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Rough Country 10658 Installation Instructions

Tubular Front and Rear Door Set for Ford Bronco (2021-2025)

Part number: 10658

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Scan for fitment, price and install help

21 - UP Bronco Tube Door Kit

Thank you for choosing Rough Country for all of your suspension needs.

Rough Country recommends that a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle. Please read all the instructions before beginning the installation. Check the kit hardware against the ''Kit Contents'' list below. If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Check and retighten wheels at 50 miles and again at 500 miles. Periodically check all hardware for tightness. Be sure you have all the needed parts and understand where they go. Also, please review the "Tools Needed" list to be certain you have the necessary tools to complete the installation.

NOTICE TO DEALER AND VEHICLE OWNER

⚠WARNING Any vehicle equipped with any Rough country product must have the "Warning to Driver" decal installed on the sun visor or dash. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALER—It is your responsibility to install the warning decal and to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.



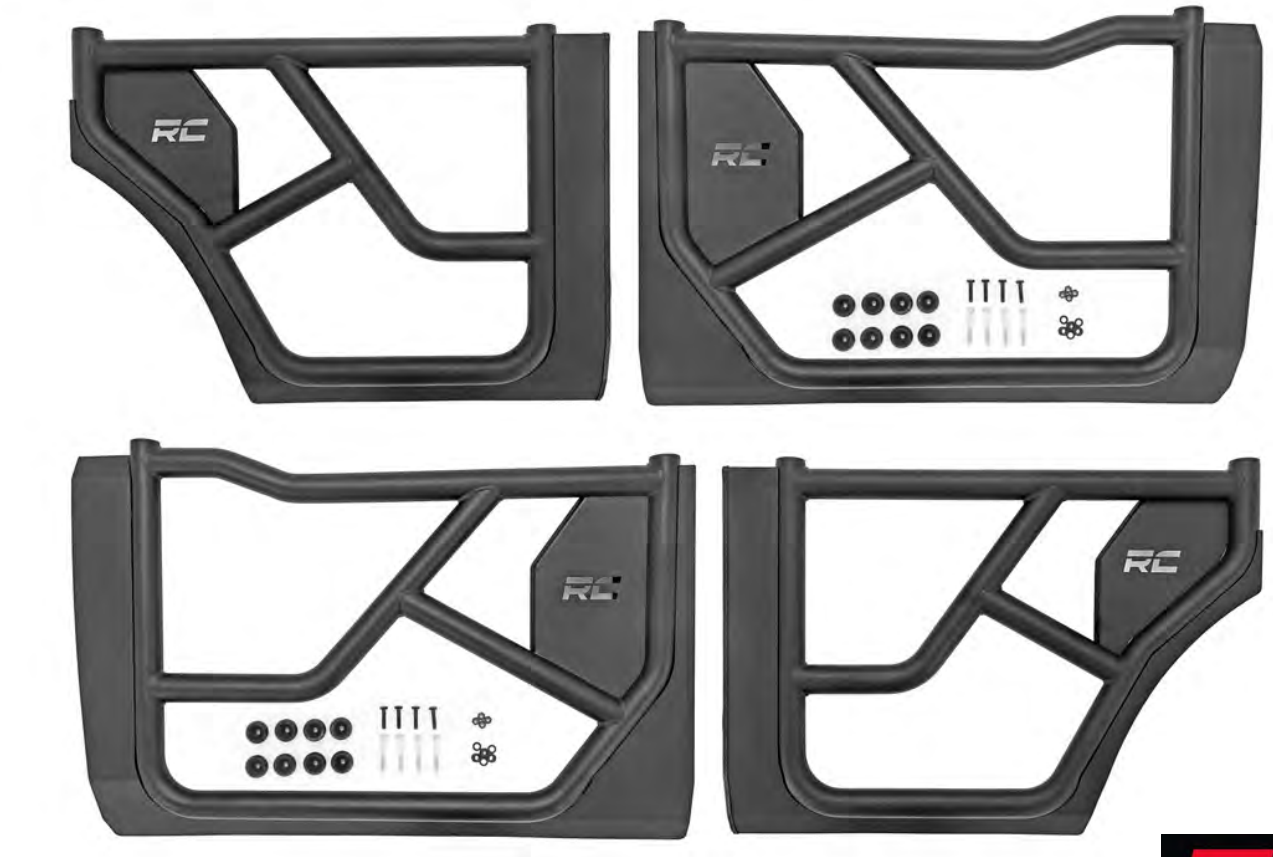
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Bronco Tube Door 4 Door Kit

