary to remove the two forward most screws on the left and right access panels.

2. Inspect the harness for chaffing in the location indicated at the yellow circle. Pay close attention to the areas indicated in Figures 3 and 4.



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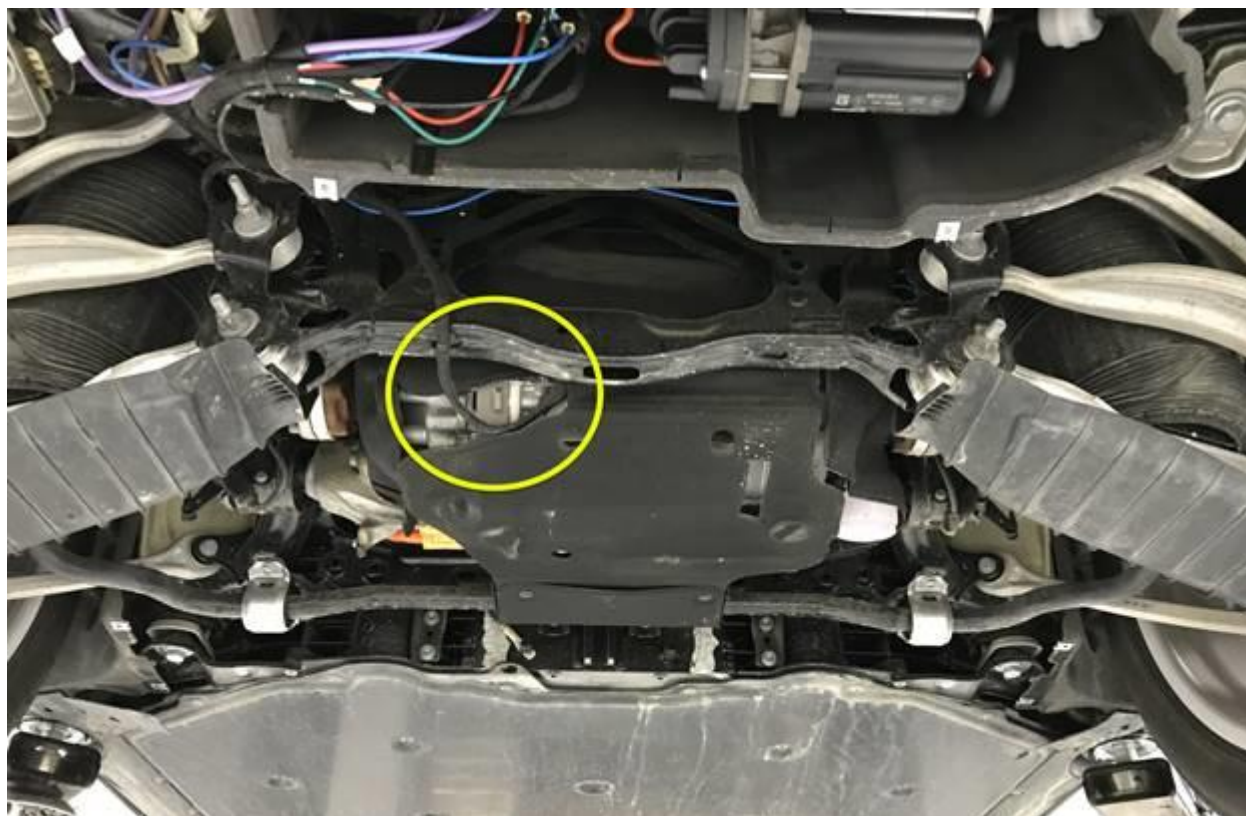


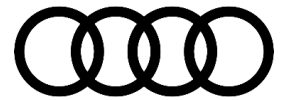
Figure 2. General area of inspection.



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Figure 3. *Inspect for potential chaffing between the transmission lugs and the harness.*



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Figure 4. Harness may be routed under the lugs (Figure 3) or over the lug.

3. If damage is found repair the affected cables as needed with the VAS1978B.



Note:

If the KL15/30 wire is damaged, check the applicable fuse SJ7 (KL30), SD5 (KL15), replace the fuse if needed.

