



SIB 66 16 20

2020-11-19

PARKING ASSISTANCE SYSTEM FAILED

This Service Information Bulletin (Revision 1) replaces SI B66 16 20 **dated November 2020**.

What's New (Specific text highlighted):

- Procedure

MODEL

E-Series	Model Description	Production Date
G20	3 Series Sedan	Up to May 28, 2020

Equipped with one of the following option codes:

508 – Park Distance Control (PDC)

Or

5DN – Parking Assistance System Plus

SITUATION

When utilizing the Parking Maneuvering Assistance (PMA) system or during a parking maneuver, various check control messages (CCM) are displayed.

Note: Only vehicle(s) with an Electromechanical Power Steering (EPS) from manufacturer JTEKT are affected. G20 can be equipped with an EPS manufactured by either JTEKT or ThyssenKrupp Presta AG.

Below are examples of the various CCM with their description displayed.



CCM ID 451 – Park Assist
Assume vehicle control. Park Assist failed.
Parking maneuver was interrupted. If this occurs repeatedly, have it checked by the Service Center.

The following two CCM utilize the same icon:

CCM ID 918 – Parking Assistance failure
Parking Assistance failure, park yourself*.
Have it checked by your Service Center.

CCM ID 977 - Lateral Parking Aid



Lateral Parking Aid failure, park autonomously. Drive to your Service Center at your convenience.

*customer needs to manually park the vehicle

CAUSE

Insufficient steering angle adjustment during vehicle production.

The following Diagnostic Trouble Codes (DTC) are stored in the Ultrasonic Sensor (USS) control unit:

- D42DA1 – Signal (odometry vehicle 1, 0x90) invalid, transmitter Dynamic Stability Control (DSC) / Virtual Integration Platform (VIP)
- And
- D42DA9 – Signal (vehicle movement actual vector, 0xAD) invalid, transmitter DSC / VIP

CORRECTION

Perform the service function start-up for:

- EPS
- DSC
- Driving Dynamic sensors

PROCEDURE

1. Connect the vehicle to ISTA
2. Perform a vehicle test
3. Check the manufacturer information for the installed EPS as follows:
 - a. Select EPS from control unit tree
 - b. Click on ECU function
 - c. Select identification tab
4. If the EPS is from manufacturer JTEKT, perform the following service functions:
 - a. Turn the steering wheel +/- 90 degrees from the straight-ahead position which allows the internal hall effect sensors to detect the position of the steering wheel
 - b. EPS start-up as per REP 32 13 905
 - c. DSC start-up

- d. Driving Dynamics Sensors start-up
- e. Then reassess the vehicle

5. If the EPS is from another manufacturer, then perform diagnosis using ISTA and working through corresponding test plans.

WARRANTY INFORMATION

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

Defect Code:	3213021500	Steering gear permanent 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 (in AIR as Recharge vehicle electrical system battery)	Refer to AIR
And:		
32 13 905	Commissioning electromechanical steering gear (EPS) (after vehicle diagnosis) (Manufacturer JTEKT)	Refer to AIR
And:		
32 99 000	Job/repair work time to perform DSC and Driving Dynamics Sensors start-up (Manufacturer JTEKT)	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.

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

Refer to AIR for the corresponding flat rate unit (FRU) allowance.

Work time labor operation code 32 99 000 is not considered a Main labor operation.

Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations that are listed in AIR (including diagnosis).

As applicable to your center, please refer to **SI B01 01 20** or **B01 07 20** for claiming your diagnosis work time, job/repair work time (WT), WT and the repair-related explanation procedures.

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Submit an IDS ticket to the Warranty Department or use the chat available in the Warranty Documentation Portal
Parts inquiries	Submit an IDS ticket to the Parts Department