

Technical Service Bulletin (TSB)

Flash: Hybrid Control Processor (HCP) Updates

REFERENCE:	TSB: 08-025-23 GROUP 08 - Electrical	Date:	January 26, 2023	REVISION:	08-093-22 REV. B
VEHICLES AFFECTED:	2022 (DT) RAM 1500 Pickup This bulletin applies to vehicles built on or before September 28, 2022 (MDH 0928XX) equipped with a 5.7L V8 HEMI MDS VVT eTorque Engine (Sales Code EZL).			MARKET APPLICABILITY: ☒ NA☒ MEA ☒ SA☒ IAP ☒ EE☒ CH	
CUSTOMER SYMPTOM:	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) have been set: - P1C64 - Hybrid Perf Engine Speed Below Target During Autostart. - U0402 - Implausible Data Received From TCM. Customers may also comment on one or more of the following: - During an Engine Stop/Start (ESS) event, the autostart fails and the AutoPark engages. - Transmission is in Limp Mode.				
CAUSE:	HCP software				

This bulletin supersedes Technical Service Bulletin (TSB) 08-093-22 REV. B, date of issue December 02, 2022, which should be removed from your files. This is a complete revision and no asterisks have been used to highlight revisions.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-093, date of issue May 13, 2022. All applicable UnSold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves updating the HCP with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-86-93	Processor, Hybrid Control (HCP/AHCP) - Inspect Software Level Only (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-86-AH	Processor, Hybrid Control (HCP/AHCP) - Inspect and Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
Failure Code	RF	Required Flash - RSU	

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code “RF” (Required Flash) can no longer be used on Technical Service Bulletin flashes. **The “RF” failure code must be used on an RSU.**
- 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 must be supplied.

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 a customer’s VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition or DTC, perform the repair.

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 vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Does the HCP control module have the latest software already installed?
 - YES>>> This bulletin has been completed. Use inspect LOP (18-19-86-93) to close the active RSU.
 - NO>>> Proceed to [Step 3](#).
3. Reprogram the HCP and AHCP with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application’s “HELP” tab.
4. 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.

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