TOOLS NEEDED:
Painters Tape
Diagonal Cutter
Metric Wrench/Socket
10mm Wrench
13mm Socket/ Wrench

KIT CONTENTS:
Driver Front Door
Driver Rear Door
Pass Front Door
Pass Rear Door
Delrin Hinge Pin (8)
Thick Hinge Plate (8)
Thin Hinge Plate (16)
Rubber Door Stop (4)
Driver Door Latch (2)
Pass Door Latch (2)
Driver Door Latch Bracket (2)
Pass Door Latch Bracket (2)
Rubber Edge Guard
Thick Latch Spacer (8)
Thin Latch Spacer (8)

HARDWARE INCLUDED:
4 Door Model
4mm x 20mm Button Head Bolt (4)
4mm Washer (4)
6mm x 25mm Button Head Bolt (16)
6mm Washer (36)
6mm Lock Nut (8)
6mm Lock Washer (8)
8mm x 35mm Button Head Bolt (16)
8mm x 60 Button Head Bolt (8)
8mm Washer (40)
8mm Lock Nut (24)



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Bronco Tube Door 2 Door Kit

TOOLS NEEDED:
Painters Tape
Diagonal Cutter
Metric Wrench/Socket
10mm Wrench
13mm Socket/ Wrench

KIT CONTENTS:
Driver Front Door
Pass Front Door
Delrin Hinge Pin (4)
Thick Hinge Plate (4)
Thin Hinge Plate (8)
Rubber Door Stop (2)
Driver Door Latch
Pass Door Latch
Driver Door Latch Bracket
Pass Door Latch Bracket
Rubber Edge Guard
Thick Latch Spacer (4)
Thin Latch Spacer (4)

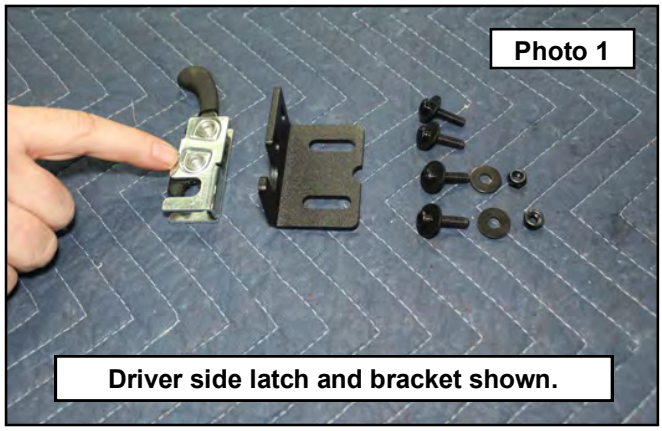
HARDWARE INCLUDED:
2 Door Model
4mm x 20mm Button Head Bolt (2)
4mm Washer (2)
6mm x 25mm Button Head Bolt (8)
6mm Washer (18)
6mm Lock Nut (4)
6mm Lock Washer (4)
8mm x 35mm Button Head Bolt (8)
8mm x 60 Button Head Bolt (4)
8mm Washer (20)
8mm Lock Nut (12)

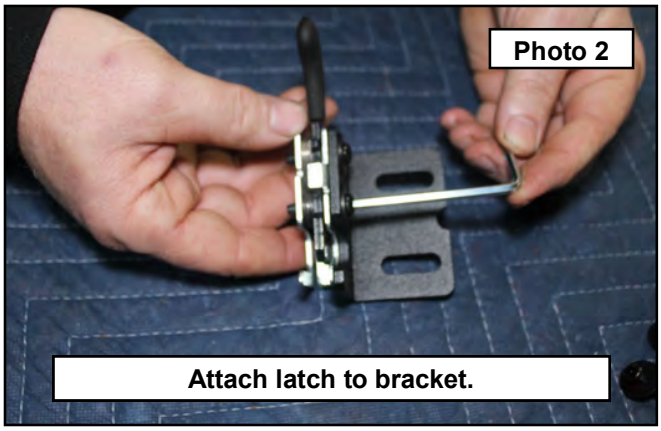


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Tube Door Assembly

1. Park your vehicle on a clean flat surface, engage the parking brake and block the rear tires.
2. **Save all hardware removed from the vehicle unless otherwise noted.**
3. Lay out all of the parts from the kit. Locate the door latch and its corresponding latch bracket. Notice the latch has recessed pockets for the rivets that clamp it together. These must be assembled so that the recessed portion fits against the latch bracket. Shown is the drivers door latch and bracket in the photos. Assemble the latch to the bracket using the provided 8mm x 25mm button head bolts, 8mm washers and hex key wrench. Do not fully tighten at this time as you will be adjusting this once on the vehicle. **Photo 1 / 2**





