



**NUMBER:** 08-176-21

**GROUP:** 08 - Electrical

**DATE:** November 18, 2021

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**SUBJECT:**

Flash: Radio Frequency Hub Module (RFHM) Updates

**OVERVIEW:**

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

**MODELS:**

2020	(LA)	Dodge Challenger
2020	(LD)	Dodge Charger

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

**NOTE:** This bulletin applies to vehicles equipped with:

- 6.2L V8 Supercharged Engine (Sales Code ESD).
- 6.2L SRT Hemi SMPI V8 Engine (Sales Code ESH).
- 6.4L SRT Hemi Smpi V8 Engine (Sales Code ESG).
- 6.4L V8 HP MDS VVT Engine (Sales Code ESJ).

**SYMPTOM/CONDITION:**

The customer may describe that they heard about these vehicles that can be unlawfully driven away by thieves when they are able to program new key fobs through the RFHM.

Software enhancement include:

- Update to the RFHM software to prevent hackers from programming their own key fob to the vehicle.
- This will deter any unwanted drive off of the vehicle without the customers knowledge.

**WARNING!** Performing this RFHM update will prevent additional key fob programming and this must be communicated to the customer before performing this RFHM update. If additional keys are required by the customer after this RFHM update is performed the replacement of the RFHM is required and must be at a previous SW level.

**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 above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer requests the anti-theft enhancement, 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 RFHM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application' "HELP" tab.
2. 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.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-12-9W	Module, Radio Frequency Hub (RFHM) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.

**NOTE: The expected completion time for the flash download portion of this procedure is approximately 3 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
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