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2019-08-29

ACTIVE PARK DISTANCE CONTROL (PDC): UNDESIRE BRAKING

MODEL

E-Series	Model Description	Production Date	Affected Option Code / Engine
G01	X3 Sports Activity Vehicle	From August 1, 2017	5DM (Parking Assistant)
G02	X4 Sports Activity Coupe	From April 1, 2018	Or 5DN (Parking Assistant Plus)

SITUATION

The vehicle applies the brakes on its own when reversing onto an inclined roadway or driveway. This applies only to the situation where the Active PDC option is activated via the iDrive.

CAUSE

Software of the ultrasonic sensors and PDC control unit.

CORRECTION

Perform coding only conversion to modify the vehicle order (VO) and add "PDCD".

PROCEDURE

1. Duplicate the issue.
2. Perform diagnosis with ISTA 4.18.1 or higher.
3. Complete test plan for related fault codes stored.
4. With vehicle connected to ISTA 4.18.1x or higher-
 - Go to conversions
 - Select "PDC ground detection when reversing"
 - Perform coding only conversion to add "PDCD" to the VO
5. Also refer to [TRI B66 11 18](#), which contains information on the limitation of PDC system.

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:	6620010200	Control unit, Park Distance Control (PDC) software error/internal equipment fault
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, as necessary:		
61 00 006	Performing vehicle diagnosis – test module	Work time (WT)
And:		
66 20 000	Perform conversion to add K word “PDCD” to vehicle order	1 FRU

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.

Work time labor operation code 66 20 000 is also not considered a Main labor operation and since the work time FRU allowance to be claimed is specified, a separate punch time is not required.

However, both work time labor operations still require an explanation on the repair order and in the claim comments section.