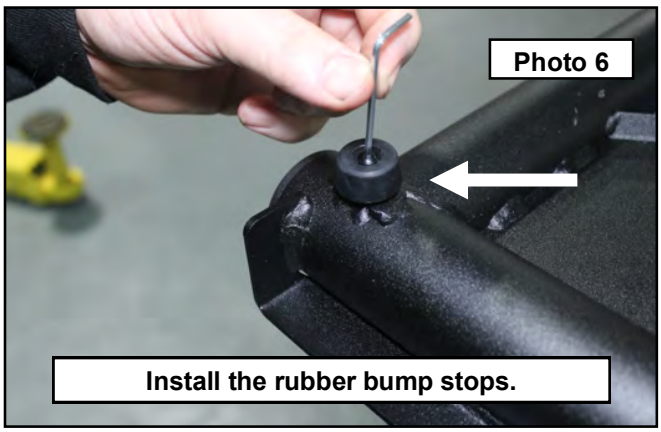
4. Attach the assembled latch assembly to the door using the provided 8mm x 25mm button head bolts, washers and locking nuts. Use the provided hex wrench and a 10mm wrench to snug the hardware. You will be adjusting all points of the door assembly once on the vehicle. **Photo 3 / 4**





5. Locate the rubber bump stops, 4mm button head bolt, 4mm washer, and two 6mm washers. Insert the 4mm bolt and washer into the rubber bumper stop, place two 6mm washers under the bump stop and install to the door using the provided hex key wrench. Two washers is a starting point for the bump stop. You may have to remove or add washers as needed later. **Photo 5 / 6**

