



NUMBER: 08-072-22

GROUP: 08 - Electrical

DATE: March 31, 2022

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This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-065, date of issue March 31, 2022. All applicable Sold and Un-Sold 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.

SUBJECT:

Race Cool Down Feature Inoperative

OVERVIEW:

This bulletin involves installing a hood latch, adding a hood latch switch jumper harness and a Body Control Module (BCM) Reconfiguration.

MODELS:

2021 (DT) RAM 1500 Pickup

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

NOTE: This bulletin applies to vehicles built on or after July 27, 2020 (MDH 0727XX) and built on or before September 11, 2021 (MDH 0911XX) equipped with a 6.2L Supercharged HEMI V8 SRT Engine (Sales Code ESD) and WITHOUT Remote Start System (Sales Code XBM).

SYMPTOM/CONDITION:

Customers may experience:

- The "Race Cool Down" feature does not work.

NOTE: One of the inputs the vehicle looks at for this feature to work properly, is the hood closed status. If the vehicle was built without remote start, the hood latch will not have a close switch in the latch. No Diagnostic Trouble Codes (DTCs) will set for this issue.

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. **This RSU is only for vehicles on the RSU VIN list.**

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68593342AA	Wire Harness, Jumper Kit
1 (AR)	68159725AB	Latch, Hood with Switch

REPAIR PROCEDURE:

1. Replace the hood latch switch. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 23 - Body / Hood / Latch, Hood / Removal and Installation.
2. Remove the left front tire and splash shield to gain easy excess to main harness connector XY110A (Fig. 1) .

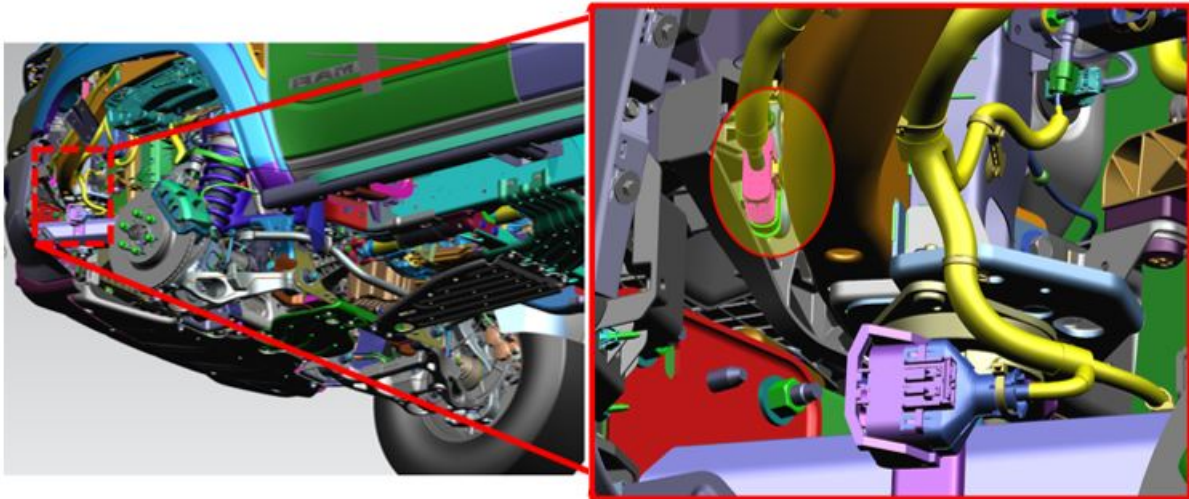


Fig. 1

Location of Connector XY100A

3. Remove the left front tire. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 22 - Tires and Wheels / Removal.
4. Remove the left front splash shield. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 23 - Body / Exterior / Shield, Splash, Front Wheelhouse / Removal.

5. Secure the jumper harness to the headlamp harness using Tesa tape (51036) or equivalent. Install a wire harness clip next to the latch (Fig. 2).

