



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

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

### 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)	F10 (5 Series Sedan)	F01, F02 (7 Series Sedan)	F22 (2 Series Coupe)
F25 (X3)	F26 (X4)	F30 (3 Series Sedan)	F31 (3 Series Sports Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)

### SITUATION

Fault codes stored in vehicles being serviced are not being diagnosed, leading to repeat repair visits (source- Analysis of FASTA data and repeat repair visit reports).

### INFORMATION

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) to find their root cause 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	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	Test plan	
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	
0x6056 – 6056 RDC: Error wheel electronics RL	Test plan	And <a href="#">B04 07 14</a> for ATEQ VT55 diagnostic tool
0x5EBA – 5EBA DSC: Steering-angle sensor		<a href="#">B34 03 07</a> , <a href="#">B34 04 07</a> , <a href="#">B62 02 10</a>

0x6055 – 6055 RDC: Error wheel electronics FR	Test plan	And <a href="#">B04 07 14</a> for ATEQ VT55 diagnostic tool
0x5F12 -5F12 DSC: Brake-pad wear, front axle, brake pads	Test plan	
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>
0x5DCF – 5DCF DSC: Control module, undervoltage	Test plan	
0x2A87 – 2A87 DME: Exhaust VANOS, mechanism		<a href="#">B11 02 08</a> , <a href="#">B11 16 14</a> , <a href="#">B12 14 12</a>
0x93C3 – 93C3 MRS: Seat occupancy detector, passenger		<a href="#">B65 15 07</a> , <a href="#">B65 51 06</a> , <a href="#">B65 13 04</a>
0x40D4 – 40D4 DDE: Exhaust-gas recirculation controller, position control	Test plan	
0x3EC0 – 3EC0 DDE: Camshaft sensor, signal stored	Test plan	
190302 – Fuel tank ventilation system and purge air system, micro-leak: leak greater than 0.5 mm		B16 15 14
128902 – Oxygen sensor before catalytic converter, slow response		<a href="#">B12 23 11</a>
128A02 – Oxygen sensor 2 before catalytic converter, slow response		<a href="#">B12 23 11</a>
 195002 – N20,N26 Differential Pressure sensor fault		<a href="#">B12 01 15</a>

## WARRANTY INFORMATION

If performing ISTA diagnostics and the related test plans result with eligible and covered work as applicable under the terms of either the:

- BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, or the
- BMW Certified Pre-Owned Program (applicable covered repairs, program defect code vendor ID applies)

Then claim this work with the applicable KSD2 system/component defect code(s) together with the corresponding labor operations.

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

When the vehicle indicates there is a problem based on one of these stored vehicle fault(s) and the technician's diagnosis results in no corrective repair, under the New Vehicle Limited Warranty, BMW NA will pay:

- Up to one (1) hour (10 FRUs) for fair, reasonable and properly documented diagnostic work time.

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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