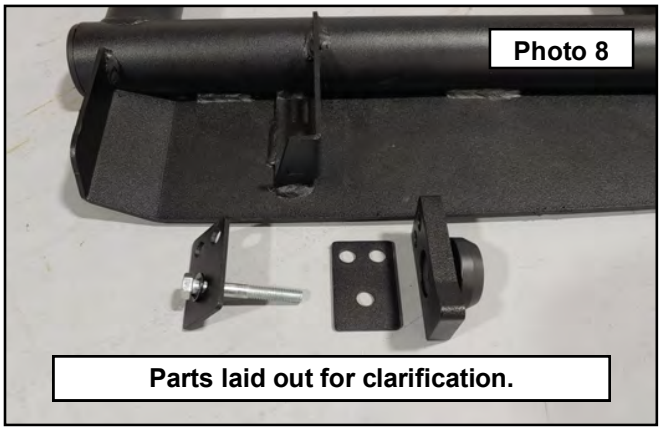




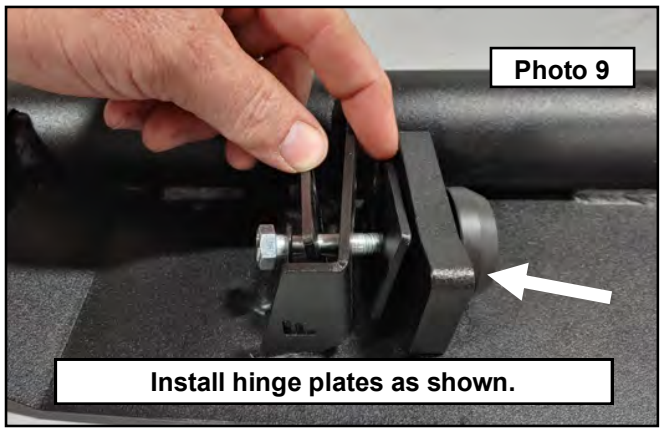
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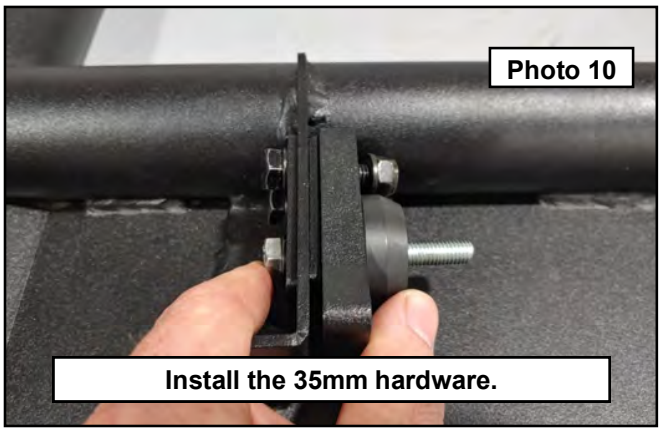
6. Locate the hinge parts shown in the picture. This represents one hinge point of the door. Two thin hinge plates, one thick hinge plate, one Delrin hinge pin, and hardware. The upper hinges will get two 8mm x 35mm bolts (these are the locking bolts for the adjustment) and one 8mm x 65mm bolt and the lower hinges will get three 8mm x 35mm bolts (two bolts are the locking bolts for the adjustment). **Photo 7**
7. Install a 65mm bolt through a thin hinge plate center hole and install a Delrin hinge pin into the thick hinge plate. **Photo 8**



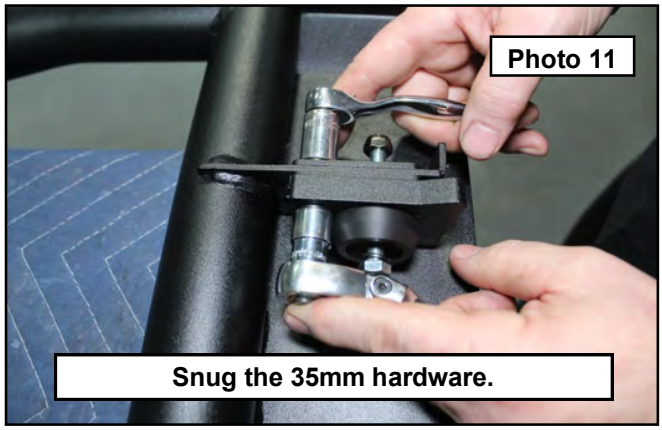


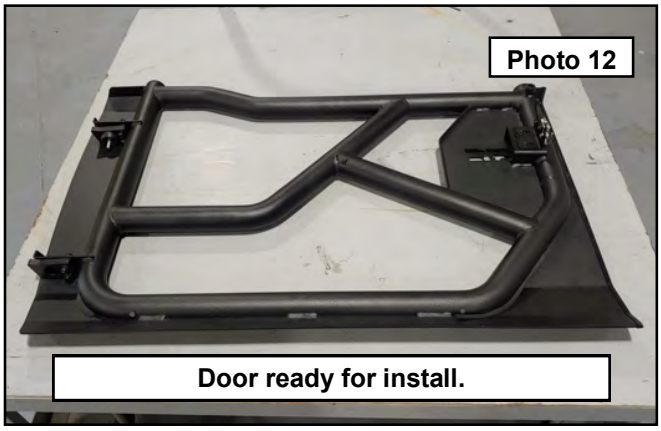
8. Install the bolt and one thin plate to the door hinge plate, another thin hinge plate, through the thick hinge plate, and through the Delrin hinge pin as shown. Make sure the thick plate has the angled end facing as shown. This is the hard stop for the doors when opening. The 65mm bolt just helps line everything up at this time. **Photo 9**
9. Install the 35mm bolts, washers and locking nuts to the two remaining back holes. **Photo 10**





10. With everything lined up, use two 13mm sockets to snug down the 8mm x 35mm bolts. Do not fully tighten, but you do want these tight enough that they don't just move around freely. Once done, remove the Delrin hinge pin and 65mm bolt. Repeat the process for all hinge points. The doors are now ready for their install. **Photo 11 / 12**

