





## IAG-ACC-F1050 IAG Air Compressor System for 2021+ Ford Bronco

Congratulations on the purchase of your IAG Air Compressor System and thank you for choosing IAG Off Road! These instructions are intended for users with basic mechanical skills. Professional installation is not required.

Video instructions can be found here:

<https://youtu.be/75J1fppmuvo?si=g4I71b9d06LXgJjt>



**1** Air Tank

**2** Air Compressor

**3** Main Wire Harness

**4** Air Tap Mount

**5** Tank Mounting Plate

**6** Air Tap

**7** Circuit Breaker Assembly



- 8** Switch Plate w/Pre-Installed Harness
- 9** Rear Harness and Relay
- 10** Adapter Harness
- 11** x3 Extended Lug Nuts
- 12** Split Loom
- 13** Relay Bracket
- 14** Large and Small Backing Plates



- 15** Right Angle Bulkhead
- 16** Hardware Kit
- 17** 14" Soft Tube and 15" Hard Tube
- 18** 19" Soft Tube and 18" Hard Tube
- 19** Two Extra Filters

**Tools needed:** Small flathead screwdriver, rag, allen wrench, 3mm/4mm/8mm/10mm/13mm, pick, clippers, masking tape, pry tool, needle nose pliers, pencil



### Step 1

Disconnect the negative battery terminal and place a rag between wire and terminal.



### Step 1 pt.2



### Step 2

Remove the passenger side lower door trim panel.



Step 2 pt.2



Step 3

Remove the rear seat back lower panel.



Step 3 pt.2

Step 4

Remove the passenger side rear trunk panel.



Step 4 pt.2



Step 5

Remove the passenger side trunk panel.





### Step 6

Remove the 8mm bolt holding the rear hatch latch.



### Step 7

Remove trim panel around the bottom of the D-pillar.



### Step 7 pt.2



### Step 8

Remove the passenger side rear trunk panel.



### Step 8 pt.2



### Step 9

Unclip the three wiring harnesses from the back of the trim panel.

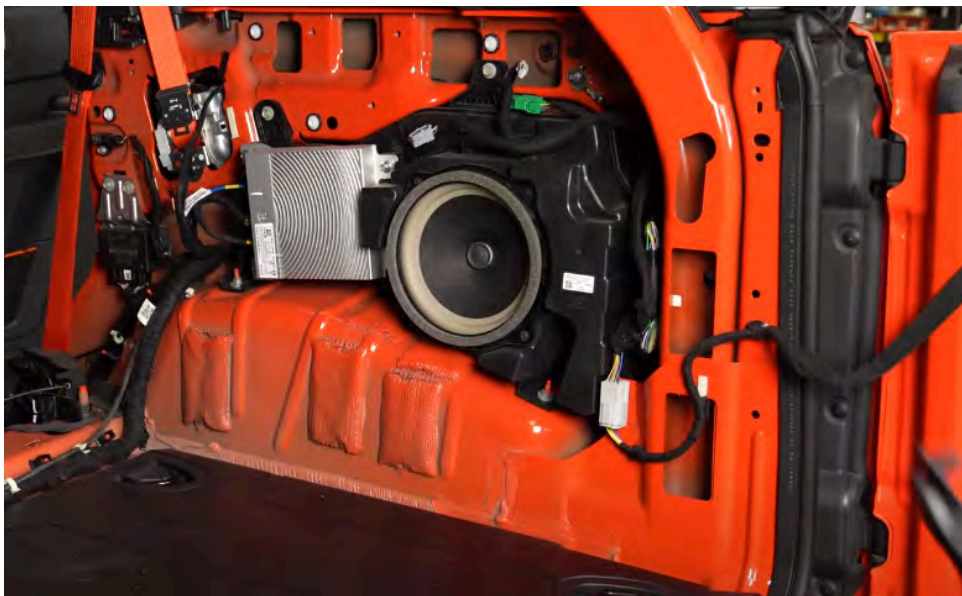




Step 9 pt.2



Step 9 pt.3



Step 10

Fully remove the passenger side trim panel.



### Step 11

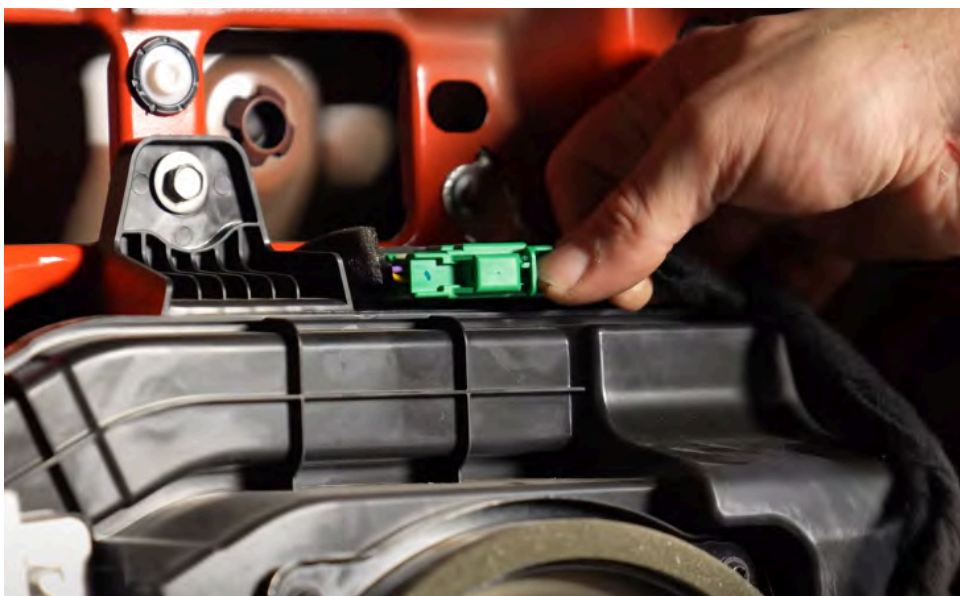
Unclip the three wiring harnesses from the side of the amplifier.

Skip to step 15 if subwoofer is **not** included.

Note: This is only if the vehicle is equipped with a subwoofer.



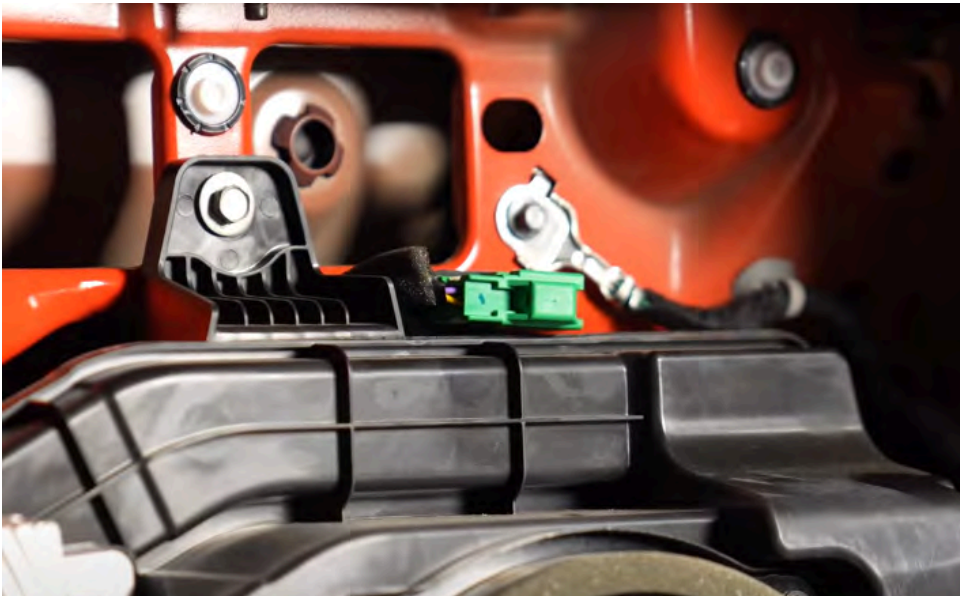
### Step 11 pt.2



### Step 12

Unclip the wiring harness from the top of the subwoofer.

Step 12 pt.2



Step 13

Remove the two 10mm nuts and the two 10mm bolts.



Step 13 pt.2



Step 13 pt.3

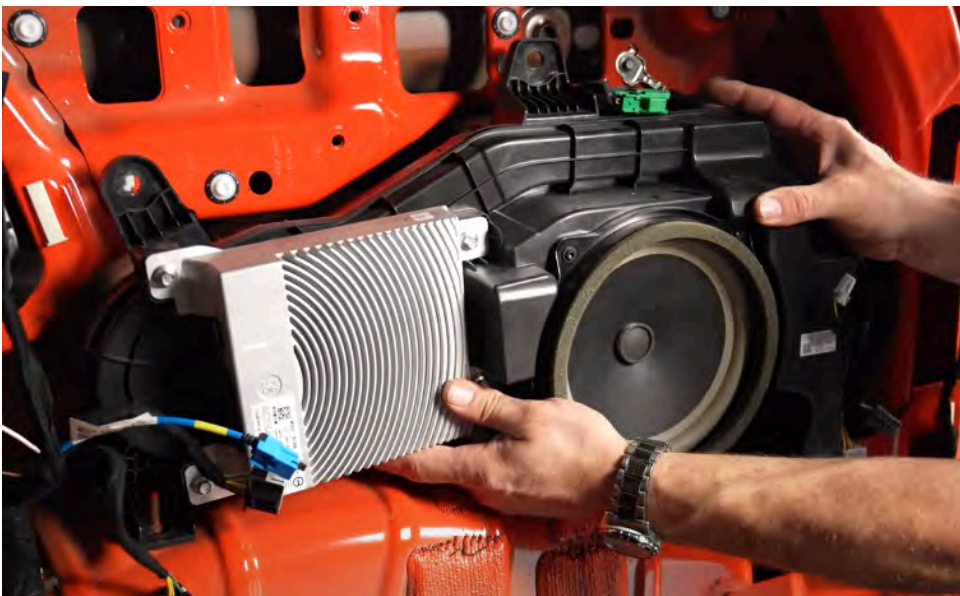


Step 13 pt.4



Step 14

Fully remove the subwoofer.



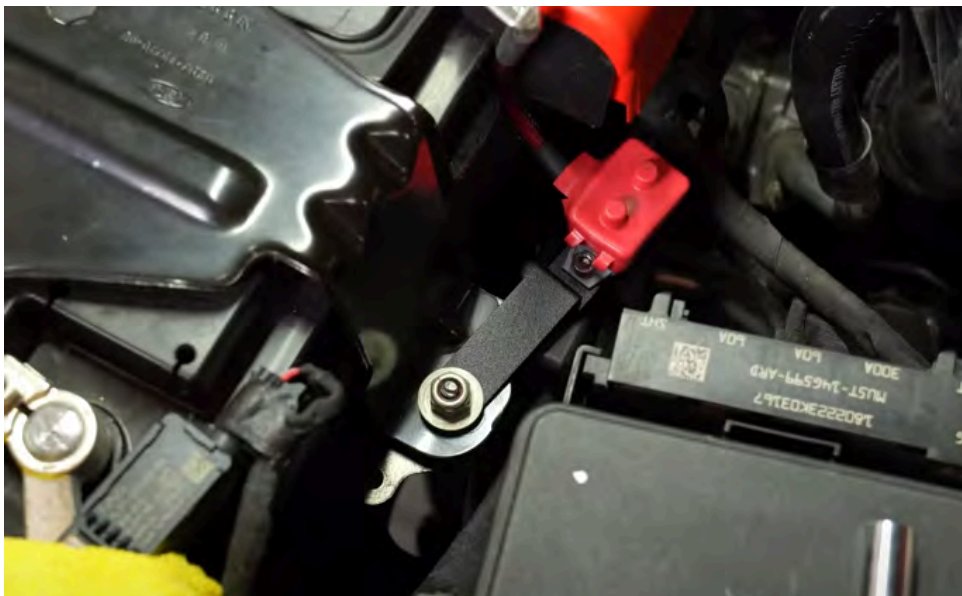


### Step 15

Remove battery mount 13mm nut.



