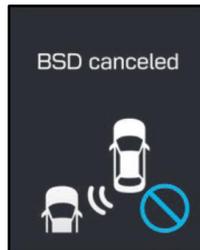


 <b>HYUNDAI</b> <b>Technical Service Bulletin</b>	GROUP <b>BODY ELECTRICAL</b>	NUMBER <b>18-BE-001</b>
	DATE <b>JANUARY, 2018</b>	MODEL(S) <b>SONATA (LFA) SONATA HYBRID (LF HEV/PHEV) SANTA FE SPORT (AN) SANTA FE (NC)</b>
<b>SUBJECT: BLIND SPOT DETECTION (BSD) SOFTWARE UPDATE</b>		

***This bulletin supersedes TSB 17-BE-007 to include a note relating to inapplicable model year vehicles software update and repair procedure.***

**Description:** When towing a trailer with some LF/LF-HEV/LF-PHEV Sonatas or some AN/NC Santa Fe vehicles equipped with the Blind Spot Detection (BSD) feature, the trailer may interfere with the BSD system operation resulting in cancellation of the BSD operation. When this occurs, a “BSD canceled” message is displayed in the vehicle’s instrument cluster. The “BSD canceled” message remains on even if the customer manually disables the BSD system, and may result in customer complaints. This bulletin provides the service procedure to update the system software to turn off the “BSD canceled” message when the BSD system is manually disabled.



**Applicable Vehicles (Below Vehicles Equipped with BSD):**  
**2015-2017 Sonata (LFA)**  
**2016-2017 Sonata Hybrid/Plug-in (LF HEV/PHEV)**  
**2013-2017 Santa Fe Sport (AN)**  
**2013-2016 Santa Fe (NC)**

**Warranty Information:**

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE	CAUSE
Sonata (LFA) Sonata Hybrid/Plug-in (LF HEV/PHEV) Santa Fe Sport (AN) Santa Fe (NC)	95811F01	BSD Update	0.3 M/H	For Causal P/N: Refer to table on page 3 for BSD Radar P/N per applicable model.	I3A	ZZ3

**NOTE 1: Submit Claim on Claim Entry Screen**

**NOTE 2: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.**

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

## BSD SOFTWARE UPDATE PROCEDURE

### WARNING

Before updating the software, confirm the vehicle is applicable in regards to **Model and Model Year**. Updating the software to an inapplicable vehicle will damage both the left and right BSD radar sensors and will require replacement. Such error will not be covered under warranty.

### \* NOTICE

If after updating the software and a BSD radar sensor is found faulty, then replace the radar sensor with a new part and perform the software update again. Updating the software again will update both BSD radar sensors to match with the same software version.

### \* NOTICE

To verify if the vehicle is affected:

- Check the current version of the BSD ROM ID and compare it to the ROM ID information table listed below before attempting to update the BSD radar modules.

### \* NOTICE

Selecting BSD-L will update both the left and right side radar modules.

### \* NOTICE

You must initially perform GDS BSD Update in Auto Mode.

- If the BSD Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB: 15-GI-001 (GDS Mobile).

#### GDS Information:

EVENT INFORMATION	
MODEL	EVENT DESCRIPTION
SONATA (LFA)	"440.LFA BSD DIAGNOSIS LOGIC IMPROVEMENT"
SONATA HYBRID/PLUG-IN (LF HEV/PHEV)	"441.LF HEV/PHEV BSD DIAGNOSIS LOGIC IMPROVEMENT"
SANTA FE SPORT (AN)	"442.DMA BSD DIAGNOSIS LOGIC IMPROVEMENT"
SANTA FE (NC)	"443.NC BSD DIAGNOSIS LOGIC IMPROVEMENT"

#### NOTE:

- Refer to the TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.

## ROM ID INFORMATION TABLE:

MODEL	BSD RADAR P/N	ROM ID	
		OLD	NEW
SONATA (LFA)	95811-C1000(LH) / 95821-C1000(RH)	LF_0101LF_0101 LF_0101LF_0110 LF_0110LF_0101 LF_0101LF_0150 LF_0150LF_0101 LF_0110LF_0110 LF_0150LF_0110 LF_0110LF_0150	LF_0150LF_0150
SONATA HYBRID/PLUG-IN (LF HEV) (LF PHEV)	95811-E6000(LH) / 95821-E6000(RH)	LFE0101LFE0101 LFE0101LFE0110 LFE0110LFE0101	LFE0110LFE0110
AN	95811-4Z000(LH) / 95821-4Z000(RH)	AN_0110AN_0110 AN_0150AN_0110 AN_0110AN_0150	AN_0150AN_0150
NC	95811-B8000(LH) / 95821-B8000(RH)	NC_0100NC_0100 NC_0120NC_0100 NC_0100NC_0120	NC_0120NC_0120

## MANUAL MODE PASSWORD INFORMATION TABLE:

## #440-LFA

MENU	PASSWORD
LFA BSD 95811/21-C1000/1	1001

## #441-LF HEV/PHEV

MENU	PASSWORD
LF HEV/PHEV BSD 95811/21-E6000	6000

## #442-DMA(AN)

MENU	PASSWORD
DMA BSD 95811/21-4Z000	4000

## #443-NC

MENU	PASSWORD
NC BSD 95811/21-B8000	8000

## Service Procedure:

1. Perform service procedure outlined in this TSB.
2. Check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
3. Erase the DTC in the Blue Link system according to TSB 12-BE-005-2.
4. Confirm normal vehicle operation.