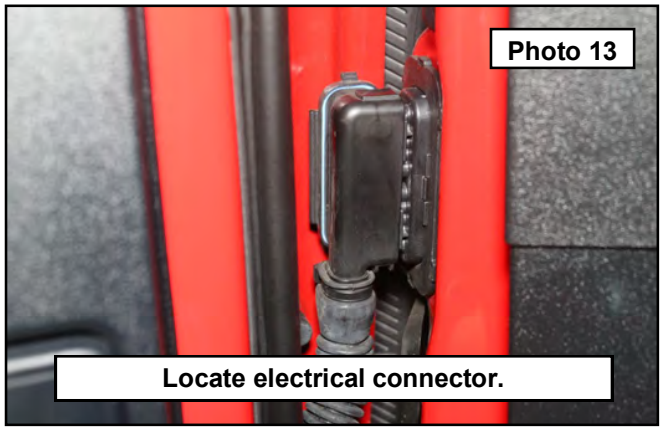


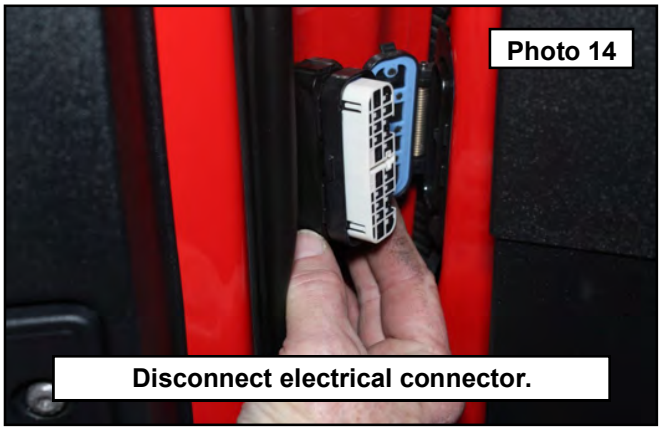


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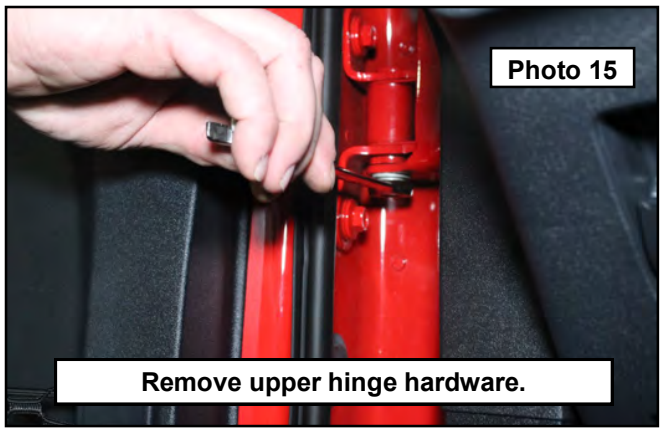
Factory Door Removal

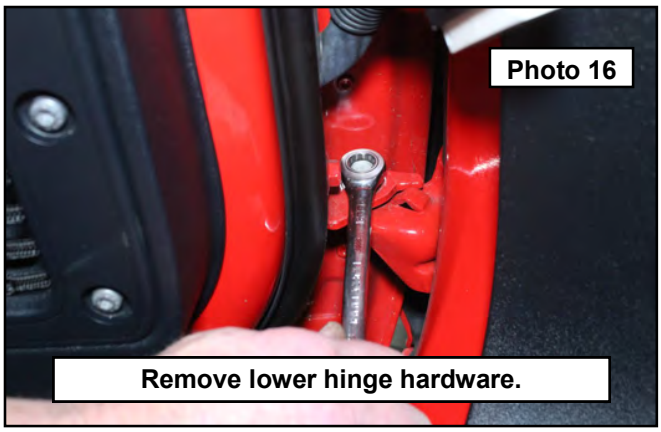
11. Roll the windows all the way down, fold the mirror all the way towards the front of the vehicle, and open the door all the way. Disconnect the electrical connectors at each door. Push the locking lid off the connector and pull connector away from the door pillar. **Photo 1 / 2**