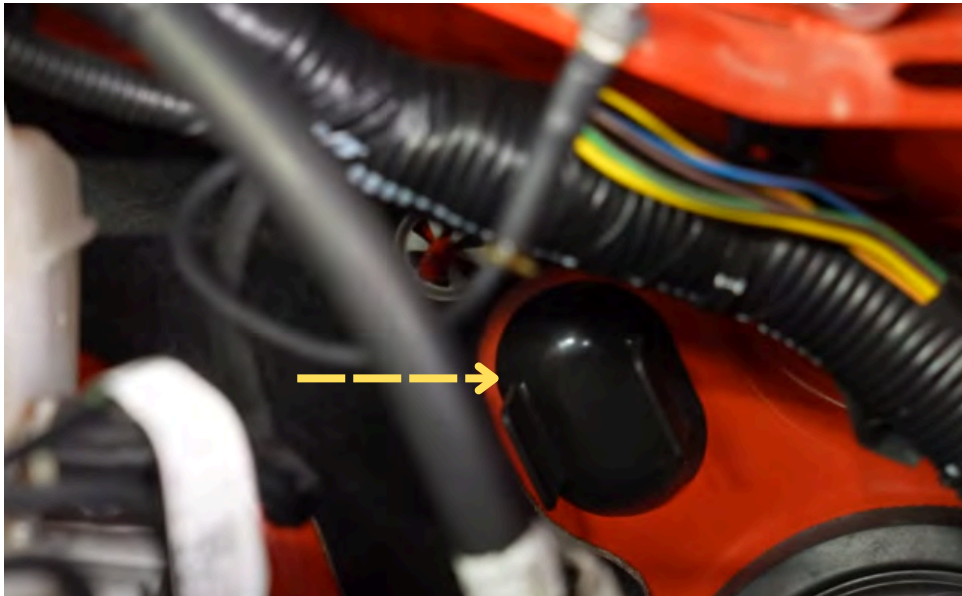
### Step 15 pt.2



### Step 16

Install the circuit breaker onto the battery mount stud with the 13mm nut from step 15.





### Step 17

Remove the rubber grommet located near the brake fluid reservoir.



### Step 18

Route the red 8GA wire through the grommet hole towards the inside.



### Step 19

Pull all the slack through from the engine compartment.



#### Step 20

Route the other end of the wire along the inside of the fuse box to the circuit breaker.



#### Step 21

Install the wire and wire ring to the open post on the circuit breaker from step 16.



#### Step 22

Remove the nut and install the circuit breaker wire from step 16 to the battery terminal.

Step 22 pt.2



Step 23

Using an exacto knife cut a slice into the grommet from step 17.

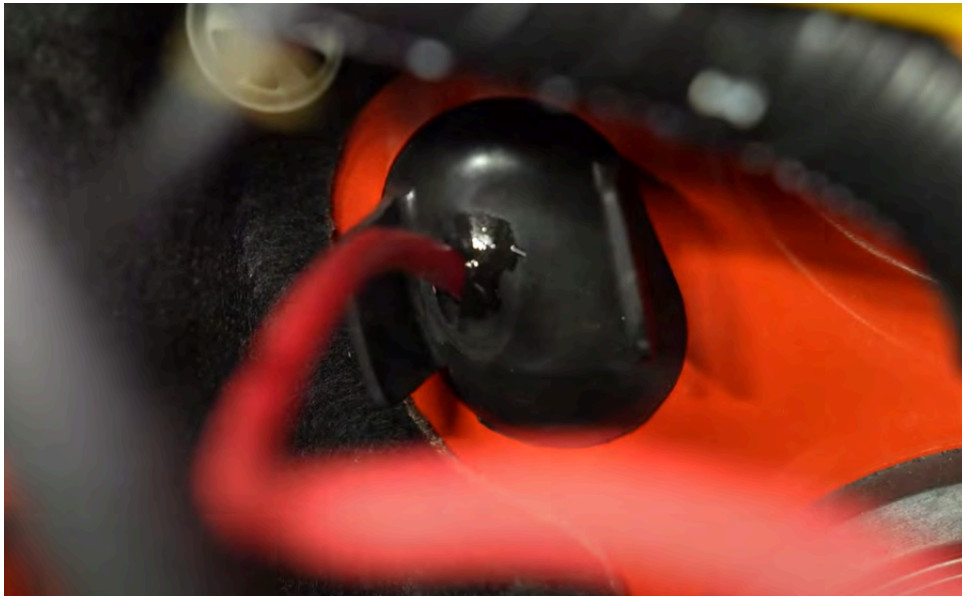


Step 24

Route the wire from step 19 through the grommet and feed all the way through.







### Step 25

Reinstall the rubber grommet.

Reference step 17 for removal.



### Step 26

Remove the driver side door sill trim panel.



### Step 26 pt.2

Step 27

Using a flat head screw driver remove the dead pedal trim panel.



Step 27 pt.2

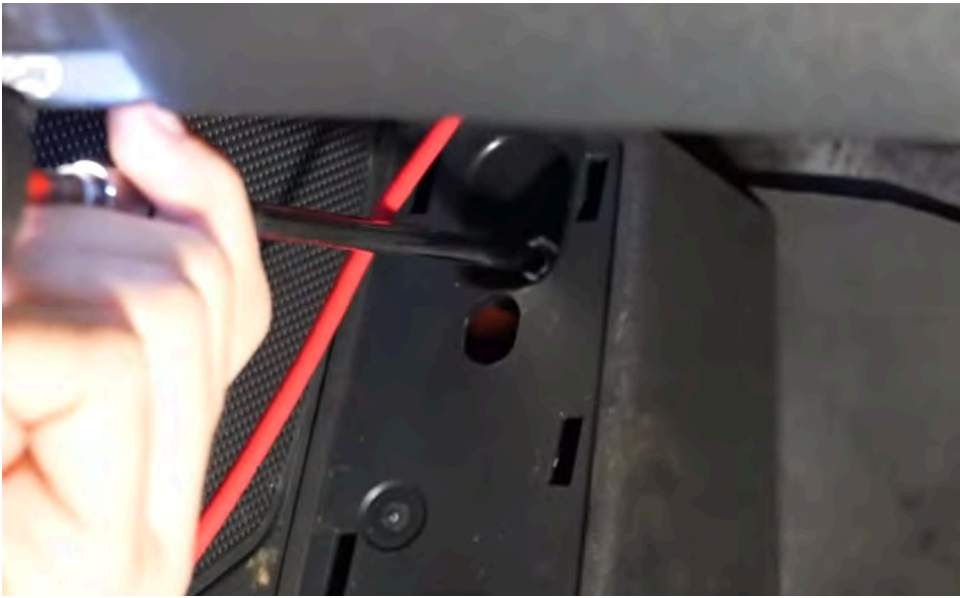


Step 28

Remove the two 10mm nuts.



Step 28 pt.2

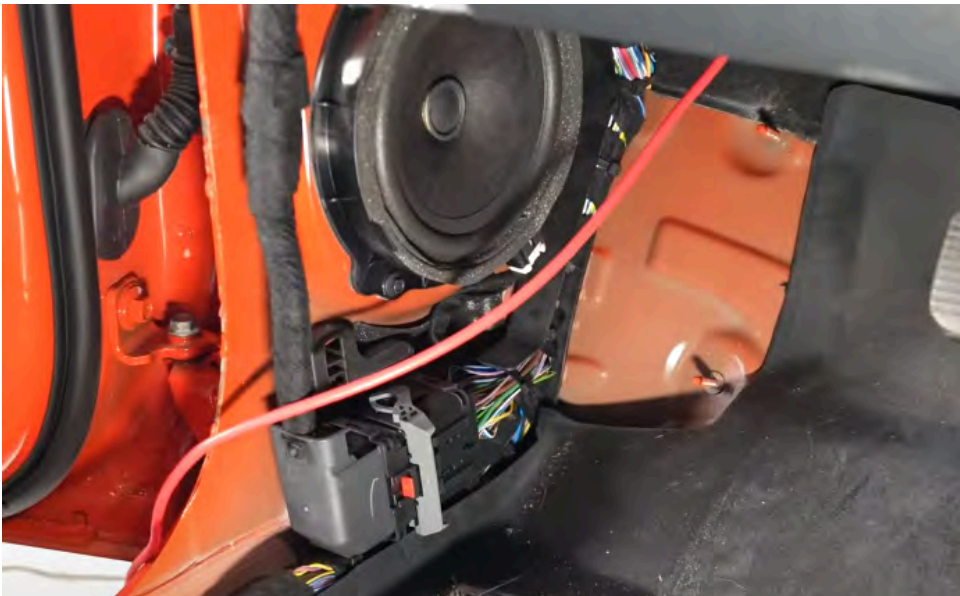


Step 29

Remove the trim panel.



Step 29 pt.2



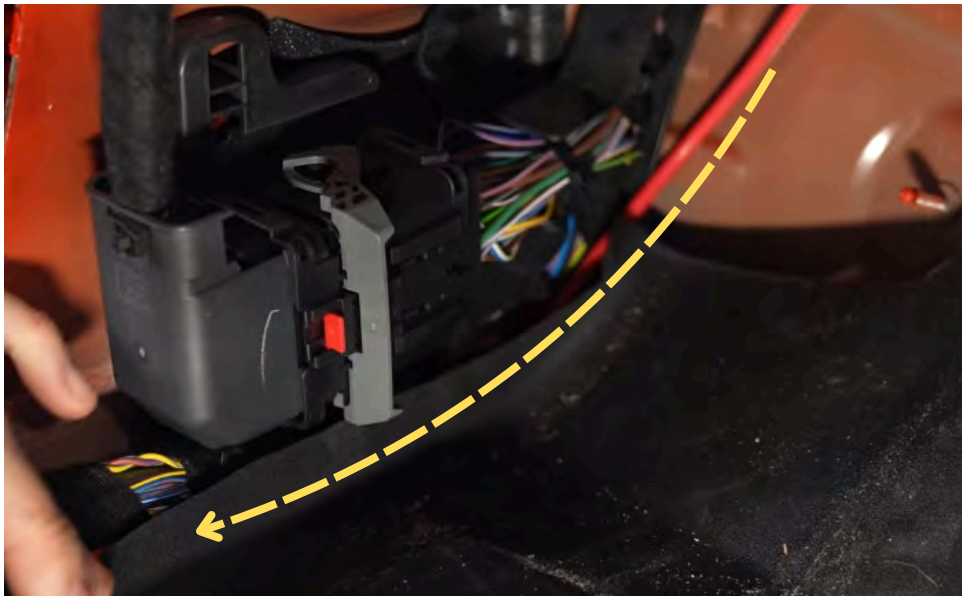


### Step 30

Remove the driver side rear door sill trim panel.



### Step 30 pt.2



### Step 31

Route the wire along the factory wire track towards the back of the vehicle.

Step 31 pt.2



Step 31 pt.3



Step 32

Pull all the slack through from under the door sill panel.





### Step 33

Route the wire up and towards the passenger side between the rear seat and trunk.



### Step 33 pt.2



### Step 33 pt.3



#### Step 34

Pull wire all the way through to the passenger side.



#### Step 35

Install a few zip ties to hold the wire in place along the wire track.

Cut excess zip tie.



