

Technical Service Bulletin (TSB)

Flash: Integrated Dual Charging Module (IDCM) Updates

REFERENCE:	TSB: 08-004-25 REV. A GROUP: 08 - Electrical	Date:	August 7, 2025	REVISION:	08-004-25
VEHICLES AFFECTED:	2024 (JL) Jeep Wrangler This bulletin applies to vehicles built on or before **December 31, 2024 (MDH 1231XX)** equipped with 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX).			MARKET APPLICABILITY: ☒ NA☒ IAP ☒ EE☐ MEA ☐ SA☒ **CH** NOTE: **This bulletin applies to North America, Enlarged Europe, India & Asia Pacific and China markets.**	
CUSTOMER SYMPTOM:	**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC): - B23AF-73 - OBCM Fault - Actuator Stuck Closed.** Customers may**also** experience one or more of the following: **Red charging light blinks on the Instrument Panel Cluster (IPC).** - Vehicle will not start and needs to be jump started as 12v battery drained. - Vehicle will not charge.				
CAUSE:	IDCM software				

This bulletin supersedes Technical Service Bulletin (TSB) 08-004-25, date of issue January 11, 2025, which should be removed from your files. All revisions are highlighted with ****asterisks**** and include new DTC, Customer Symptom, Market, Market Applicability note, an updated Customer Symptom statement, new LOPs and updated Repair Procedure steps.

Changes not highlighted by ****asterisks**** include the removal of a build date.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-002, date of issue January 11, 2025. All applicable 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.

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**18-90-16-9J	Module, Integrated Dual Charging Module (IDCM) - Inspect (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-90-16-9K	Module, Integrated Dual Charging Module (IDCM) - Inspect and Reprogram, Includes HV Battery Contactor Routine (0 - Introduction)	6 - Electrical and Body Systems	0.4 Hrs.**
Failure Code	RF	Required Flash	
	CC	Customer Concern	

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 any of the symptom listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	—	—

REPAIR PROCEDURE:

WARNING!

- Before performing the software reprogramming, it is necessary to make the vehicle safe.
- When performing repairs that directly involve or imply possible contact with live high voltage components/systems, the technician must ensure that the power supply of the high-voltage system is disconnected throughout the operation.
- Only specifically trained technicians qualified to perform repairs on vehicles with high voltage systems under current national laws/regulations are authorized to work on the vehicle.
- Before performing any diagnostic repair work on the vehicle, carefully read and comply with the general instructions for working safely on hybrid/electric vehicles and use suitable general equipment and Personal Protective Equipment (PPE).

NOTE: Install a battery charger to maintain a 12 volt system voltage.

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. Is the IDCM already updated to the latest software?
 - YES>>> This bulletin does not apply. Use Inspection LOP **(18-90-16-9J)**.
 - NO>>> Proceed to [Step 3](#).
3. Disable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Disable HV Battery Contactors --> then follow the wiTECH prompts.
4. Use wiTECH to confirm that the contactors are open and waiting five minutes. If the contactors do not open turn the ignition on then off. Once successful a note will appear on the wiTECH screen indicating the contactors are open.
5. Reprogram the IDCM with the latest 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.
6. 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.
7. Enable HV Battery Contactors using wiTECH - Go to the Misc Functions tab --> Select Enable HV Battery Contactors For Service--> then follow the wiTECH prompts.
8. Verify the vehicle will charge.
9. Does the vehicle charge properly after the software flash?
 - YES>>> This bulletin has been completed. No further action is required.
 - NO>>>The IDCM will need to be replaced under normal warranty. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info>08 - Electrical / 8E - Electronic Control Modules / Module, Integrated Dual Charging (IDCM) / Removal and Installation.

NOTE: The new IDCM will not have to be programmed, it will already have the latest software installed.

POLICY:

Reimbursable within the provisions of the warranty.

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