



Technical Service Bulletin

47 Hard brake pedal while attempting to start the vehicle

47 22 16 2055646/4 August 11, 2022. Supersedes Technical Service Bulletin Group 47 number 22-12 dated June 9, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
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Q7	2017 – 2023	All	Not Applicable
A4 allroad, and A4	2017 – 2021		
A4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, Q5, and SQ5	2018 – 2021		
RS 5	2018 – 2019 2021		
Q8	2019 – 2023		
A6, and A7	2019 – 2021		
A6 allroad, S6, and S7	2020 – 2021		
RS 6 Avant, A7 e quattro, RS 7, Q5 e quattro, and SQ5 Sportback	2021		

Condition

REVISION HISTORY



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Revision	Date	Purpose
4	-	Revised header (Added Model Years) Revised Service (Updated procedure)
3	06/09/2022	Revised <i>Warranty</i> (Updated table)
2	02/18/2021	Revised title Revised header (Added models) Revised <i>Service</i> (Added Elsa location) Revised <i>Additional Information</i> (Added reference)

Customer states:

After a short stationary period, the vehicle sporadically does not start and there is a hard brake pedal concern.

Technical Background

Due to dirt particles in the non-return valve in the vacuum hose for the brake servo, the vacuum in the brake servo cannot be held on a parked vehicle.

When starting the vehicle the usual brake force is not enough to get the start authorization of the brake light switch.

Normally, a vacuum of 600 to 950 mbar is reached.

Depending on the parking position (slope) or the user behavior the vehicle is parked with a small vacuum within 12 hours the vacuum may drop by up to 400 mbar.

Production Solution



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Not applicable.

Service

Proceed as follows:

- Check the following components for possible damages: vacuum hose; sensor G608; connectors, seals, valves.
- Check for leaks according to *Elsa >> Brake System >> 47 Hydraulic Components >> Vacuum System*.
- Check for small cracks in the vacuum hose or in the connection points between check valves.
- If damages/cracks/leaks are found, take a picture of the damage/leak and upload it to DOC-IT.
- Replace the necessary components according to: Elsa Repair Manual, *Elsa >> Brake System >> 47 Hydraulic Components >> Vacuum System*.

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:	4777		
Damage Code:	0010		
Labor Operations:	Vacuum hose remove + reinstall	4777 1950	See SRT with associated operations



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	Brace remove + reinstall (Only if installed in the vehicle)	4086 1999	50 TU
	Cowl panel trim remove + reinstall	6644 19XX	See SRT with associated operations
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2055646/4		

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	Vacuum hose with non-return valve and pressure sensor	01
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information



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More information on this system can be found in the following resources:

- Elsa: Brake System >> 47 Hydraulic Components >> Vacuum System.

All parts and service references provided in this TSB (2055646) are subject to change and/or removal.

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