

IAG X-Brace Tailgate Hinge Reinforcement for 22+ Ford Bronco Raptor)



IAG-BDY-F3191 IAG X-Brace Tailgate Hinge Reinforcement for 21+ Bronco Raptor

Part# IAG-BDY-F3191

Congratulations on the purchase of your IAG X-Brace Tailgate Hinge Reinforcement for 21+ Bronco Raptor, and thank you for choosing IAG Performance. These instructions are intended for users with basic mechanical skills. Professional installation is not required. The average installation time is approximately 60-90 minutes.

Video instructions can be found at the link below.

www.youtube.com/watch?v=bsBE4GP7Ye4

Step 1/88



IAG-BDY-F3191 IAG X-Brace Tailgate Hinge Reinforcement for 21+ Bronco Raptor

Part# IAG-ACC-F3191

Tools Required For Installation:

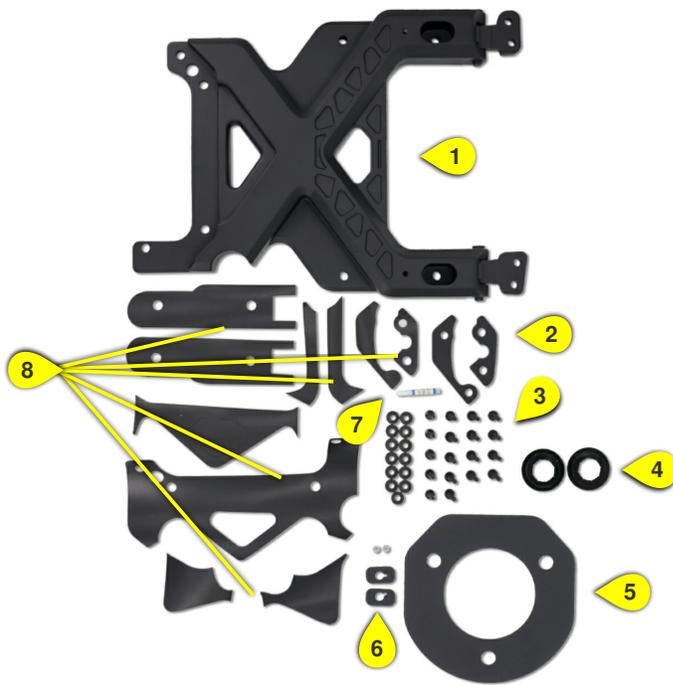
10MM Socket, 13MM Socket, TP45 Torx, TP40 Torx, 6MM Allen, T25 Torx, T20 Torx, Ratcheting Wrench, Phillips Screwdriver

Silver or White Marker, File, Dremel or Sander

Optional: Plastic Body Panel Tool

Step 2/88

Step 3/88



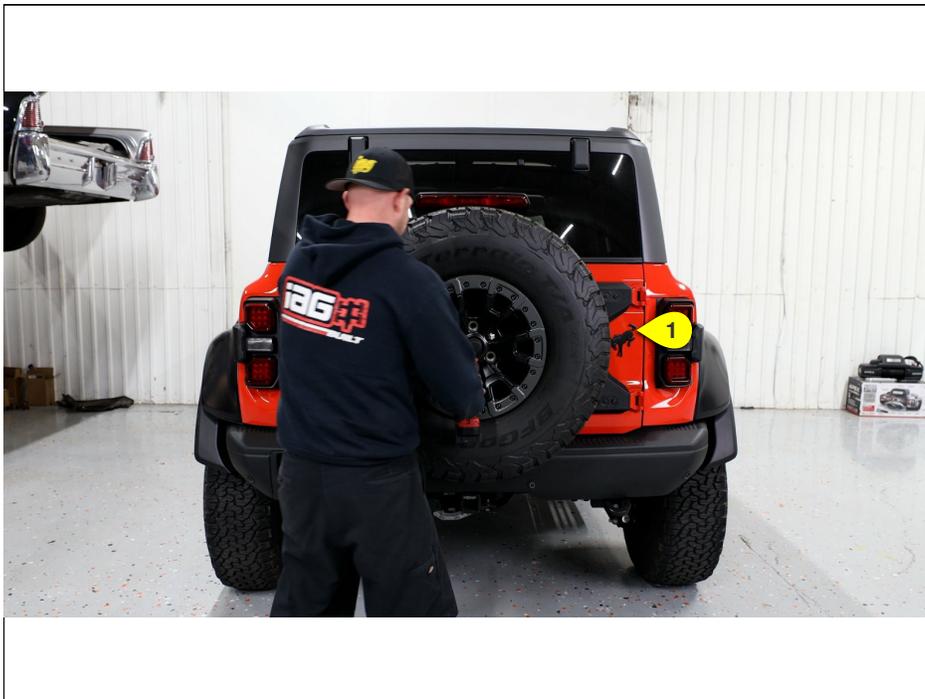
Numbered annotations (8)

