SIB 66 16 19 2019-08-29

LANE DEPARTURE WARNING: STEERING WHEEL VIBRATION INSUFFICIENT

MODEL

E-Series	Model Description	Production Date	Affected Option Code / Engine
G05	X5 Sports Activity Vehicle	From July 1st, 2018	5AS (Driving Assistant) Or 5AU (Driving Assistant Professional)
G07	X7 SAV		
G14	8 Series Convertible		
G15	8 Series Coupe		
G20	3 Series Sedan		
G12	7 Series Sedan	From March 1st, 2019	

SITUATION

Lane Departure Warning (LDW) vibration of the steering wheel is not sufficient (too weak).

CAUSE

Vibration actuator software.

CORRECTION

Requires Integration Level (I-Level)-

- S18A-18-11-510 or higher

And:

- Test plan performed

PROCEDURE

1. Verify Intelligent Safety setting for vibration level is set to “strong”.
2. Duplicate issue via test drive.
3. Read out vehicle I-level-
   a) If it is lower (older) than S18A18-11-510, program and encode the vehicle before moving to step 4
   b) If it is at S18A18-11-510 or higher, proceed as outlined below
4. Before performing the test plan for the first time the following must be done-
   a) Disconnect the ICOM
   b) Allow the vehicle to enter sleep mode
   c) Vehicle must sleep for 5 minutes

Note: Vehicle is asleep when the illumination of the hazard light button backlighting goes out.

5. Connect the ICOM and start new session.
6. Using text search, find test plan by searching “Steering wheel module”
   a) Path: vehicle management/ trouble shooting/ text search
7. Select test plan titled “steering wheel electronics” from the result list-
   a) Test plan titled when open “AT6131_SP18LRE”

b) Display test plan and perform option for “checking vibration actuator”

c) Run this test plan at least 8 times in succession

8. Take vehicle for a test drive and verify the improved functionality.

Always connect a BMW-approved battery charger/power supply (SI B04 23 10) when performing programming.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Defect Code:	**6137141400**	**Vibration motor/vibration agitator in steering wheel temporary malfunction**

Labor Operation	**Description**	**Labor Allowance**
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR

And, additionally for the:

e-Vehicles

Labor Operation	**Description**	**Labor Allowance**
61 25 910	Recharging high-voltage battery unit (to high voltage charging socket)	Refer to AIR

And, if

The vehicle is lower (older) than 18-11-510

Labor Operation	**Description**	**Labor Allowance**
61 00 730	Programming/encoding control unit(s)	Refer to AIR

And/or:

Labor Operation	**Description**	**Labor Allowance**
61 00 006	Performing vehicle diagnosis – test module (AT6131_SP18LRE per the instruction above)	Work time (WT)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

Refer to AIR 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.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur during this programming procedure:

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

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

For control module failures that occurred prior to performing this programming procedure:

When covered under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR.