



NUMBER: 18-013-22

GROUP: 18 - Vehicle Performance

DATE: January 20, 2022

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SUBJECT:

Flash: Powertrain Control Module (PCM) Updates

OVERVIEW:

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

MODELS:

2021

(LX)

Chrysler 300

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, APAC, EMEA and LATAM.

NOTE: This bulletin applies to vehicles built on or before October 14, 2021 (MDH 1014XX), equipped with 3.6L V6 24V VVT Engine (Sales Code ERB) and an 8-SPD Auto 850RE or 8HP50 Trans (Sales Codes DFT or DFW).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs):

- U0101 - Lost Communication With TCM.
- U0102 - Lost Communication With Transfer Case Control Module / AWD.
- U0103 - Lost Communication With Electric Gear Shift Module.
- U0104 - Lost Communication With Cruise Control Module.
- U0125 - Lost Communication With Dynamics Sensor.
- U0128 - Lost Communication With Park Brake Control Module.
- U0129 - Lost Communication With Brake System Control Module 1.
- U0140 - Lost Communication With Body Control Module.
- U0141 - Lost Communication With Ipm (BCM).
- U0155 - Lost Communication With Cluster-CCN.
- U0159 - Lost Communication With Parking Assist Control Module.
- U017E - Lost Communication With Seatbelt Sensor 1.
- U0293 - Lost Communication With Hybrid Control Module.
- U0402 - Implausible Data Received From TCM.
- U0403 - Implausible Data Received From Tcase.
- U0405 - Invalid Data Received Cruise Control Module.
- U0416 - Implausible Data Received From ESP.
- U0418 - Implausible Data Received From Brake System Control Module 1.
- U0429 - Implausible Data Received From SCM.
- U0432 - Invalid Data Received From Multi-Axis Acceleration Sensor Module.
- U0594 - Implausible Data Received From HCP.
- U110A - Lost Communication With SCM-CAN-C.
- U1110 - Lost Vehicle Speed Message.
- U1120 - Lost Wheel Distance Message.

- U1141 - Lost ESP Torque Request Message.
- U1186 - Lost Communication With Adaptive Cruise Control Module.
- U11BC - Lost Brake Switch Message.
- U11C2 - Lost Transmission Message.
- U11DE - Lost Speed Control Message.
- U145D - Implausible Data Received From TCM On D-PT.

Customers may also experience one or more of the following:

- Loss of shifting and or fixed third gear operation.
- Loss of Anti-lock Brake System (ABS), Traction Control System (TCS) and cruise control.
- Loss of Engine Start/Stop (ESS).

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 the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

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.

1. Reprogram the PCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
2. 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.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-06-BW	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.3 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

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

- If the customer's concern matches the SYMPTOM/CONDITION 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.

CC	Customer Concern
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