



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	B36 02 11
0x4D16 - 4D16 DeNOx-System, efficiency	Test plan	
0x2A15 - 0x2A15 fuel tank ventilation- and scavenging air system, fine leak	Test plan	B16 01 07 , B12 12 08
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:
		B12 12 14 , B11 02 08 ,
		B11 07 14 , B11 08 14
0x2A7C - 0x2A7C VANOS, inlet, cold start	Test plan	NG6:
		B12 12 14 , B11 02 08 ,
		B11 07 14 , B11 08 14
0x29CC - 0x29CC misfirings, several cylinders	Test plan	N51,N52, N52T, N52K:
0x29CD - 0x29CD misfirings, cylinder 1		B12 18 14
0x29CE - 0x29CE misfirings, cylinder 2		
0x29CF - 0x29CF misfirings, cylinder 3		N54:
0x29D0 - 0x29D0 misfirings, cylinder 4		B13 04 09 , B12 06 09 ,
0x29D1 - 0x29D1 misfirings, cylinder 5		B12 05 09 , B12 02 12
0x6EC4 - 6EC4 - steering angle sensor: steering angle Signal only relative.	Test plan	
0xA6A4 – CVM: Speed exceeded	Test plan	B54 17 06
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	B12 05 10
0x447B - 447B Lambda probe	Test plan	B13 06 14 (Service Action to be released soon)

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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