BR205 M177 fault code for exhaust
gas flap in combination with power loss

Topic number: LI49.10-P-066012
Version: 2
Design group: 49.10 Exhaust pipes, catalytic converter, mufflers
Date: 07-20-2017
Validity: BR205 with M177 and Performance exhaust system, SA code U78
Reason for change: Fault codes and text corrected
Reason for block: 

Complaint:
Power loss on the freeway driving under load (long periods at wide open throttle or multiple accelerations)

Assignment of exhaust gas flaps:
Left exhaust gas flap
Right exhaust gas flap 2
Front exhaust gas flap 3

Cause:
1st case
One of the following fault codes is logged:
Right rear exhaust gas flap:
P141100 Exhaust gas flap 2 has an electrical fault or an open circuit
P141200 Exhaust gas flap 2 has a short circuit to positive
P141300 Exhaust gas flap 2 has a short circuit to ground

Left rear exhaust gas flap:
P13C700 The exhaust gas flap has an electrical fault or an open circuit
P13C800 The exhaust gas flap has a short circuit to positive
P13C900 The exhaust gas flap has a short circuit to ground

Other faults may also be triggered!

Note:
The 1st case faults must always be processed first

Fault codes for exhaust gas flap 3 are not power-relevant (front exhaust gas flap)

2nd case

One of the following fault codes is logged:

Right rear exhaust gas flap:
- P140400 Exhaust gas flap 2 has a malfunction.
- P140471 Exhaust gas flap 2 has a malfunction. The actuator is blocked.
- P140472 Exhaust gas flap 2 has a malfunction. The actuator fails to close.
- P140473 Exhaust gas flap 2 has a malfunction. The actuator fails to open.

Left rear exhaust gas flap:
- P13C200 The exhaust gas flap has a malfunction.
- P13C271 The exhaust gas flap has a malfunction. The actuator is blocked.
- P13C272 The exhaust gas flap has a malfunction. The actuator fails to close.
- P13C273 The exhaust gas flap has a malfunction. The actuator fails to open.

Other faults may also be logged!

<table>
<thead>
<tr>
<th>Attachments</th>
</tr>
</thead>
<tbody>
<tr>
<td>File</td>
</tr>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Abgasklappendzuordnung 4.2017.pdf</td>
</tr>
</tbody>
</table>

Remedy:
Perform the following work according to the faults in the fault memory

1st case

Check wiring and the connections of the exhaust gas flap control from the control unit to the actuator
- If necessary, repair

2nd case

Check whether other faults are logged in addition to the exhaust gas flap, for example engine faults and CAN communication errors
- If necessary, process engine faults and CAN communication errors first

Check right rear ground point in trunk
- If necessary, strip ground point and repaint

Check exhaust gas flaps for proper operation
- Remove actuator, check actuator and spring for damage
- If necessary, replace damaged parts

Check exhaust gas flap for ease of movement (target < 0.2 Nm)

- Lubricate affected exhaust gas flaps with heat-resistant grease A000 989 91 51, see also other related published TIPS documents in group 49

If complaints have not been rectified after these measures, report the situation by opening a PTSS case.

**The following are required when submitting a case:**

What is the exact complaint in details?

Current quick test.

If power loss:

Operating condition (hot, cold)

Drive program (C, S, S+, Race)

Driving time (short distance or after long driving time)

Driving profile (urban traffic, freeway, race track/ cautious, normal, sporty)

<table>
<thead>
<tr>
<th>Symptoms</th>
<th>Control unit/fault code</th>
<th>Fault code</th>
<th>Fault text</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power generation / Engine management / Engine performance / No/poor output</td>
<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P13C800</td>
<td>The exhaust flap has a short circuit to positive. _</td>
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<tr>
<td>Power generation / Engine management / Engine performance / Cuts off</td>
<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P141300</td>
<td>Exhaust flap 2 has a short circuit to ground. _</td>
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<tr>
<td></td>
<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P140400</td>
<td>Exhaust flap 2 has a malfunction. _</td>
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<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P140471</td>
<td>Exhaust flap 2 has a malfunction. The actuator is blocked.</td>
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<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P140473</td>
<td>Exhaust flap 2 has a malfunction. The actuator does not open.</td>
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<td>N3/10 - Motor electronics 'MED1775' for combustion engine 'M177' (ME)</td>
<td>P140472</td>
<td>Exhaust flap 2 has a malfunction. The actuator does not close.</td>
</tr>
</tbody>
</table>
The exhaust flap has a short circuit to ground.

The exhaust flap has an electrical fault or an open circuit.

The exhaust flap has a malfunction. The actuator is blocked.

The exhaust flap has a malfunction.

The exhaust flap has a malfunction. The actuator does not open.

The exhaust flap has a malfunction. The actuator does not close.

Exhaust flap 2 has an electrical fault or an open circuit.

Exhaust flap 2 has a short circuit to positive.

<table>
<thead>
<tr>
<th>Parts</th>
<th>Part number</th>
<th>ES1</th>
<th>ES2</th>
<th>Designation</th>
<th>Quantity</th>
<th>Note</th>
<th>EPC</th>
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<tbody>
<tr>
<td></td>
<td>A 000 989 91 51</td>
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<td>Heat-resistant grease</td>
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<td>Several vehicles can be treated</td>
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<th>Validity</th>
<th>Vehicle</th>
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<th>Transmission</th>
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<tr>
<td></td>
<td>C (205) - 205.086</td>
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<tr>
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<td>C (205) - 205.087</td>
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<td>C (205) - 205.286</td>
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<td>C (205) - 205.287</td>
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<td>C (205) - 205.487</td>
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