

CUSTOMER SATISFACTION NOTIFICATION

NORTH AMERICA

Swing Gate Air Compressor



FCA US LLC

Reference: 29B



2023 (JL) Jeep Wrangler

Template Version 1.8

Revision	Edition	Detail
0	May 2024	Initial Version.

SYMPTOM DESCRIPTION

The Air Compressor mounted on the swing gate on about 71 of the above vehicles may be inoperative.

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

IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Dealers should complete this campaign service on these vehicles before retail delivery. Dealers should also perform this repair on vehicles in used vehicle inventory and those vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

REPAIR TO BE PERFORMED

Inspect swing gate wiring harness connector wiring for correct wiring orientation, apply Thread Loc on spare tire bracket bolts.

COMPLETION REPORTING / REIMBURSEMENT

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims paid will be used by FCA to record recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

Labor Description	Number	Hrs
Inspect for blue dot on swing gate wire harness, and apply thread loc on spare tire mounting bracket bolts	23-29-B1-81	0.5hrs
Reposition wire terminals and apply thread loc on spare tire mounting bracket bolts	23-29-B1-82	0.6hrs

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete claim processing instructions.

PARTS INFORMATION

Qty	Part Name	Part No.
1	Ty-Strap	04641780 (MSQ 12)
*1	*Thread Loc	*04318032
*1	*Flock Tape	*68230057AB

*Covers many vehicles

PARTS RETURN

No parts return required for this campaign.

SPECIAL TOOLS

No special tools required to perform this service procedure.

DEALER NOTIFICATION

To view this notification on DealerCONNECT, select "Global Recall System" on the Service tab, then click on the description of this notification.

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Service Procedure

1. Disconnect the negative battery cable.
2. Remove the spare tire from the swing gate.
3. Remove the swing gate panel.
4. Disconnect the air line from the air compressor.
5. Disconnect the electrical connector.
6. Lay the swing gate panel on a clean protective surface.
7. Inspect for a “Blue Dot” on the wiring harness tag.

➤ Is the Blue Dot present?

YES: Proceed to step 20.

NO: Proceed to step 8.



Figure 1 – Blue Dot Location

8. Confirm the wires are in the following cavities as illustrated in (Figure 2).

NOTE: If the Blue and Brown wires are reversed, proceed to step 20.

9. Disconnect the electrical connector.
10. Cut enough of the wiring tape to expose the wires.

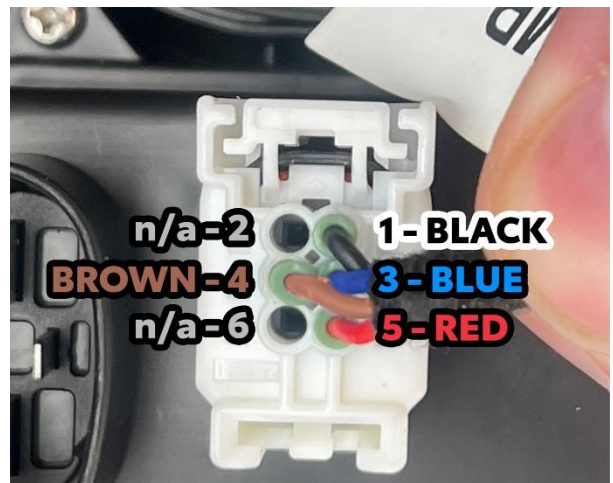


Figure 2 – Wire Cavity

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Service Procedure [Continued]

