



Countries:
Availability: ISIS, FleetSIS, Body Builder, NotSIR
Major System: Electrical
Current Language: English
Other Languages: NONE
Viewed: 41

Document ID: IK0800676
Revision: 0
Created: 1/21/2025
Last Modified: 1/24/2025
Author: Anthony Tondola

[Less Info](#)

Hide Details

Coding Information

Copy Link 	Copy Relative Link 	Bookmark View My Bookmarks	Add to Favorites 	Print 	Provide Feedback 	Helpful 0	Not Helpful 0
----------------------	-------------------------------	--	-----------------------------	------------------	-----------------------------	-------------------------	-----------------------------

Title: Shark Fin Antenna Cable Damaged

Applies To: LT, RH, MV, HV, HX w/ Shark Fin Antenna

CHANGE LOG

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

01/24/2025 - Initial Article Release

DESCRIPTION

This document will guide the user through inspecting the shark fin antenna cable for rubbing/chafing at the mounting hardware. In some cases, cable damage has been seen where the antenna cables pass over the mounting hardware. This cable damage can cause the fault codes listed below, intermittent operation of the predictive cruise control, and issues with OCC report uploading.

SYMPTOM(s)

Diagnostic Trouble Code(s):

DTC	Description
SA 74 SPN 3444 FMI 4	Network Antenna Status 2 - Voltage Below Normal or Shorted to Low Source
SA 75 SPN 3444 FMI 4	Network Antenna Status 2 - Voltage Below Normal or Shorted to Low Source
SA 74 SPN 516097 FMI 12	Internal Hardware Error
SA 74 SPN 516097 FMI 12	Internal Hardware Error

Customer Observations or Concerns:

- Fault codes from source addresses 74 and 75 on health reports (listed above)
- Intermittent operation of the predictive cruise control (PCC)
- Issues with uploading OCC reports

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
ANTENNA, SHARK AM/FM/WB/SDARS/GPS/LTE	4136171C4	1	The C4 revision part will already have friction tape applied to the antenna cables. (Figure 3)
TAPE, FRICTION	7096462C1	1	

DIAGNOSTIC STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

Step	Action	Decision

1	<p>DIAGNOSTIC: Loosen or remove the headliner to access the bottom of the roof panel where the shark fin antenna is mounted and inspect the cables for damage. (Figures 1 & 2)</p> <p>Is damage present on the shark fin antenna cables?</p>	<p>Yes. Replace the shark fin antenna assembly.</p> <p>Wrap the cables with abrasion-resistant tape if it has not already been applied to the replacement assembly. (Figure 3)</p>
	<p>No. Wrap the cables with abrasion-resistant tape and reassemble. (Figure 3)</p>	

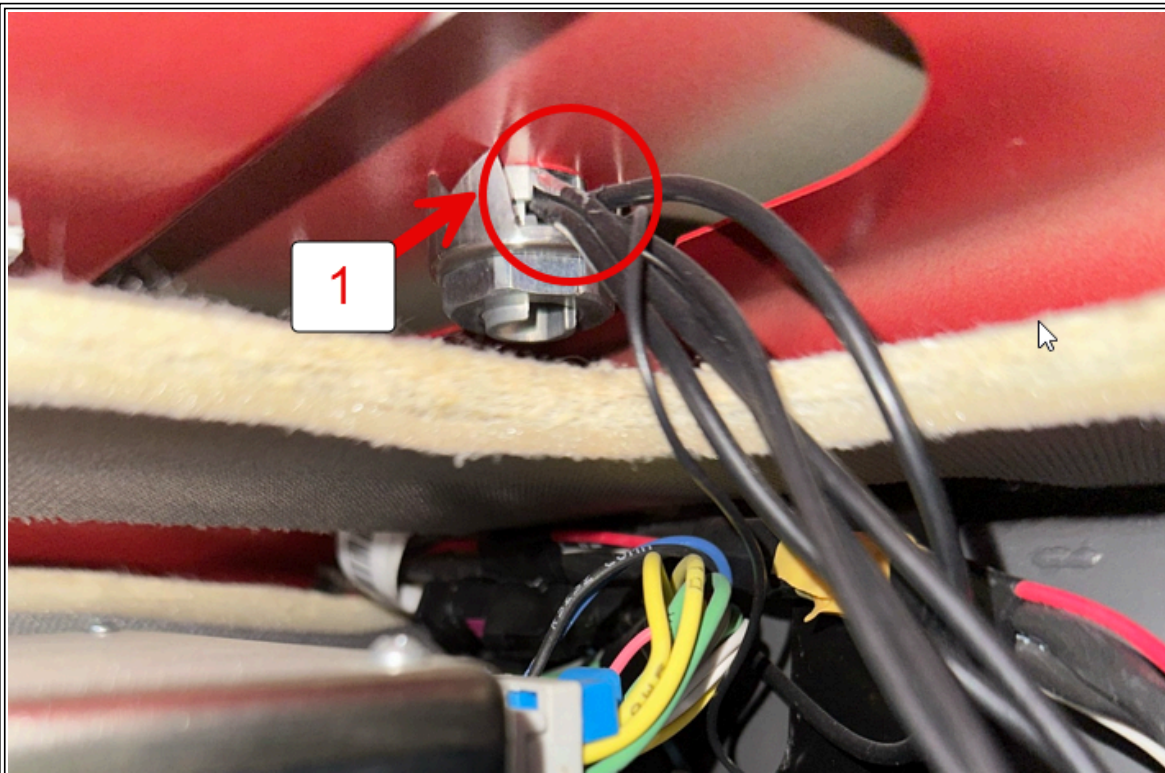


Figure 1: Underside of Shark Fin Antenna

Item 1: Location of Rub



Figure 2: Damaged Antenna Cables



Figure 3: Cables Protected with Friction Tape

REPAIR STEP(s)

Refer to the diagnostic steps section above.

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](#)

 Hide Details

Feedback Information

Viewed: 40

Helpful: 0

Not Helpful: 0

No Feedback Found