



Technical Service Bulletin

GROUP BODY ELECTRICAL	NUMBER 19-BE-009H
DATE MAY, 2019	MODEL(S) VARIOUS

SUBJECT: BLIND-SPOT COLLISION WARNING (BCW/BSD) MODULE TROUBLESHOOTING INFORMATION

Description: This bulletin provides information for troubleshooting of the Blind-Spot Collision Warning (BCW/BSD) system whenever it exhibits Diagnostic Trouble Code (DTC) C120B/D or C160A.

C120D15 - Left Led Circuit Short To B
C120B15 - Right Led Circuit Short To B Or Open
C160A88 - BSD Local CAN bus off

NOTICE

When a vehicle exhibits Diagnostic Trouble Code (DTC) C120B/D or C160A, check the wiring harness connections before attempting to replace the Blind-Spot Collision Warning (BCW/BSD) module(s).

NOTICE

The information provided in this bulletin is a general guidance to assist the technician. The information is not specific to any vehicle. Please refer to the Electrical Troubleshooting Manual (ETM) for the specific model to locate the general area described below.



Applicable Vehicles:

Sonata (LF) 2016-2019
Sonata Hybrid (LFHEV) 2016-2019
Sonata Hybrid (LFPHEV) 2016-2019
Ioniq (AE) 2016-2019
Ioniq Hybrid (AEHEV) 2017-2019
Ioniq Plug In Hybrid (AEPHEV) 2018-2019
Ioniq Electric (AEEV) 2017-2019
Tuscon (TL) 2016-2019
Santa Fe Sport (AN) 2013-2018
Santa Fe (NC) 2013-2018

Warranty Information:

Normal Warranty Applies

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

SUBJECT:

**BLIND-SPOT COLLISION WARNING (BCW/BSD) MODULE
TROUBLESHOOTING INFORMATION**

Service Procedure:

DTC C120D15/C120B15

C120D15 - Left LED Circuit Short To B.

This DTC refers to an electrical connection concern between the left side mirror BCW/BSD LED light indicator, and the left side BCW/BSD module.



Left BSD LED Light Indicator

C120B15 - Right LED Circuit Short To B or Open.

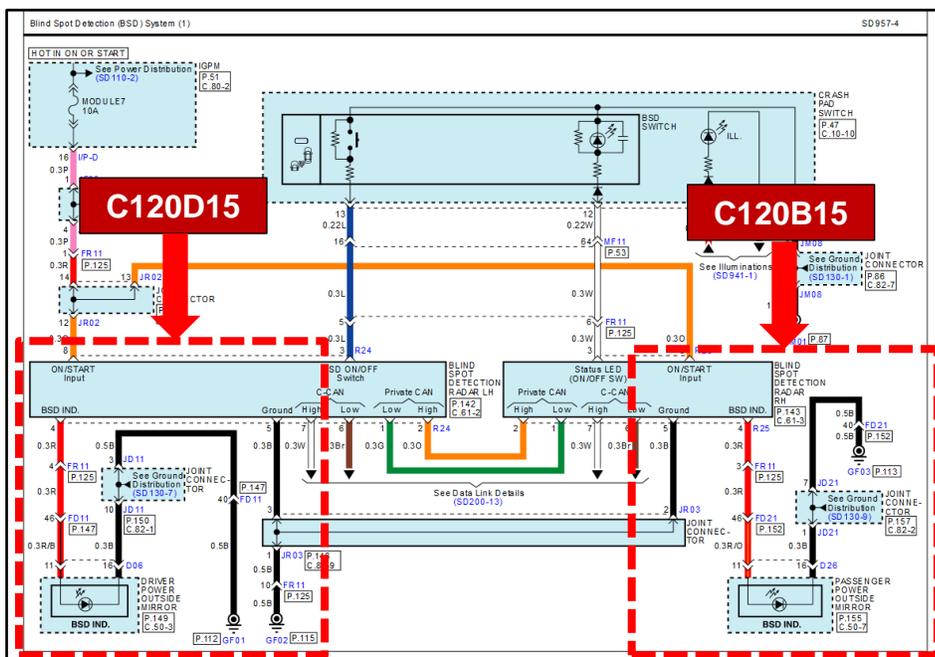
This DTC refers to an electrical connection concern between the right side mirror BCW/BSD LED light indicator, and the right side BCW/BSD module.



Right BSD LED Light Indicator

Check the Following in Relation to the DTC:

1. Check continuity (<1ohm) from BCW/BSD module to BCW/BSD light indicator.
2. Check mirror assembly and/or wire harness for open, shorted, frayed wires or poor connector fastening.
3. Check connector pins for tension, corrosion, or damage.
4. If steps 1-3 are confirmed normal, then proceed with replacing the BCW/BSD module(s) according to the DTC code.



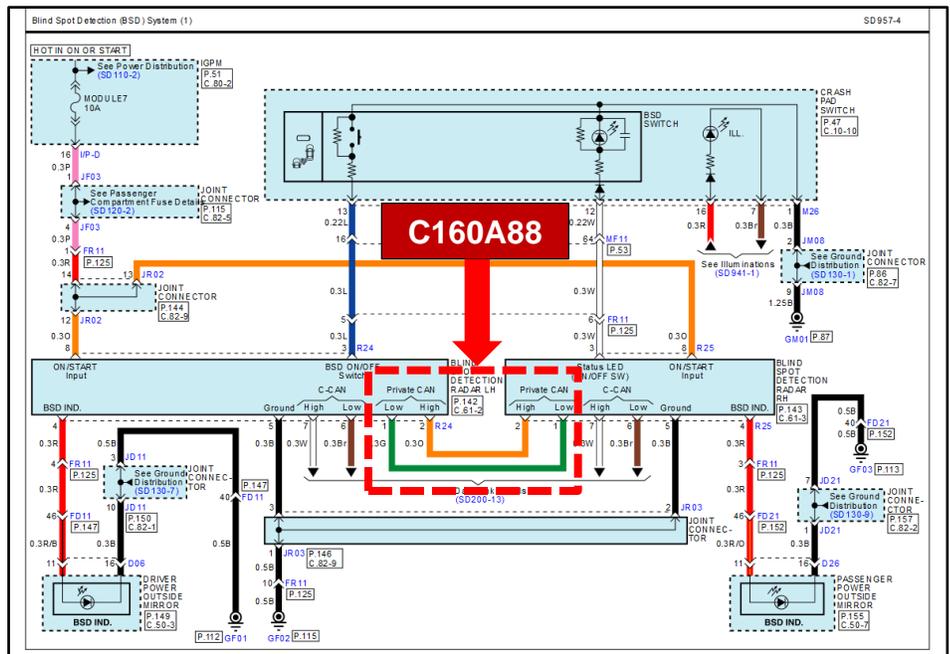
SUBJECT:**BLIND-SPOT COLLISION WARNING (BCW/BSD) MODULE
TROUBLESHOOTING INFORMATION****DTC C160A88**

C160A88 - BSD Local CAN bus off

This DTC generally refers to an electrical connection concern between the left side and the right side BCW/BSD modules.

**Check the Following:**

1. Check continuity (<1ohm) of the High and Low CAN line between the two BCW/BSD modules.
2. Check wire harness for open, shorted, frayed wires or poor connector fastening.
3. Check connector pins for tension, corrosion, or damage.
4. If steps 1-3 are confirmed normal, then proceed with replacing the BCW/BSD module(s).

**NOTICE**

If the harnesses between the BCW/BSD modules are found faulty, a down level part is available. Refer to TSB 18-BE-005-1 for more information. Refer to the parts catalog for the latest part number.