INTERRUPTION OF AUTOMATED PARK ASSIST

MODEL

G05 (X5 Sports Activity Vehicle)	G07 (X7 SAV)	G14 (8 Series Convertible)	G15 (8 Series Coupe)
G20 (3 Series Sedan)	G29 (Z4 Roadster)		

Produced from July 1, 2018 thru March 31, 2019

SITUATION

Park Distance Control (PDC) distance tiles are displayed in the Central Information Display (CID), despite no actual obstacles being in close proximity to the vehicle.

The automated parking maneuver fails during parallel and bay parking with activated Park Assist (PMA) because the PDC ultrasonic sensors detect and indicate obstacles which are not actually there.

CAUSE

Software error in the control unit PDC control unit. Affected I levels:

- S18A-18-07-5xx: G05, G15 only
- S18A-18-11-5xx: All

CORRECTION

Program/encode the vehicle to Integration level (I-level) S18A-19-03-520 or higher.

- I-level S18A-19-03-520 will be supported by ISTA 4.16.1x, available in early March 2019

The optimized software reduces PDC wrong-way driving warnings (phantom objects) and PMA parking failures during automated parallel and bay parking.

PROCEDURE

1. Perform diagnosis with ISTA and work through the corresponding test module if necessary.

2. Program/encode the vehicle to I-level S18A-19-03-520 or higher.

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

For information on programming and coding with ISTA, refer to CenterNet / TIS / Technical Documentation / Programming and Diagnostics / Programming Documentation

3. Test the Park Assist to confirm that the phantom PDC tiles are no longer indicated in the CID, and that the parking maneuver can be completed without interruption.

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.

Defect Code:	**6633000200**	**Control unit, parking maneuvering assistant PMA software error / internal device fault**
Labor Operation:	**Labor Allowance:**	**Description:**

00 00 006	Refer to AIR/KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR/KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR/KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery”)
And:		
61 00 730	Refer to AIR/KSD2	Programming/encoding control unit(s)

Refer to AIR/KSD2 for the corresponding flat rate unit (FRU) allowances.

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

A. 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/KSD2 labor operations.

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

B. 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/KSD2.