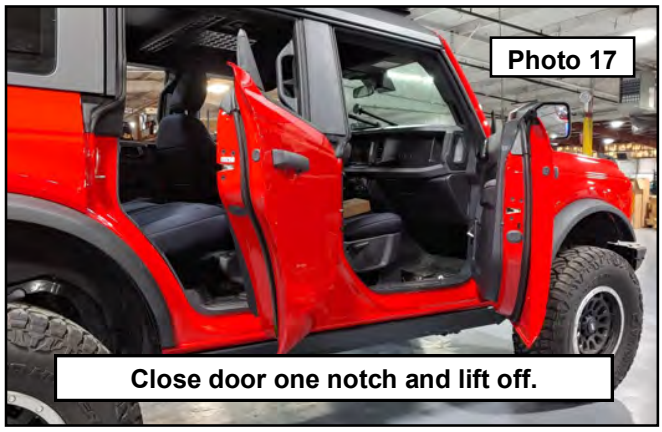


12. Remove the door hardware using a 13mm wrench. These tools come with the vehicle in its tool pouch. **Photo 3 / 4**





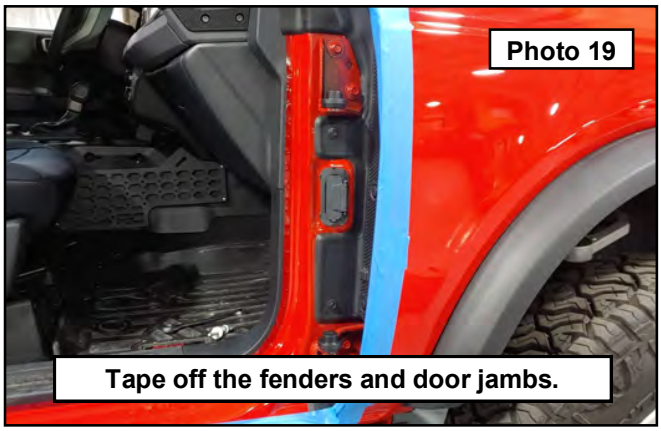
13. Grab a helper and lift the door off the hinges and set aside. **Photo 5 / 6**

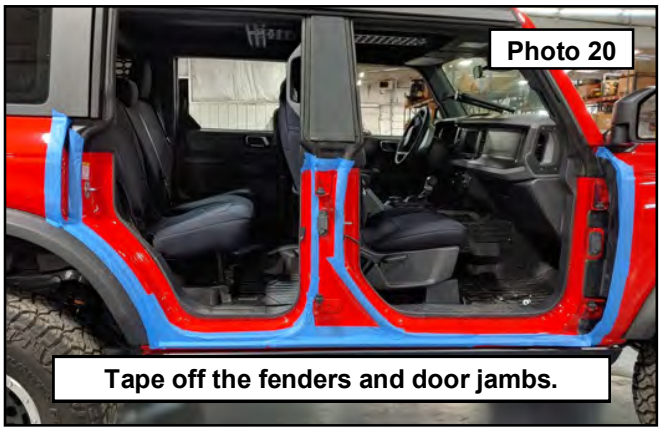




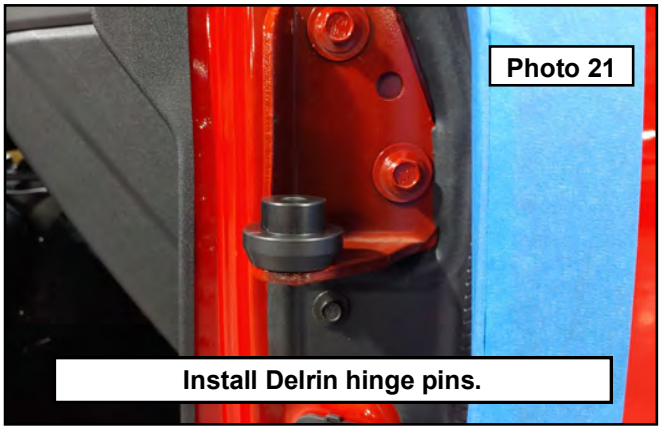
Tube Door Installation

14. To help protect the paint of the vehicle, cover the fender edges and door jambs with painters tape. Once the doors are adjusted and the hinges / latch hardware are tight, the process for removal and installation will be as simple as it is for the factory doors minus the electrical connections. Start with the front doors if installing on a 4 door model. **Photo 19 / 20**



