



# Technical Service Bulletin

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**01 MIL on (DTCs P200400, P200500, P200600 and/or P200700) stored in ECM**

01 17 26 2048411/1 July 19, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 7	2014 - 2017	All	4.0 liter engine
S8 +, RS 6+, and RS 7+	2016 - 2017	All	4.0 liter engine
A8, S6, S7, S8, and RS 6	2013 - 2017	All	4.0 liter engine

## Condition

### Customer statement:

- MIL on
- Engine maybe limited to 4,000rpm

### Workshop findings:

The following DTC's about the intake manifold flap adjustment are logged individually or in combination:

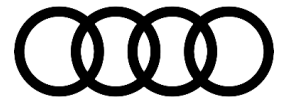
- **DTC P2004** (intake manifold flap for air flow control bank 1 stuck open)
- **DTC P2005** (intake manifold flap for air flow control bank 2 stuck open)
- **DTC P2006** (intake manifold flap for air flow control bank 1 stuck closed)
- **DTC P2007** (intake manifold flap for air flow control bank 2 stuck closed)

## Technical Background

Moisture ingress into potentiometer.

## Production Solution

Sealant on micro-encapsulated screw.



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## Service

If the DTC is logged due to a fault of the vacuum regulator (bank 1 or 2) or the potentiometer for the intake manifold flap adjustment (bank 1 or 2, G336 or G512) and the vacuum supply of the intake manifold flap adjustment is not the cause, fit the repair kit 079198135 on both banks. The repair kit consists of one vacuum regulator, one potentiometer, and one micro-encapsulated bolt.

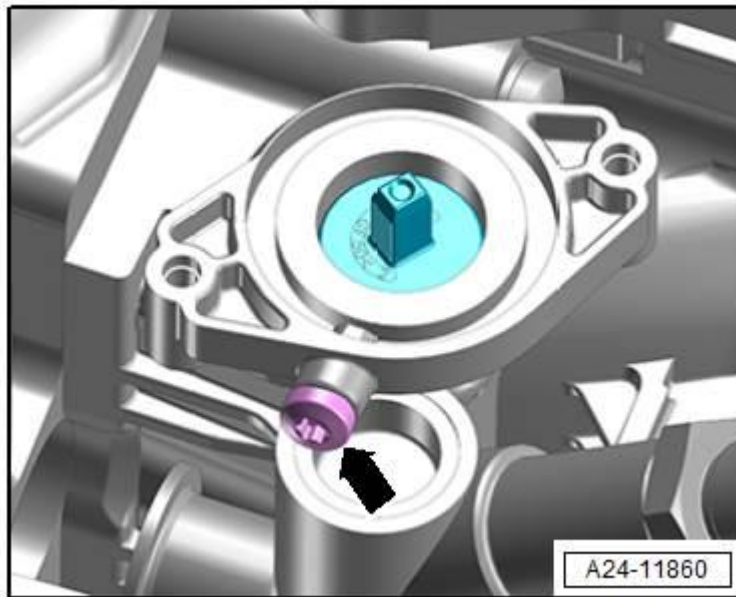
When fitting the repair kits, proceed according to the Repair Manual, *Engine >> 24 Multiport Fuel Injection >> Vacuum System >> Intake Flap Vacuum Actuator, Removing and Installing >> Intake Flap Vacuum Actuator, Removing and Installing, cylinder bank 1 (right) and Engine >> 24 Multiport Fuel Injection >> Vacuum System >> Intake Flap Vacuum Actuator, Removing and Installing >> Intake Flap Vacuum Actuator, Removing and installing, cylinder bank 2 (left).*

Also proceed according to the Repair Manual, *Engine >> 24 Multiport Fuel Injection >> Intake Manifold >> Intake Manifold Runner Position Sensor G336, Removing and Installing and Engine >> 24 Multiport Fuel Injection >> Intake Manifold >> Intake Manifold Runner Position Sensor 2 G512, Removing and Installing.*

When replacing the potentiometer, the micro-encapsulated bolt of the potentiometer (Figure 1) must be replaced. The micro-encapsulated bolt is included in repair kit 079198135.



**Tip:** The engine does not have to be removed.



**Figure 1.** Micro-encapsulated bolt (A24-11860 of repair manual).



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## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	2465		
<b>Damage Code:</b>	0050		
<b>Labor Operations:</b>	<b>S6 and S7</b>		
	Air intake distributor remove + reinstall	2446 1921	600 TU
	Install repair kits both Banks 1&2	2465 2099	980 TU
	Additional labor for adjustment of ACC, top view camera, and night vision, if necessary based on vehicle equipment	See Elsa	See Elsa
	<b>RS 7</b>		
	Air intake distributor remove + reinstall	2446 1923	690 TU
	Install repair kits both Banks 1&2	2465 2099	920 TU
	Additional labor for adjustment of ACC, top view camera, and night vision, if necessary based on vehicle equipment	See Elsa	See Elsa
	<b>A8 and S8</b>		
	Air intake distributor remove + reinstall	2446 1921	470 TU
	Install repair kits both Banks 1&2	2465 2099	600 TU
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 30 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
<b>Claim Comment:</b>	As per TSB# 2048411/1		



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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.

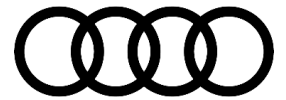
## Required Parts and Tools

Part Number	Part Description	Quantity
079198135	Repair Kit (vacuum regulator, one potentiometer, screws)	2
079129717J	Gasket intercooler left	1
079129717K	Gasket intercooler right	1
079145818	Gasket throttle body	1
079145417B	Gasket recirculation valves	2
WHT 001011	O-ring	1
N 91115401	Spring clip	2
N 90442501	Retaining clip	2
N 90489801	Retaining clip	2
N 90409501	Hose clamp	2
4G0253115D	Gasket converter	2
8K0253115K	Gasket downpipe	2
N 91130802	Shouldered hex nut (converter and downpipe)	16
G 013A8J1G	Coolant additive	1
Outside material	Distilled water (obtain locally)	1

## Additional Information

All parts and service references provided in this TSB (2048411) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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