



Countries: CANADA, UNITED STATES, MEXICO
Availability: ISIS, NotSIR
Major System: BRAKES
Current Language: English
Other Languages: NONE
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Coding Information

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Title: Radar Sensor Interference w/Rock Screen/Shield

Applies To: LT with collision avoidance feature codes 08TPL, 08TPU, 08TUE

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

11/07/2017 - Formatting corrections and Part number changed
 09/22/2017 - Additional photo of clip uploaded
 09/19/2017 - Initial Article Release

DESCRIPTION

This document will guide the user through identification and correction of rock screen/shield gap.

SYMPTOM(s)

- Collision Mitigation MIL ON
- Collision Mitigation audible warning ON
- Active On Guard System

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s)

DTC/Light	Description	Source Module
SPN1121-19	EBS Brake Switch (Received Network Data in Error)	Proximity Detector
SPN521-19	Brake Pedal Position (Received Network Data in Error)	Proximity Detector
SPN5681-9	Driver Activation Demand for Advanced Emergency Braking System (Abnormal Update Rate)	Proximity Detector
SPN917-9	High Resolution Total Vehicle Distance (Abnormal Update Rate)	Proximity Detector
SPN1121-19	J1939 Signal: Error In EBC1 Brake Switch	Headway Controller
SPN5023-9	J1939 Signal: Not Available ACC2 ACC Usage	Headway Controller
SPN521-19	J1939 Signal: Error In EBC1 Brake Pedal Position	Headway Controller
SPN917-9		Headway Controller

High Resolution Total Vehicle Distance (Abnormal Update Rate)
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Customer Observations or Concerns:

- Collision Mitigation MIL ON
- Collision Mitigation audible warning ON
- Active On Guard System

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
N/A			

[Tools Resource Center](#)**SERVICE PARTS INFORMATION**

Kit Description	Part Number	Quantity Required	Notes
U-Clip Fastener	4106286C1	1	

DIAGNOSTIC STEP(s)/REPAIR STEP(s)

Step	Action	Decision
1	DIAGNOSTIC: Does the unit have a visible gap between rock screen/shield and bumper? See Figure 1 Item 1.	Yes - Continue to Step 2.
		No - Article does not apply.



Figure 1 - Front Bumper

Item 1: Identify screen/shield gap interfering with radar sensor.

Step	Action	Decision
2	DIAGNOSTIC: Follow Figure 2 and Figure 3 repair steps below for proper clip installation.	Clear faults, retest for concern and continue to Step 3.



Figure 2 - Clip installation, clip centered





Figure 3: Clip installation

Note: Clip color and shape may vary by supplier.

Step	Action	Decision
3	DIAGNOSTIC: Did the DTC's, MIL or Audible alarm return?	1. YES - Consult with Service Manager on how to proceed.
		2. NO - Return to service, no further action needed.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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