

Technical Service Bulletin



97 Rear wiper motor inoperative

97 15 46 2040221/1 April 2, 2015.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5	2010 - 2015	All	Not Applicable

Condition

The rear wiper is not functioning or only functions intermittently.

Technical Background

Corrosion at the B538 splice of the rear wiper motor control circuit can cause an excessive voltage drop, resulting in an out of range control signal

Production Solution

Not applicable.

Service

1. To access the rear wiper motor, remove the lower tailgate trim. See the illustrations at right for the locations of the screws and clips (Figure 1 and Figure 2).



Figure 1. Screw location on lower tailgate trim.

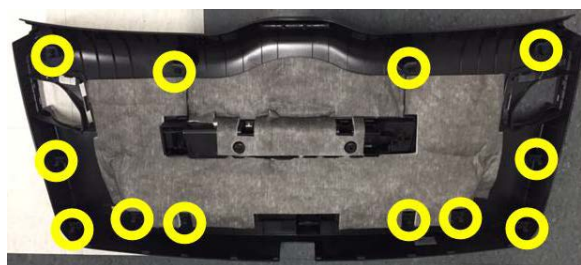


Figure 2. Clip location on lower tailgate trim.

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2. With key on, check voltage at pin 1 and pin 4 of the rear wiper motor connector (Figure 3 and Figure 4).

The voltage reading should show battery voltage (approximately 12.4V). If battery voltage is not found, continue diagnosis outside this TSB.



Figure 3. Rear wiper motor connector.



Figure 4. Check voltage at pin 1 and pin 4.

3. Move the windshield wiper lever forward to turn on the rear wiper function (Figure 5).

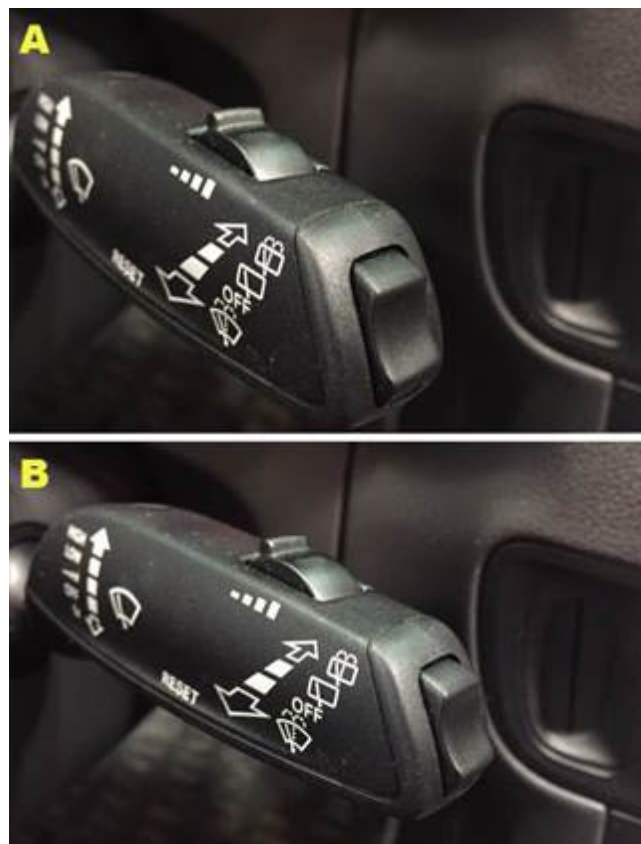


Figure 5. Rear wiper in “off” position (A) and in “on” position (B).

4. Compare the voltage readings between pin 4 and pin 3 with the voltage readings between pin 4 and pin 2 (Figure 6).
 - If the voltage reading between pin 4 and pin 3 is more than .5V DC when compared to pin 4 and pin 2, continue to the next step.
 - If the voltage readings are identical, continue diagnosis outside of this bulletin.

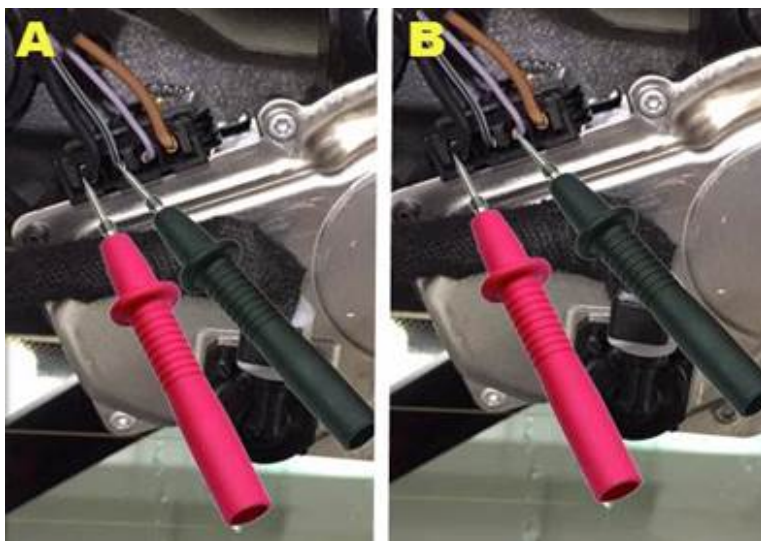


Figure 6. Compare voltage readings between pin 4 and pin 3 (A) and between pin 4 and pin 2 (B).