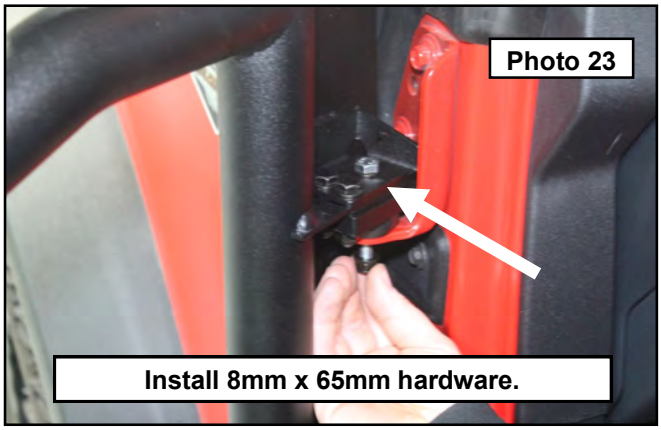


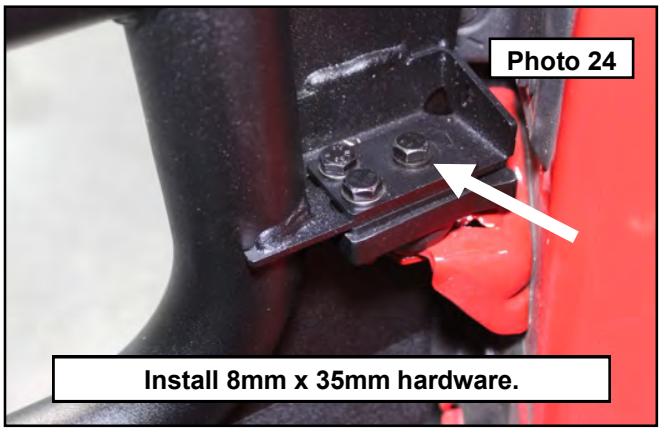
15. Drop the Delrin hinge pins onto the vehicle hinge plates. These will sit over the factory pins. **Photo 21 / 22**



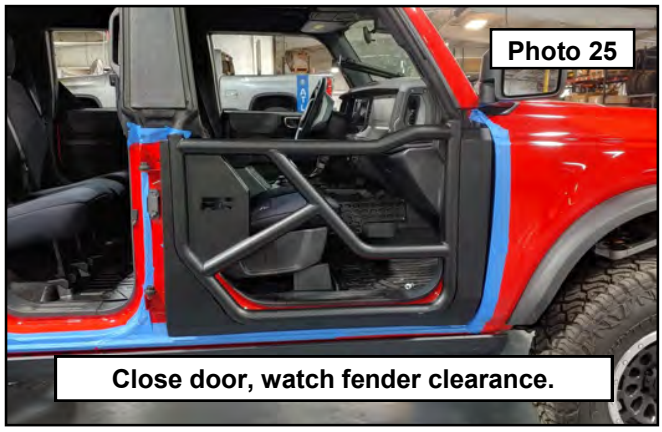


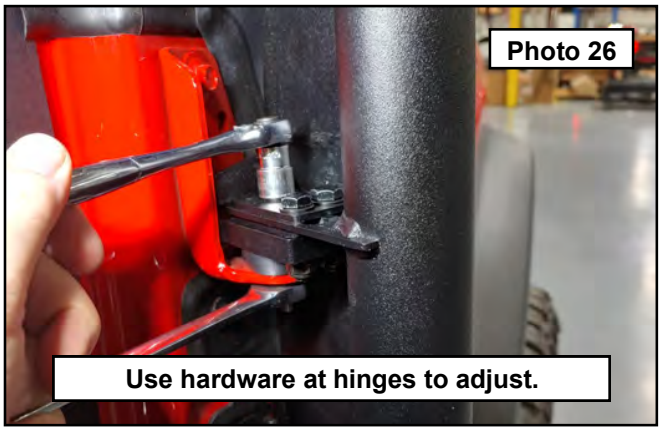
16. Have a helper hold the tube door while guiding it into place onto the Delrin hinge pins. Install the provided 8mm x 65mm bolt, washers and nut for the top hinge and a 8mm x 35mm bolt and washer into the bottom hinge. Snug this hardware down. **Photo 23 / 24**



