

SB-10052356-7192

SI B12 05 13
Engine Electrical Systems

May 2013
Technical Service

SUBJECT

Service Engine Soon Light Flashes with Throttle Adaptation Faults Stored

MODEL

E82

E84

E88

E89

E92

E93

F01

F02

F06

F07

F10

F12

F13

F30

F31

ALPINA B7

With N20, N26, N55, N63T and S63T engines produced from March 13, 2013 to April 18, 2013

SITUATION

The EML light flashes with a check control message for reduced power output and/or the Service Engine Soon lamp (MIL) flashes.

During the throttle valve adaptation (teach-in limit run), faults may occur due to signal voltage oscillations. This could lead to a termination of the teach-in routine or an incorrect value taught in at the lower limit.

The following faults can be stored in the DME memory:

E82, E84, E88, E89, E92, and E93 BN2000 vehicles

- 28D0: throttle valve, adaptation: Initial adaptation, lower limit not taught in
- 28D4: throttle valve, adaptation: Subsequent teach-in, lower limit not taught in
- 28C4: throttle valve, adaptation: Emergency air position not adapted
- 28A0: throttle valve angle – Intake manifold absolute comparison: pressure too high
- 3166: Tank-ventilation system: fault

F01, F02, F06, F07, F10, F12, F13, F30, F31, and ALPINA B7 BN2020 vehicles:

- 101408: throttle valve, adaptation: Initial adaptation, lower limit not taught in
- 107AE0: throttle valve, adaptation: Subsequent teach-in, lower limit not taught in
- 101402: throttle valve, adaptation: Emergency air position not adapted
- 101F01: throttle valve angle – Intake manifold absolute comparison: pressure too high
- 190F08: Tank-ventilation system: fault

CAUSE

Sensitivity of the throttle valve sensor (only affects parts installed during this production period)

CORRECTION

In the event of a fault on N63T and S63T vehicles from this production period, the DME software solution is included with ISTA/P 2.49.4 or higher.

Target integration levels depending on series: F0xx-13-03-505 or higher

In the event of a fault on N20, N26, and N55 vehicles from this production period, the DME software solution is expected to be available with ISTA/P 2.50.0 (July 2013).

Target integration levels depending on series: Xxxx-13-07-501 or higher

Until this ISTA/P 2.50.0 software is released, it will be necessary to replace the throttle valve if these faults are stored.

Note:

This situation only affects the throttle valves installed during the specified production period. Replacement parts in stock at the PDC facilities are OK.

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

Note: When the ISTA system message displays:

Battery voltage only “XX.XX” V. Please connect charger.

Please note the displayed battery voltage reading in the repair order comments section. This documentation is not necessary when part of an approved Technical Service repair procedure; the battery charger is required to be attached before performing the Vehicle Test.

WARRANTY INFORMATION

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

Specific eligible repairs **may** also be covered by the terms of the Federal, State or BMW Emissions Warranty.

To determine if any applicable Federal, State or BMW Emissions Warranty coverage applies prior to performing repairs, please see SI B01 02 11 or “Emissions Warranty Coverage” and refer to the “Glossary of Emission Coverage” attachment for more information.

Defect Code:	10 42 03 71 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead;

and

F01, F02, F06, F07, F10, F12, F13, F30, F31, and ALPINA B7 (BN2020 vehicles)

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

or

E82, E84, E88, E89, E92, and E93 (BN2000 vehicles)

Labor Operation:	Labor Allowance:	Description:
61 00 710	Refer to KSD2	Programming / encoding control unit(s) (not including CAS)
or		

61 00 720	Refer to KSD2	Programming / encoding control unit(s) (with CAS)
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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 control module was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

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