	SI B27 02 13	February 2015
BMW	Intermediate and Special Transmission	Technical Service

This Service Information bulletin supersedes SI B27 02 13 **dated June 2013.**

NEW designates changes to this revision

SUBJECT
Knocking Noise from Driveline During Low-speed Turning

MODEL
F01

F02

F06

F07

F10

F12

F13

NEW Produced to 5/2013

With xDrive

SITUATION
A cracking or knocking noise is heard from the driveline on sharp turns at low driving speeds (<15 mph).

CAUSE
NEW Software calibration error in the transfer case control unit (Longitudinal Torque Module or LMV)

PROCEDURE
NEW Program the vehicle using ISTA/P 2.52.2 (integration level 13-03-504) or a more recent version.

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

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 the charger. Please note the displayed battery voltage reading in the repair order comments section.

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

Defect Code:	**27 10 22 02 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		
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.

NEW 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.

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