11. Using a small pry tool, push the black insert out of the electrical connector. (Figure 3).

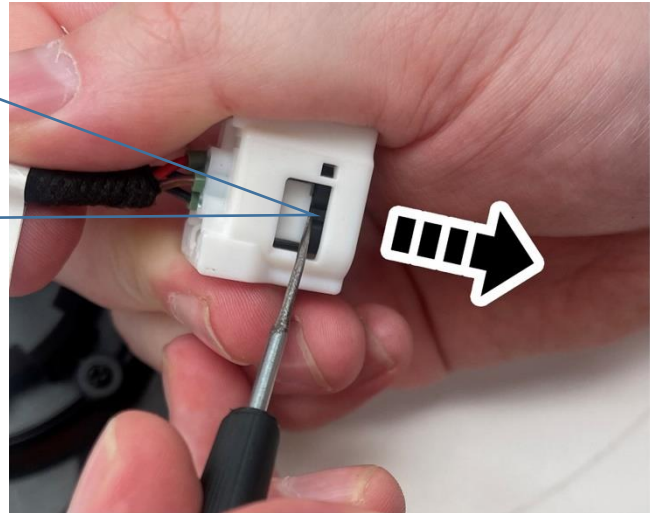
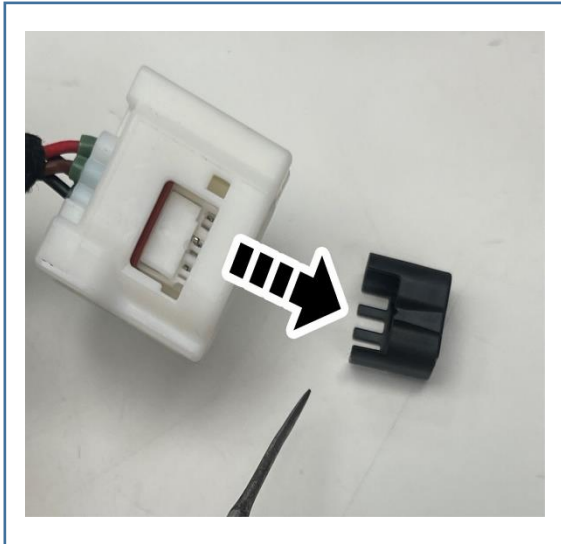


Figure 3 – Connector Insert Removal

12. Using a small terminal extraction tool, pry on the wire locking mechanism inside the connector and pull on back of wire to release the wire (Figure 4).

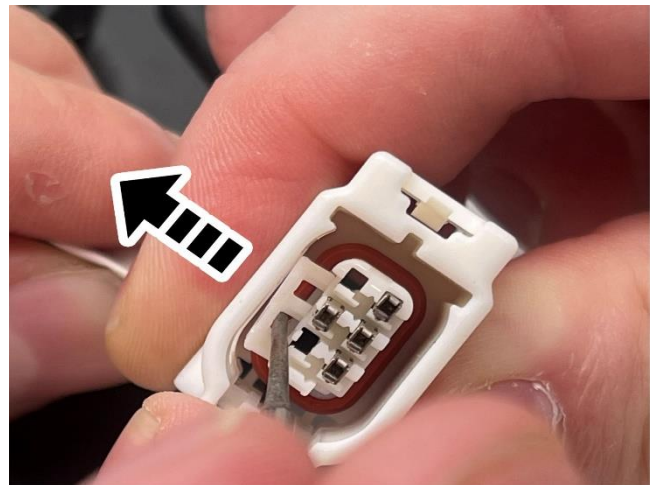


Figure 4 – Unlocking Wire

Reference: 29B

Service Procedure [Continued]

13. Insert the pick tool into the connector and release the wire tab and pull out the following wires from the connector (Figure 5).
- Brown
 - Red
 - Blue

NOTE: Do Not Remove the Black wire from the connector.



Figure 5 – Wires Removed

14. Insert the removed wires in the following connector cavities (Figure 6).

- Cavity # 1 - Black Wire
- Cavity # 2 - Empty
- Cavity # 3 - Brown Wire
- Cavity # 4 - Blue Wire
- Cavity # 5 - Red Wire
- Cavity # 6 – Empty

