



SUBJECT

The Engine Intermittently Loses Power

MODEL

All models with the N20, N26, and N55 engines produced to 11/2015

SITUATION

Intermittently the engine may experience a loss of power along with a Drivetrain Malfunction message.

The Service Engine Soon light (MIL) may also be illuminated.

There are one or more of the following air mass plausibility and Valvetronic system faults stored in the DME memory:

E-series with BN2000

- 2775 – Air mass, plausibility: Air mass too low
- 2C57 – Charging pressure control, plausibility: Pressure too low
- 2DCE – Valvetronic system: No adjustment possible
- **NEW** 3164 - Fuel tank ventilation system, 2nd inlet point: Malfunction

F-series with BN2020

- 102002 – Air mass, plausibility: Air mass too low
- 120308 – Charging pressure control, plausibility: Pressure too low
- 133B04 – Valvetronic system: No adjustment possible
- **NEW** 191C02 - Fuel tank ventilation system, 2nd inlet point: Malfunction

CAUSE

- **NEW** Defective Valvetronic or tank ventilation component
- Erroneous faults set due to DME software parameters

PROCEDURE

1. Using the latest version of ISTA, perform all recommended test plans.
 - a. Visually check that there are no leaks in the lines or connections of the charge air system.

- b. If a fault is detected during the testing, complete all steps as specified to identify the cause.
- c. Were any faults detected?

NEW **Yes-** Make the necessary mechanical repairs and program the vehicle to the specified integration level in the table below using ISTA/P 3.57.0 or higher.

No- Program the vehicle to update the DME software.

2. After programming clear the DME adaptations and perform a teach-in of the Valvetronic system.

Models	Target Integration level
E70, E71	E070-15-11-500 or higher
E82, E84, E88, E89, E90, E92, E93	E89X-15-11-500 or higher
F01, F02, F07	F001-15-11-500 or higher
F06, F10, F12, F13	F010-15-11-500 or higher
F15, F16, F25, F26	F025-15-11-500 or higher
F20, F21, F22, F23, F30, F31	F020-15-11-500 or higher
F32, F33, F34, F35, F36	
NEW Only F22, F25, F30, F31, F32, F33, F34	F020-16-03-501 or higher
with the N20 and N26 engines	
produced from March 2013 to February 2014	

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

Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).

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

WARRANTY INFORMATION

- This repair is covered by the terms of the New Vehicle Limited Warranty, BMW Certified Pre-Owned Limited Warranty or State-specific Emissions/SULEV Warranty. Please check for appropriate coverage.
- If the vehicle being repaired is out of Warranty coverage, and the faults are set because of DME software parameters, and only require programming, this repair is covered by the terms of the Federal (8 years or 80,000 mile DME coverage).
- For more details on specific Emissions coverage please refer to the Emissions portal in the Warranty Documentation Portal in Centernet.

Path: Menu>BMW>Aftersales>BMW Warranties Documentation

Only “one” of the following labor operations may be claimed.

Defect Code:	12 14 94 02 00
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Plus work – Vehicle Already in the Workshop

Labor Operation:	Labor Allowance:	Description
00 63 531	Refer to KSD2	For all F-series and E-series Read out fault memory, perform diagnosis and program the vehicle This includes: • Connecting an approved battery charger/power supply indicated in KSD 2 as Charging battery, • Performing “vehicle test” – Read faults, and • Performing all recommended test modules, and • Programming/encoding control unit(s) and E-series without CAS programming
Or:		
		E-series (with CAS programming) Read out fault memory, perform diagnosis and program the vehicle This includes: • Connecting an approved battery charger/power supply indicated in KSD 2

00 63 532	Refer to KSD2	as Charging battery, • Performing “vehicle test” – Read faults, and • Performing all recommended test modules, and • Programming/encoding control unit(s) (with CAS)
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Main work

Labor Operation:	Labor Allowance:	Description
00 63 004	Refer to KSD2	For all F-series and E-series Read out fault memory, perform diagnosis and program the vehicle This includes: • Connecting an approved battery charger/power supply indicated in KSD 2 as Charging battery, • Performing “vehicle test” – Read faults, and • Performing all recommended test modules, and • Programming/encoding control unit(s) and E-series without CAS programming
Or:		
00 63 005	Refer to KSD2	E-series (with CAS programming) Read out fault memory, perform diagnosis and program the vehicle This includes: • Connecting an approved battery charger/power supply indicated in KSD 2 as Charging battery, • Performing “vehicle test” – Read faults, and • Performing all recommended test modules, and • Programming/encoding control unit(s) (with CAS)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance, the labor operations listed above include “diagnosis time.”

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

- Performed “prior” to programming and coding the vehicle, and/or
- Faults are found and additional repairs are necessary (Including Air Mass and/or Valvetronic system-related mechanical repairs) based on the **diagnosis performed and included in the labor operations listed above,**

Claim this additional items under the appropriate component defect code together with the applicable additional required labor operations listed in KSD2.

Overlapping Labor – Other Repairs

If invoicing KSD2 flat rate labor operation codes for other repair work results in overlapping labor, invoice work time labor operation 00 50 000 for the additional time (FRU) minus the overlap instead.

Work time labor operation code 00 50 000 is not considered a Main labor operation.

Eligible other repair work that will be claimed under a difference defect code do require separate punch times.

On the repair order and in the claim comment section, please identify the labor operations labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

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