If no damage is found, continue with TSB.

4. Lift the harness away from the lugs and pull the harness towards the rear of the vehicle to gain sufficient clearance to avoid contact with the transmission/drive motor casing (Figures 5-7). The harness is robust enough to maintain its position.

Additional clips or removal of the original mounting clips is not needed to re-route the cable.



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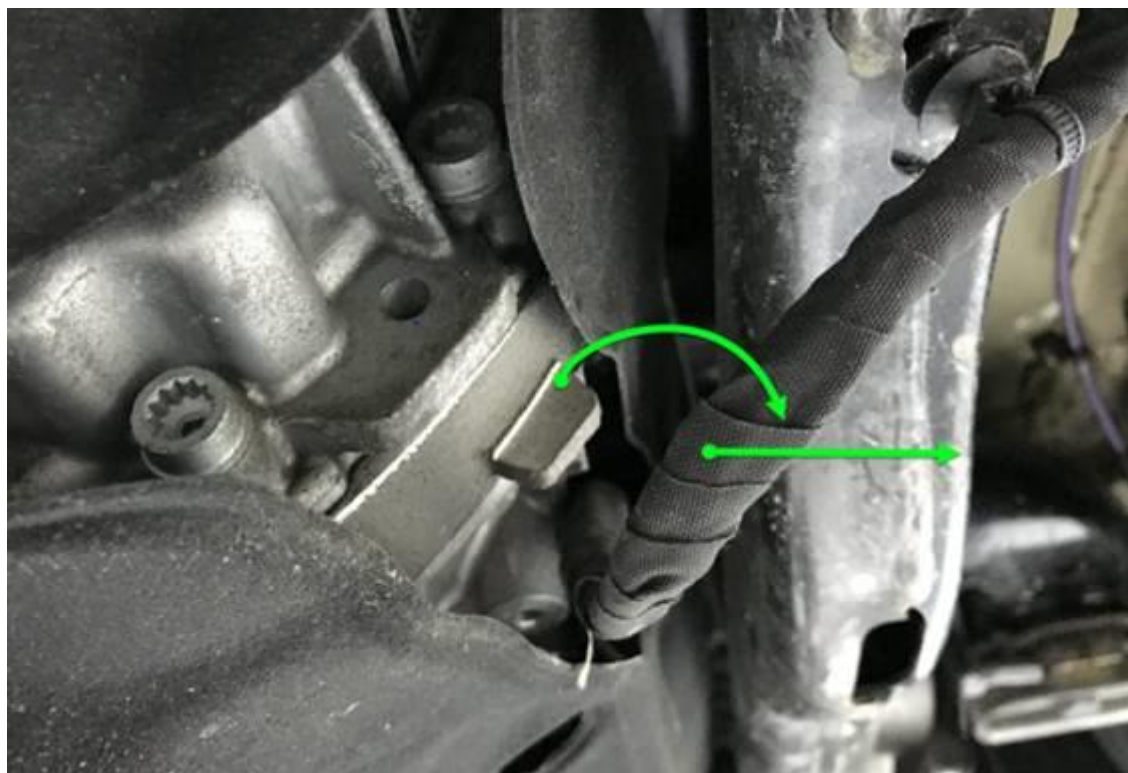


Figure 5. Re-routing of the harness.



