



NUMBER: 08-095-20

GROUP: 08 - Electrical

DATE: October 10, 2020

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This Service Bulletin is also being released as Rapid Response Transmittal (RRT) 20-073, dated October 10, 2020. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT 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.

SUBJECT:

Starter Solenoid Electrical Connection Interference

OVERVIEW:

This bulletin involves inspecting and if necessary repairing the positive starter solenoid cable at the starter motor.

MODELS:

2020 (B1) Jeep Renegade

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

NOTE: This bulletin applies to vehicles built on or after July 24, 2020 (MDH 0724XX) and on or before July 27, 2020 (MDH 0727XX) equipped with 1.8L I4 E-Torque Engine E100 (Sales Code EBF).

SYMPTOM/CONDITION:

Customers may experience one of the following:

- Difficulty in starting the vehicle.
- No crank, when trying to start vehicle.

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 RRT VIN list, perform the Inspection procedure.

Inspection With Borescope

Route the borescope down to the starter solenoid connection.

Is the stater solenoid cable interfering with the starter?

- YES>>> Cable is interfering with the starter motor solenoid (Fig. 1) . Proceed to [Step 1](#) of the Repair Procedure.



Fig. 1

Not OK Cable is Interfering with Starter Motor

- NO>>> There is a gap between cable and starter motor solenoid (Fig. 2) . This bulletin has been completed, use inspect LOP (08-90-23-90) to close the active RRT.



Fig. 2

OK Cable is not Interfering with Starter Motor

Inspection Without Borescope

1. Remove the clean air pipe and vent pipe.
2. Disconnect the gas return piping, disconnect connections: HCSS resistance and throttle body connections.
3. Remove throttle body. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>09 - Engine, 1.8L / Engine - 1.8L.
4. Using a flashlight, view down between the throttle body area and Intake manifold.

Look for contact with the starter cable to the starter (Fig. 3) .

Is there visual contact with the starter and cable (Fig. 3) ?



Fig. 3

Starter Cable is Making Contact with the Starter Motor

- YES>>> Proceed to [Step 1](#) of the Repair Procedure..
- NO>>> This bulletin has been completed, use inspect LOP (08-90-23-90) to close the active RRT.

REPAIR PROCEDURE:

1. Disconnect and isolate the negative battery cable.
2. Remove the Intake manifold. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>09 - Engine, 1.8L / Engine - 1.8L.
3. Remove the starter motor positive cable from the starter ([Fig. 4](#)) .
 - Press the tip with universal pliers to untangle the terminal ([Fig. 4](#)) .
 - Wrap electrical tape over all the heat sink ([Fig. 4](#)) .



Fig. 4

Wrap the Cable with Electrical Tape

4. Check the anti rotation tab on the starter. Verify the tab is not bent outward (Fig. 5) .
If the tab is bent outward.



Fig. 5
Tab is Bent Outward

- On the starter, reposition the anti-rotation tab (Fig. 6) , Orient and tighten the cable and nut at the starter solenoid to 8 N·m (71 in lbs).



Fig. 6
Bend Tab Inward

5. This is the correct position of the positive cable on the starter after the repair is completed (Fig. 7) .



Fig. 7
Correct Cable Positioning

6. Install the Intake manifold. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>09 - Engine, 1.8L / Engine - 1.8L.
7. Install the throttle body assembly. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>09 - Engine, 1.8L / Engine - 1.8L.
8. Connect the negative battery cable.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-90-23-90	Starter Positive Cable at Solenoid - Inspect (2 - Skilled)	6 - Electrical and Body Systems	0.3 Hrs.
08-90-23-91	Starter Positive Cable at Solenoid - Inspect and Repair (2 - Skilled)	6 - Electrical and Body Systems	1.1 Hrs.

FAILURE CODE:

ZZ	Service Action
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