



SUBJECT

N63T - Drivetrain Malfunction Message after Driving for Several Hours

MODEL

F01 (7 Series Sedan)

F02 (7 Series Sedan LWB)

F06 (6 Series Gran Coupe)

F07 (Gran Turismo)

F12 (6 Series Coupe)

F13 (6 Series Convertible)

With the N63T engine produced to 7/2013

SITUATION

“Drivetrain Malfunction” message displayed with reduced engine power.

Erroneous misfire faults may be stored for cylinders 3 and 6.

The situation is most likely to occur after driving for several hours at constant highway speeds with light throttle (low load and low engine speed).

Cycling ignition off and back on again clears the “Drivetrain Malfunction” warning

CAUSE

DME software (plausibility check error)

CORRECTION

Reprogram vehicle.

PROCEDURE

1. Perform diagnosis with the latest version of ISTA.
2. Program the vehicle using the latest version of ISTA/P to listed Integration level.

F01, F02, F07	Target integration level: F001-16-07-501 or higher

F06, F12, F13

Target integration level: F010-16-07-501 or higher

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

IMPORTANT NOTE: Until the release of ISTA/P 3.59.0 (late June 2016), an IRAP solution is available.

- The vehicle must already be at the most current software integration level.
- Submit a PuMA case entitled “**IRAP – N63T Long Highway Drive Engine Malfunction Message**”.

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 Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

This repair is also covered by the terms of the Federal and/or State-specific Emissions Warranty (dependent on the vehicle’s model year, state of registration and its inclusion on the “model-specific” 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.

Defect Code:	10 42 31 59 00	
Labor Operation:	Labor Allowance:	Description:
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 KSD 2 as Charging battery)
And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		

61 00 730	Refer to KSD2	Programming/encoding control unit (s)
-----------	---------------	---------------------------------------

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) allowances.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments section.

Vehicle Programming and Encoding

If a control module or component 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.

Repairs to control modules and 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/or labor operations listed in KSD2.

[Copyright ©2016 BMW of North America, Inc.]