



Technical Service Bulletin

37 Brief interruption in tractive power flow during acceleration under full load/kickdown from constant speed

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Model(s)	Year	VIN Range	Vehicle-Specific Equipment
TT RS	2018 – 2022	All	Not Applicable
RS 3	2018 – 2020 2022		

Condition

Customer statement:

- Brief interruption in tractive power flow during acceleration under full load/kickdown from constant speed.

Workshop findings:

- The customer complaint can be reproduced.

Technical Background 1

During acceleration under full load in transmission position S with the accelerator pedal depressed 100% (accelerator pedal depressed 55% or more from model year 2019 onwards) or when accelerating with the kickdown function in transmission position D, a particularly dynamic downshift method is used when multiple downshifts are performed (e.g., from 7th to 5th gear). The gear changes take place with open clutches without the selection of an intermediate gear. The engine speed is adjusted to the specified value of the target gear and maintained until the gear change has been completed. As a result, multiple downshifts can be performed up to one second faster. The customer may perceive this behavior as a brief interruption in tractive power flow.



The accelerator pedal values in % in transmission position S which result in multiple downshifts depend on the model (e.g., TT RS, RS 3, ...) and model year. Therefore, only identical models (same model year) with identical engine and gearbox software versions can be compared and used as a reference.

Production Solution

The particularly dynamic method for multiple downshifts is performed with the following engine and gearbox software versions:

TT RS:

Engine software version: HW part number: 8S0907404A, SW version: 0006.

Gearbox software version: HW part number: 0DL300012E, SW version: 2011.



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RS 3:

From model year 2017 onwards,



The accelerator pedal values in % in transmission position S which result in multiple downshifts depend on the model (e.g., TT RS, RS 3, ...) and model year. Therefore, only identical models (same model year) with identical engine and gearbox software versions can be compared and used as a reference.

Service

The behavior described above is normal and does not constitute a fault which is covered by warranty. Explain the background to the customer.

Warranty

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

Additional Information

All part and service references provided in this TSB (**2074767**) 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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