



69-23-01TT – DTC B101C07

Release date: 10/5/2023

Condition

ATTENTION:**THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.****TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.****Applicable Vehicles**

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
ID.4	2023	All	All	All	All
Atlas, Atlas Cross Sport	2024	All	All	All	All

Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2071408/2	10/5/2023	69-23-01TT	Updated to include additional model.
2071408/1	8/31/2023	69-23-01TT	Original publication.

Technical Background

On model 2023 ID.4 and model year 2024 Atlas vehicles you may notice DTC B101C07 which can be caused by driving the vehicle five consecutive drive cycles (separated by a bus sleep) without fastening/unfastening the safety belt. The airbag warning lamp is NOT illuminated for this fault.

Service

Do not perform any repair unless the safety belt switch status will NOT change state.

For Airbag Control Unit (diagnostic address 0015), read MVB “MAS00025 - Driver Seat Belt Switch” (figure 1). You should see the status change between “connected” (figure 2) and “not connected” (figure 3) when fastening & unfastening the seat belt.



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Measured values selection

Selection	ID	Measured value
☐	MAS00013	Driver side seat belt tension igniter
☐	MAS00014	Front passenger side seat belt tension igniter
☐	MAS00016	Front passenger seat belt tensioner igniter 2
☐	MAS00020	Passenger side rear seat belt tensioner igniter
☐	MAS00021	Center rear seat belt tensioner igniter
☒	MAS00025	Driver seat belt switch
☐	MAS00031	Seat occupied recognition passenger side
☐	MAS00035	Seat position sensor, driver side
☐	MAS00036	Seat position sensor, front passenger side
☐	MAS00038	Seat occupied recognition, driver side, rear
☐	MAS00039	Seat occupied recognition, front passenger side, rear
☐	MAS00040	Seat occupied recognition, center, rear
☐	IDE00824	Seat belt switch 3rd row driver's side
☐	IDE00825	Passenger side 3rd row seat belt switch
☐	IDE00826	Seat belt switch 3rd row center
☐	IDE00821	Seat belt switch 2nd row driver's side
☐	IDE00823	Seat belt switch 2nd row center
☐	IDE00956	Occupation status, 1st passenger seat
☐	IDE03870	Seat occupied recognition malfunction status
☐	IDE06311	Left seat belt tensioner
☐	IDE06312	Right seat belt tensioner
☐	IDE06960	Seat occupant detection, mrmr. signal
☐	IDE06961	Seat occupant detection, driver's side

Filter: seat

Select all Deselect all

Ok Cancel

Figure 1

Measured values

Measured value name	ID	Value
Driver seat belt switch	MAS00025	
Status	MAS01632	connected
Resistance	MAS05030	

Search

Measured values selection Start update Update once Ok

Figure 2

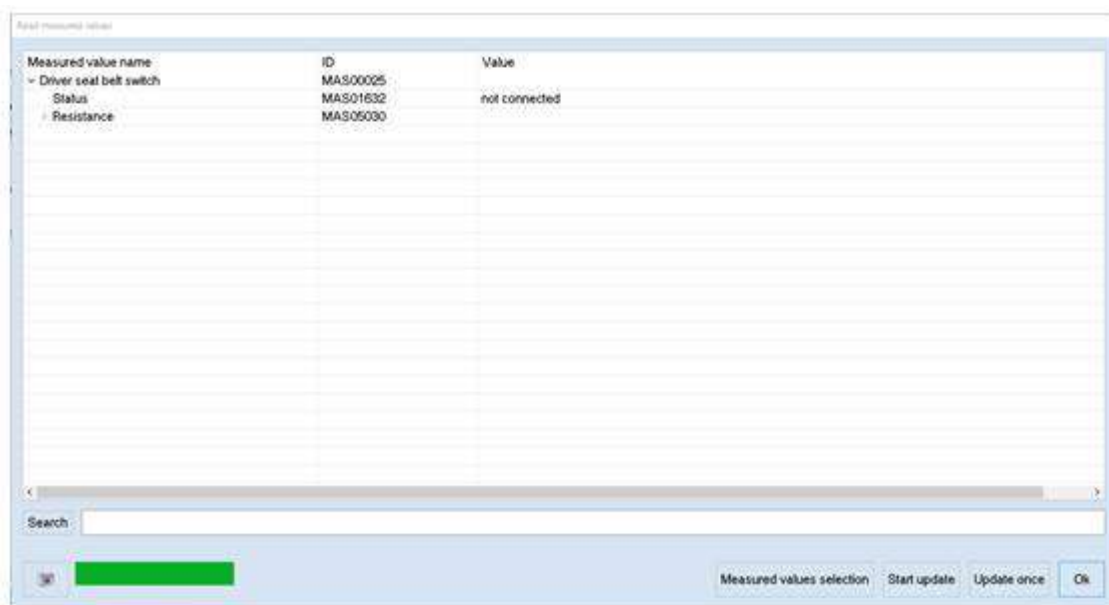


Figure 3

Additional Information

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