#### Step 35 pt.2

Step 35 pt.3



Step 36

Reinstall the trim panels from step 30 as you get the zip ties installed.



Step 36 pt.2







### Step 37

Install a few more zip ties to hold the wire in place along the wire track.

Cut excess zip tie.



### Step 37 pt.2



### Step 37 pt.3

Step 38

Reinstall trim panels from step 29.



Step 38 pt.2



Step 38 pt.3



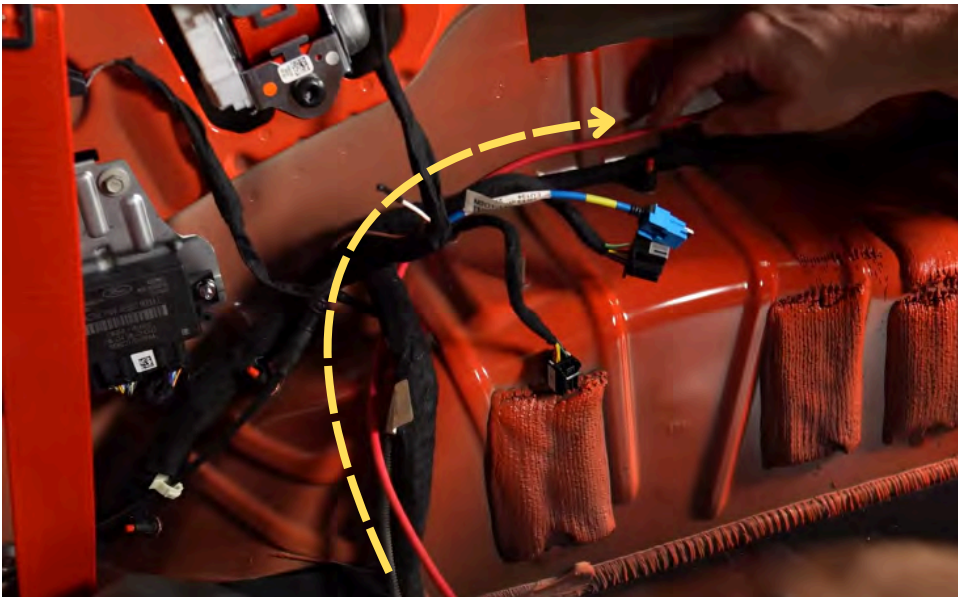
Step 39

Reinstall trim panel from step 26.



Step 40

Route the red wire from step 34 to the rear of the wheel well, behind the subwoofer (if equipped).



Step 40 pt.2

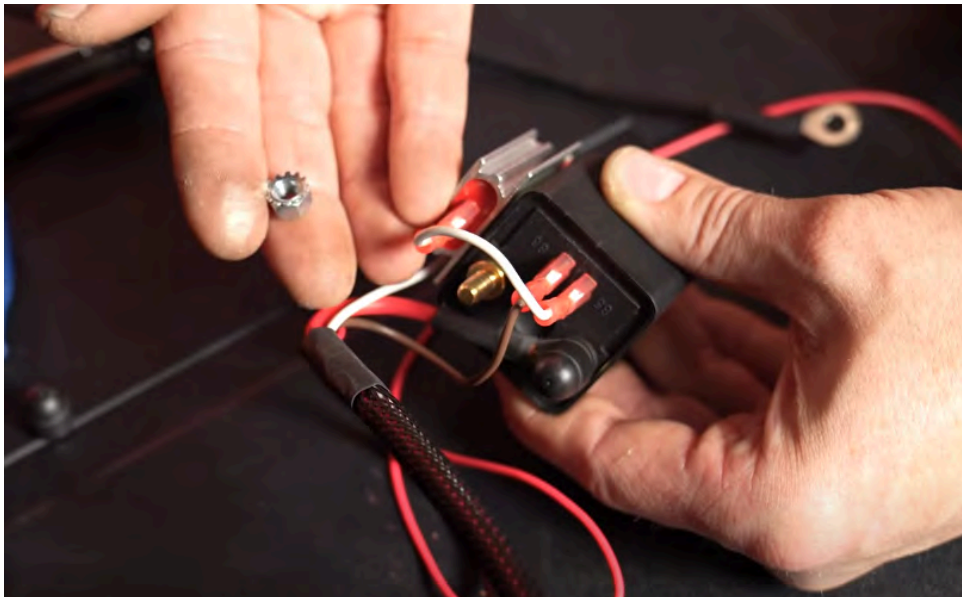




#### Step 41

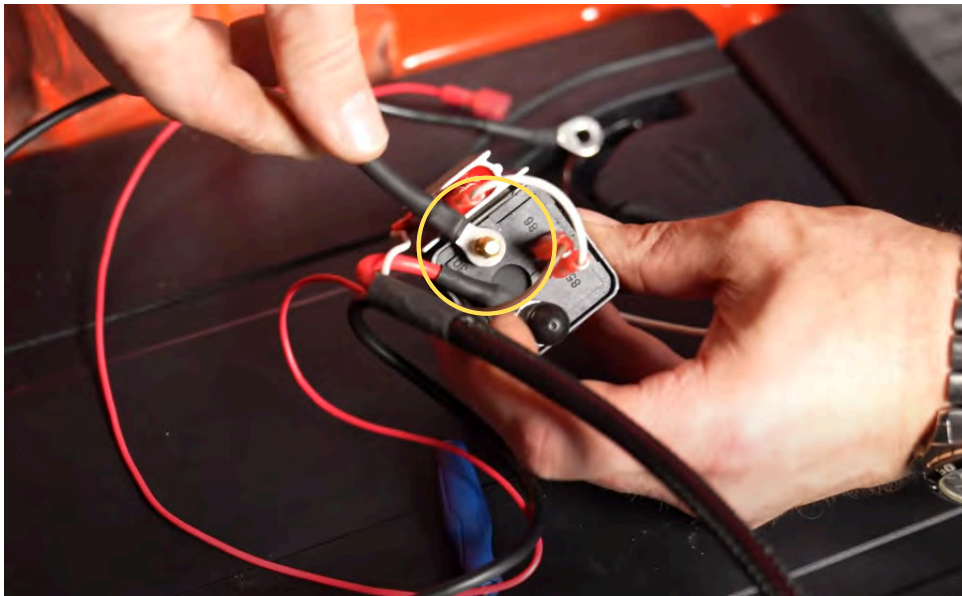
Remove the cap on the rear harness and relay with a small flat head screw driver.

9



#### Step 42

Unscrew the wire ring and install the red 8GA wire to the stud on the relay.



#### Step 42 pt.2

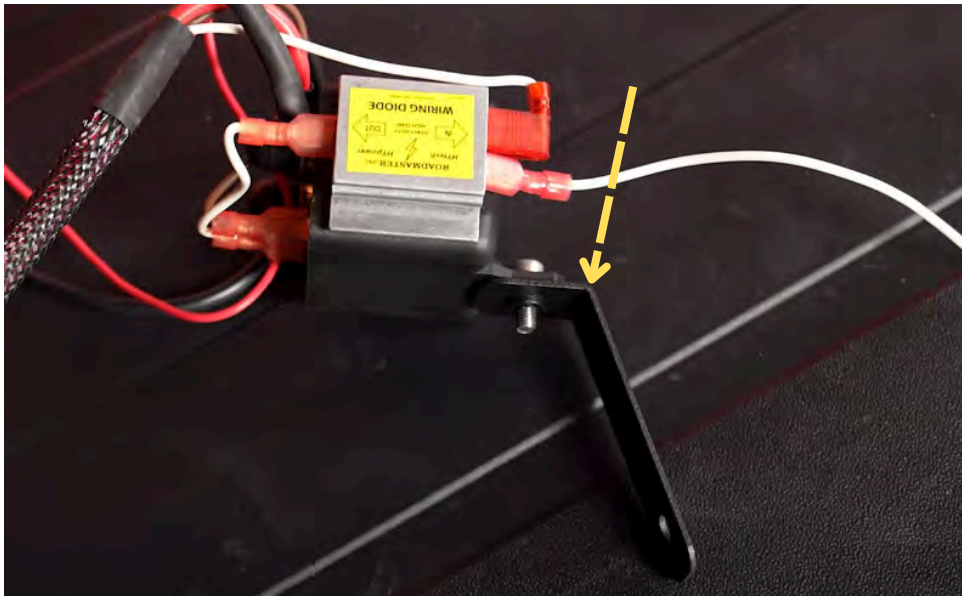


### Step 43

Screw the wire ring back on and reinstall the cap from step 40.



### Step 43 pt.2

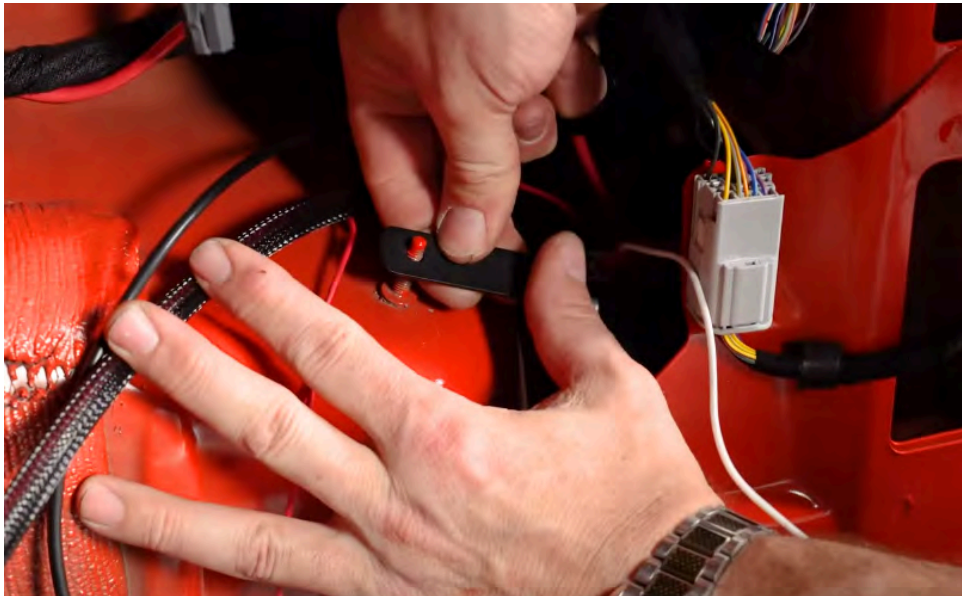


### Step 44

Install the relay bracket onto the relay.