- 1 X-Brace Tailgate Reinforcement
- 2 Spare Tire Bracket Spacers
- 3 Hardware
- 4 Bump Stop Bushings
- 5 Wheel Spacer
- 6 Brake Light Tire Spacers and Hardware
- 7 Loctite
- 8 Adhesive Foam Padding



Step 4/88

Before starting your install fold down both back seats of your Bronco Raptor for easy stowing after removing the tailgate



Step 5/88

Numbered annotations (1)

- 1 Remove spare tire

Step 6/88



Step 7/88



Numbered annotations (1)

- 1 Open the tailgate and remove tailgate panel

Step 8/88

Numbered annotations (1)

- 1 Locate two wiring harnesses



Step 9/88





Step 10/88

Numbered annotations (1)

- 1 Disconnect harnesses



Step 11/88

Numbered annotations (1)

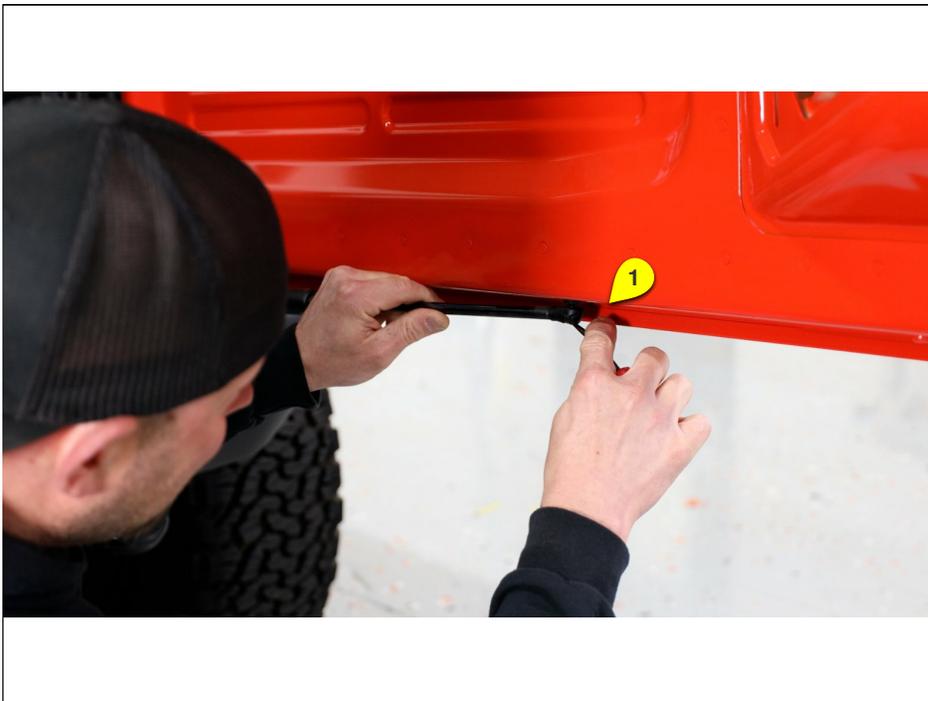
- 1 Remove tailgate wiring harness seal



Step 12/88

Numbered annotations (1)

- 1 Wiring harness seal removed



Step 13/88

Numbered annotations (1)