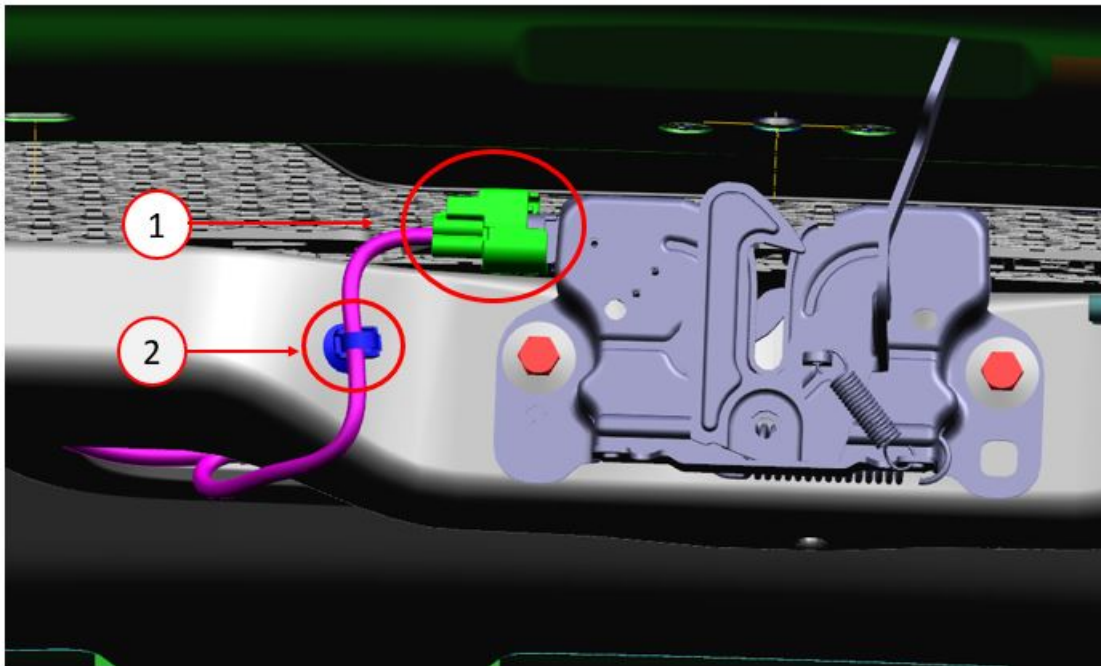


Fig. 2
Hood Latch and Harness

- 1 - Latch Connector
- 2 - Wire Harness Clip

6. Pass the wire underneath the cross member to continue attaching it behind the cross member.

NOTE: If the three Xmas tree clips are missing in figure (Fig. 3) call out number one, use the three new clips in the jumper harness kit to attach the jumper harness.

7. Add a tie straps to hold the jumper harness to the main harness next to the existing Xmas tree clips (Fig. 2).

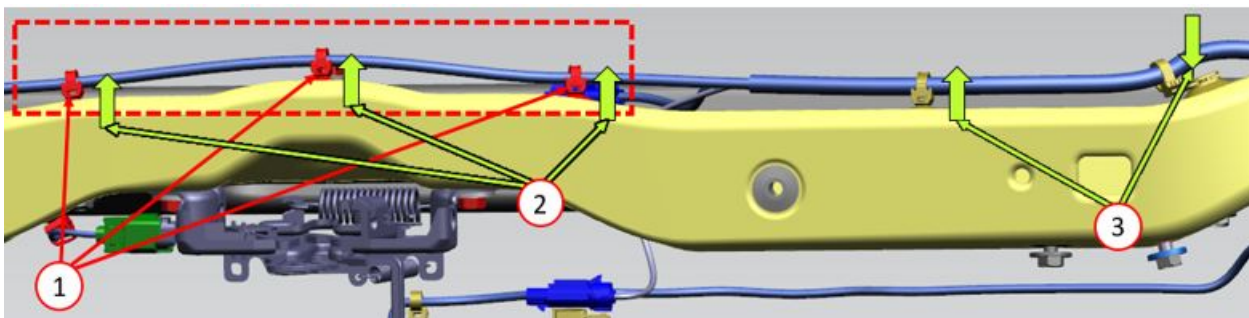


Fig. 3
Back View of Crossmember

- 1 - Existing Main Harness Xmas Tree clips
- 2 - Location for New Tie Strap
- 3 - Location for New Tie Strap

8. Add tie strap to hold jumper harness to main harness and run the jumper harness behind the radiator support (Fig. 4) .