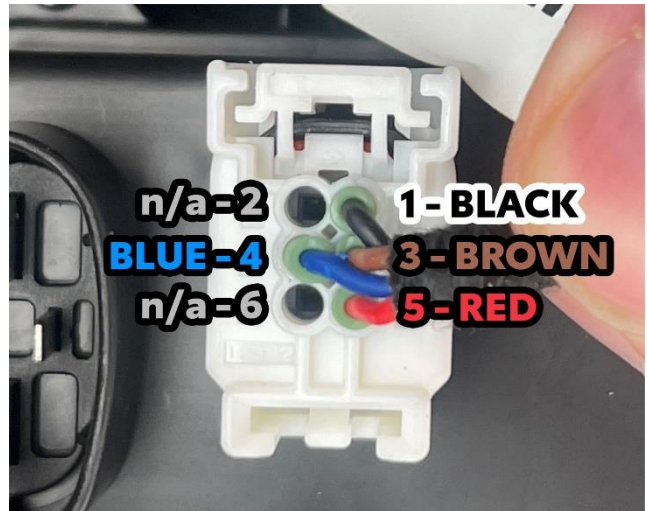


Figure 6 – Wires Correctly Inserted

Reference: 29B

Service Procedure [Continued]

15. Verify the wires are seated correctly in the connector (Figure 7).

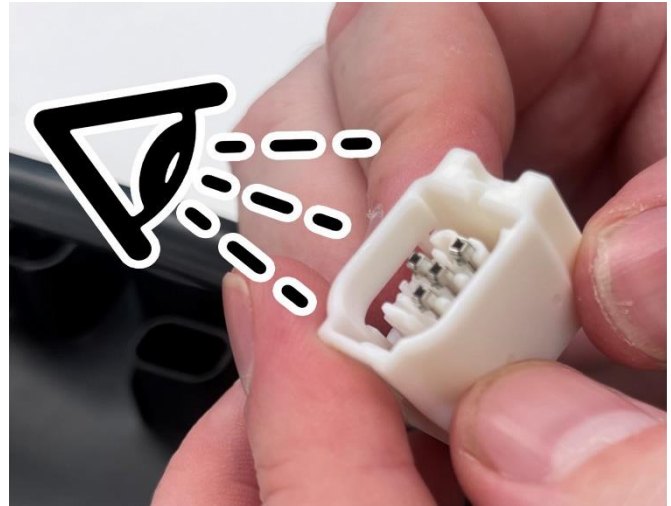


Figure 7 – Wire Installation Verification

16. Install the wire wedge in the connector (Figure 8).

NOTE: Assure an audible “Click” is heard to verify fully seated.

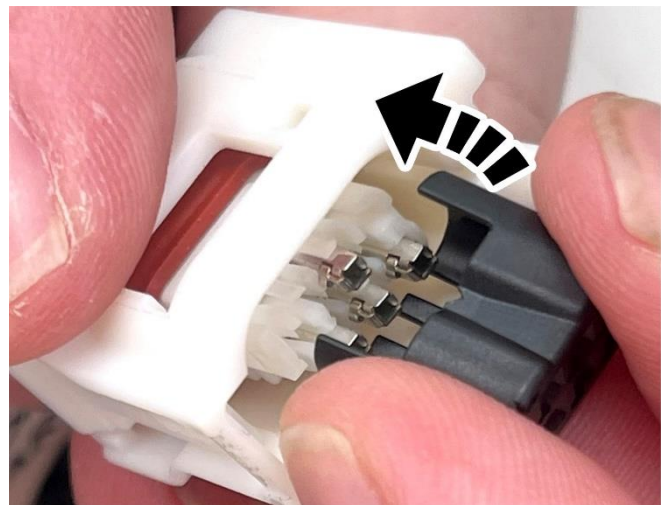


Figure 8 – Wedge Installation

Reference: 29B

Service Procedure [Continued]

- 17. Apply friction tape (Tesa) to the wires on the back of the connector. And reconnect the electrical connector to the module (Figure 9).
- 18. Reconnect the airline hose to the module.
- 19. Apply a "Blue Dot" to the wire harness label.

