



## SUBJECT

**N55 and NPOW: DME Fault 102001, Air Mass Too High, Sets in ECO PRO Mode**

## MODEL

F30 (3 Series Sedan)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (3 Series Gran Turismo)

Produced from 7/1/2013 to 2/28/2015

With the N55 engine and BMW M Performance Power Kit

## SITUATION

The Service Engine Soon light (MIL) comes on while driving at moderate to highway speeds in ECO PRO with the “Coasting” feature selection active.

- Fault 102001: Air mass, plausibility: Air mass too high is stored in the DME

## CAUSE

BMW Power Kit DME software

## CORRECTION

Perform diagnosis with the latest version of ISTA.

Program the car using ISTA/P 3.55.0 or higher (release scheduled for 3/2015).

Target integration level: F020-15-03-501 or higher

Note:

Until this ISTA/P version is available, it is recommended to deactivate the “Coasting” mode feature in the ECO PRO menu.

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

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Limited Warranty.

This repair is also covered by the terms of the Federal and/or State-specific Emissions Warranty (dependent on the vehicle model year, state of registration and inclusion on the list of covered components) that applies to the BMW model(s) listed.

The BMW Certified Pre-Owned Limited Warranty applies to BMW vehicles that have and are still within the BMW Certified Pre-Owned coverage period, but beyond Emissions Warranty coverage that applies.

<b>Defect Code:</b>	<b>10 42 31 59 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as Charging battery)
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

If a vehicle control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly and/or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

Repairs to address control modules and/or components with pre-existing conditions are not eligible to be claimed under the defect code listed in this bulletin.

### Other Repairs

If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and labor operations listed in KSD2.

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