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This Service Information bulletin supersedes SI B07 03 14 **dated February 2015.**

**NEW** designates changes to this revision

#### **SUBJECT**

### **Diagnosing Stored Fault Codes to Help Avoid Repeat Repair Visits**

#### **MODEL**

E60 (5 Series Sedan)

E61 (5 Series Sports Wagon)

E63 (6 Series Coupe)

E64 (6 Series Convertible)

E65 (7 Series Sedan)

E66 (7 Series Sedan)

E70 (X5)

E71 (X6)

E82 (1 Series Coupe)

E83 (X3)

E84 (X1)

E88 (1 Series Convertible)

E90 (3 Series Sedan)

E91 (3 Series Sports Wagon)

E92 (3 Series Coupe)

E93 (3 Series Convertible)

#### **SITUATION**

Analysis of FASTA data and repeat repair visit reports indicates that there are many fault codes that are stored in the above vehicles, but they are not diagnosed to identify their root cause.

Fault codes that are not diagnosed to find their root cause can lead to a repeat repair visit to the workshop by the customer.

Where diagnosis (vehicle or short test) with ISTA has already started, it is important to diagnose the fault code(s) listed below (when they are stored in the vehicle) during the current workshop visit. This will help lead to a reduction in workshop repeat repair visits and higher customer satisfaction.

#### **PROCEDURE**

The following list of fault codes has been identified as causing repeat customer repair visits. The fault codes should be diagnosed when they are found stored in the vehicle after performing a vehicle or short test.

The test plan is to be completed and its recommendations followed to properly repair the vehicle.

Relevant additional information can be found in the “Supplement” column to assist with the repair.

Report any errors in the test plans by using the ISTA diagnosis feedback button.

FAULT CODE	ACTION	SUPPLEMENT
0x6059 - Error wheel electronic undefined	Test plan	<a href="#">B36 02 11</a>
0x4D16 - 4D16 DeNOx-System, efficiency	Test plan	
0x2A15 - 0x2A15 fuel tank ventilation- and scavenging air system, fine leak	Test plan	<a href="#">B16 01 07</a> , <a href="#">B12 12 08</a>
0x6EC4 - 6EC4 - steering wheel sensor: steering wheel angle-Signal only relative,wheel	Test plan	
0x5f45 - 5F45 - Brake fluid level too low --- (DSC: Bremsfluessigkeitsstand zu niedrig)	Test plan	
0x2A82 - 0x2A82 inlet-Vanos variable cam control test	Test plan	NG6:
		<a href="#">B12 12 14</a> , <a href="#">B11 02 08</a> ,
		<a href="#">B11 07 14</a> , <a href="#">B11 08 14</a>
0x2A7C - 0x2A7C VANOS, inlet, cold start	Test plan	NG6:
		<a href="#">B12 12 14</a> , <a href="#">B11 02 08</a> ,
		<a href="#">B11 07 14</a> , <a href="#">B11 08 14</a>
0x29CC - 0x29CC misfirings, several cylinders	Test plan	N51,N52, N52T, N52K:
0x29CD - 0x29CD misfirings, cylinder 1		<a href="#">B12 18 14</a>
0x29CE - 0x29CE misfirings, cylinder 2		
0x29CF - 0x29CF misfirings, cylinder 3		N54:
0x29D0 - 0x29D0 misfirings, cylinder 4		<a href="#">B13 04 09</a> , <a href="#">B12 06 09</a> ,
0x29D1 - 0x29D1 misfirings, cylinder 5		<a href="#">B12 05 09</a> , <a href="#">B12 02 12</a>
0x6EC4 - 6EC4 - steering angle sensor: steering angle Signal only relative.	Test plan	
0xA6A4 – CVM: Speed exceeded	Test plan	<a href="#">B54 17 06</a>
0x6057 - Error wheel electronic RR	Test plan	

0x6054 - Error wheel electronic FL	Test plan	
0x604E - Error Tire Pressure Control-system	Test plan (secondary fault to wheel electronics fault)	
0x29E1 - 0x29E1 fuel mixture control 2	Test plan	<a href="#">B12 05 10</a>
0x447B - 447B Lambda probe	Test plan	<a href="#">B13 06 14</a> (Service Action to be released soon)
0x2C2C - 2C2C Oxygen sensor 2 before catalytic converter: System check	Test plan	
0x2C32 - 2C32 Lambda control 2	Test plan	
0x2882 - 2882 DME: Mixture control bank 1		<a href="#">B12 01 07</a>
0x2883 - 2883 DME: Mixture control bank 2		<a href="#">B12 01 07</a>
0x9D12 - 9D12 DWA: Fault in internal battery		
0x29E0 - 29E0 DME: Fuel mixture control		<a href="#">B12 13 10</a>
0x29E1 -29E1 DMW: Fuel mixture control 2	Test plan	
0x5EF4 - 5EF4 DSC: Steering-angle sensor, fault, internal	Test plan	
0x5EB1 - 5EB1 DSC: Steering-angle sensor, supply	Test plan	
<b>NEW</b> 0x6056 – 6056 RDC: Error wheel electronics RL	Test plan	And B04 07 14 for ATEQ VT55 diagnostic tool
<b>NEW</b> 0x5EBA – 5EBA DSC: Steering-angle sensor		<a href="#">B34 03 07</a> , <a href="#">B34 04 07</a> , <a href="#">B62 02 10</a>
<b>NEW</b> 0x6055 – 6055 RDC: Error wheel electronics FR	Test plan	And B04 07 14 for ATEQ VT55 diagnostic tool
<b>NEW</b> 0x5F12 -5F12 DSC: Brake-pad wear, front axle, brake pads		
<b>NEW</b> 0x29D2 – 29D2 DME: Combustion misfires, cylinder 6		<a href="#">B12 18 14</a> , <a href="#">B12 55 06</a> , <a href="#">B13 04 09</a> , <a href="#">B13 03 09</a>
<b>NEW</b> 0x2A87 – 2A87 DME: Exhaust VANOS, mechanism		<a href="#">B11 02 08</a> , <a href="#">B11 16 14</a> , <a href="#">B12 14 12</a>
<b>NEW</b> 0x93C3 – 93C3 MRS: Seat occupancy detector, passenger		B65 15 07, B65 51 06, B65 13 04

**WARRANTY INFORMATION**

If performing ISTA diagnostics and related test plans results with eligible and covered work under the terms of the following:

- BMW New Vehicle/SAV Limited Warranty, or
- BMW Certified Pre-Owned Program as applicable (Defect Code vendor ID applies).

Claim this work with the applicable defect code and labor the operations listed in KSD2.

**No Problem Found (NPF) Situations (Warranty Policy and Procedures Manual)**

When the vehicle indicates a problem through one of the stored vehicle fault(s) listed above, and the technician performs diagnosis which results in no corrective repair, BMW NA will pay for fair, reasonable and properly documented diagnostic work time under the New Vehicle/SAV Limited Warranty up to one (1) hour.

If the diagnosis of a “no problem found” condition exceeds one (1) hour, authorization must be obtained via a PuMA case from a Technical Service Engineer.

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