13



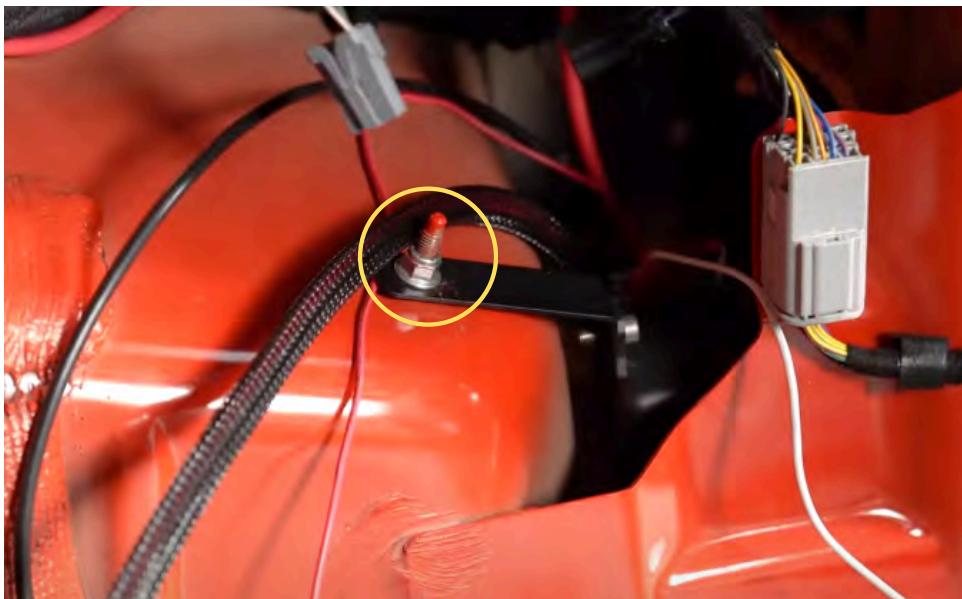


#### Step 45

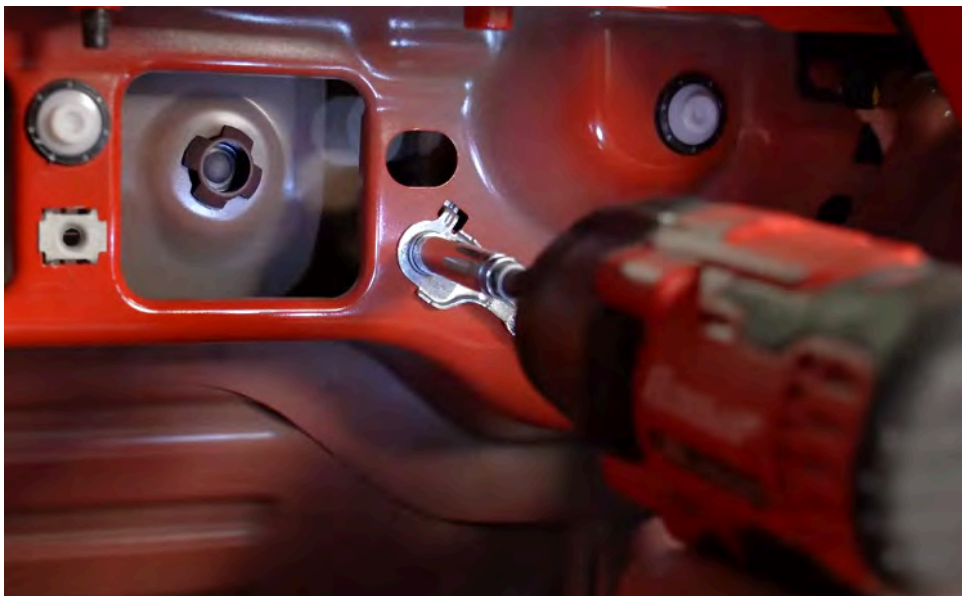
Install relay onto stud at the rear of the wheel well from step 13.

Secure with 10mm nut.

Note: 10mm nut not needed if equipped with subwoofer.

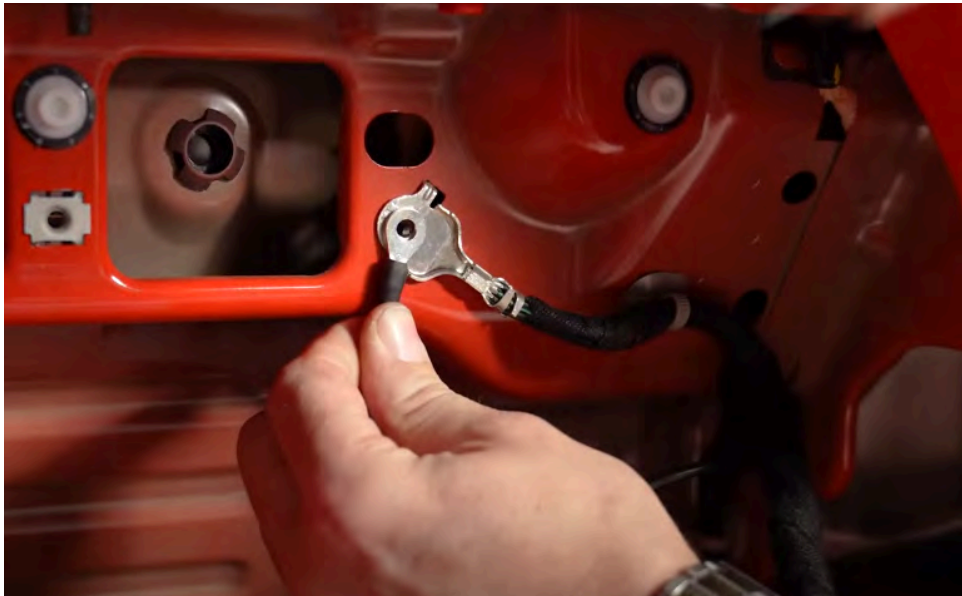


#### Step 45 pt.2



#### Step 46

Unscrew the nut from the factory ground location.



#### Step 47

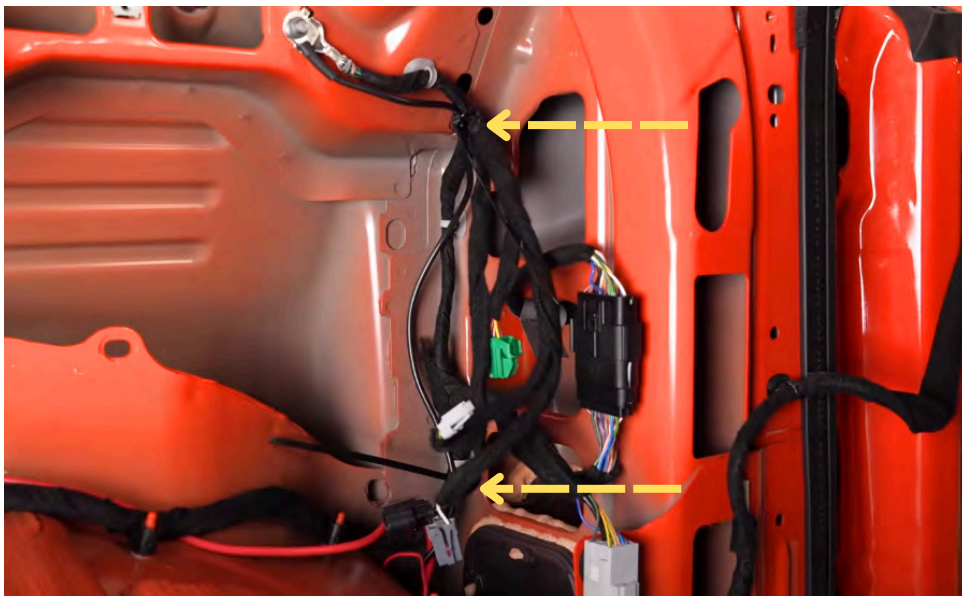
Install the ground wire (black) from relay to the factory ground location.

Reference step 40.



#### Step 48

Screw the nut back on.



#### Step 49

Zip tie the wires to the factory harness to keep in place.

Cut excess zip tie.



Step 50

Remove accessory cover.



Step 50 pt.2



Step 51

Remove the vented cover.

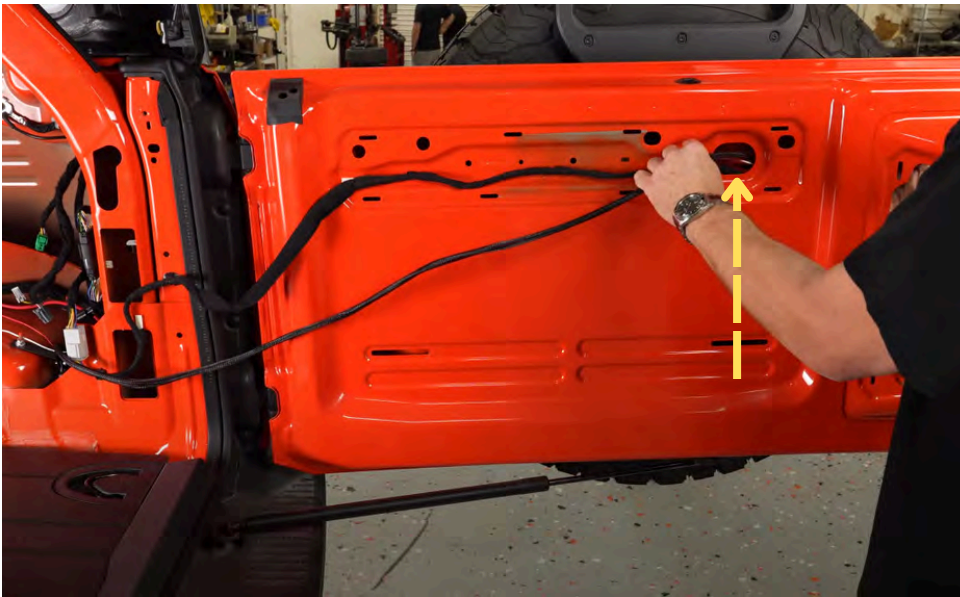


Step 51 pt.2



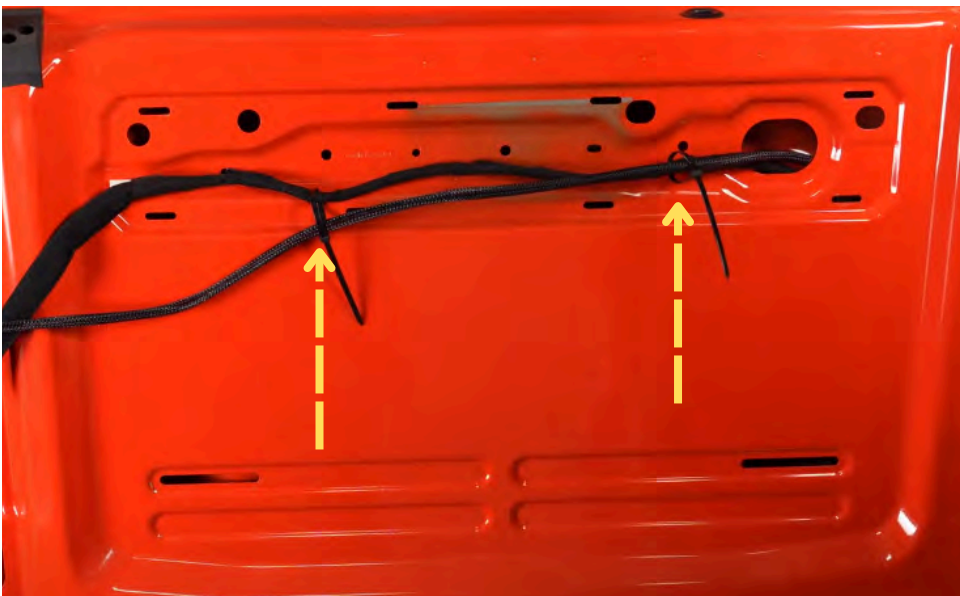
Step 52

Route the rear harness into the opening where the factory harness enters.



Step 53

Zip tie the wire to the factory harness, but leave them loose.