- 1 Using a pry tool or flathead screwdriver remove tailgate strut

Step 14/88



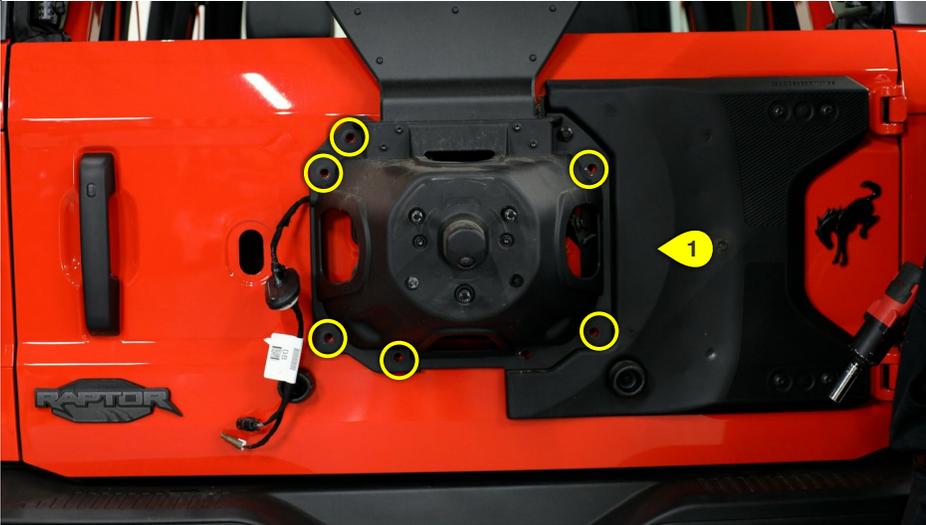
Step 15/88



Step 16/88

Numbered annotations (1)

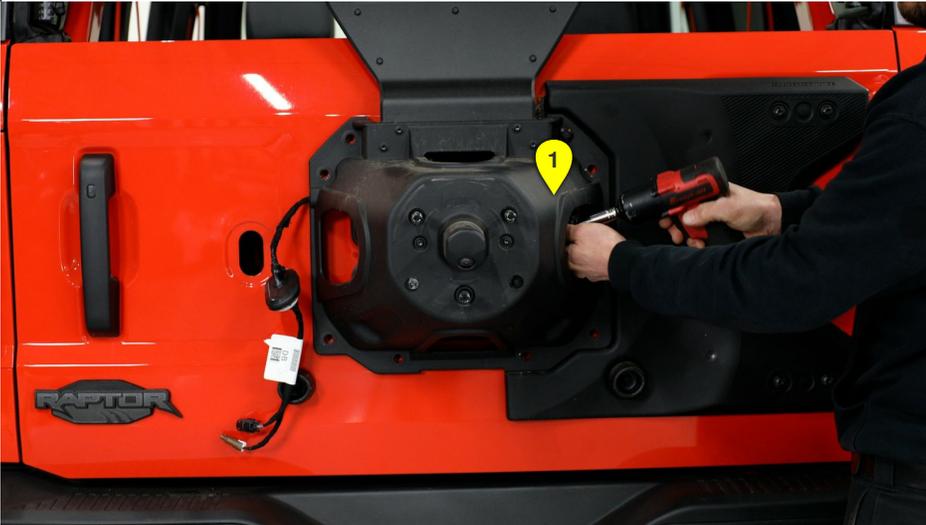
- 1 Using a 13mm wrench/socket remove six (6) bolts from the spare tire bracket



Step 17/88

Numbered annotations (1)

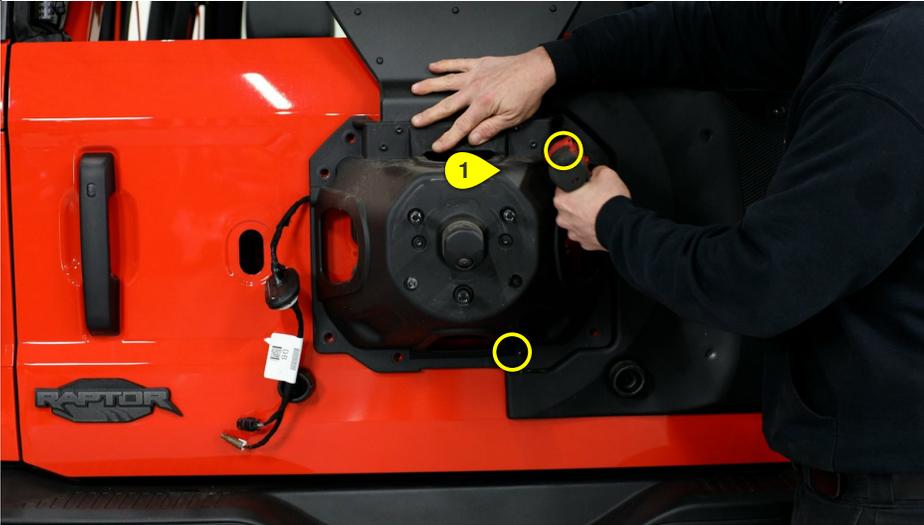
- 1 Remove safety strap bolt with 13mm



Step 18/88

Numbered annotations (1)

