69-20-02 - Update Programming, DTC B101612 Stored

Release date: 1/25/2021

Condition

Applicable Vehicles

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2019-2021	All	All	CA_KC530794	CA_MC521445
Atlas Cross Sport	2020	All	All	CA_LC200001	CA_LC225415

Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2061220/4	1/25/21	69-20-02	To update service number in warranty table.
2061220/2	11/11/20	69-20-02	Administrative.
2061220/1	10/29/20	69-20-02	Original publication.

One or more of the following fault codes may be stored in the Airbag Control Module (0015) -*J234*- Fault Memory:

DTC	Description
B101612	Passenger airbag disabled light short to Vbat.

⚠️ **Note:**

DO NOT diagnose or replace components due to DTC B101612 faults **before** performing the update function as explained in this bulletin.

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Technical Background

Airbag icon illuminated in Instrument Cluster -**KX2**-.

Updated programming of the Airbag Control Module (0015) -**J234**- software is based on most recent engineering experiences and makes this knowledge available for the monitoring strategies.

Production Solution

Improved software in production since August 13, 2020.

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 2.40.15 or higher and SW version 6.2.0. or higher.

⚠️ **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.

ℹ️ **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 Airbag Control Module (0015) -**J234**- using the SVM Unit code as listed in the table below:
- Go to diagnostic address 0015 – airbag: Perform GFF replacement control module test plan.

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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	3Q0959655DB	720	3Q0959655DB	721	4488
Atlas CrossSport	All	3Q0959655DB	720	3Q0959655DB	721	4488

Note:

If you have a "FAZIT" error perform component protection test plan for address word 0015.

Tip:

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software (0015).

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	2019-2021	All	All	CA_KC530794	CA_MC521445
Atlas CrossSport	2020	All	All	CA_LC200001	CA_LC225415

SAGA Coding			
Claim Type:	**Use applicable Claim Type [1]**		
Service Number:	**Damage Code**	**HST**	**Damage Location (Depends on Service No.)**
6953	0039	--	--
Parts Manufacturer	Atlas, Atlas CrossSport		WWO [2]
Labor Operation [3] : Charge Battery	27068950 = See Elsa for latest time units.		
Labor Operation [3] : Update Programming Airbag	69531999 = 65TU		

Control Module	
Causal Part: Select Labor Operation	69531999

Diagnostic Time [4]		
GFF Time expenditure	01500000 = 00 TU	NO
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2061220" 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.		

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.