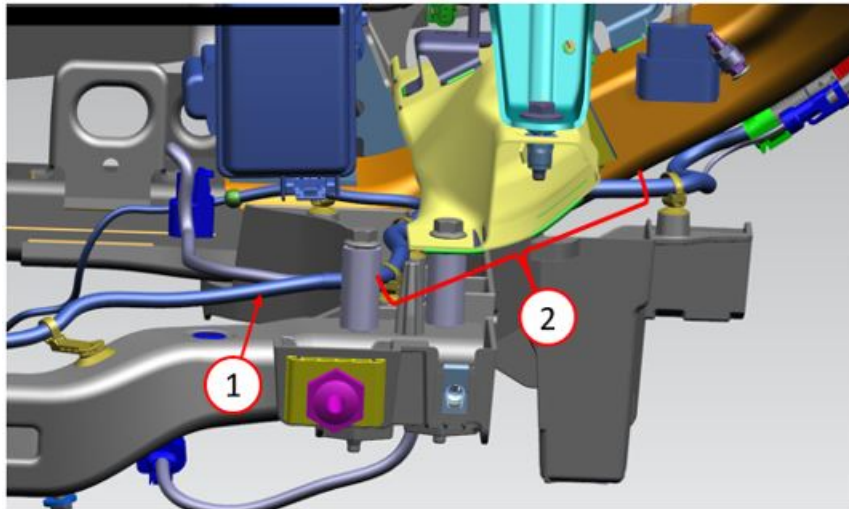


Fig. 4
Run Harness Behind Radiator Support

- 1 - Location for New Tie Strap on Main Harness
2 - Run Jumper Harness Behind Radiator Support
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9. Carefully unclip both connections from cross member and insert the loose pins from the jumper harness in to connector XY100A (Fig. 5) .

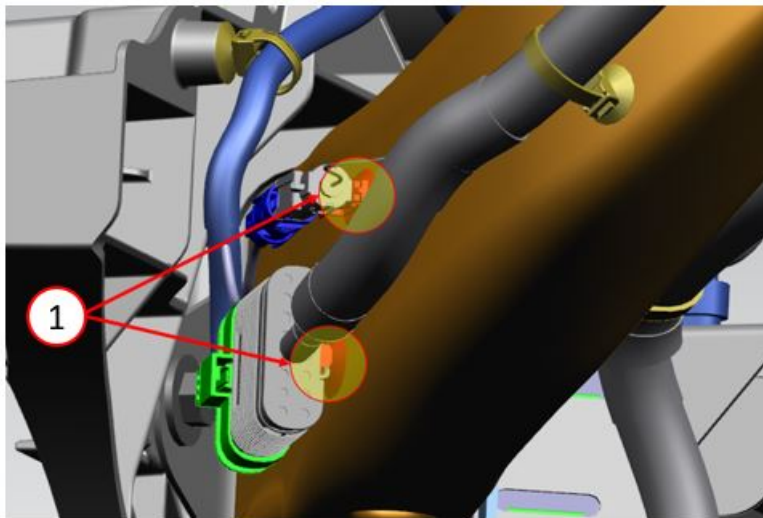


Fig. 5
Connector Clip/Retainer Location

- 1 - Connector Clips
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10. Remove the two cavity plugs from cavity 12 and 13, connector XY110A (Fig. 6) .

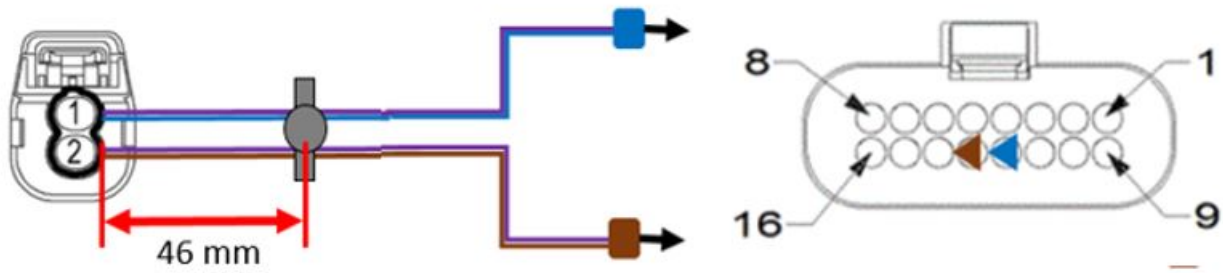


Fig. 6
Connector Cavity Location

11. Insert the circuit from cavity one of the hood latch connector and put that circuit in cavity 12 of connector XY110A.
12. Insert the circuit from cavity two of the hood latch connector and put that circuit in cavity 13 of connector XY110A.
13. Add additional tie straps to the properly secure the jumper harness to the main harness.
14. Reattach both connector clips to the cross member.
15. Install the left front splash shield. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 23 - Body / Exterior / Shield, Splash, Front Wheelhouse / Installation.
16. Install the left front tire. Refer to the detailed procedures available in DealerCONNECT > Service Library> under: 22 - Tires and Wheels / Installation.
17. Using wiTECH go into Guided Diagnostics and perform the “Restore Vehicle Configuration” routine.
18. Clear all DTCs that may have been set in any module during this repair procedure.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-20-25-97	Install Hood Latch w/ switch, Overlay Harness Kit, and Perform Restore Vehicle Configuration (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.1 Hrs.

FAILURE CODE:

ZZ	Service Action
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