



## SHUDDER OR JERKING IN 7TH AND 8TH GEARS AT 1000 - 1400 RPM

### MODEL

F15 (X5)	F16 (X6)
With the N63T engine produced from 7/1/13 to 11/14/16	

### SITUATION

A shudder or slight jerking can be felt when driving with the transmission in 7th or 8th gear and the engine speed is between 1,000 and 1,400 RPM.

No related faults are stored and there are not any problems in the chassis systems or with the wheels and tires.

### CAUSE

This shudder or jerking could begin due to the characteristic power pulses of the N63T engine when it is in VVT mode at low engine loads.

### CORRECTION

Changed DSC module software strategy

### PROCEDURE

1. Perform fault search diagnosis with the latest version of ISTA.
2. Program the vehicle using the latest version (ISTA/P 3.60 / ISTA 4.02 or higher).

<b>F15 (X5), F16 (X6)</b>	Target integration level: <b>F025-16-11-501</b> or higher
---------------------------	---

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 / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

### 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.

<b>Defect Code:</b>	<b>3452101500</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 KSD 2 as Charging battery)
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.

### Vehicle Programming and Coding

When ISTA/P automatically reprograms and codes all the vehicle control modules that currently do not have the latest software and control module failures occurred during this programming:

- Please claim these consequential control module repair work under the defect code listed in this bulletin with the applicable KSD2 labor operations.

### Other Repairs

Control module failures that occurred prior to this programming:

- When covered under an applicable limited warranty, claim these control module repairs using the applicable defect code and labor operations in KSD2.

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