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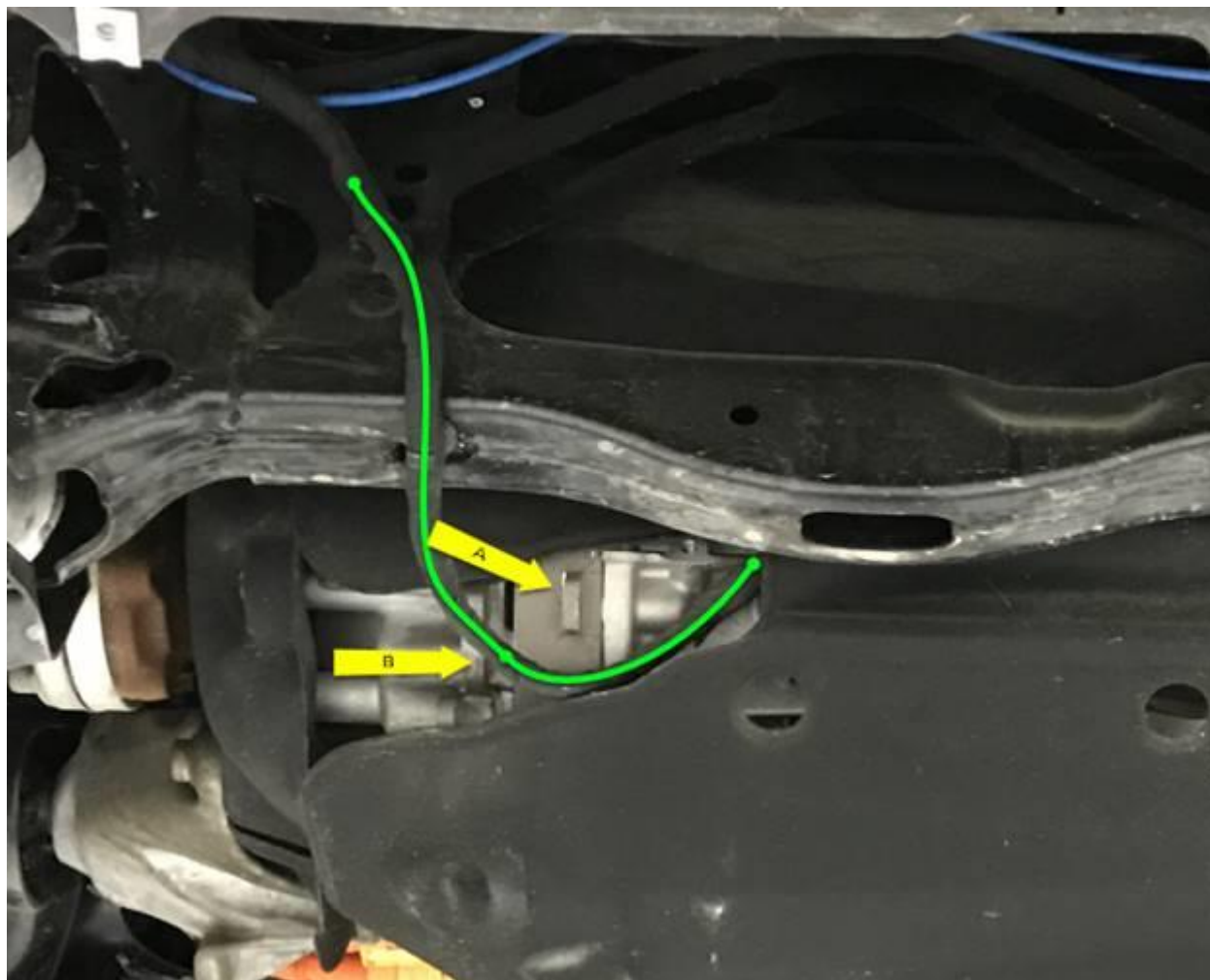


Figure 6. Desired harness routing, ensure the harness has sufficient clearance near the lugs (A and B).



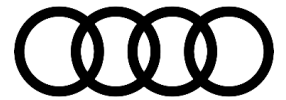
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Figure 7. Final harness routing.

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		
Labor Operations:	Remove and install rear cover plate	5194 1900	See SRT
	Check wiring harness and fuse	9709 0199	10 TU



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Diagnostic Time:	Repair wiring harness	9709 41XX	See SRT
	Modify wiring harness (adjust routing)	9709 4999	10 TU
	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 #2055804/1		

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

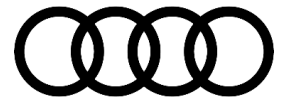
Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
N 10729301	Adhesive Tape	As needed

Tool Number	Tool Description
VAS1978B	Wiring Harness Repair Set
VAS 61XX	ODIS Service with VAS tester

Additional Information

All parts and service references provided in this TSB (2055804) are subject to change and/or removal.

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