



September 2020

Dealer Service Instructions for:

Safety Recall W53

Steering Column Wiring Harness

Remedy Available

2019 - 2020 (JL) Jeep® Wrangler

NOTE: This campaign applies only to the above vehicles equipped with Electronic Steering Column Shaft Lock (sales code CXE) and Left Hand Drive (LHD).

NOTE: Some vehicles above may have been identified as not involved in this recall and therefore have been excluded from this recall.

IMPORTANT: Some of the involved vehicles may be in Dealer new vehicle inventory. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

Subject

The Electronic Steering Lock (ESL) wiring harness on about 31,000 of the above vehicles may come in contact with the steering column shaft while turning. This condition may cause wiring abrasion and over time may damage the wires. If certain wires become damaged, this may lead to loss of motive power and/or power steering assist. A loss of motive power or power assist may increase the risk of a crash without any prior warning.

Service Procedure

A. Inspect Steering Column Wiring Harness Procedure

1. Disconnect the negative battery cable, if equipped also disconnect the supplemental battery negative battery cable and the IBS electrical connector (Figure 1).

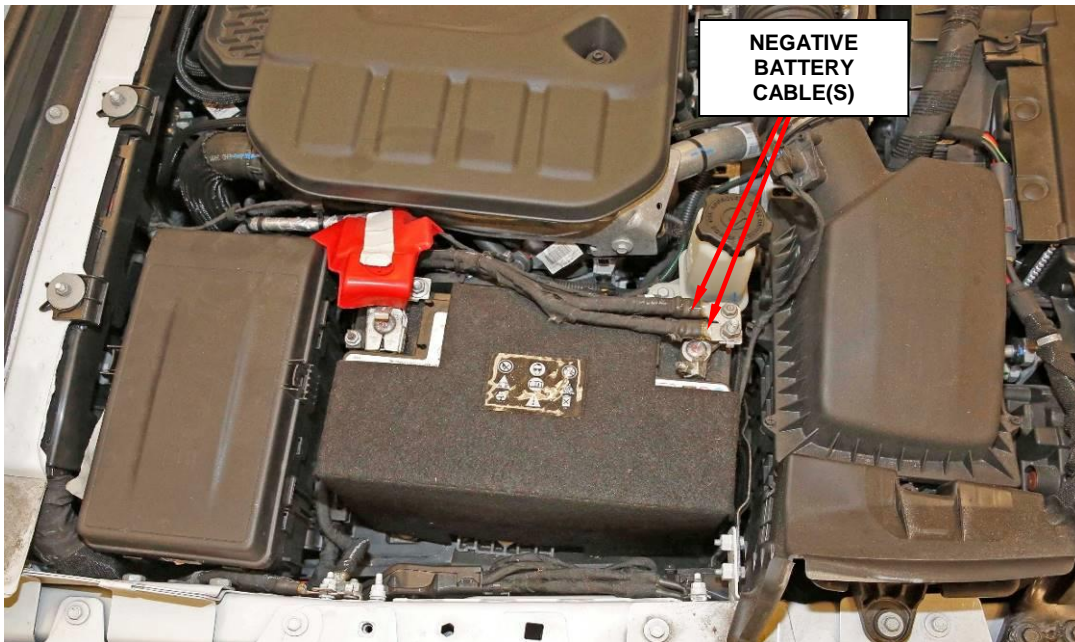


Figure 1- Battery Cable

2. Remove the steering column opening cover (Figure 2).



Figure 2 – Steering Column Opening Cover

Service Procedure [Continued]

3. Inspect the Electronic Steering Lock (ESL) module wiring harness (red dashed area) for any wire abrasion or damage (Figure 3).

NOTE: Very few vehicles are expected to require wire damage repair.

4. If **there is NO** wiring harness abrasion continue with step 6.
5. If **there is any** wiring harness abrasion on wire harness friction tape or insulation inspect for damaged wires then continue with step 10.