- 1 Remove final two (2) 13mm bolts from the spare tire mount



Step 19/88

Numbered annotations (1)

- 1 Remove spare tire mount



Step 20/88

Numbered annotations (1)

- 1 Using TP40 Torx remove hinge cover panel



Step 21/88



Step 22/88

Numbered annotations (1)

- 1 Remove bump stop push pin



Step 23/88

Numbered annotations (1)

- 1 Remove panel



Step 24/88



Step 25/88



Step 26/88

Numbered annotations (1)

- 1 Stowe safety strap over the tailgate



Step 27/88

Numbered annotations (1)

- 1 Using TP45 Torx remove four (4) hinge bolts



Step 28/88



Step 29/88



Step 30/88



Step 31/88

Numbered annotations (1)

- 1 Towel used to support tailgate



Step 32/88

Numbered annotations (1)

- 1 Open tailgate hinges



Step 33/88

Numbered annotations (2)

- 1 Painters tape added for protection of the sides and corners
- 2 With one hand supporting the hinge end tailgate use the other to hold the handle and unlatch your tailgate (be sure you folded down both rear seats before this step)



Step 34/88

Numbered annotations (1)

- 1 Place your tailgate handle side first into you cargo area



Step 35/88

Numbered annotations (1)

- 1 Place box or something for support of the tailgate to keep the wiring harness from being tight



Step 36/88



Numbered annotations (1)

- 1 Remove hinge trim panel by removing four (4) push pins

Step 37/88



Numbered annotations (1)

- 1 Using 10mm wrench/socket remove bolts from hinge trim cover

Step 38/88

Numbered annotations (1)

- 1 Remove hinge trim panel



Step 39/88

Numbered annotations (1)

- 1 Hinge panel removed



Step 40/88

Numbered annotations (1)

- 1 Using 13mm socket remove bottom hinge bolt



Step 41/88

Numbered annotations (1)

- 1 While holding the hinge remove the top 13mm bolt from the bottom hinge



Step 42/88



Numbered annotations (1)

- 1 Remove bottom 13mm bolt for the upper hinge

Step 43/88



Numbered annotations (1)

- 1 With one hand on the hinge while removing top 13mm bolt from the upper hinge

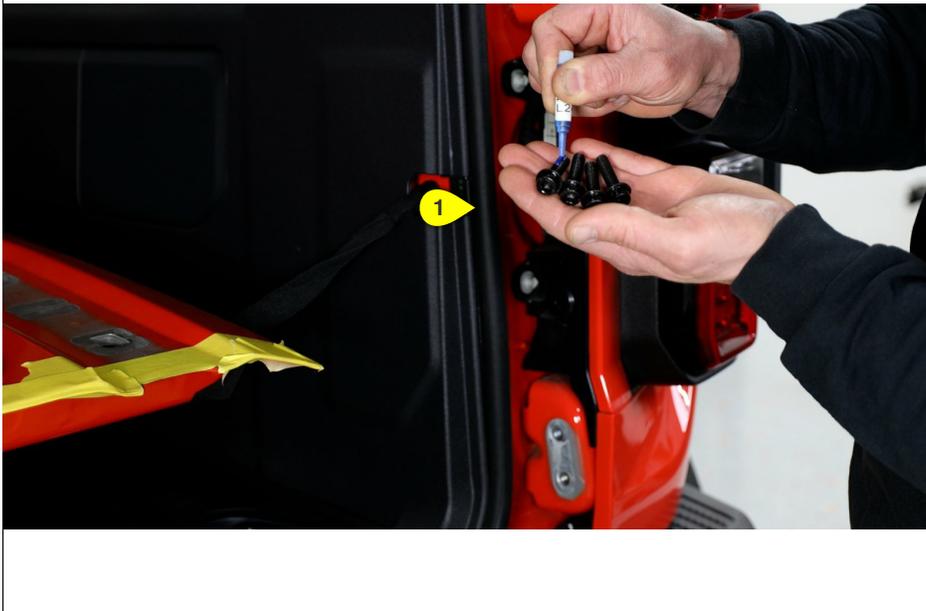
Step 44/88



Numbered annotations (2)