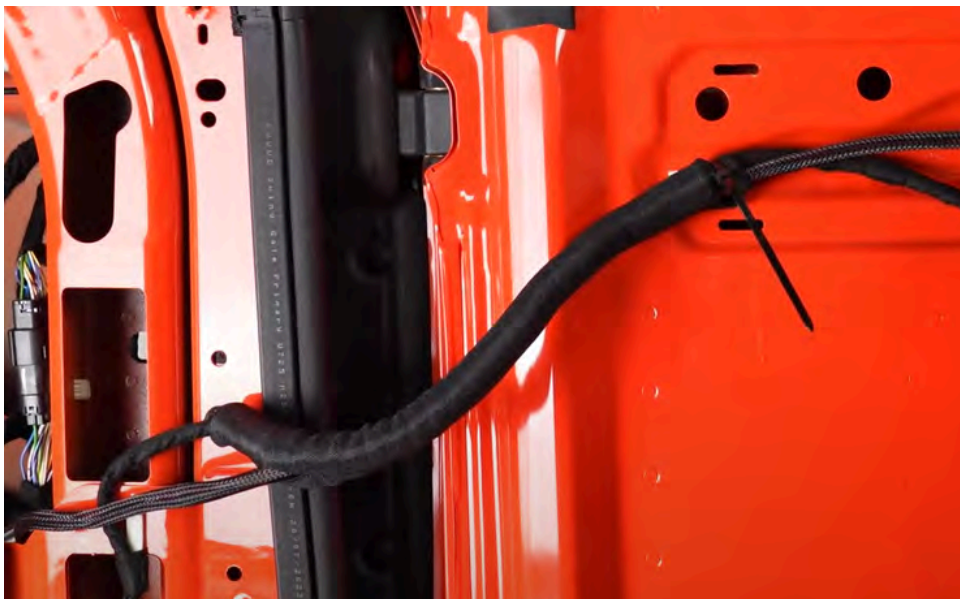




#### Step 54

Install the split loom over the two harnesses.

12



#### Step 54 pt.2



#### Step 55

Install a zip tie at each end of the split loom and tighten the other zip ties from step 53.

Cut excess zip tie.

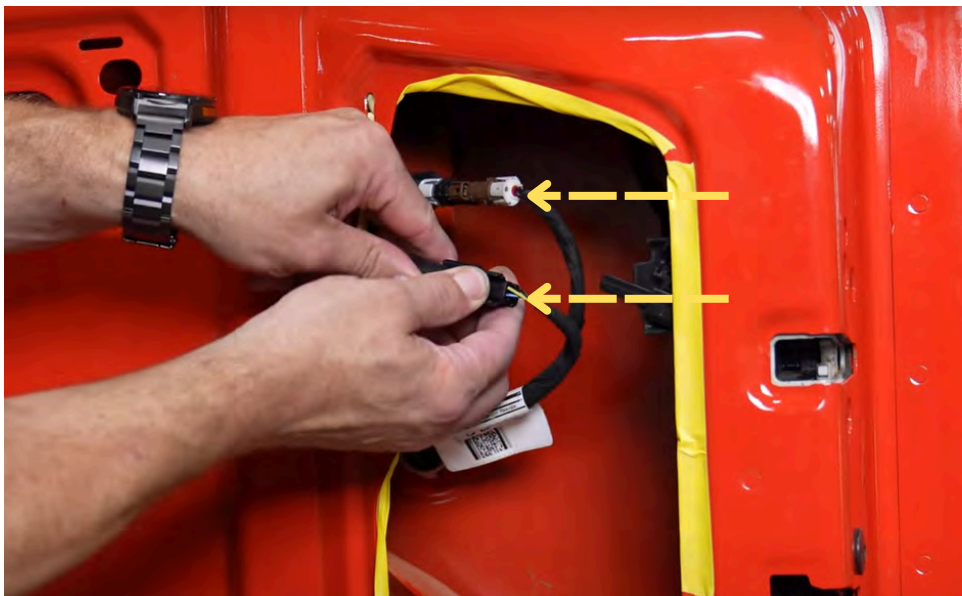


### Step 56

Install masking tape around the opening to protect paint.



### Step 56 pt.2



### Step 57

Unclip the harnesses for the brake light and camera inside the tailgate.



Step 58

Unclip the grommet.



Step 58 pt.2



Step 59

Remove the spare tire.

Step 59 pt.2



Step 60

Remove the eight 13mm bolts and the spare tire carrier.



Step 60 pt.2





### Step 61

With a trim panel pry tool push down on the three clip locations to remove the upper air flap plate.

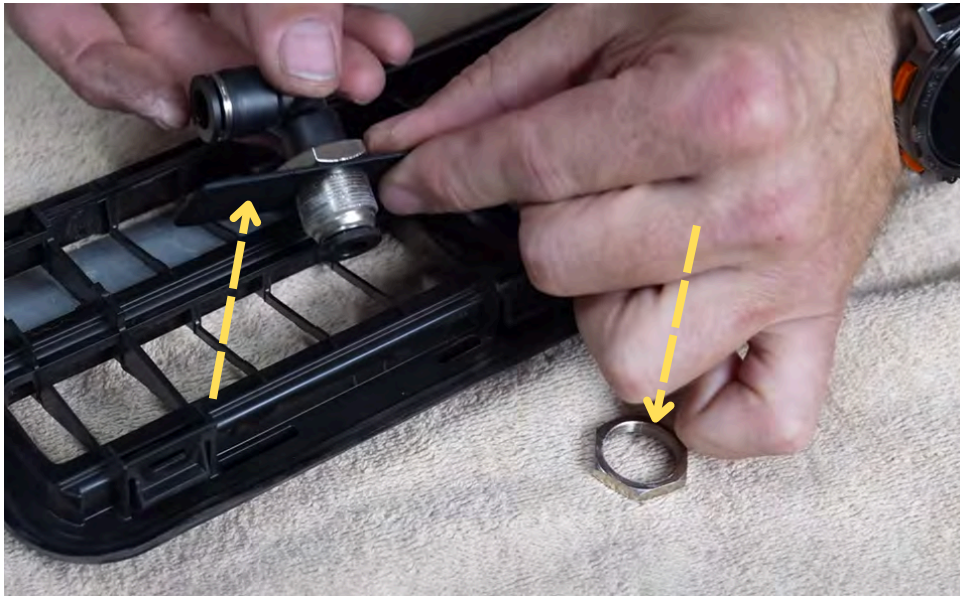


### Step 61 pt.2



### Step 62

Unclip the small tabs and lift the rubber flap off.



### Step 63

Remove the locknut from the smaller backing plate and then place bulkhead through the same backing plate.

**14**

**15**



### Step 64

Install the bulkhead to the upper flap.



### Step 65

Install the larger backing plate onto the fitting. Tighten with the lock nut.

**14**

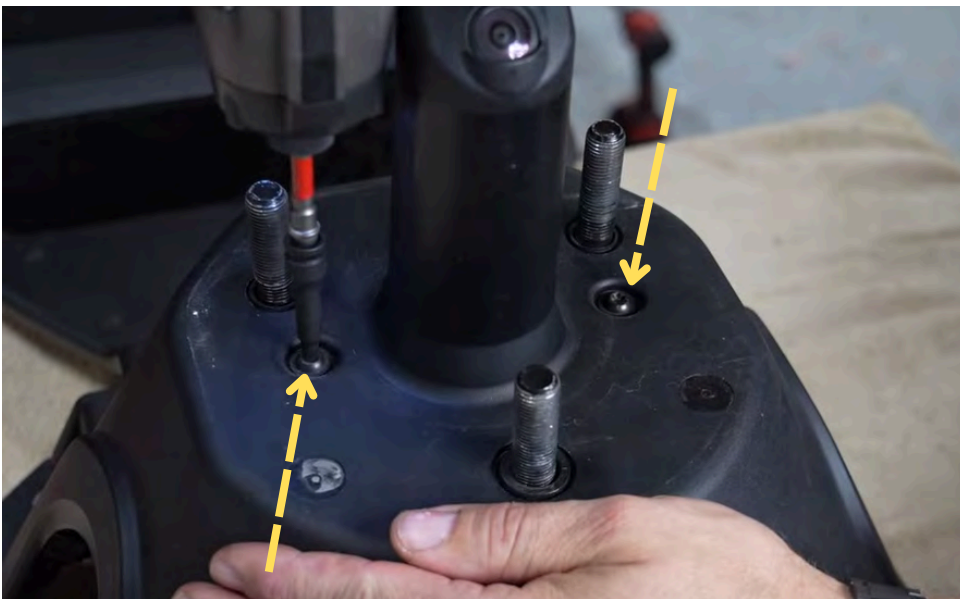


Step 65 pt.2



Step 66

Remove the TP30 screws from each side of the camera neck.



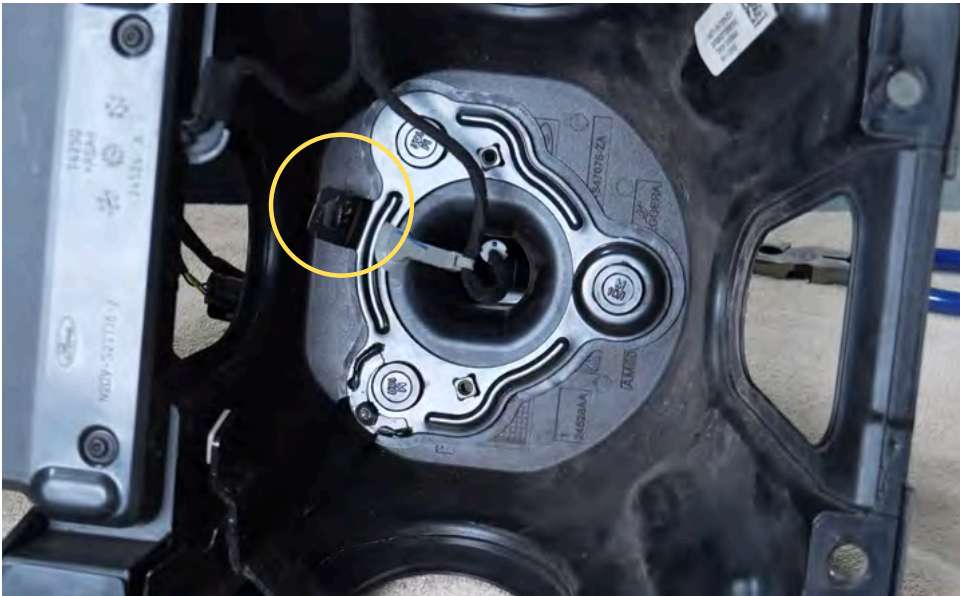
Step 67

Using a pair of needle nose pliers unclip the wire harness from the inner metal support bracket.





Step 67 pt.2



Step 68

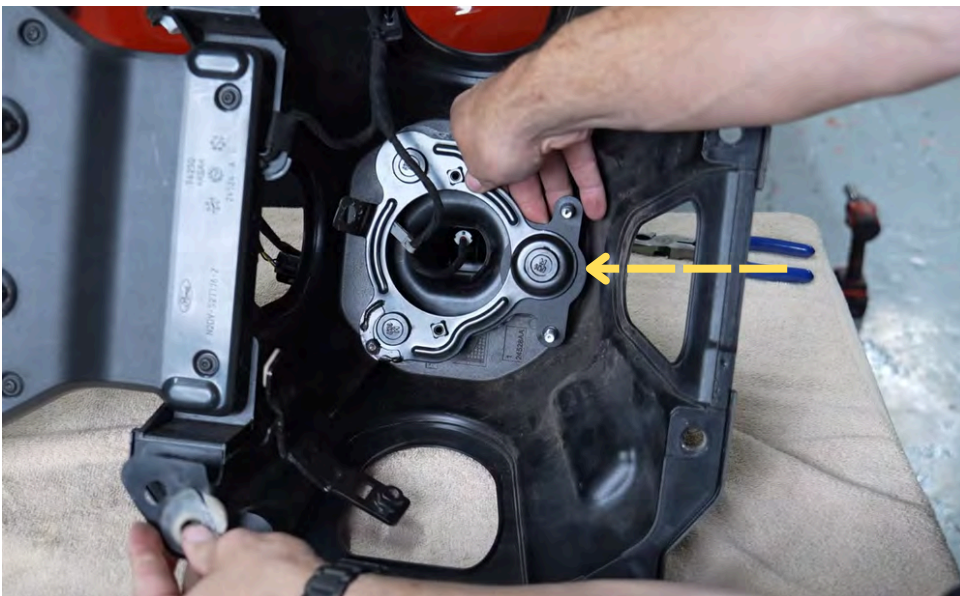
Lift the metal support bracket out to install the tank mounting plate beneath.