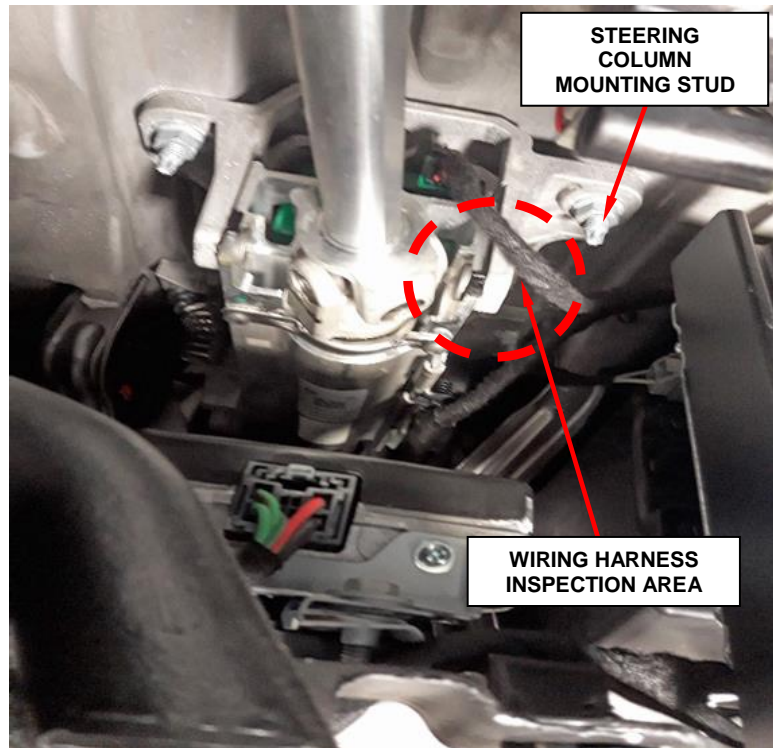


Figure 3 – Steering Column Shaft

6. Locate the steering column mounting stud (Figure 3).

7. Install the wiring harness tie strap onto the wire harness and then attach it to the stud (Figure 4).
8. Reinstall the steering column opening cover (Figure 2).
9. Return the vehicle to the customer.



Figure 4 – Tie Strap

Service Procedure [Continued]

- Using trim stick C-4755 or equivalent, remove the Integrated Center Stack (ICS) and upper instrument panel center trim from the instrument panel (Figure 5).



Figure 5 – Integrated Center Stack

- Remove the two lower gap hider screws.
- Using a trim stick or equivalent disengage gap hider retaining clips and remove (Figure 6).

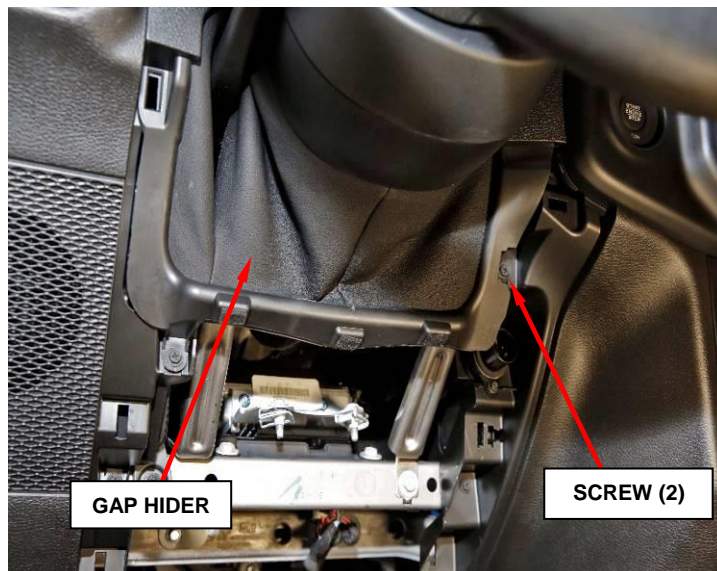


Figure 6 – Gap Hider

Service Procedure [Continued]

13. Remove the 4 Comfort Seat and Wheel Module (CSWM) and Power Inverter Module (PIM) fasteners and move aside (Figure 7).

