



Technical Service Bulletin

90 Audi pre sense warning, warning jolt, and/or brake engagement (Q3)

90 24 42 2076009/1 November 15, 2024.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q3	2019 – 2025	All	Without Audi Pre Sense

Condition

Customer states:

Audi pre sense front intervened for no reason:

- Audi pre sense front warning.

and/or

- Audi pre sense front warning jolt.

and/or

- Audi pre sense front emergency braking.

The customer saw the Audi pre sense symbol in the instrument cluster.

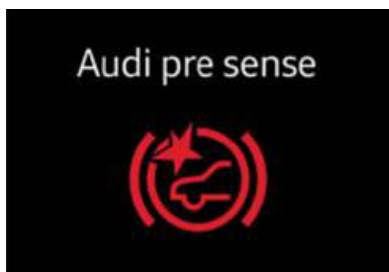


Figure 1: Audi pre sense instrument cluster message

Workshop findings:

The complaint cannot be reproduced during a road test.



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Technical Background 1

Observe the safety instructions and the limits of the supporting systems, sensors, and cameras (refer to owner's literature and self-study program).

Audi Q3: self-study program 673

Production Solution

Not applicable.

Service

Ask the customer when the Audi pre sense front intervened.

Perform the **Audi pre sense test program**. The test program can be found under:

Test plan > Select self test ... > Body > Electrical system > 01 - On Board Diagnostic capable systems > 0013 - Control Module for Adaptive Cruise Control -J428- > 0013 - Technical Service Bulletin (TSB) > Audi pre sense

The test program asks you to enter the date of the customer complaint.

The test program checks whether Audi pre sense front interventions took place in the period between three days before and three days after the date entered.

At the end the program provides a list of the Audi pre sense front interventions during this period.

Depending on the result of the test program, proceed as follows:

Result of the ODIS test program	Explanation	Further procedure:
"Audi pre sense":		
Audi pre sense warning	If the vehicle approaches a vehicle travelling in front or a stationary vehicle in a critical	Explain the operation and system limits of Audi pre sense front to the customer.



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	<p>situation, the instrument cluster can provide the driver with visual and acoustic warnings within certain limits.</p>	<p>Use the owner's literature and the self-study programs.</p> <p>Note the Audi pre sense adjustment options (early/medium/late/off) in the MMI. These influence the timing of the warning.</p>
Audi pre sense warning jolt	<p>If the driver does not respond to the warnings, the ABS control unit J104 issues an urgent warning with a jolt. The warning jolt is a very short, clearly noticeable application of the brakes that does not slow down the vehicle. It is intended to bring the driver's attention back to the traffic situation and to signal that an immediate reaction is necessary to prevent a collision.</p>	<p>Explain the operation and system limits of Audi pre sense front to the customer.</p> <p>Use the owner's literature and the self-study programs.</p> <p>Note the Audi pre sense adjustment options (early/medium/late/off) in the MMI. These influence the timing of the warning jolt.</p>
Driver-triggered emergency braking	<p>When the driver applies the brakes, Audi pre sense front calculates whether the driver is braking sufficiently to prevent a collision. If this is not the case, the necessary braking performance is increased according to the situation up to the strength required to bring the vehicle to a standstill.</p>	<p>Explain to the customer that he/she operated the brakes and Audi pre sense front provided additional braking assistance.</p>



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Audi pre sense braking	If the driver also fails to react to the warning jolt or only releases the accelerator pedal, the ABS control unit J104 brakes the vehicle independently. Depending on the vehicle speed, the braking performance can be gradually increased up to a full deceleration (emergency stop).	If the customer feels that the vehicle braked for no reason and you require technical support, please contact technical assistance.
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Please note that only the last two events in each category are stored.

The **Audi pre sense test program** must only be performed once per complaint. As an exception to this, if the customer specifies several times when the complaint occurred, the **Audi pre sense test program** may be performed a maximum of three times for the complaint.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9163		
Damage Code:	0039		
Labor Operations:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 30 TUs)
	Charge Battery	2706 8950	See SRT with associated operations
Claim Comment:	As per TSB 2076009/1		



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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.

Additional Information

All part and service references provided in this TSB (**2076009**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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