5



Step 68 pt.2



### Step 69

Reconnect the wire harness from step 67.



### Step 70

Place the air tap mount onto the back of the spare tire. Decide the location for the air tap where it can be accessed through the wheel and mark.



### Step 71

Mark where you want to place the air tap.



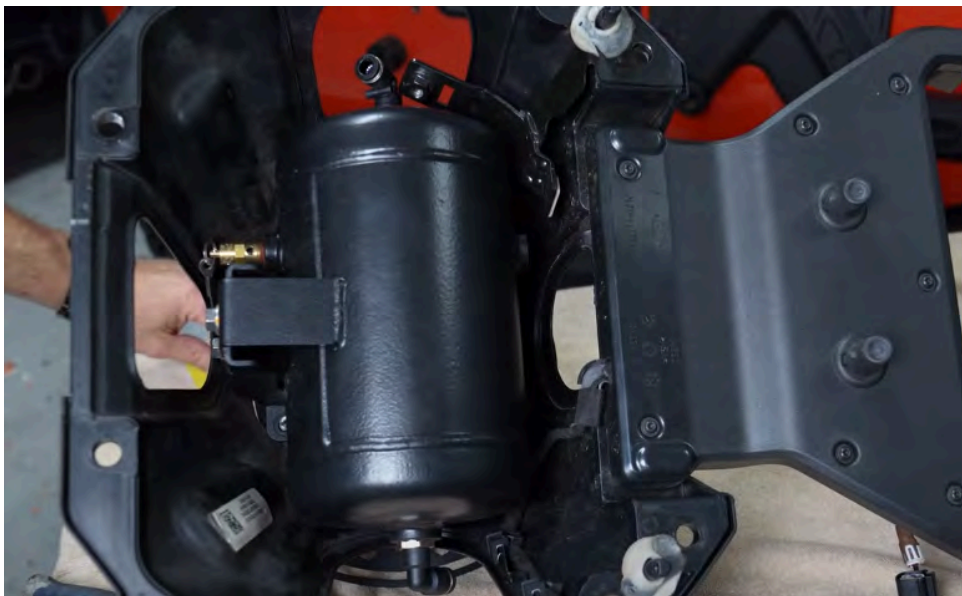


### Step 72

Install the T30 flathead screws to the plate and spare tire carrier and tighten.



### Step 72 pt.2



### Step 73

Install the air tank onto the studs of the tank mounting bracket from step 68.

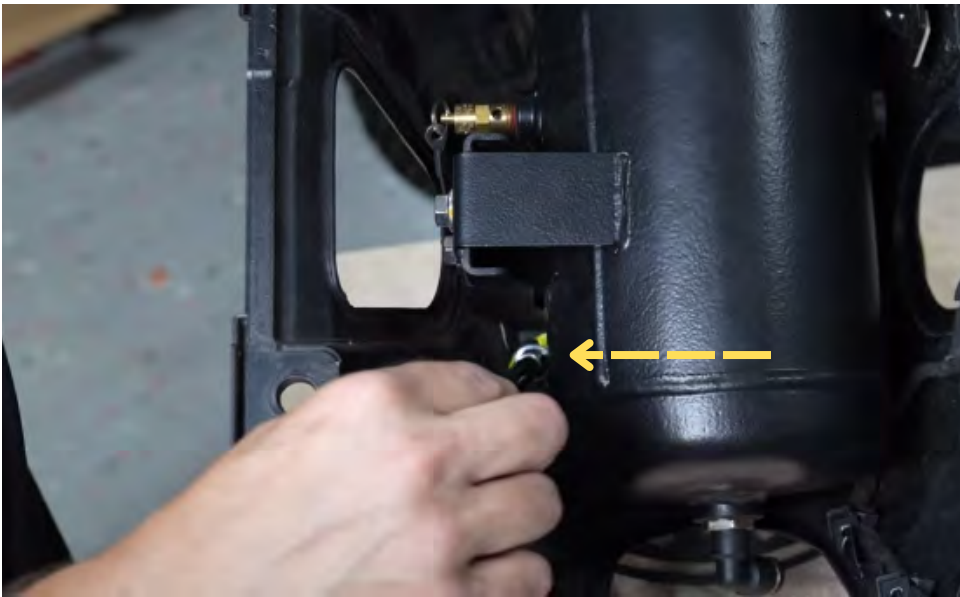


Step 74



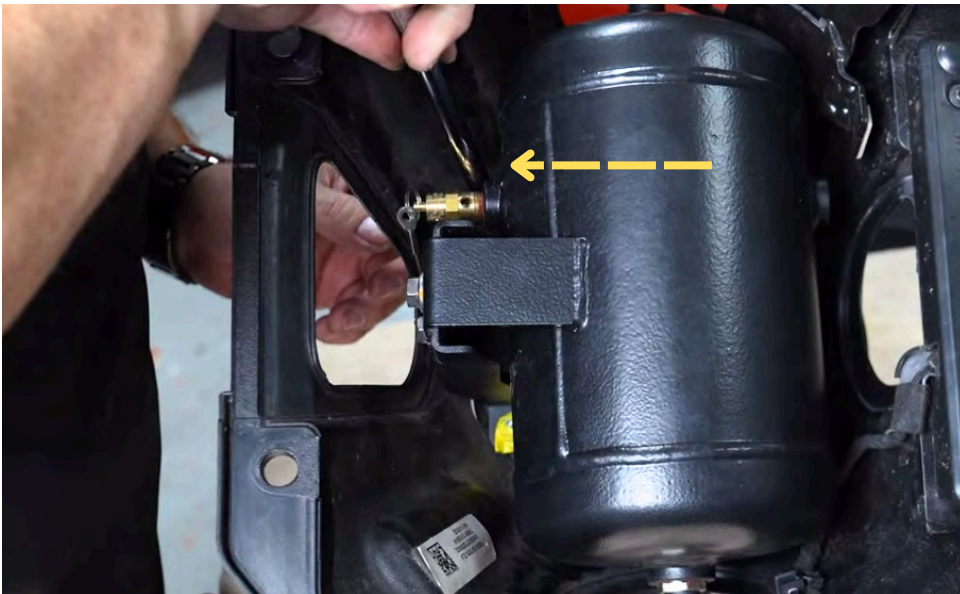
Install masking tape onto the 13mm locknuts so they hold in the socket.

Step 75



Install the two locknuts to the two studs from the tank mounting bracket.

Step 75 pt.2





### Step 76

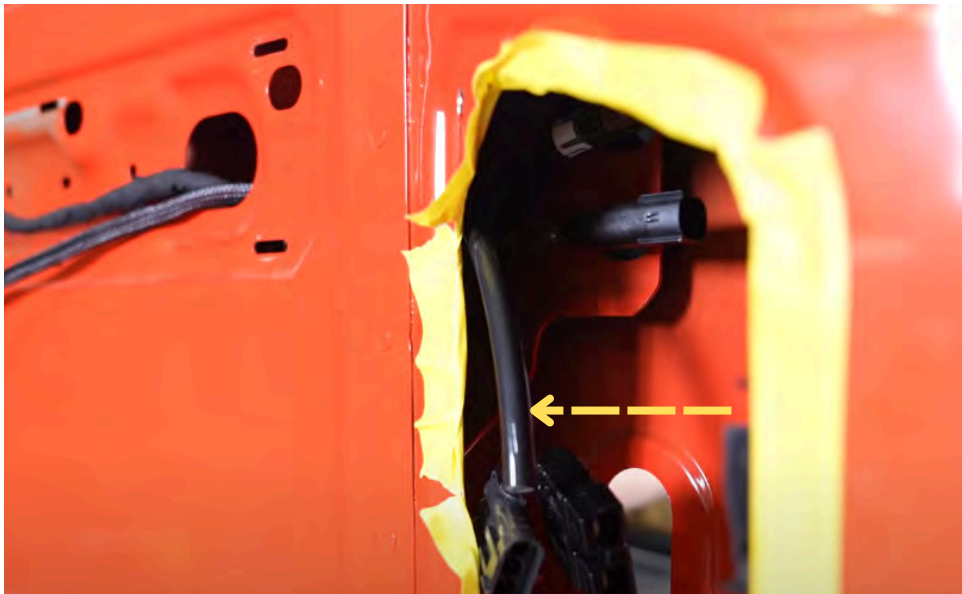
Install the hard 18" air line to the backside of the flap plate by pushing it into the bulkhead.

18



### Step 77

Reinstall the flap plate making sure the airline goes towards to the top cavity.



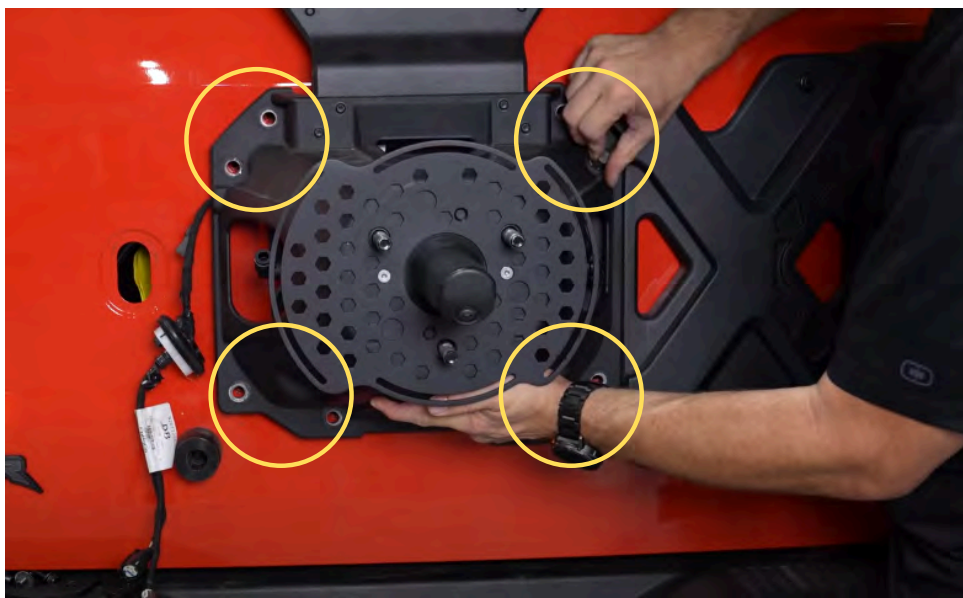
### Step 77 pt.2

Step 77 pt.3

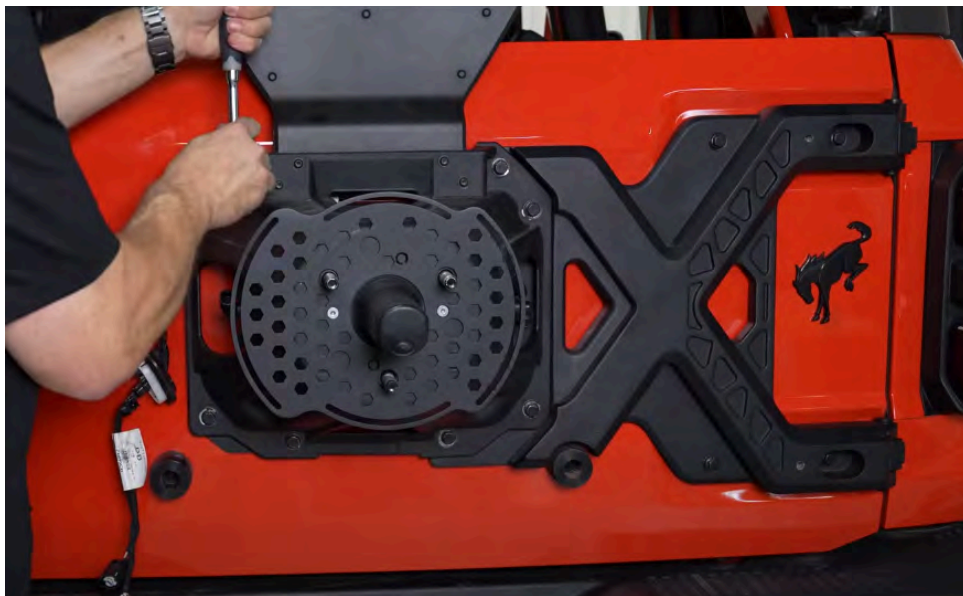


Step 78

Reinstall the spare tire carrier using the eight 13mm bolts and tighten.