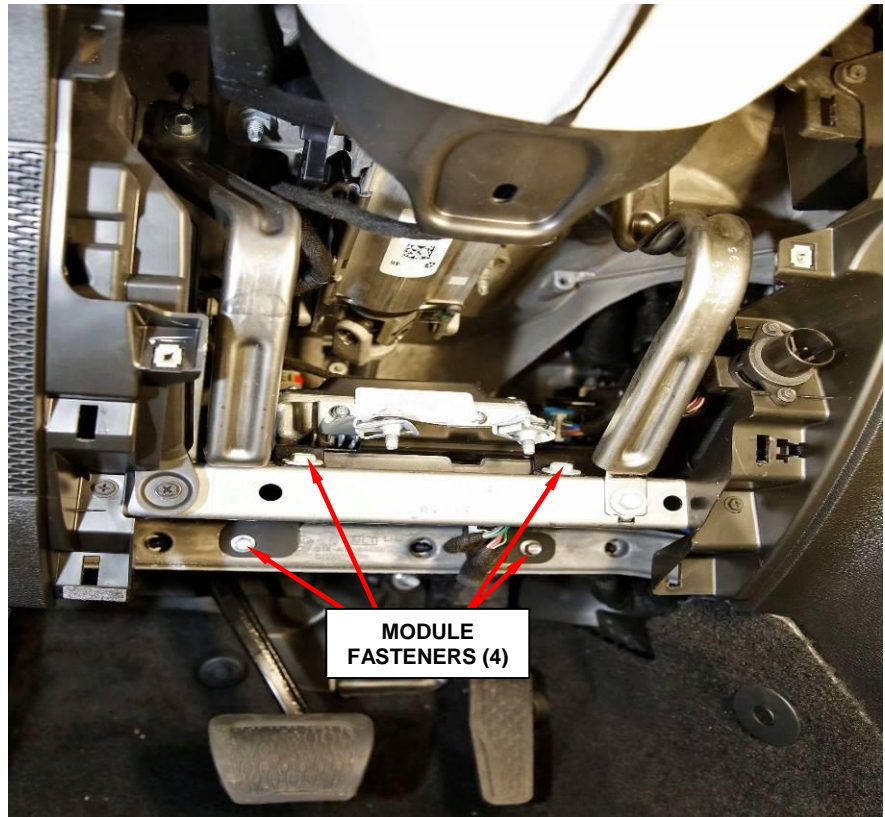


Figure 7 – Module Fasteners

14. Disconnect the electrical connector from the electronic steering lock module (Figure 8).

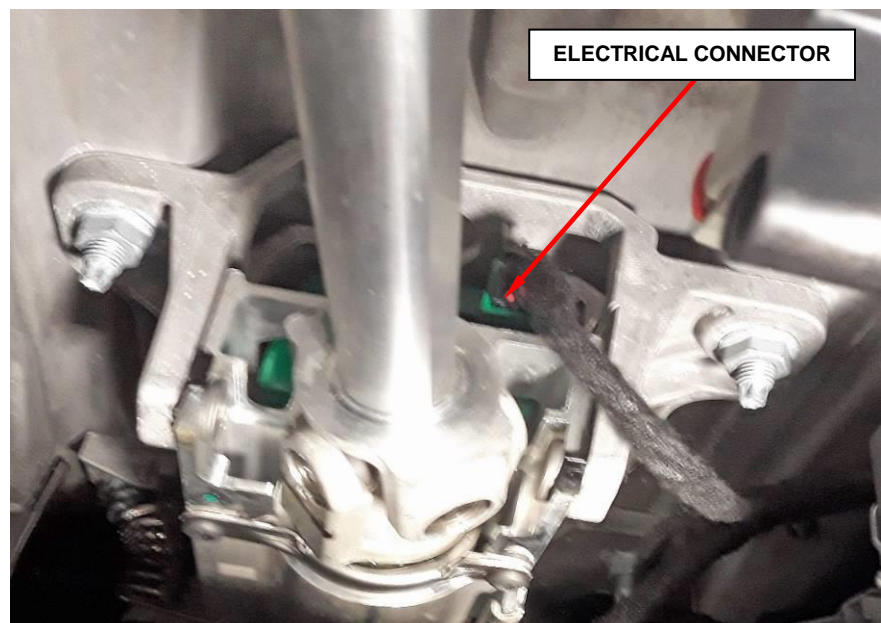


Figure 8 – Electronic Steering Lock Module

Service Procedure [Continued]

15. Allow wire to drape down and remove friction tape and repair the damaged wire/s using splice clip(s) and heat shrink (Figure 9).

