



SUBJECT

N55: Engine Difficult to Start at Cold Ambient Temperatures

MODEL

N55 vehicles with the **Continental** high-pressure pump (**HDP**)

E70

E71

E82

E88

E90

E92

E93

F10

F12

F13

Produced to 3/2012

F25

Produced to 4/2012

N55 vehicles with the **Bosch** high-pressure pump (**HDP**)

E70

E71

E82

E88

E90

E92

E93

F07

F10

F12

F13

Produced from 3/2012 to 6/2013

E84

F01

F02

F06

F30

Produced to 6/2013

F25

Produced from 4/2012 to 6/2013

Note:

The different N55 variants can also be determined by the reading the vehicle's plant integration level.

N55 with the Continental HDP that is older (less) than xxxx-12-03-500

N55 with the Bosch HDP xxxx-12-03-500 and newer (higher)

The exception is the F30, which was only produced with a Bosch HDP beginning with plant integration F020-11-11-500

SITUATION

The complaint may include any of the following symptoms:

- The engine stalls immediately after a cold start before driving away
- The engine may run roughly or misfire after a cold start
- The engine does not start cold or may take several attempts

- To assist starting when cold, the accelerator may need to be depressed slightly and the idle speed raised for a few seconds so the engine does not stall

This can occur most frequently at outside ambient temperatures between -15°C and + 15°C.

It is possible that the Service Engine Soon (MIL) lamp is on with misfire fault(s) stored, but it is equally possible that there will be no faults stored in the DME.

CAUSE

Unfavorable DME software

Cold start or idling problems may arise due to poor fuel quality.

The use of summer fuel during cold outside temperatures may also lead to such problems.

CORRECTION

Perform diagnostics with ISTA/D.

Program the vehicle using the latest version of ISTA/P to the appropriate target integration level.

N55 with the Continental HDP - (revised software introduced with ISTA/P 2.49.2)

E70, E71, E82, E88, E90, E92, and E93:	Exxx-13-03-504 and higher
F10, F12, and F13:	F010-13-03-503 and higher
F25:	F025-13-03-503 and higher

Note:

F10 with the **Continental HDP and manual transmission**, see [SI B12 13 13](#).

N55 with the Bosch HDP - (revised software introduced with ISTA/P 2.50.x)

E70, E71, E82, E84, E88, E90, E92, and E93:	Exxx-13-07-501 and higher
F01, F02, and F07:	F001-13-07-501 and higher
F06, F10, F12, and F13:	F010-13-07-501 and higher
F25:	F025-13-07-501 and higher
F30:	F020-13-07-501 and higher

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.

Certain 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 for “Emissions Warranty Coverage” and refer to the “Glossary of Emission Coverage” attachment for more information.

Defect Code:	10 11 00 05 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
and		
E Series Vehicles		
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)
or		
F Series Vehicles		
61 00 730	Refer to KSD2	Programming / encoding control unit (s)

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.

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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