Step 78 pt.2





### Step 79

Install the soft 14" air line to the drivers side tank fitting.

17



### Step 80

Install the other end of the soft 14" air line to the air flap fitting from step 77.



### Step 81

Install the soft 19" air line to the passenger side tank fitting.

18

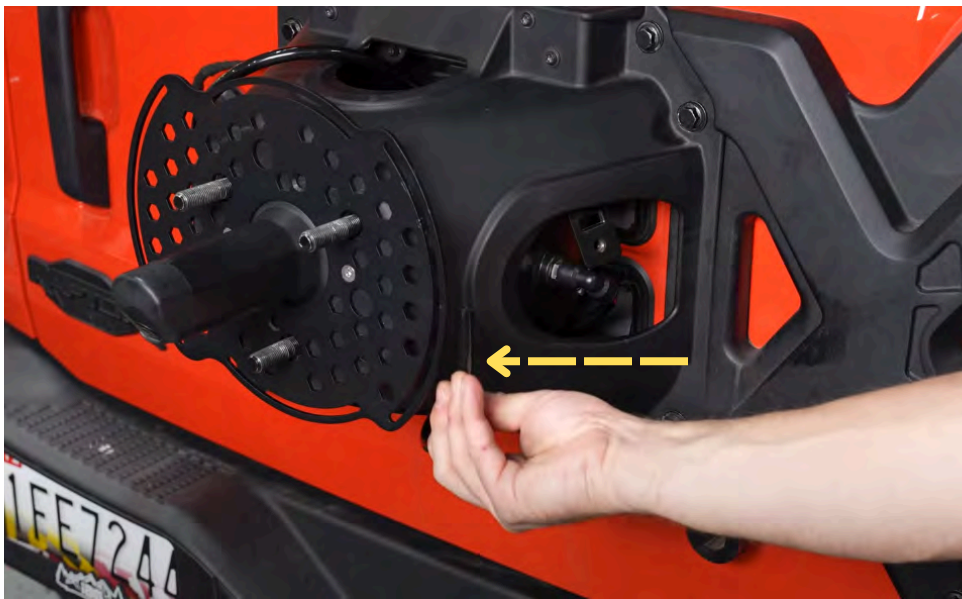




### Step 82

The soft 19" air line can route to the top or bottom depending on air tap location.

Can also be left or right side.



### Step 82 pt.2



### Step 83

Install the air tap to the mount with the two 4mm allen bolts.







#### Step 84

Install the other end of the soft 19" air line from the passenger side of the tank to the air tap fitting.

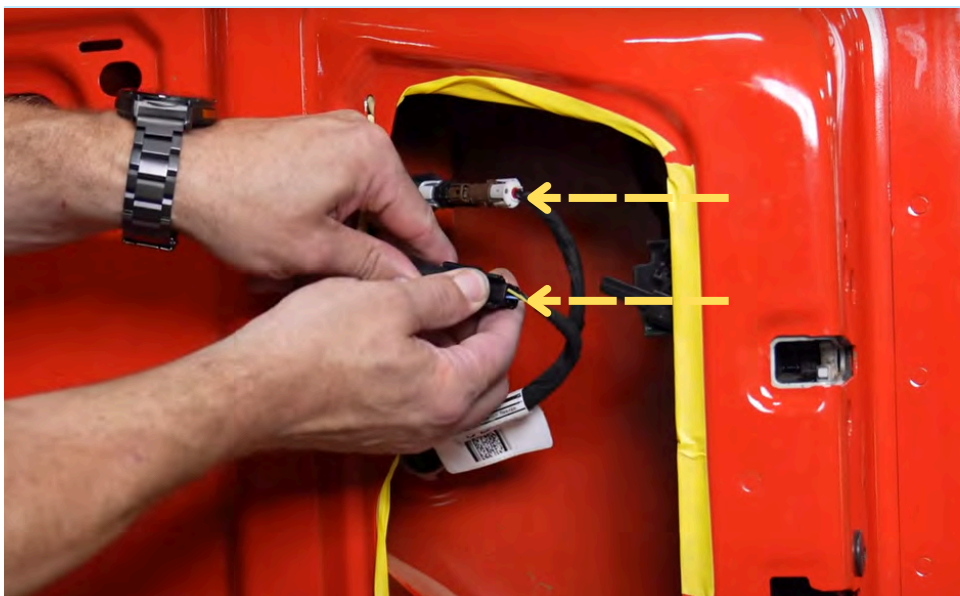


#### Step 85

Reinstall the spare tire and install the provided three extended lug nuts. Make sure the air tap can be accessed.

Adjust as needed.

**11**



#### Step 86

Reinstall the harnesses for the brake light and camera inside the tailgate.

Clip grommet back into place.

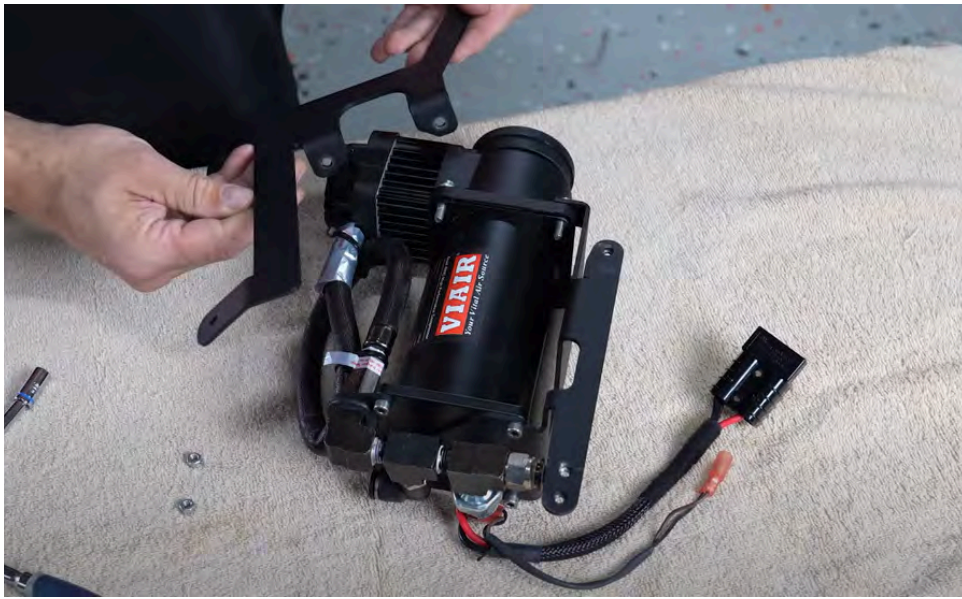
Reference step 58.



### Step 87

Remove the two 8mm locknuts from the lower compressor bracket.

2



### Step 87 pt.2



### Step 88

Install the hard 14" air line to the right hand fitting on the compressor.

17





#### Step 89

Install the compressor harness to the relay harness from step 52.



#### Step 90

Install the 18" hard line from step 77 to the compressor.



#### Step 91

Install the compressor into the tailgate placing the upper left into the pocket.

Then push and rotate the lower right corner into the opening.

Note: Do not pinch the hoses when installing.

Step 91 pt.2



Step 92

Install the top mounting screw.



Step 92 pt.2



### Step 93

Remove the masking tape before installing the middle mounting screw.



### Step 93 pt.2



### Step 94

Install the lower compressor bracket back onto the compressor from step 87.





#### Step 95

Make sure the mounting tabs are on the inside of the tailgate.



#### Step 96

Reinstall the two 8mm locking nuts from step 87.



#### Step 97

Install the lower mounting screw.



### Step 98

Remove the masking tape before installing the cover.



### Step 99

Install the hard 14" air line from step 88 to the back of the cover fitting.



### Step 100

Install the switch harness to compressor harness then the two bullet connectors.

Step 100 pt.2



Step 101

Install the cover with the four 3mm screws.

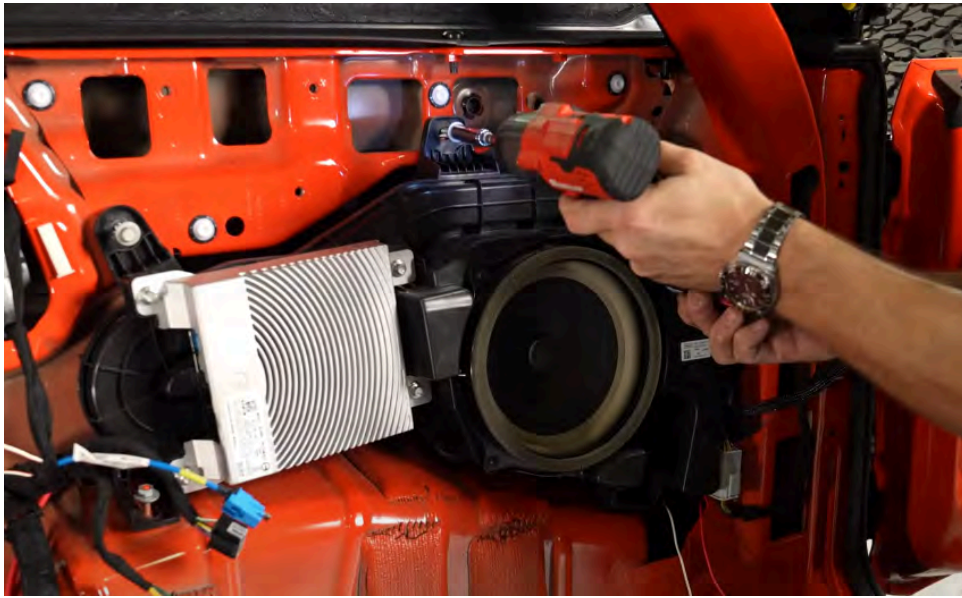


Step 102

Reinstall accessory cover from step 50.