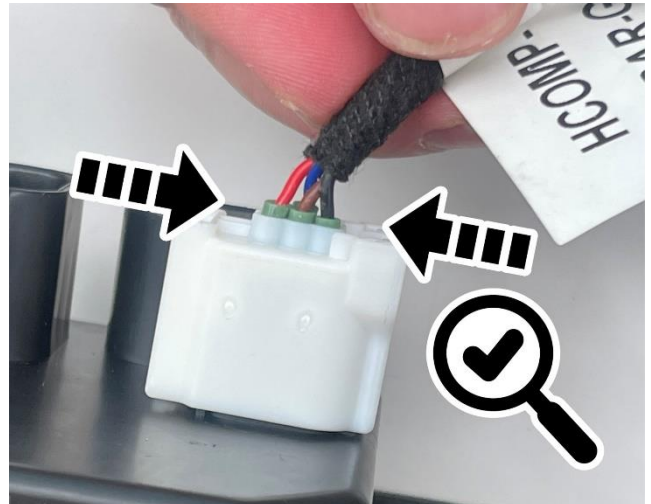


Figure 9 – Connector Connected

- 20. Disconnect the Tan and Black electrical connectors on the inside of the swing gate (Figure 10).
- 21. Pull the rubber grommet out the swing door and pull the wires out of the hole (Figure 10).

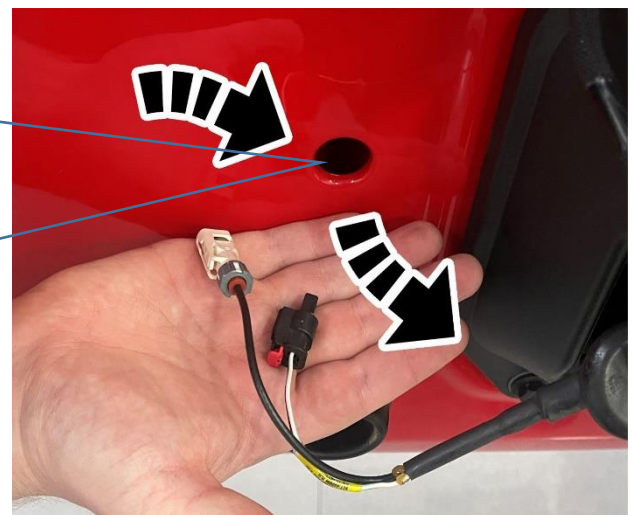
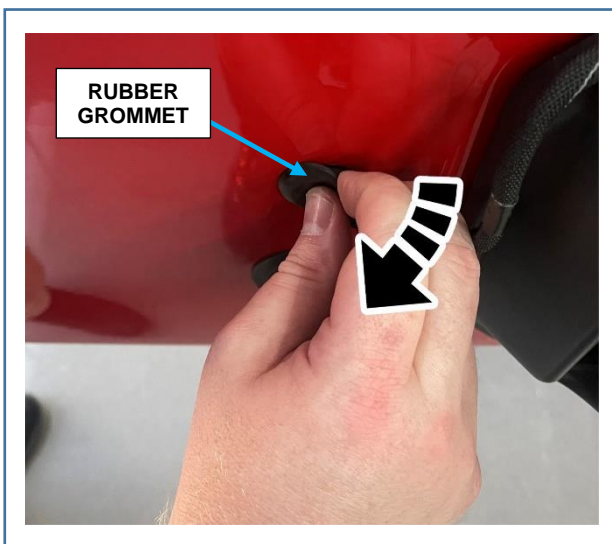


Figure 10 – Wires Removed

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Service Procedure [Continued]

22. Tape the removed wires to the spare tire bracket as shown (Figure 11).



Figure 11 – Wires Tapped

23. Release the rubber grommet on the right side of the spare tire carrier and pull the wires out slightly (Figure 12).



Figure 12 – Rubber Grommet Released

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Service Procedure [Continued]

- 24. Working on the inside of the swing gate, cut the Ty strap and reroute the air hose and electrical connector as shown (Figure 13).