- 1 Install adhesive foam padding to the backside of the X-Brace
- 2 Refer to the diagram for the proper layout

Step 45/88



Numbered annotations (1)

- 1 Add Loctite to four (4) supplied 6mm Allen head hinge bolts

Step 46/88



Numbered annotations (1)

- 1 Install your X-Brace to the vehicle using four (4) provided 6mm Allen head hinge bolts, keeping the bolts centered in the X-Brace bolt holes

Step 47/88



Numbered annotations (1)

- 1 Using a 6mm Allen tighten the four (4) hinge bolts

Step 48/88

Numbered annotations (1)

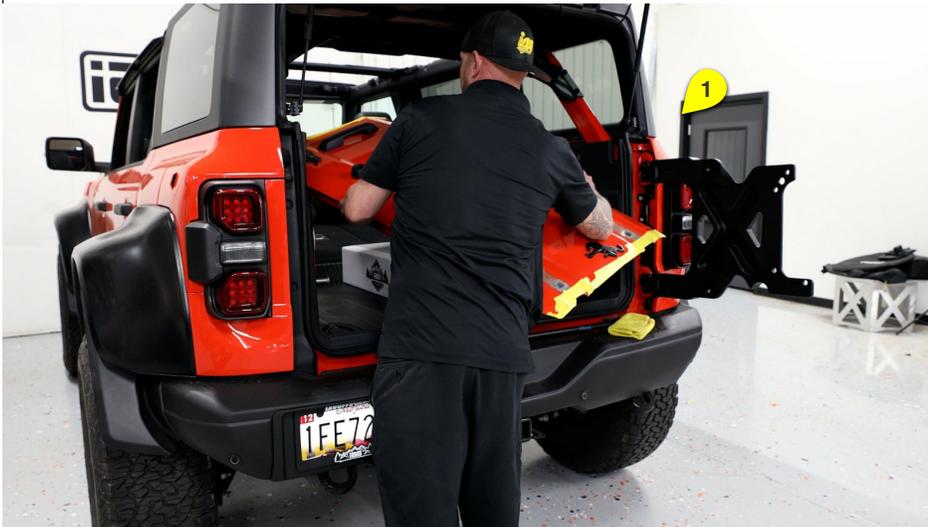
- 1 X-Brace installed



Step 49/88

Numbered annotations (1)

- 1 Carefully remove your tailgate from the cargo area



Step 50/88

Numbered annotations (2)

- 1 Support the hinge side with a towel
- 2 Secure your tailgate via tailgate latch



Step 51/88



Step 52/88

Numbered annotations (1)

- 1 Gently close the X-Brace to the tailgate



Step 53/88

Numbered annotations (1)

- 1 Hand tighten all four (4) provided 13mm hinge bolts



Step 54/88

Numbered annotations (1)

- 1 Using a 13mm socket tighten four (4) hinge bolts



Step 55/88

Numbered annotations (1)

- 1 Remove support towel and check function of the tailgate



Step 56/88



Numbered annotations (1)

- 1 Check the alignment of the body to the tailgate

Step 57/88



Numbered annotations (1)

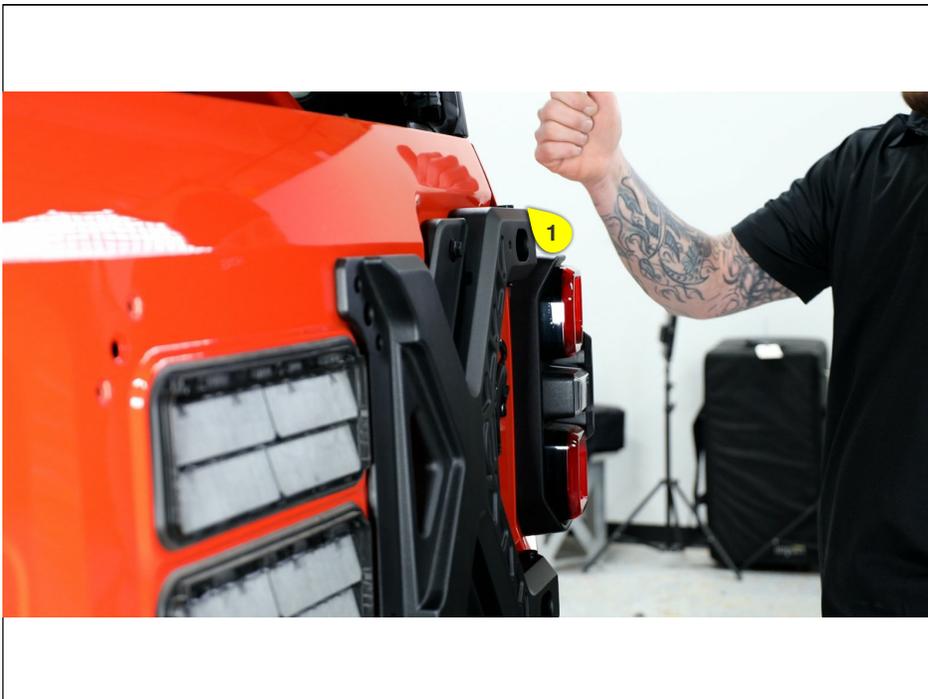
- 1 If needed adjust the hinge bolts for correct alignment and tighten down



Step 58/88

Numbered annotations (1)

- 1 If needed adjust X-Brace tailgate bolts for alignment and tighten down



Step 59/88

Numbered annotations (1)

- 1 Correct alignment



Step 60/88

Numbered annotations (1)

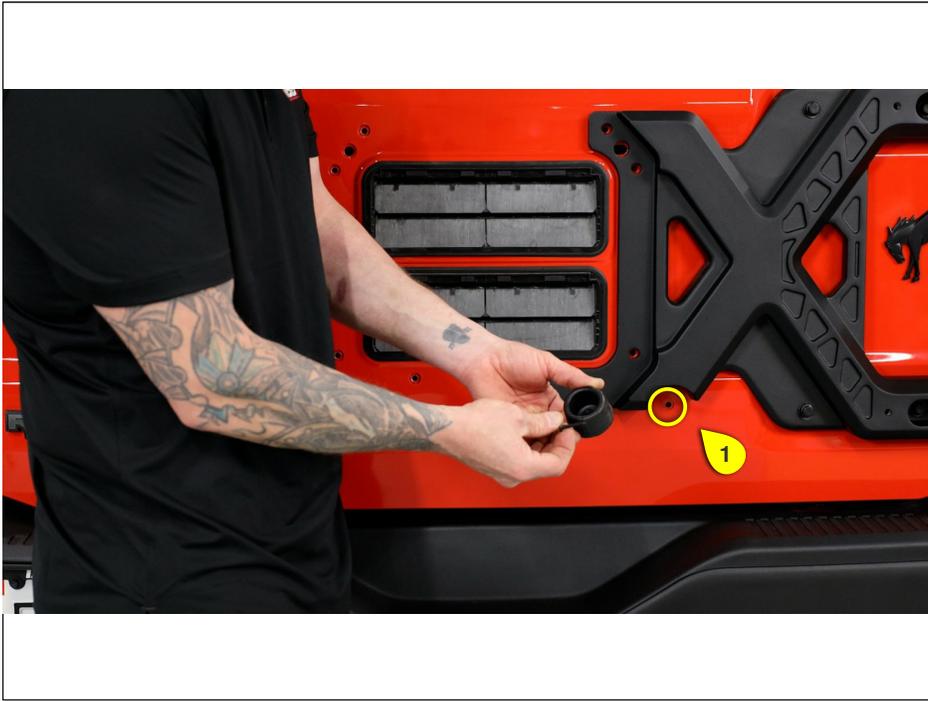
- 1 Reinstall tailgate strut



Step 61/88

Numbered annotations (1)

