SB-10051359-6131

BMW logo	SI B12 25 12 Engine Electrical Systems	December 2012 Technical Service

SUBJECT
Vehicle Does Not Start: Loose Ground Z6000*4B

MODEL
F30 with N20

SITUATION
One or more of the following situations may occur sporadically:

- The vehicle does not start

- The vehicle stops running

- The air conditioning compressor does not turn on

- Reverse lights do not work

- The transmission does not shift into gear

- Various chassis and engine check control messages

CAUSE
The ground point Z6000*4B on the engine block near the starter is loose.

PROCEDURE

1. Check and tighten the ground point Z6000*4B to 8 Nm, located on the engine block near the starter.

2. Clear all fault codes that might have been stored if the ground was found to be loose.

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.

Defect Code: **12 51 13 37 00**

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)

and

12 99 000	2 FRU	Check and torque bolt

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.

Even though work time labor operation code 12 99 000 ends in "000," it is not considered a Main labor operation.