This Service Information bulletin supersedes SI B12 06 09 **dated April 2009.**

NEW designates changes to this revision

SUBJECT
N54 E9x, E82, E88 - Misfire Faults Are Stored due to a DME Software Error

MODEL
E82, E88, E90, E92, E93 (3 Series) with the N54 produced up to 3/08

SITUATION
The Service Engine Soon (MIL) lamp comes on and **only** misfire faults are stored.

In this situation, the misfire faults occur at full operating temperatures - most frequently after driving for an extended period of time.

If the DME adaptations are cleared, the vehicle may run and perform normally once more, but under certain engine operating conditions the misfire faults may reoccur.

CAUSE
A DME software calibration error was present, which affected vehicles with **MSD80** which were programmed using Progman V29.2 – V32.1 or ISTA/P 2.32.1.

CORRECTION
Program the vehicle using **ISTA/P 2.33.0** or a later version.

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

After programming, perform the recommended ISTA post-work to clear the DME adaptations.

Important:

All 1 and 3 Series vehicles produced after 3/08 with **MSD81** are **not** affected.

Also unaffected are earlier vehicles originally equipped with MSD80, but which had the DME replaced between 8/2008 and 4/2009 with an MSD81 (the only available replacement part).

Misfire faults can be caused by a variety of mechanical reasons, any of which could affect cylinder combustion efficiency.

All other MIL-relevant faults should be investigated prior to programming.

If misfire faults return, continue to troubleshoot all other possible causes by following the recommended test plans.

IMPORTANT NOTE:

For N54 misfire faults occurring during a cold start, refer to SI B13 04 09 for additional diagnostic information.

NEW **Defect Code:** **10 42 04 42 00**

Labor Operation:	Labor Allowance:	Description:
61 00 801*	Refer to KSD	Programming / encoding control unit(s) without CAS
61 00 811*	Refer to KSD	Programming / encoding control unit(s) with CAS

*Main Work - use this labor operation number when this is the only repair being performed, or if this is the main repair when performed along with other repairs at the same time. If this is not the main repair, refer to KSD for the associated (+) labor operation code.