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GROUP: 08 - Electrical

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THIS BULLETIN SUPERSEDES SERVICE BULLETIN 08-059-18, DATED MAY 02, 2018, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE ADDITIONAL MARKETS.**

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 18-055. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Water Intrusion at Electronic Limited Slip Differential (ELSD) Connectors

OVERVIEW:

This bulletin involves inspecting the ELSD connections for water intrusion and/or corrosion and repairing the wiring harness.

MODELS:

2018 (WK) Jeep Grand Cherokee

NOTE: This bulletin applies to vehicles within the following markets/countries: NAFTA, **LATAM, EMEA and APAC.******

NOTE: This bulletin applies to vehicles built on or before January 19, 2018 (MDH 0119XX) equipped with a 6.2L Supercharged Hemi V8 SRT Engine (Sales Code ESD).

SYMPTOM/CONDITION:

Customers may experience the following lights illuminated in the Instrument cluster:

- Electronic Stability Control (ESC) light.
- Service 4WD light.

In addition, the customer may experience the following condition:

- Anti-lock Braking System (ABS) will function but the rear differential will only be allowed to be in the open state (no differential lock-up).

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, 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 repair. If any vehicle not on the VIN list exhibits the symptom/condition, perform the repair.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	J8126688AB	MOPAR Dielectric Grease - 2 oz tube
6 (AR)	68425656AA	Connector Terminal Dummy Plug
1 (AR)	05035575AA	Electronic Limited Slip Differential Jumper
1 (AR)	68335238AA	Connector Terminal Repair Kit

NOTE: Each MOPAR dielectric grease tube will service approximately 5 vehicles.

NOTE: The Repair Procedure has been broken down into three procedures, starting with Repair Procedure 1.

REPAIR PROCEDURE 1:

1. Raise the vehicle on hoist. Refer to the detailed service procedures available in DealerConnect> TechCONNECT under: Service Info> 04 - Vehicle Quick Reference> Hoisting> Standard Procedure.
2. Inspect the in-line connectors of both the Underbody harness and the ELSD jumper harness (Fig. 1) to ensure the dummy cavity plugs are present and they are correctly installed. Disconnect the connector and verify there is no corrosion or water present. Verify the cable seals are present and installed under-flush in both in-line connectors.



Fig. 1
ELSD Jumper Harness

3. Was any water or corrosion found?
 - YES>>> Proceed to [Step 1](#) of Repair Procedure 2.
 - NO>>> Proceed to [Step 4](#).
4. Replace dummy cavity plugs ([Fig. 2](#)) with MOPAR Part number 68425656AA of the ELSD jumper.



Fig. 2
Installing Dummy Cavity Plug

5. Apply dielectric grease (J8126688AB or equivalent) to each female terminal along with the face of the connector with female terminals.
6. Make the connection, and continue to reassemble the vehicle.
7. Lower the vehicle.
8. Clear all DTCs that may have been set. use inspection LOP (08-90-97-90) to close the active RRT.

REPAIR PROCEDURE 2:

1. Remove all water from connector. Spray connector with electrical contact cleaner (05018045AA or equivalent) to assist with the removal of any water and/or corrosion. Use a small, soft, plastic brush to gently clean the terminals.
2. Was corrosion of the terminals able to be cleaned and terminal cavities/pins undamaged?
 - YES>>> Proceed to [Step 3](#).
 - NO>>> A new ELSD jumper harness must be installed ([Fig. 3](#)) . Proceed to [Step 1](#) of Repair Procedure 3.



Fig. 3
Connector Terminal Repair Kit and ELSD Jumper Harness

3. Allow the contacts to dry.
4. Replace dummy cavity plugs (Fig. 4) with MOPAR Part number 68425656AA of the ELSD jumper.



Fig. 4
Installing Dummy Cavity Plug

5. Apply dielectric grease (J8126688AB or equivalent) to each female terminal along with the face of the connector with female terminals.
6. Make the connection, and continue to reassemble the vehicle.
7. Lower the vehicle.
8. Clear all DTCs that may have been set. Use LOP (08-90-97-91) to close the active RRT.

REPAIR PROCEDURE 3:

1. Install new ELSD jumper harness (P/N 05035575AA).
2. Was the underbody harness connector damaged or corrosion was unable to be removed?
 - YES>>> Proceed to [Step 3](#).
 - NO>>> Proceed to [Step 4](#).
3. Repair the connector with the underbody wiring harness connector repair kit (P/N 68335238AA) ([Fig. 3](#)) .
4. Apply dielectric grease (J8126688AB or equivalent) to each female terminal along with the face of the connector with female terminals.
5. Make the connection, and continue to reassemble the vehicle.
6. Lower the vehicle.
7. Clear all DTCs that may have been set. Use LOP (08-90-97-92) to close the active RRT.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
08-90-97-90	Electronic Limited Slip Differential Jumper Harness - Inspect and Re-Seal (2 - Skilled)	6 - Electrical and Body Systems	0.2 Hrs.
08-90-97-91	Electronic Limited Slip Differential Jumper Harness - Inspect, Clean Connectors, and Re-Seal (2 - Skilled)	6 - Electrical and Body Systems	0.4 Hrs.
08-90-97-92	Electronic Limited Slip Differential Jumper Harness - Inspect, Replace and Repair Connectors, and Re-Seal (2 - Skilled)	6 - Electrical and Body Systems	0.8 Hrs.

FAILURE CODE:

ZZ	Service Action
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PART REIMBURSEMENT DETAIL:

Part No:	Description
J8126688AB	MOPAR Dielectric Grease - 2 oz. tube

NOTE: This part number is for reimbursement only and will need to be claimed for 1/5 the value of MOPAR Dielectric Grease - 2 oz. tube for each vehicle repaired or it will be rejected. If this is a non-MOPAR part or product, a copy of the invoice showing the purchase of the non-MOPAR part or product needs to be attached to the reimbursement claim.