

REFERENCE:	TSB: 08-222-24 GROUP: 08 - Electrical	Date:	October 11, 2024	REVISION:	08-061-20
VEHICLES AFFECTED:	<p>2019 - **2022** (D2) RAM 3500 Pickup 2019 - **2022** (DD) RAM 3500 Cab Chassis 2019 - **2022** (DP) RAM 4500/5500 Cab Chassis 2019 - **2022** (DX) RAM Truck (Mexico) This bulletin applies to vehicles equipped with Electronic Stability Control (Sales Code BNB).</p>	MARKET APPLICABILITY:			
		<input checked="" type="checkbox"/> NA	<input checked="" type="checkbox"/> MEA	<input checked="" type="checkbox"/> SA	<input type="checkbox"/> IAP
		<input type="checkbox"/> EE	<input type="checkbox"/> CH		
CUSTOMER SYMPTOM:	<p>**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs):**</p> <ul style="list-style-type: none"> **C2200-47 - Anti-Lock Brake Module Internal - Watchdog / Safety Auc Failure.** C006A-49 - Multi-Axis Acceleration Sensor - Internal Electronic Failure. <p>Customers may also comment on one or more of the following:</p> <ul style="list-style-type: none"> **Anti-lock Brake System (ABS) indicator light illuminated in the Instrument Panel Cluster (IPC). Electronic Stability Control (ESC) indicator light illuminated in the IPC. The Red Brake Warning indicator light illuminated in the IPC.** 				
CAUSE:	ABS software				

This bulletin supersedes Technical Service Bulletin (TSB) 08-061-20, date of issue June 03, 2020, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include additional model years, updated Customer Symptom statement, additional DTC, Customer Symptoms, updated LOP and Repair Procedure step.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-10-AN	Module, Anti-lock Brake System (ABS) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	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 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:

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. Is the Red Brake Warning indicator light illuminated in the IPC?
 - YES >>> Proceed to [Step 2](#).
 - NO >>> Proceed to [Step 5](#).
2. Cycle the ignition Off then On and confirm the Red Brake Warning indicator light stay illuminated, or turns off.
3. Did the Red Brake Warning indicator light remain On?
 - YES >>> **Perform normal diagnostics for the brake system before continuing with this Repair Procedure.** Refer to the detailed service procedures available in DealerCONNECT/Service Library.
 - NO >>> Proceed to [Step 4](#).
4. Reprogram the ABS with the latest available 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. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

NOTE: ● When performing the ABS Initialization Routine, the vehicle temperature must be above 10° C (50° F).

 - **If the ABS is not initialized, the ABS indicator will flash continuously.**
6. Using wiTECH, perform the "ABS Initialization Routine". This routine can be found under the ABS tab in "Miscellaneous Functions". To initialize the ABS Module and clear offsets, have the vehicle parked on level ground and the wheels pointing straight ahead and follow the directions on the scan tool.

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.