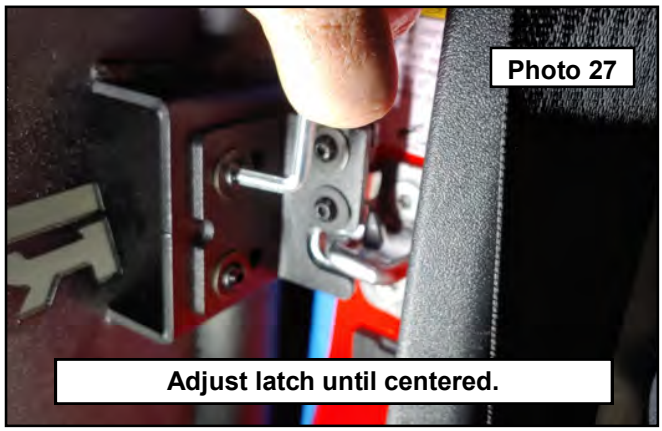


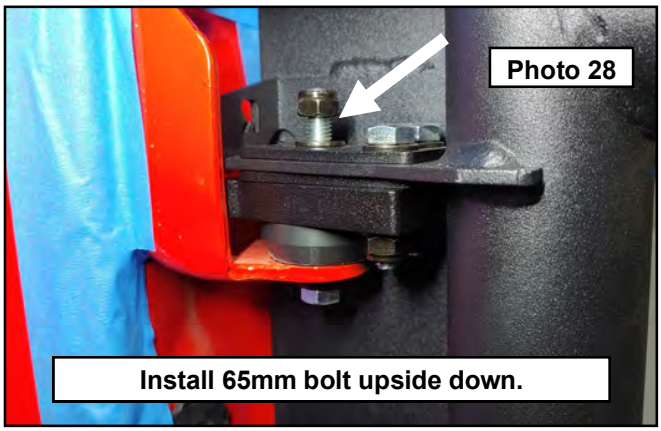
17. Carefully start closing the front door while making sure the front edge is clearing the fender. Each hinge point is capable of adjustment in multiple directions. Adjust as necessary by loosening one hinge at a time just enough to be able to move the door into place and then tightening the hardware down again. **Photo 25 / 26**



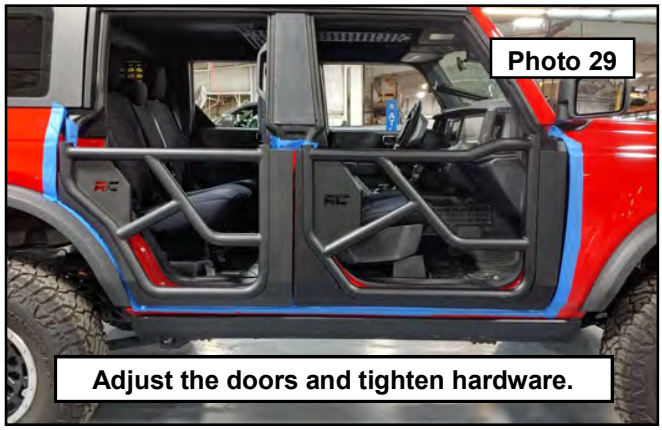


18. On the inside, adjust the door latch until it is centered. You can adjust all 4 points to get the latch to sit properly. **Photo 27**
19. 4 Door models, hang the rear door the same as the front door. You will have to install the 8mm x 65mm bolt from the bottom on the upper hinge. **Photo 28**





20. Continue adjusting all points until everything clears, has even gaps between the doors, fenders, and the latches lock properly. If you find the doors will not latch or rattles after latching, you can add or remove washers from the rubber bump stops. This is a tedious process to get everything lined up and may take multiple attempts to do so. You want about 1/2" gap from all edges and fenders. Once all is set to the desired points, torque the four 8mm x 35 mm locking bolts on the hinges to 35 ft-lbs. These bolts will now keep everything in place so that when you remove the doors, the adjustment is set. This allows you to remove and install again without messing with adjustment. **Photo 29**
21. The kit comes with door edge molding and is optional. To install, slide over the edge and press into place. Cut off the excess with a pair of diagonal cutters. **Photo 30**





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22. Remove the tape and enjoy the weather. To take the doors off, open all the way, remove the 8mm hardware going through the hinge pins. Lift up and off the hinges, set aside. Remove the Delrin hinge pins and store with the doors or in the vehicle for reinstallation later. Reinstall the factory doors by hanging on the hinges. Remember that you need to have the door at a partially closed angle for the detent system to engage. Reinstall the factory hardware and connect the electrical connections. Photo 31



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