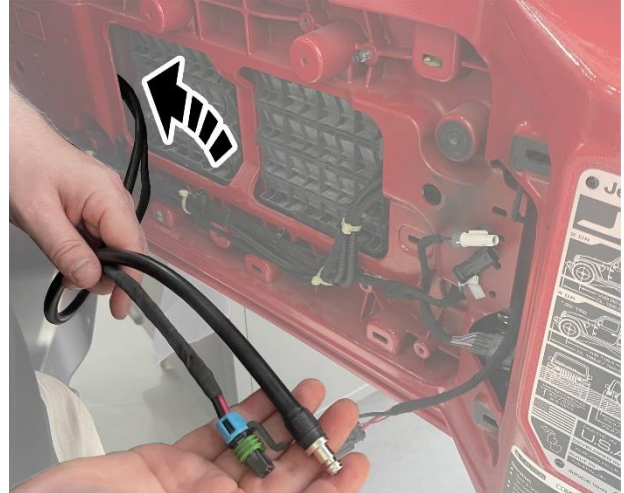


Figure 13 – Wire and Hose Routed

- 25. Pull on the wire and hose to relieve the strain (Figure 14).



Figure 14 – Hose and Wire Relief

- 26. Remove all of 8 fasteners from the spare tire carrier (Figure 15)

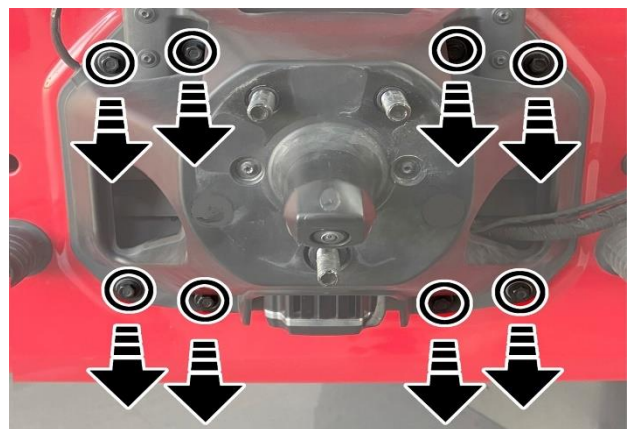


Figure 15 - Fasteners

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Reference: 29B

Service Procedure [Continued]

27. Rest the removed bracket on a shop cart (Figure 16).



Figure 16 – Removed Bracket

28. Temporarily install 3 nuts/bolts to secure compressor mounting bracket to door (Figure 17).

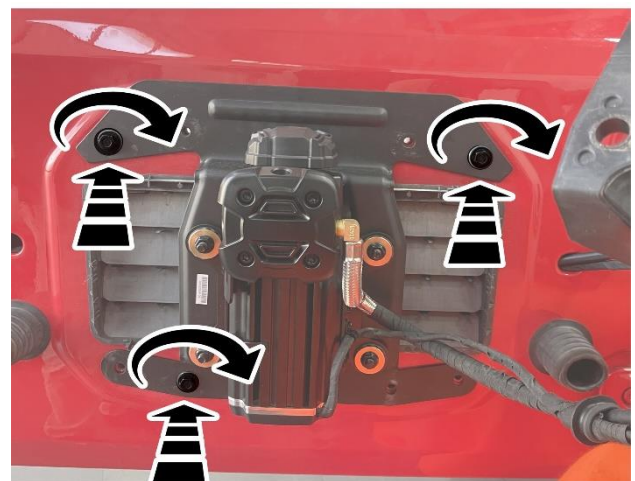


Figure 17 – Temporarily Installed Nuts/Bolts

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Service Procedure [Continued]

