



# Technical Service Bulletin

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## 01 MIL on, DTC P030500 stored in ECM

01 19 03 2045909/6 February 12, 2019. Supersedes Technical Service Bulletin Group 01 number 17-34 dated September 1, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 7, RS 7 performance, and S8 +	2016 - 2017	All	Not Applicable

## Condition

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised title Revised <i>Service</i> (Added Step 3-6 and updated SVM table) Revised <i>Warranty</i> (Added Labor Operations) Revised <i>Required Parts and Tools</i> (Added table)
5	09/01/2017	Revised <i>Service</i> (Updated SVM table)
4	08/18/2017	Revised header data (Corrected display)

### Customer statement:

- MIL on or flashing.

### Workshop findings:

- Only DTC(s) regarding misfiring on cylinder 5 (**DTC P030500**) are logged in the engine control module (ECM), J623 (address word 0001).

The following values are logged in the specific ambient conditions for **DTC P030500**:

- Engine speed between 5500 and 5900 rpm.
- Standard load value over 70%.
- Engine torque over 750 Nm.

## Technical Background

OBD diagnostics too sensitive at high engine load conditions.



# Technical Service Bulletin

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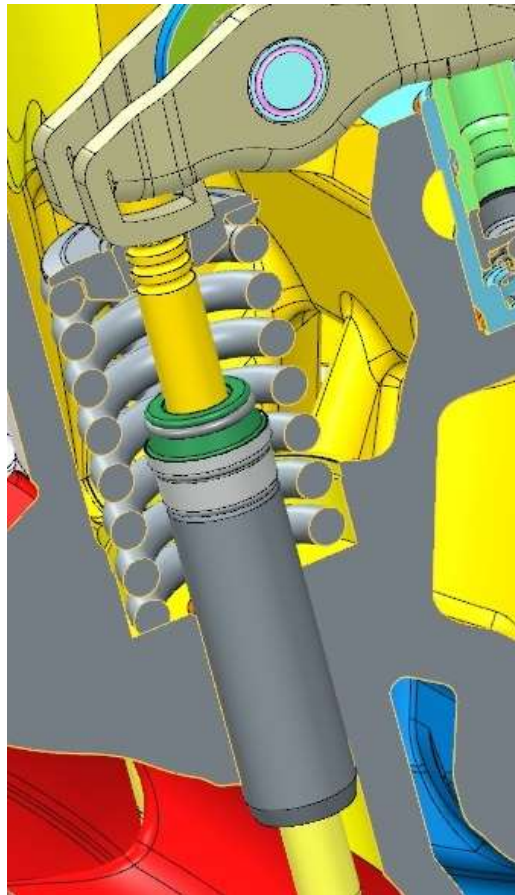
## Production Solution

New software in the engine control module (ECM), J623 (address word 0001) addressed the condition.

## Service

### SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the ECM, J623 (address word 0001) using the SVM action code as listed in the table below if necessary. No further repairs are necessary after updating the ECM unless the vehicles returns with the same DTC P030500 with the specific ambient conditions listed above, see Step 3-5.
3. If ECM software is up to date, install spring plates under the exhaust valve springs on Bank 2 (cyl 5-8).
4. Before installation on spring plates (Figure 1).



*Figure 1. Before installation.*



# Technical Service Bulletin

5. After installation of spring plates (Figure 2).

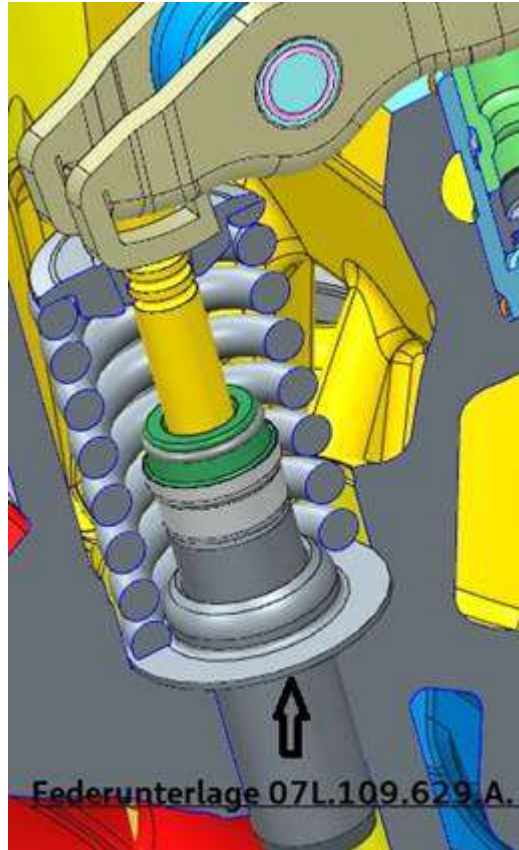


Figure 2. After the part has been installed.

Model	Engine Code	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
RS 7	CWUB	4G0906560D	0001	4G0906560G	0002	01A225
RS 7	CWUB	4G0906560G	0001	4G0906560G	0002	01A225
RS 7 performance	CWUC	4G0906560G	0001	4G0906560G	0002	01A225
S8+	DDTA	4H0907557G	0001	4H0907557G	0004	01A225
S8+	DDTA	4H0907557H	0001	4H0907557H	0002	01A225



# Technical Service Bulletin

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• 1E1 up to 8 Years/80,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	2470		
<b>Damage Code:</b>	0039		
<b>Labor Operations:</b>	Update ECM software level	2470 2599	Max 50 TU
	Check ECM software level, no update needed	2470 9999	10 TU
	Camshaft remove + reinstall Bank 2 (cyl 5-8)	1505 1971	See SRT
	Air intake distributor removed + reinstalled	2446 1923	See SRT
	Fuel system pressure decrease	2003 0050	See SRT
	Refrigerant drained + filled	8703 1750	See SRT
	Radar sensor adjusted (if applicable)	9163 1650	See SRT
	Camera for night visions sys adjusted (if applicable)	9080 1550	See SRT
	Preparation Driver Assist Calibration (if applicable)	9092 0050	See SRT
	Vehicle front + rear alignment check (if applicable)	4495 0100	See SRT
	Remove + reinstall Bank 2 (cyl 5-8) exhaust valve springs and install spring plates including valve guide seals, if necessary.	1565 2099	120 TU
	<b>Diagnostic Time:</b>	GFF – Checking and clearing fault codes included in existing labor operations	No allowance
Road test prior to service procedure		No allowance	0 TU
Road test after service procedure		No allowance	0 TU



# Technical Service Bulletin

<b>Claim Comment:</b>	As per TSB #2045909/6
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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.

## 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
07L109629A	Valve spring plates	08
Per ETKA	Valve stem seals	08

Tool Number	Tool Description
Not Applicable	Approved battery charger

## Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All parts and service references provided in this TSB (2045909) are subject to change and/or removal.

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