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Tip: Jumping pin 1 and pin 2 will actuate the motor. If the motor does not run with ground applied on pin 2, continue diagnosis outside of this bulletin.

5. To access the wiring harness, remove the driver's side kick panel (Figure 7).



Figure 7. Driver's side kick panel.

6. Open the wiring harness (Figure 8) to access splice B538 (Figure 9).



Figure 8. Open the wiring harness.

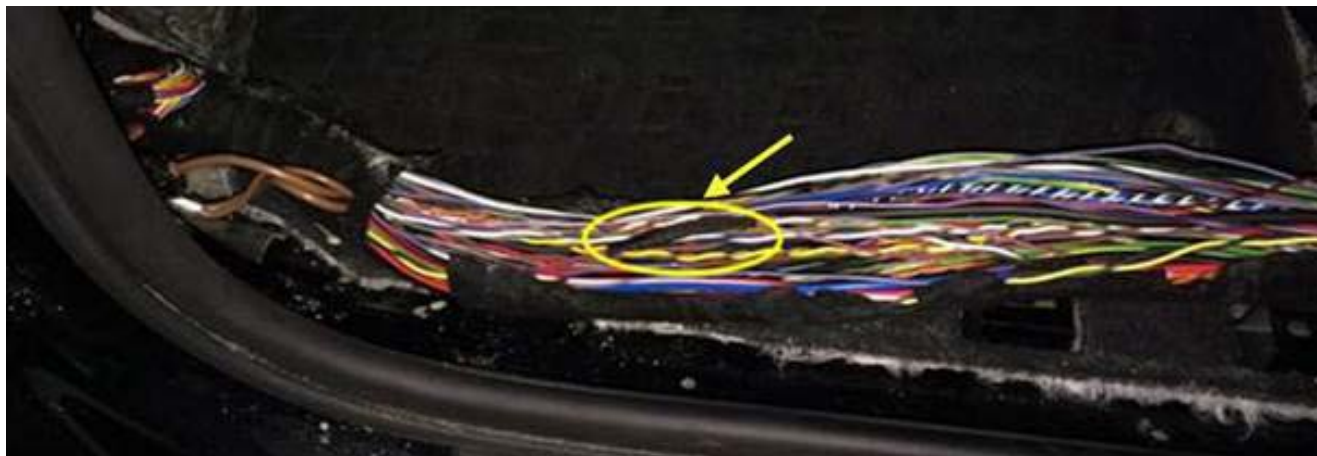


Figure 9. Access splice B538.

7. Open the splice to check for corroded wires (Figure 10).

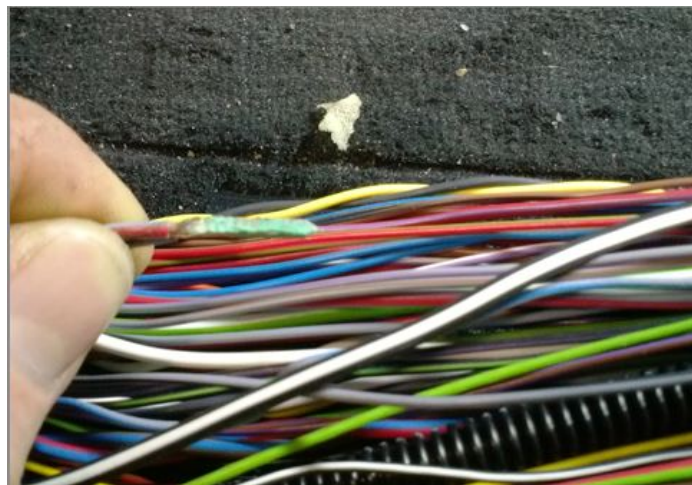


Figure 10. Example of corroded wire.

8. Use wiring harness repair kit VAS 1978B to repair the splice, then reassemble the wiring harness.



Tip: Utilize the proper connectors from the repair kit as the heat shrink will seal out future corrosion. The adhesive-lined inner layer will keep moisture out.

9. Reinstall the driver's side kick panel.
10. Verify that the rear wiper is functioning correctly.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9234		
Damage Code:	0033		
Labor Operations:	Tailgate trim panel remove + reinstall	7092 1900	40 TU
	Foot/heel support remove + reinstall	7035 1900	50 TU
	Electrical check	9234 9999	20 TU
	Central wiring harness repair	9709 4152	40 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic protocol (Max 60 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2040221/1		

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

Additional Information

All parts and service references provided in this TSB (2040221) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.