16. Reconnect the electrical connector to the electronic steering lock module (Figure 8).

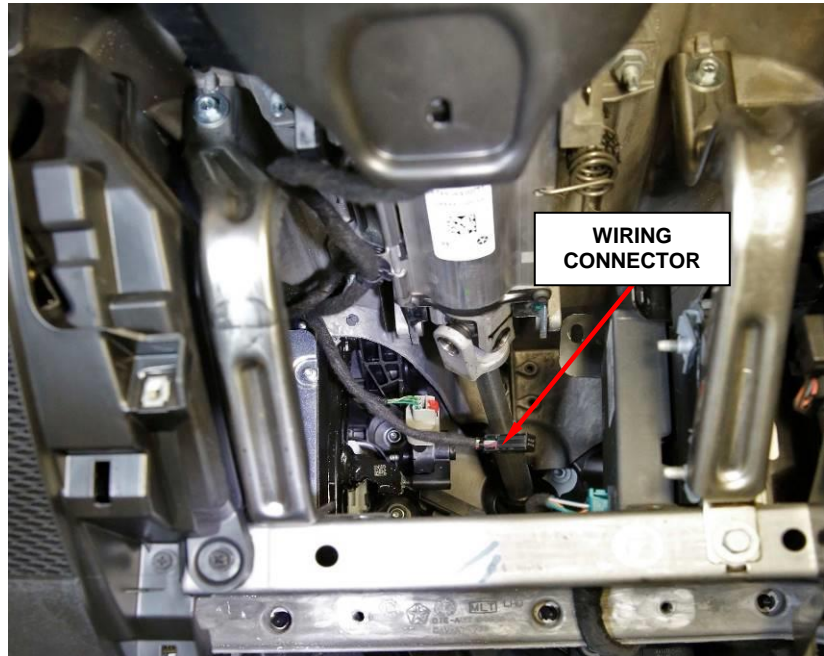


Figure 9 – ESL Module Connector

17. Install the wiring harness tie strap onto the wire harness and then attach it to the stud (Figure 10).

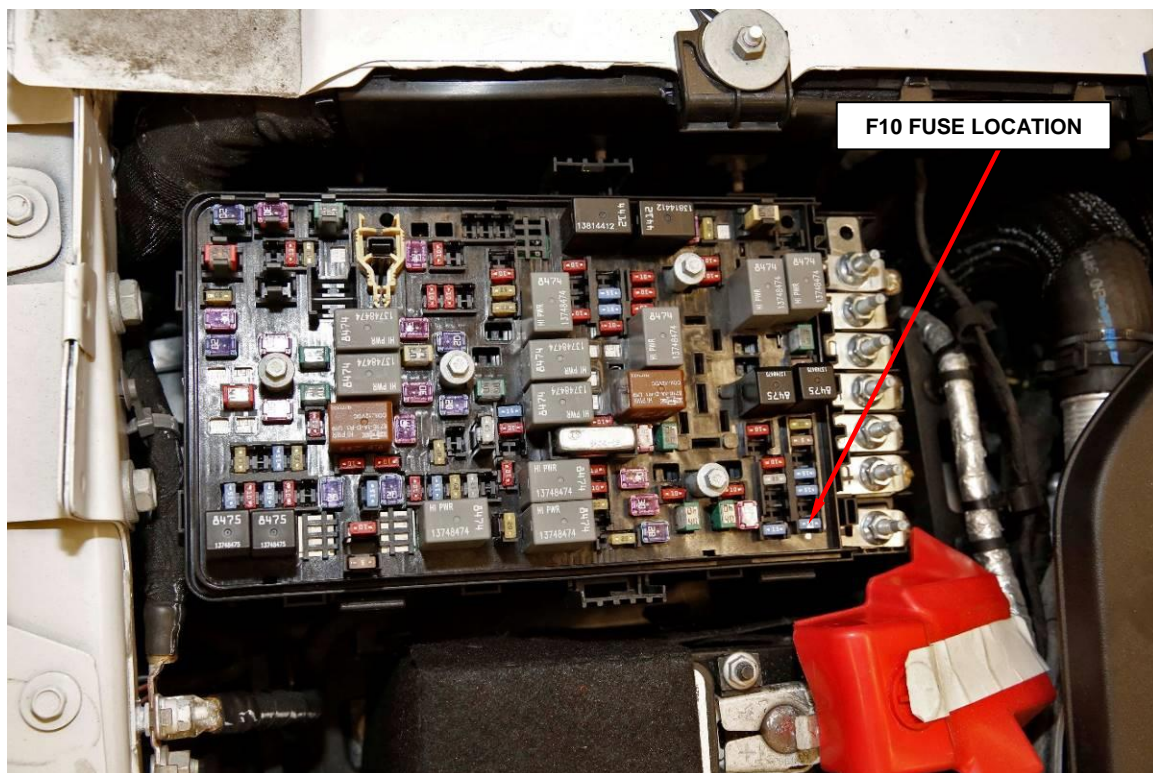
18. Pull on the tie strap tightly to secure wiring harness and cut the access off the strap.