29. Partially loosen the 2 **left side** Air Compressor mounting nuts (Figure 18).

30. Apply a small amount of “Red Thread Locker” – Loctite 262 to the threads on the **left side** mounting nuts.

31. Tighten the **left side** mounting nuts to 21N·m (15ft. Lbs.).

32. Partially loosen the 2 **right side** Air Compressor mounting nuts.

33. Apply a small amount of “Red Thread Locker” – Loctite 262 to the threads on the **right side** mounting nuts.

34. Tighten the **right side** mounting nuts to 21N·m (15ft. Lbs.).

35. Remove the 3 temporary installed nuts/bolts (Figure 17).

36. Install the 8 spare carrier mounting bolts and tighten to 17.5N·m (13ft. lbs.) (Figure 15).

37. Push the wire and hose assembly into the swing door grommet hole (Figure 14).

38. Route the wire and hose as illustrated (Figure 19) and install and secure with a Ty-Strap (Figure 20).

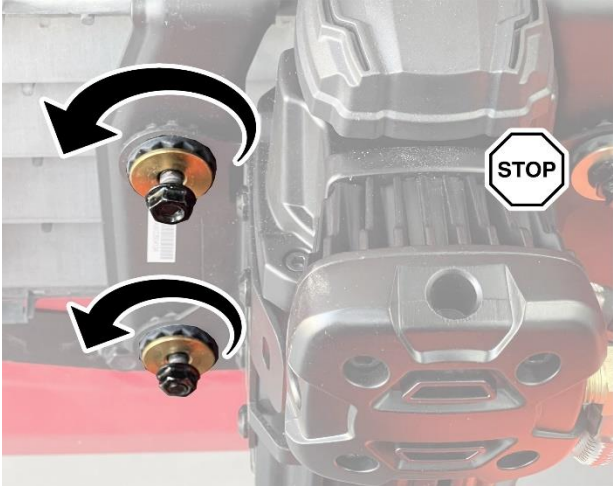


Figure 18 – Air Compressor Mounting Nuts

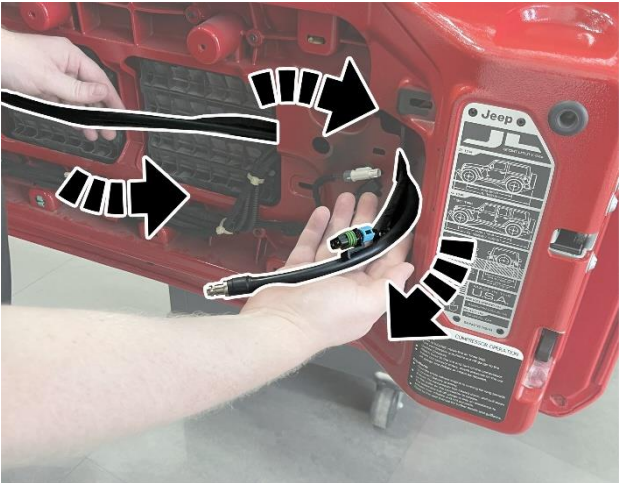


Figure 19 – Wire and Hose Routing

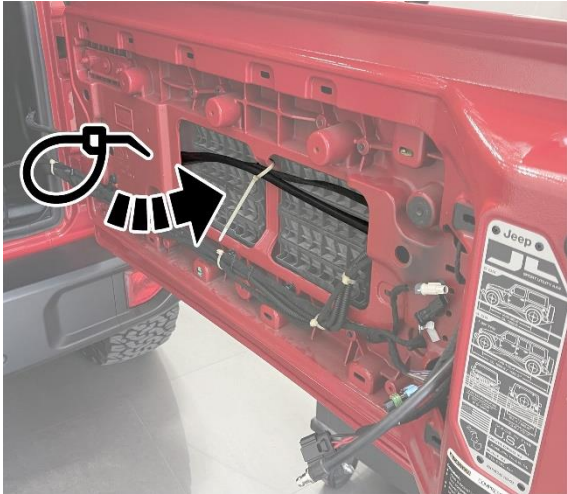


Figure 20 – Ty-Strap Installed

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Reference: 29B

Service Procedure [Continued]

- 39. Remove the tape from the tapped wires secured to bracket and insert into the swing gate door hole secure the rubber grommet to the hole (Figure 21).

