

Technical Service Bulletin (TSB)

Flash: Drivetrain Control Module (DTCM) Updates

REFERENCE:	TSB: 21-037-24 GROUP: 21 - Transmission and Transfer Case	Date:	May 23, 2024	REVISION:	21-026-23
VEHICLES AFFECTED:	2024 (GC) Alfa Romeo Tonale This bulletin applies to vehicles equipped with a 9-SPD 948TE FWD/AWD Auto Trans (Sales Code DFH).			MARKET APPLICABILITY: ☒ NA☒ MEA ☒ SA☐ IAP ☒ EE☐ CH	
CUSTOMER SYMPTOM:	**The Technician may experience an Anti-Lock Brake Systems (ABS) code when requesting a Vehicle Scan Report (VSR): U1767-87 - Drivetrain Control Module Node (DTCM) Drivetrain1 Missing.** Customers may experience no difference switching between Auto Mode and Sport Mode in the All Wheel Drive (AWD) systems during high speed maneuvers or snowy/icy conditions.				
CAUSE:	DTCM software				

This bulletin supersedes Technical Service Bulletin (TSB) 21-026-23, date of issue September 02, 2023, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include a DTC, LOP, Caution and Repair Procedure steps.

REPAIR SUMMARY:

This bulletin involves reprogramming the DTCM with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-07-AP	Module, Drivetrain Control (DTCM) - Reprogram (0 - Introduction)	2 - Automatic Transmission	0.2 Hrs.
Failure Code	CC	Customer Concern	

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.

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 Diagnostic Trouble Codes (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 a symptom/condition or if the technician finds a DTC listed above, perform the repair procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

REPAIR PROCEDURE:

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 fuse F81 is necessary for this Repair Procedure. Failure to remove fuse F81 may result in damage to the Brake Booster Vacuum Pump.****

1. ****Remove the green 30 Amp fuse from cavity F81, for the Brake Booster Vacuum Pump from the Power Distribution Center (PDC) located in the engine compartment.****
2. Reprogram the DTCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
3. ****Install fuse to cavity F81.****
4. 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.

POLICY:

Reimbursable within the provisions of the warranty.

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