



SUBJECT

Rear Park Distance Control Does Not Work

MODEL

E84

Produced to September 10, 2012

With option 508 – PDC (Park Distance Control)

SITUATION

When the reverse gear is selected or the PDC button is pressed, the rear PDC sensors do not work and, at times, there is no check control messages displayed.

CAUSE

Water ingresses into the PDC sensor. This is because the wire connection for the driver's side rear outer PDC sensor is not protected from water, dirt and other foreign materials kicked up by the driver's side rear wheel.

PROCEDURE

1. Perform a vehicle test using ISTA.

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.

2. If no faults are stored, proceed to step 4.
3. If faults are stored for the PDC system, complete all related test plans and follow the test plan recommendations. This Service Information is no longer applicable.



4. Locate the driver's side rear outer PDC sensor.
5. Uninstall the PDC sensor from the mounting bracket in the bumper as per Repair Instruction 66 20 534, “Removing/replacing left rear outer PDC sensor.”



6. Disconnect the sensor from the wiring harness.
7. Check the connectors on both the wiring harness and the PDC sensor for dirt and corrosion. Clean both connectors.

Note: If pins are corroded and cannot be cleaned, replace as needed.

8. Reconnect the PDC sensor and retest the rear PDC functionality.



9. Uninstall the driver's side rear outer PDC sensor from the bumper mounting bracket.

Note: Do not disconnect the sensor from the wiring harness.



10. Install the "Protective Cap" as shown.

Note: Be careful when installing the protective cap – do not pinch any of the wires.



11. The PDC sensor should look as displayed in this picture after reinstallation in the mounting bracket.
12. Once again, verify the rear PDC sensors are functional.

PARTS INFORMATION

Part Number	Description	Quantity
12 51 7 804 394	Protective Cap	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

Defect Code: **66 20 08 15 00**

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

and if necessary, also

61 21 528	Refer to KSD2	Charging battery
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and

66 20 534	Refer to KSD2	Removing left rear PDC sensor (includes initializing)
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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.

Additional Work – Repairing Pin Connectors

Labor Operation:	Labor Allowance:	Description:
66 99 000	Work Time	Work time to repair PDC Sensor connector pins, if needed

Even though work time labor operation code 66 99 000 ends in “000,” it is not considered a Main labor operation.

Work time (WT) labor operation 66 99 000 requires an individual punch time.

Other Repairs

If performing other ISTA diagnostics and the related test plans results with eligible and covered work, claim this work with the applicable defect code and labor operations listed in KSD2.

Note: Please follow any TeileClearing (TC) or Diagcode (DC) requirements that may apply to this additional work.

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