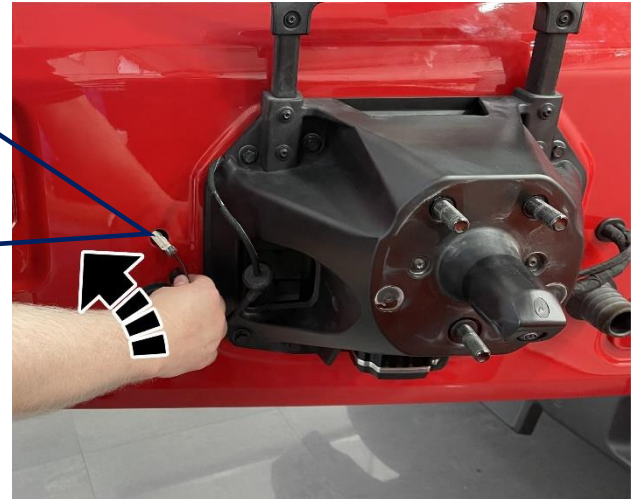


Figure 21 – Swing Gate Wire Routing

- 40. Connect the electrical wires to the matting side (Figure 22).

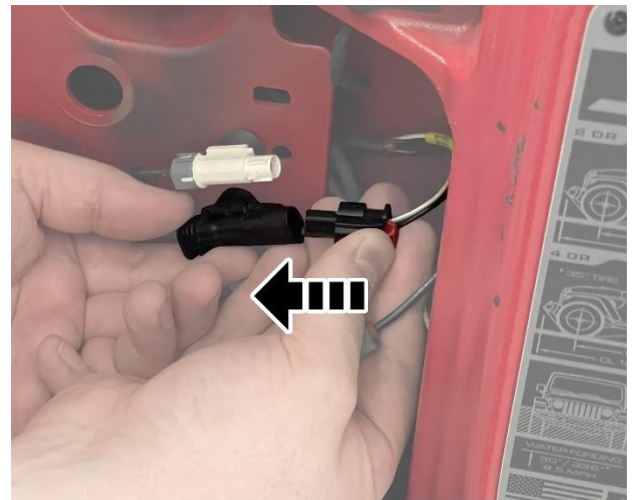


Figure 22 – Wiring Connection

Reference: 29B

Service Procedure [Continued]

41. Reconnect the electrical wire harness connectors and the air hose to the door module assembly (Figure 23).

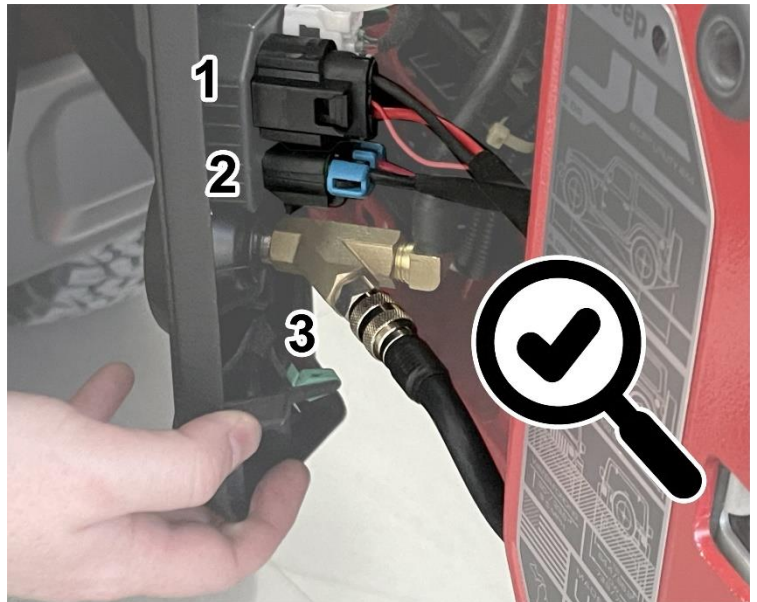


Figure 23 – Electrical Connectors and Air Hose Connection

42. Align the press on the swing gate panel to engage the clips to the swing gate (Figure 24).



Figure 24 – Panel Installation

Reference: 29B

Service Procedure [Continued]

- 43. Install the spare tire onto the carrier and tighten the lug nut to 74N·m (55ft. lbs.).
- 44. Reconnect the negative battery cable.
- 45. Start the vehicle, with foot on the brake pedal move the gear selector to “Reverse” and verify the rear camera image is displayed on the display.
- 46. Verify on the “Start/Stop” button light on the swing gate air compressor is illuminated when pressed (Figure 25).

