

SAFETY RECALL

NORTH AMERICA

ABS Module Configuration Mismatch



Reference: 75B / NHTSA 24V-653

FCA US LLC



RAM

Remedy available for

2019 and 2023-2024 (DT) RAM 1500 Pickup

Remedy not available for

2021-2022 (DT) RAM 1500 Pickup

Template Version 1.0

Revision

2

Edition

November 2024

Detail

Remedy now available for 2019 model year.

SYMPTOM DESCRIPTION

The Antilock Braking System (ABS) control module on about 1,167,590 of the above vehicles may experience a software malfunction that can disable the Electronic Stability Control (ESC) system. Failure of the ESC system when intervention is expected and/or relied upon can cause a vehicle crash without prior warning.

The condition above fails to conform to the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 571.126 S5.1.2 ESC Functionality requires that the ESC system "Is operational during all phases of driving including acceleration, coasting, and deceleration (including braking) [...]." Suspect vehicles may experience the ESC system being disabled when certain conditions are met.

SCOPE

NOTE: Some vehicles above may have been identified as not involved in this recall and therefore have been excluded from this recall.

IMPORTANT:

- Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery. Violation of this requirement by a dealer could result in a civil penalty of up to \$27,168 per vehicle.
 - Some of the involved vehicles may be in dealer used vehicle inventory. Dealers should complete this recall service on these vehicles before retail delivery.
 - Dealers should also perform this recall on vehicles in for service.
- Involved vehicles can be determined by using the VIP inquiry process.

REPAIR TO BE PERFORMED

Update the ABS module with the latest software.

ALTERNATE TRANSPORTATION

Dealers should proactively minimize customer inconvenience while the recall repair is being performed. Reference the Goodwill Alternate Transportation Guidelines warranty bulletin link within Recall Central on DealerCONNECT for options to support the customer while their vehicle is in service.

COMPLETION REPORTING / REIMBURSEMENT

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims paid will be used by FCA to record recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

Labor Description	Number	Hrs
Module, Anti-lock Brake (ABS) - Inspect s/w Level	18-75-B1-81	0.2
Module, Anti-lock Brake (ABS) - Inspect and Reprogram	18-75-B1-82	0.3

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

PARTS INFORMATION

No parts are required to perform this service procedure.

PARTS RETURN

No parts return required for this campaign.

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SPECIAL TOOLS

Number	Description
NPN	wiTECH MicroPod II / MDP
NPN	Laptop Computer
NPN	wiTECH Software

DEALER NOTIFICATION

To view this notification on DealerCONNECT, select "Global Recall System" on the Service tab, then click on the description of this notification.

OWNER NOTIFICATION / SERVICE SCHEDULING

All involved vehicle owners known to FCA are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

VEHICLE LISTS, GLOBAL RECALL SYSTEM, VIP AND DEALER FOLLOW UP

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name,

address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the "**Service**" tab and then click on "**Global Recall System**." Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

Dealers must perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.

ADDITIONAL INFORMATION

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services / Field Operations
FCA US LLC.

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SERVICE PROCEDURE

The wiTECH scan tool must be used to perform this Recall. The wiTECH software is required to be at the latest release level before performing this procedure. If the reprogramming flash for the ABS module is aborted or interrupted, repeat the procedure. The ABS module software must be at the latest software calibration level after completing this Recall.

1. Open the hood. Install a battery charger and verify that the charging rate provides 13.0 to 13.5 volts. Do not allow the charger to time out during the flash process. Set the battery charger timer (if so equipped) to continuous charge.

NOTE: Use an accurate stand-alone voltmeter. The battery charger volt meter may not be sufficiently accurate. Voltages outside of the specified range will cause an unsuccessful flash. If voltage reading is too high, apply an electrical load by activating the park or headlamps and/or HVAC blower motor to lower the voltage.

2. Connect the wiTECH MicroPod II or MDP to the vehicle data link connector.
3. Place the ignition in the **"RUN"** position.
4. Open the wiTECH 2.0 website.
5. Enter your **"User id"** and **"Password"** and your **"Dealer Code"**, then select **"Sign In"** at the bottom of the screen. Click **"Accept"**.
6. From the **"Vehicle Selection"** screen, select the vehicle to be updated.
7. From the **"Action Items"** screen, select the **"Topology"** tab.
8. From the **"Topology"** tab, select the **"ABS Module"** icon.
9. From the **"Flash"** tab, compare the **"Current Electronic Control Unit (ECU) Part Number"** with the **"New ECU Part Number"** listed.
 - If the **"Current ECU part Number"** is the same as the **"New Part Number"**, proceed to **Step 18**.
 - If the **"Current ECU part Number"** is NOT the same as the **"New Part Number"**, continue with **Step 10**.
10. From the ABS tab, select the flash part number. Read the flash special instructions page. Select **"OK"** to continue.
11. From the flash ECU agreement page, agree to terms by checking the box.
12. Select **"Flash ECU"** and then follow the wiTECH screen instructions to complete the flash.
13. Confirm the software is at the latest available calibration level.
14. Using wiTECH, perform **"ABS Initialization"** and **"Brake Pedal Calibration"** routines in ABS > Miscellaneous, then perform **"Assembly Check"** routine in Service Procedure > Miscellaneous Functions, and follow the screen prompts in each menu.

Strictly respect STELLANTIS Group safety, cleanliness, and environmental instructions for any vehicle service.

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15. Click "**View DTCs**", select "**Clear All DTCs**", click "**Continue**" and then click "**Close**".
 16. Place the ignition in the "**OFF**" position and then remove the wiTECH MicroPod II or MDP device from the vehicle.
 17. Remove the battery charger from the vehicle.
 18. Close the vehicle hood and return the vehicle to the customer.