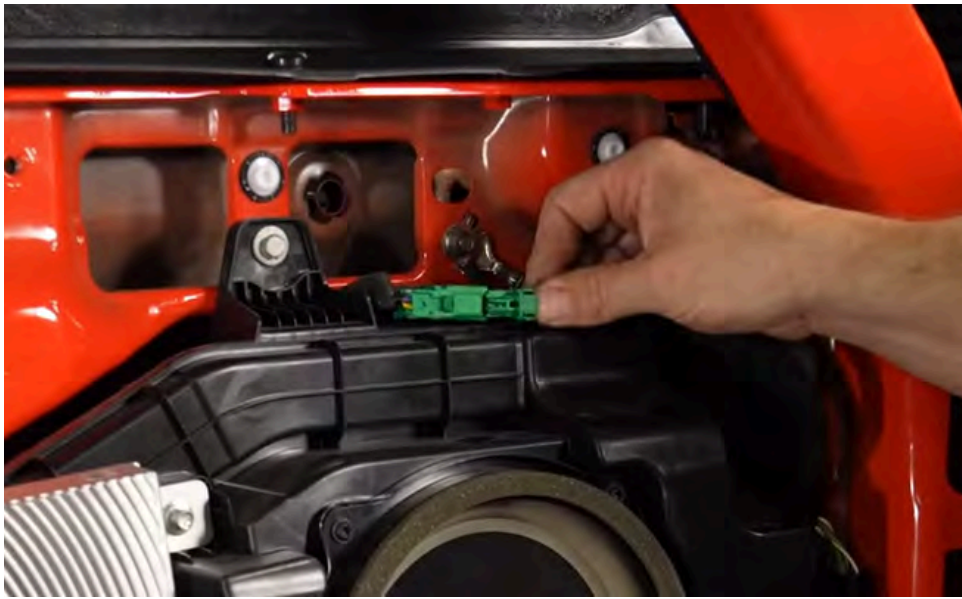






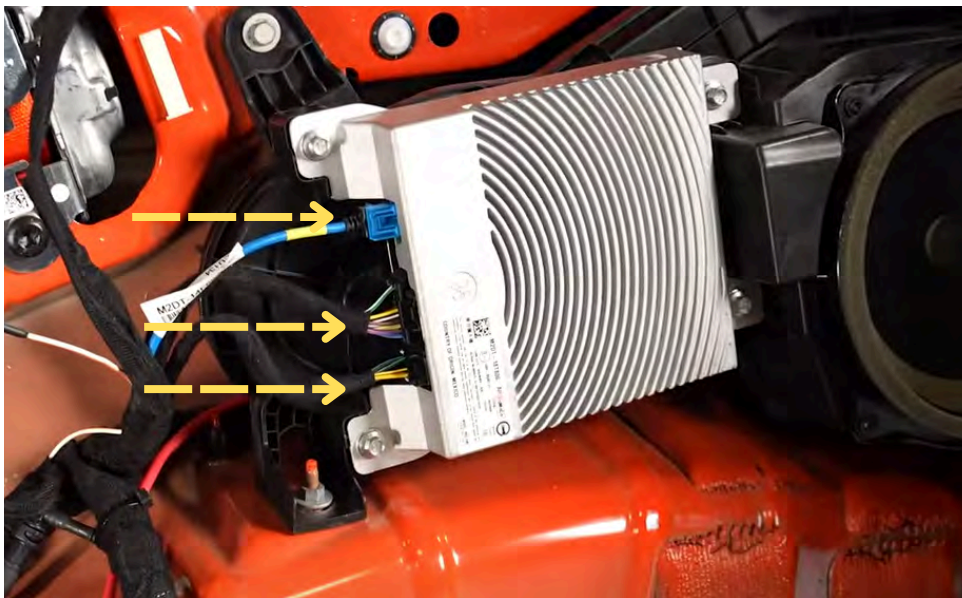
### Step 103

Reinstall the subwoofer (if equipped).

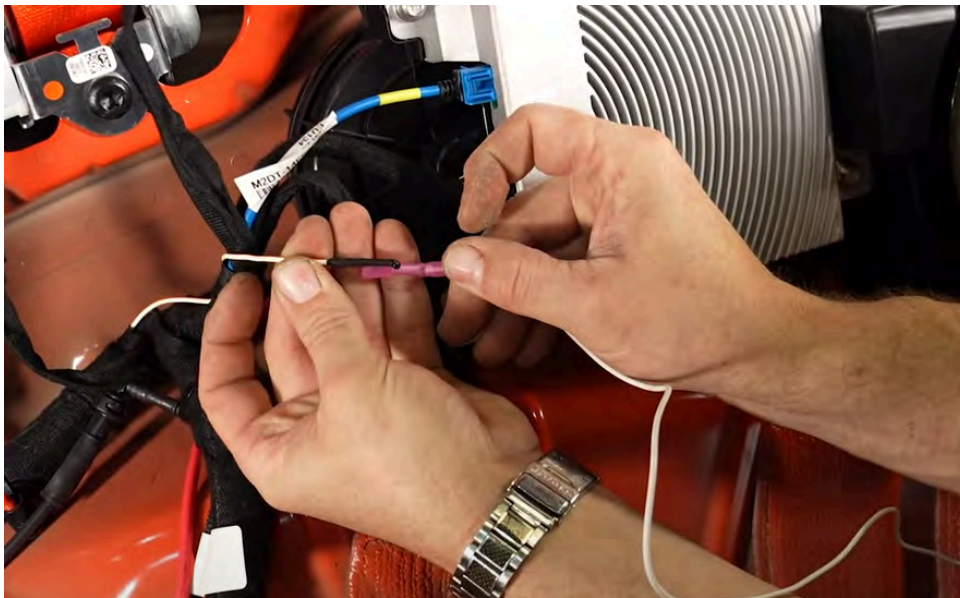


### Step 104

Reinstall the amplifier harness.



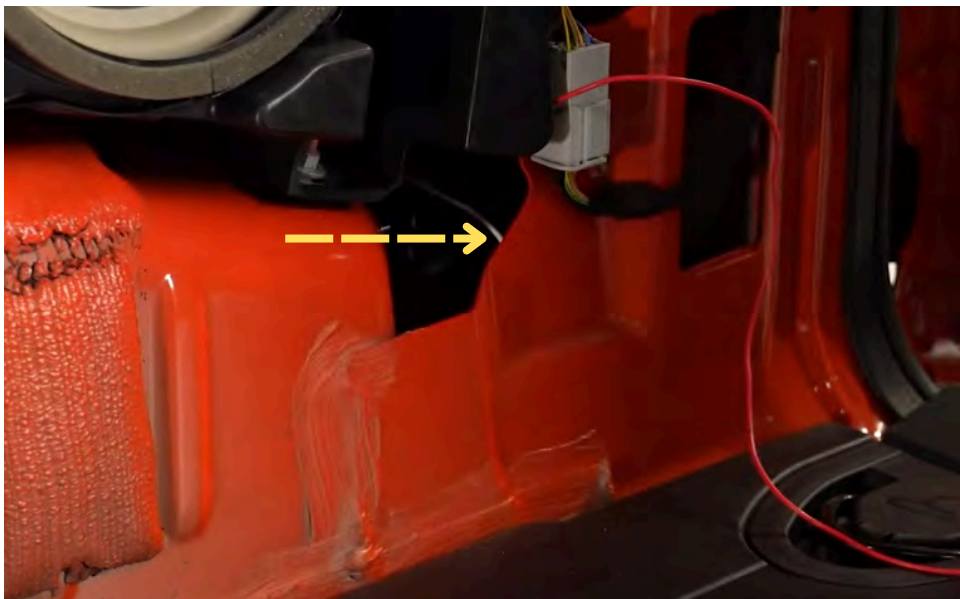
### Step 104 pt.2



### Step 105

Optional aux switch power hook up.

Refer to the owners manual for aux switch wiring.



### Step 106

Stow away the aux switch power wire if not being used.



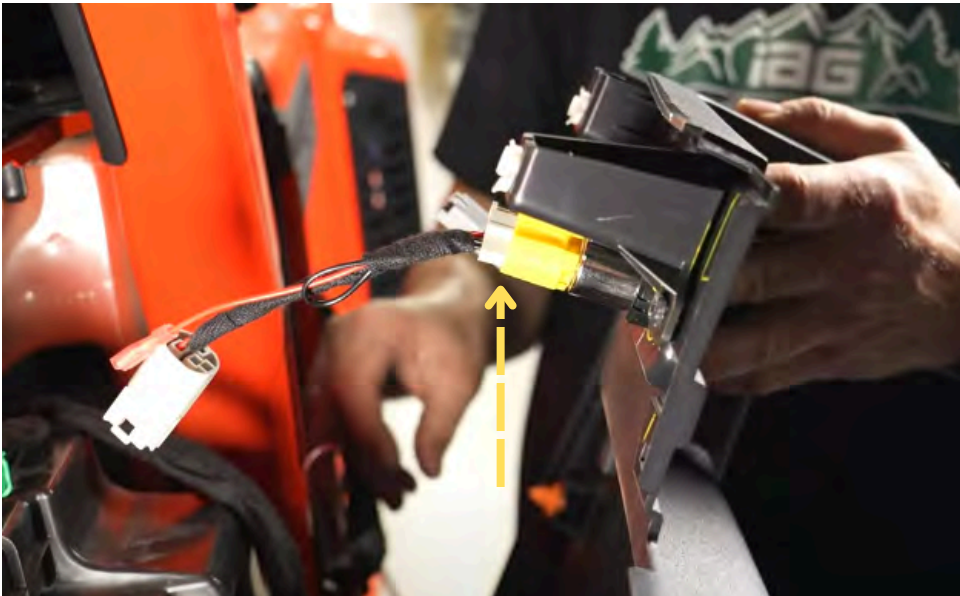
### Step 107

Install the adapter harness and plug in the 12V wire from the relay.

**10**



Step 107 pt.2



Step 107 pt.3



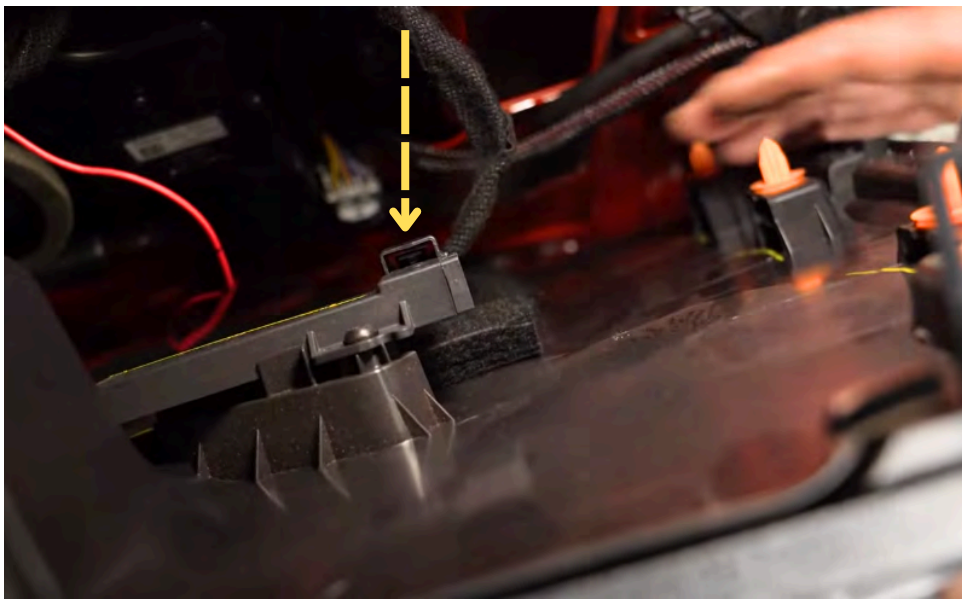
Step 108

Reinstall the three harnesses from step 9.





Step 108 pt.2



Step 108 pt.3



Step 109

Reinstall the rear trim panel from step 8.



#### Step 110

Reinstall the D-pillar trim panel from step 7.



#### Step 111

Reinstall the trunk trim panel if it popped out during install.



#### Step 112

Reinstall access trim panel from step 4.



### Step 113

Reinstall the rear passenger door sill trim panel from step 2.



### Step 114

Reinstall the rear seat lower trim from step 3.



### Step 115

Reinstall the battery terminal.



### Step 116

Turn the compressor on to fill the tank. Compressor turns off when tank is full.



### Step 117

Hook up the air line to function check the system.

**Air line is not included.**



### Step 117 pt.2

Finished look.



If you have any questions about the product or install please reach out to [support@iagoffroad.com](mailto:support@iagoffroad.com) or call 410-840-3555