

Technical Service Bulletin (TSB)

Flash: Driver Assistant System Module (DASM) Updates

REFERENCE:	TSB: 08-294-25 GROUP: 08 - Electrical	Date:	September 4, 2025	REVISION:	08-060-24
VEHICLES AFFECTED:	2024 (GC) Alfa Romeo Tonale **This bulletin applies to vehicles equipped with Full Speed Fwd Collision Warn Plus (Sales Code LSU).**			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH NOTE: **This bulletin applies to North America market.**	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician must find the following Diagnostic Trouble Code (DTC) has been set:** ● C1409-97 - Radar Sensor Blind - Component Or System Operation Obstructed Or Blocked. In addition, the customer may also comment on the following: ● "ACC not available" message displayed on the Instrument Panel Cluster (IPC). ● "Highway Assist not available" message displayed on the IPC.** ● Highway Assist steering wheel vibration.				
CAUSE:	Module software updates.				

This bulletin supersedes Technical Service Bulletin (TSB) 08-060-24, date of issue February 28, 2024, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include a new sales code, updated Customer Symptom statement, new markets, new Market Applicability note, updated RSU statement, new LOPs, new Related LOPs table, updated Repair Procedure steps, and new Repair Procedure notes.

****This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 24-040, date of issue February 28, 2024. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. ****

REPAIR SUMMARY:

This bulletin involves inspecting and possibly updating the Driver Assist System Module (DASM), HALF module, and the IPC with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-17-AH	Reprogram Modules (0 - Introduction)	6 - Electrical and Body Systems	0.1 Hrs.
Failure Code	CC	Customer Concern	

NOTE: If a flash update is required, claim the Inspect and Reprogram Module(s) LOP (18-19-17-AH) plus the related LOP associated with the specific module(s) that required an update.

The dealer must use failure code CC with this Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM identified in the Technical Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

RELATED LOPS:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-17-50	Reprogram IPC Module (0 - Introduction)	6 - Electrical and Body Systems	2.0 Hrs.
**18-19-17-51	Reprogram HALF Module (0 - Introduction)	6 - Electrical and Body Systems	0.3 Hrs.
18-19-17-53	Reprogram ACC Module (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.**

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	-	-

REPAIR PROCEDURE:

WARNING!

- Before performing the software reprogramming, it is necessary to make the vehicle safe.
- When performing repairs that directly involve or imply possible contact with live high voltage components/systems, the technician must ensure that the power supply of the high-voltage system is disconnected throughout the operation.
- Only specifically trained technicians qualified to perform repairs on vehicles with high voltage systems under current national laws/regulations are authorized to work on the vehicle.
- Before performing any diagnostic repair work on the vehicle, carefully read and comply with the general instructions for working safely on hybrid/electric vehicles and use suitable general equipment and Personal Protective Equipment (PPE).

NOTE: ****Inspect for mud, dirt or any obstruction on the front radar/ fascia that could contribute to the condition. Clean the front fascia when necessary. Check for any aftermarket components would could influence or effect the radar function. Remove all aftermarket components where necessary.****

NOTE: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

CAUTION!

****Removal of the Brake Booster Vacuum Pump fuse is necessary for this Repair Procedure. Failure to remove the 30 Amp fuse may result in damage to the Brake Booster Vacuum Pump.****

1. Inspect the DASM software level.
2. Does the DASM have the latest software already installed?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Proceed to [Step 3](#).
3. ****Remove the 30 Amp fuse for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.****
4. Reprogram the DASM with the latest software. ****If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.****
5. Wait two minutes after the DASM programming has been completed before proceeding.
6. Is the vehicle equipped with a PHEV engine with a build date on or before August 08, 2023 (MDH 0828XX) or an ICE with a build date on or before December 07, 2023 (MDH 1207XX)?
 - YES>>> Proceed to [Step 7](#).
 - NO>>> Proceed to [Step 15](#).
7. Inspect the HALF module software level.
8. Does the HALF module have the latest software already installed?
 - YES>>> Proceed to [Step 11](#).
 - NO>>> Proceed to [Step 9](#).
9. Reprogram the HALF module with the latest software. ****If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.****
10. Wait two minutes after the HALF flash has been completed before proceeding.
11. Inspect the IPC software level.

12. Does the IPC have the latest software already installed?

- YES>>> Proceed to [Step 15](#).
- NO>>> Proceed to [Step 13](#).

13. Reprogram the IPC with the latest software. **If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.**

14. Wait two minutes after IPC flash has been completed before proceeding.

15. Cycle the ignition to the OFF position.

16. Allow the vehicle and modules to go to sleep for two minutes.

17. Cycle the ignition to the RUN position.

18. **Install the 30 Amp fuse for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.**

19. Using wiTECH, perform a "PROXI Alignment Procedure". This routine is available under the 'Vehicle Preparations' tab of wiTECH.

20. Clear any DTCs that may have been set in any modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

NOTE: **For SA market only, after applying this TSB, it is not necessary to send DID-I or DID-A.**

POLICY:

Reimbursable within the provisions of the warranty.

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.