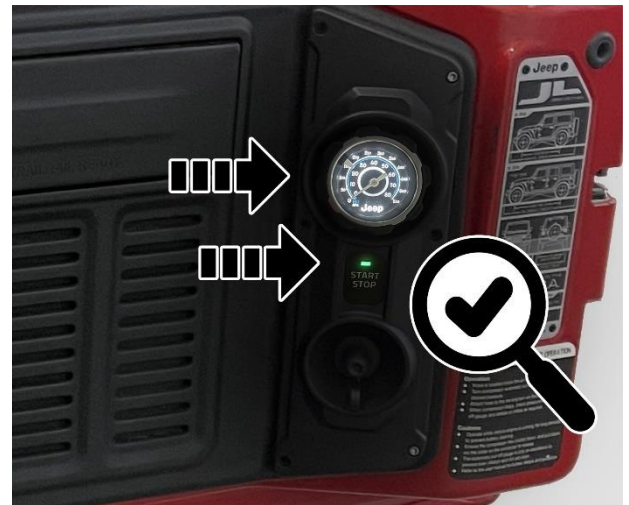


Figure 25 – Air Compressor “Start/Stop” Switch

- 47. Verify there is air discharged from the hose connection (Figure 26).
- 48. Place finger over the air discharge port and verify the gauge is reading pressure.
- 49. Return the vehicle to the customer.



Figure 26 – Air Discharged

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

29B

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

- 1. RECOMMENDED OPTION**
Call your authorized Chrysler / Dodge / Jeep® / RAM Dealership
- 2. Call the FCA Recall Assistance Center at 1-800-853-1403.** An agent can confirm part availability and help schedule an appointment.
- 3. Visit recalls.mopar.com, scan the QR code below, or download the Mopar Owner's Companion App.**

QR Code

Get access to recall notifications, locate your nearest dealer, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity.

DEALERSHIP INSTRUCTIONS

Please reference CSN 29B.

CUSTOMER SATISFACTION NOTIFICATION

Swing Gate Air Compressor

Dear [Name],

At FCA US LLC, we recognize that the success of our business depends on the satisfaction of our customers. We are constantly monitoring the quality of our products and looking for opportunities to improve our vehicles even after they are sold. Because your long-term satisfaction is important to us, we are contacting you on important improvements we would like to make to your vehicle ^[1]. This will be done at no charge to you.

We are recommending the following improvements be performed on certain [2023 Model Year (JL) Jeep Wrangler] vehicles.

WHY DOES MY VEHICLE NEED REPAIRS?

The swing gate air compressor on your vehicle may be inoperative.

HOW DO I RESOLVE THIS CUSTOMER SATISFACTION NOTIFICATION?

FCA US will repair your vehicle free of charge (parts and labor). To do this, your dealer will inspect the swing gate wiring harness connector for correct wiring orientation and apply Thread Loc on spare tire bracket bolts. The estimated repair time is about 45 minutes. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit, which may require more time. Your time is important to us, so we recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership.

**TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR CHRYSLER, DODGE, JEEP OR RAM DEALER TODAY**

WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit www.fcarecallreimbursement.com to submit your reimbursement request online. ^[2] Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the repair performed.

We apologize for any inconvenience, but are sincerely concerned about your satisfaction. Thank you for your attention to this important matter.

Customer Assistance/Field Operations
FCA US LLC



Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

[1] If you no longer own this vehicle, please help us update our records. Call the FCA Recall Assistance Center at 1-800-853-1403 to update your information.

[2] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.