



96-21-01 Front Lane Assist Not Available with Dynamic Road Sign Error Displayed in MFI

Release date: 10/18/2021

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas Cross Sport	2020	All	All	CA_LC204090	CA_LC232874
Atlas Cross Sport	2021	All	All	CA_MC500088	CA_MC559123
Atlas	2021	All	All	CA_MC500088	CA_MC559123

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2064877/1	10/18/21	96-21-01	Original publication.

The following fault code may be stored in the (A5) Front sensor For Driver Assistance System (MFK3):

DTC	Description
B2F0100	Development code 1



Note:

DO NOT diagnose or replace components due to **B11CE15 Window defogger for front sensor system open circuit /short to B+** faults **before** performing the update function as explained in this bulletin.

Technical Background

Driver Assistance Systems Front Camera –**R242**- is setting fault **B2F0100** due to sporadic startup error of the camera software which leads to the customer reporting the following error messages on their MFI: **LANE ASSIST NOT AVAILABLE, DYNAMIC ROAD SIGN ERROR MESSAGE, ACC NOT AVAILABLE.**

Production Solution

Improved software (1202) in production starting January 14, 2021.



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Service

Update-Programming Procedure:

Critical Warning: : The Midtronics battery charger **must** be connected to the vehicle battery for the duration of the programming, to ensure the battery state of charge remains above 12.5 volts during the update process. If the battery drops below 12.5 volts, the programming could fail which may result in damage to the control module. Control modules damaged by inadequate voltage will not be covered under the warranty policy. The technician should verify the vehicle voltage prior to starting the update process, and should monitor the voltage for the duration of the update.

The procedure may cancel itself if the hazard warning lights are not switched ON. The hazard warning lights prevent the system from switching to bus sleep mode during the update.

ODIS-Service tester should be updated to the latest GFF technical version 7.2.1 or higher and SW version 2.43.0 or higher.



WARNING:

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

Keep hands and all objects away from Radiator Fan(s) during Update Process!



Note:

Prior to launching the ODIS Service diagnostic applications and starting control module update process, confirm tester screen saver and power settings in accordance with Diagnostic Device Hardware & Windows® - VHW-20-02 Change Power Options After Windows®10 Upgrade. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure. When using a VAS 6150/X or 6160/X tester in conjunction with a VAS 6154 wireless transmitter head for a flash procedure, connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure. VAS tools must only be used with their power adapters plugged in. Under no circumstances should they be used on battery power alone during the programming procedure.



Tip:

To Update-Programming using Software Version Management (SVM), **review and follow** instructions in **Technical Bulletin Instance 2014603** "Software Version Management".

The SVM process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

- Update the Driver Assistance Module (A5) -**R242**- using the SVM Unit code as listed in the table below:

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Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
Atlas	All	2Q0980653	1030	2Q0980653	1031	4746
Atlas Cross Sport	All	2Q0980653	1029/30	2Q0980653	1031	4746

**Tip:**

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.

The software update takes approximately an hour to complete once the update is initiated. Please make sure all the accessories are off and the battery charger is hooked up to maintain proper battery voltage.

- Please reactivate the Lane Assist function in the MFI/MIB menu and road test the vehicle to validate system operation.



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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Atlas Cross Sport	2020	All	All	CA_LC204090	CA_LC232874
Atlas Cross Sport	2021	All	All	CA_MC500088	CA_MC559123
Atlas	2021	All	All	CA_MC500088	CA_MC559123
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
9638	0039	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Atlas, Atlas CrossSport				WVO ²⁾
Labor Operation ³⁾ : Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾ : Update Programming Driver Assistance Control Module			96381999 = 130 TU		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 00 TU max.				NO
Road Test	01210004 = 10 TU				YES
Technical Diagnosis	01320000 = 00 TU max.				NO
Claim Comment: Input "As per Technical Bulletin 2064877" in comment section of Warranty Claim.					
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only. ²⁾ Code per warranty vendor code policy. ³⁾ Labor Time Units (TUs) are subject to change with ELSA updates. ⁴⁾ Documentation required per Warranty Policies and Procedures Manual.					



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Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	GRX3000VAS or MTRMSP0702 battery maintainer/charger
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and - ODIS Service with current online updates

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.