Figure 10 – Tie Strap Installed

Service Procedure [Continued]

19. Reinstall the 4 Comfort Seat and Wheel Module (CSWM) and Power Inverter Module (PIM) fasteners and tighten securely (Figure 7).
20. Align the retaining clips and install the gap hider (Figure 6).
21. Install the two lower gap hider screws.
22. Align the retaining clips and install the Integrated Center Stack (ICS) instrument panel center trim on the instrument panel (Figure 5).
23. Reinstall the steering column opening cover (Figure 2).
24. Inspect F10 fuse in engine compartment fuse box, for blown fuse and replace if blown (Figure 11).

**Figure 11 – Fuse Box (Engine Compartment)**

Service Procedure [Continued]

- 25. Reconnect the negative battery cable, IBS and if equipped the negative supplemental negative battery cable (Figure 1).
- 26. Connect WiTech diagnostic tools and clear any faults that may be associated to the wire damage.
- 27. Close the hood and return the vehicle to the customer.

Completion Reporting and Reimbursement

Claims paid will be used by FCA US LLC to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

	Labor Operation	Time
	<u>Number</u>	<u>Allowance</u>
Inspect for wiring harness retainer	08-W5-31-81	0.2 hours
Inspect and install wiring harness retainer	08-W5-31-82	0.3 hours
Install wire harness retainer and repair 1-2 wire(s)	08-W5-31-83	0.7 hours
Install wire harness retainer and repair 3- 4 wire(s)	08-W5-31-84	0.8 hours

NOTE: See the FCA International Warranty Policy and Procedure Manual, Claim Entry Section – Recall Claims for claim processing instructions.

Owner Notification and Service Scheduling

All involved vehicle owners should be notified of the service requirement by their Dealer. Owners are requested to schedule appointments for this service. A sample copy of the owner notification letter is attached.

Vehicle Lists, Global Recall System, VIP and Distributor/Dealer Follow Up

All involved vehicles have been entered into the Global Recall System (GRS) and Vehicle Information Plus (VIP) for Dealer inquiry as needed.

GRS provides involved Dealers with an updated VIN list of their incomplete vehicles. Completed vehicles are removed from GRS within several days of repair claim submission.

Dealers must perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

IMPORTANT SAFETY RECALL

W53

This notice applies to your vehicle (VIN: xxxxxxxxxxxxxxxxx).

Dear Jeep® Wrangler Owner:

FCA US LLC has decided that a defect, which relates to motor vehicle safety, exists in certain **2019 through 2020 model year Jeep® Wrangler vehicles**.

The problem is... The Electronic Steering Lock (ESL) wiring harness on your vehicle may come in contact with the steering column shaft while turning. This condition may cause wiring abrasion and over time may damage the wires. If certain wires become damaged, it may lead to loss of motive power and/or power steering assist. **A loss of motive power or power assist may increase the risk of a crash without any prior warning**

What your dealer will do... **FCA will repair your vehicle free of charge (parts and labor).** To do this, your dealer will inspect the Electronic Steering Lock (ESL) wiring harness for any abrasion or damaged wires, repair wires if damaged and install a tie strap to secure the steering lock wire harness. The work will take about half hour to complete. However, additional time may be necessary if wiring repair is required.

What you must do to ensure your safety... Simply **contact your Chrysler, Jeep®, Dodge, or RAM dealer** right away to schedule a service appointment. Ask the dealer to hold the part for your vehicle or to order it before your appointment. **Please bring this letter with you to your dealer.**

If you need help... If you have trouble getting your vehicle serviced, please contact the dealer nearest your location. A representative will assist you in getting your vehicle serviced. This information can be found in the Customer Assistance section of your Owner's Manual.

We're sorry for any inconvenience, but we are sincerely concerned about your safety. Thank you for your attention to this important matter.

Global Service & Parts - International
FCA US LLC
Notification Code W53