

	this concern, DISCONTINUE this test and FOLLOW the TSB instructions. If no Technical Service Bulletins (TSBs) TSB addresses this concern, .
No	The system is operating correctly at this time. Concern may have been caused by a loose or corroded connector. ADDRESS the root cause of any connector or pin issues.

DIAGNOSIS AND TESTING > PARKING AID > PINPOINT TEST(S) > PINPOINT TEST B : B1B58:11

Refer to Parking Aid for schematic and connector information.

Normal Operation and Fault Conditions

The PAM supplies voltage to the rear parking aid sensors via a common circuit.

DTC Fault Trigger Conditions

DTC	Description	Fault Trigger Conditions
B1B58:11	Rear Sensors Power Circuit: Circuit Short To Ground	A continuous and on-demand DTC that sets when the rear sensor voltage supply circuit is shorted to ground or to the signal return circuit.

Possible Sources

- Wiring, terminals or connectors
- Rear parking aid sensor
- PAM (integral to the BCM)



NOTE: Before disconnecting the PAM or any of the parking aid sensors, verify the connectors are properly seated and latched.

DIAGNOSIS AND TESTING > PARKING AID > PINPOINT TEST(S) > PINPOINT TEST B : B1B58:11 > PINPOINT TEST B : B1B58:11

B1 CHECK THE BUMPER WIRING HARNESS

Ignition OFF.

Inspect the bumper wiring harness for opens, shorts, grounds, or corrosion.

Is the bumper wiring harness OK?

Yes	GO to B2
------------	----------

No	REPAIR or INSTALL a new bumper wiring harness.
-----------	--

B2 CHECK THE LH (LEFT-HAND) REAR OUTER PARKING AID SENSOR FOR AN INTERNAL SHORT

Disconnect: LHR Outer Parking Aid Sensor C4009 .

Ignition ON.

Using a diagnostic scan tool, clear the DTCs (diagnostic trouble codes) and repeat the PAM self-test.

Is DTC B1B58:11 still present?

Yes	GO to B3
------------	----------

No	INSTALL a new LH rear outer parking aid sensor. REFER to: Rear Parking Aid Sensor .
-----------	---

B3 CHECK THE LH (LEFT-HAND) REAR INNER PARKING AID SENSOR FOR AN INTERNAL SHORT

Ignition OFF.

Disconnect: LH Rear Inner Parking Aid Sensor C4010 .

Ignition ON.

Using a diagnostic scan tool, clear the DTCs (diagnostic trouble codes) and repeat the PAM self-test.

Is DTC B1B58:11 still present?

Yes	GO to B4
------------	----------

No	INSTALL a new LH rear inner parking aid sensor. REFER to: Rear Parking Aid Sensor .
-----------	---

B4 CHECK THE RH (RIGHT-HAND) REAR INNER PARKING AID SENSOR FOR AN INTERNAL SHORT

Ignition OFF.

Disconnect: RH Rear Inner Parking Aid Sensor C4012 .

Ignition ON.

Using a diagnostic scan tool, clear the DTCs (diagnostic trouble codes) and repeat the PAM self-test.

Is DTC B1B58:11 still present?

Yes	GO to B5
------------	----------

No	INSTALL a new RH rear inner parking aid sensor. REFER to: Rear Parking Aid Sensor .
-----------	---

B5 CHECK THE RH (RIGHT-HAND) REAR OUTER PARKING AID SENSOR FOR AN INTERNAL SHORT

Ignition OFF.

Disconnect: RH Rear Outer Parking Aid Sensor C4011 .

Ignition ON.

Using a diagnostic scan tool, clear the DTCs (diagnostic trouble codes) and repeat the PAM self-test.

Is DTC B1B58:11 still present?

Yes	GO to B6
------------	----------

No	INSTALL a new RH rear outer parking aid sensor. REFER to: Rear Parking Aid Sensor .
-----------	---

B6 CHECK THE PARKING AID SENSOR VOLTAGE SUPPLY CIRCUIT FOR A SHORT TO GROUND

Ignition OFF.

Disconnect: BCM C2280D .

Measure:

Positive Lead	Measurement / Action	Negative Lead
C2280D-26	Ω	Ground

Is the resistance greater than 10, 000 ohms?

Yes	GO to B7
------------	----------

No	REPAIR the circuit.
-----------	---------------------

B7 CHECK THE PARKING AID SENSOR VOLTAGE SUPPLY CIRCUIT AND GROUND CIRCUIT FOR A SHORT TOGETHER

Measure: