



June 2021

Dealer Service Instructions for:

Safety Recall Y30 / NHTSA 21V-438 Trailer Reverse Steering Control Module

Remedy Available

2021 (DT) Ram 1500 Pickup

NOTE: This recall applies only to the above vehicles equipped with Trailer Reverse Steering Control (Sales Code XA1)

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. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The Trailer Reverse Steering Control Module (TRSCM) software on about 14,000 of the above vehicles does not meet Rear Visibility regulation FMVSS No. 111 S5.5.6 which requires that the rear visibility system default to the rearview image being visible, and meet the requirements of FMVSS No. 111 S5.5.1 (field of view) and S5.5.2 (image size) at the beginning of each backing event, regardless of any modifications to the field of view that the driver had previously selected. Suspect vehicles may not display the rear view image during a backing event. The vehicle operator will notice that the rearview image is not displayed if attempting to reference the image while backing and the Electronic Throttle Control warning indicator may be illuminated in the instrument panel cluster. If this warning is not heeded, backing without verifying it is safe to do so could lead to an increased risk of injury to people outside the vehicle.

Repair

Reset the Trailer Reverse Steering Control Module (TRSCM) then reprogram the TRSCM with the latest available software.

Parts Information

No parts are required to perform this service procedure.

Parts Return

No parts return required for this campaign.

Special Tools

The following special tools are required to perform this repair:

- NPN wiTECH MicroPod II
- NPN Laptop Computer
- NPN wiTECH Software

Service Procedure

NOTE: The TRSCM must be reset before performing this software update. Perform the following steps to reset the TRSCM first before proceeding with the software update.

1. Remove the two screws (1) along the bottom edge of the lower steering column opening cover then lower the cover (2) to gain access to the interior Power Distribution Center (PDC) (Figure 1).

CAUTION: Do not stress any wires while lowering the panel.

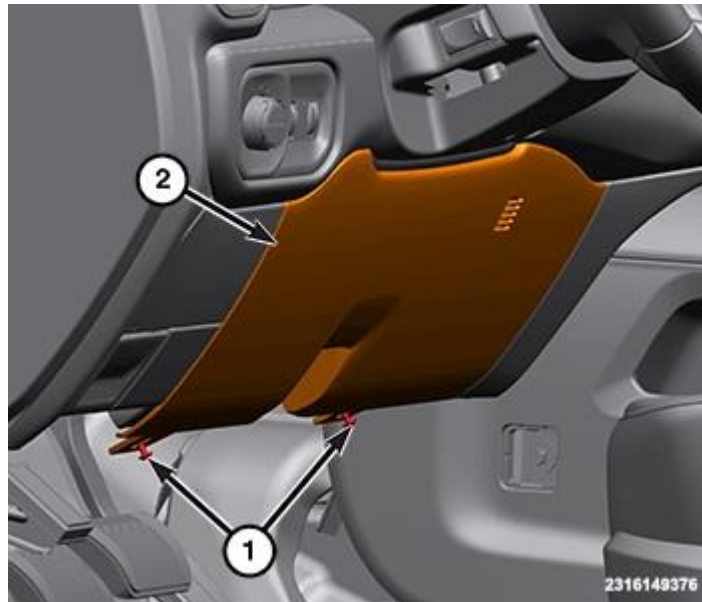


Figure 1 – Steering Column Opening Cover

2. To reset the TRSCM, remove and reinstall the TRSCM fuse 53 in the interior PDC, then cycle the ignition (Figure 2).

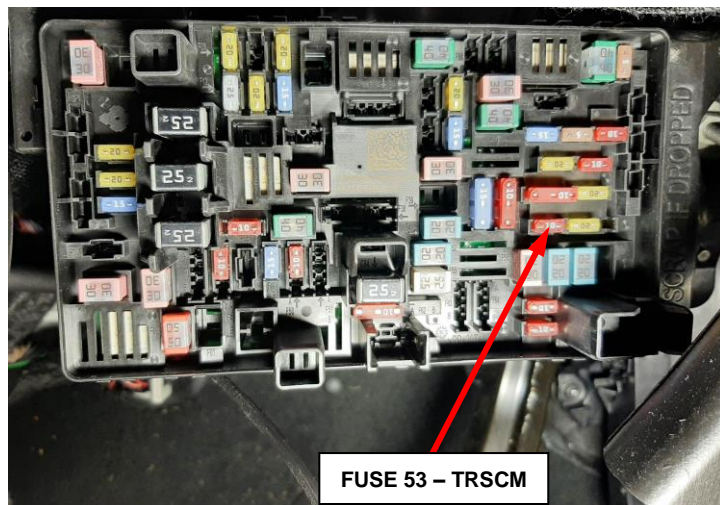


Figure 2 – TRSCM Fuse 53

3. Install the lower steering column cover (2) then install and tighten the two screws (1) (Figure 1).

Service Procedure [Continued]

NOTE: 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 TRSCM is aborted or interrupted, repeat the procedure. The TRSCM software must be at the latest software calibration level after completing this recall.

4. 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.

5. Connect the wiTECH micro pod II to the vehicle data link connector.
6. Place the ignition in the “**RUN**” position.
7. Open the wiTECH 2.0 website.
8. Enter your “**User id**” and “**Password**” and your “**Dealer Code**”, then select “**Sign In**” at the bottom of the screen. Click “**Accept**”.
9. From the “**Vehicle Selection**” screen, select the vehicle to be updated.
10. From the “**Action Items**” screen, select the “**Topology**” tab.
11. From the “**Topology**” tab, select the “**TRSCM**” icon.
12. 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 13**.

Service Procedure [Continued]

13. From the TRSCM tab, select the TRSCM flash part number. Read the flash special instructions page. Select “**OK**” to continue.

NOTE: When starting this ECU flash programming session, the progress bar may hang for about 2 minutes in the beginning and at the end of the flash process.

14. From the flash ECU agreement page, agree to terms by checking the box.
15. Select “**Flash ECU**” and then follow the wiTECH screen instructions to complete the flash.
16. Confirm the software is at the latest available calibration level.
17. Cycle the ignition to the “**OFF**” position then back to the “**RUN**” position before clearing any DTCs that may have been set in any module during the flash process.
18. Click “**View DTCs**”, select “**Clear All DTCs**”, click “**Continue**” and then click “**Close**”.
19. Place the ignition in the “**OFF**” position and then remove the wiTECH micro pod II device from the vehicle.
20. Remove the battery charger from the vehicle.
21. Close the engine compartment hood and return the vehicle to the customer or inventory.

Completion Reporting and 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 one of the following labor operation numbers and time allowances:

	Labor Operation Number	Time Allowance
Inspect TRSCM at latest software level	18-Y3-01-81	0.2 hours
Inspect/Reprogram TRSCM with latest Software level	18-Y3-01-82	0.4 hours

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

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 and 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