



NUMBER: 21-006-21

GROUP: 21 - Transmission and Transfer Case

DATE: February 13, 2021

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.

This bulletin supersedes Technical Service Bulletin (TSB) 21-003-20, date of issue January 15, 2020, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional symptom/conditions and LOP.**

SUBJECT:

Flash: Transmission Control Module (TCM) Updates

OVERVIEW:

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

MODELS:

| | | |
|------|------|---------------------------|
| 2019 | (DD) | RAM 3500 Cab Chassis |
| 2019 | (DP) | RAM 4500/5500 Cab Chassis |

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

NOTE: This bulletin applies to vehicles equipped with a 6.4L V8 Heavy Duty Hemi MDS Engine (Sales Code ESB) and a 6-SPD Automatic AISIN AS66RC HD Transmission (Sales Code DF3).

SYMPTOM/CONDITION:

The customer may experience one or more of the following:

- ****Poor shift quality.**
- **Shift or gear hunting.****
- The 6-4 and 5-3 shift may have a bump.
- Some 2-3, 3-4 and 4-5 shifts may "flare" when cold.
- Coastdown bump.

The following software enhancement is also available:

- Stored faults can only be cleared by a diagnostic scan tool, this software will allow the TCM to self clear.

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 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, 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 TCM 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 |
|---------------------|---|----------------------------|------------|
| **18-19-05-PP | Module, Transmission Control (TCM) - Reprogram (0 - Introduction) | 2 - Automatic Transmission | 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 Service Bulletin.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.

| | |
|----|------------------|
| CC | Customer Concern |
|----|------------------|