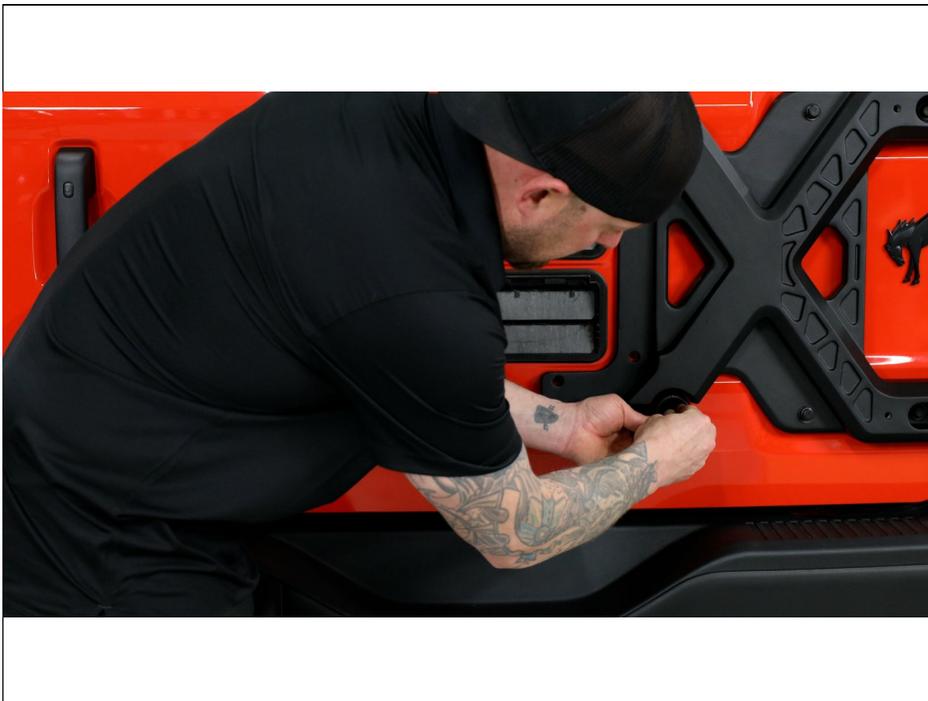
- 1 Strut correctly installed



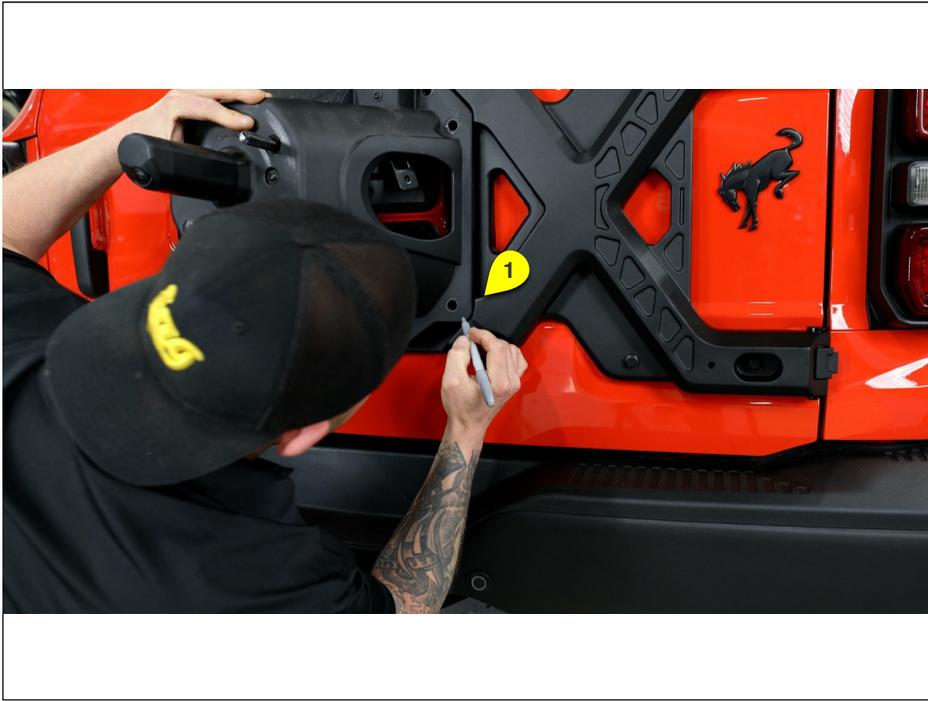
Step 62/88

Numbered annotations (1)

- 1 Reinstall the bump stop



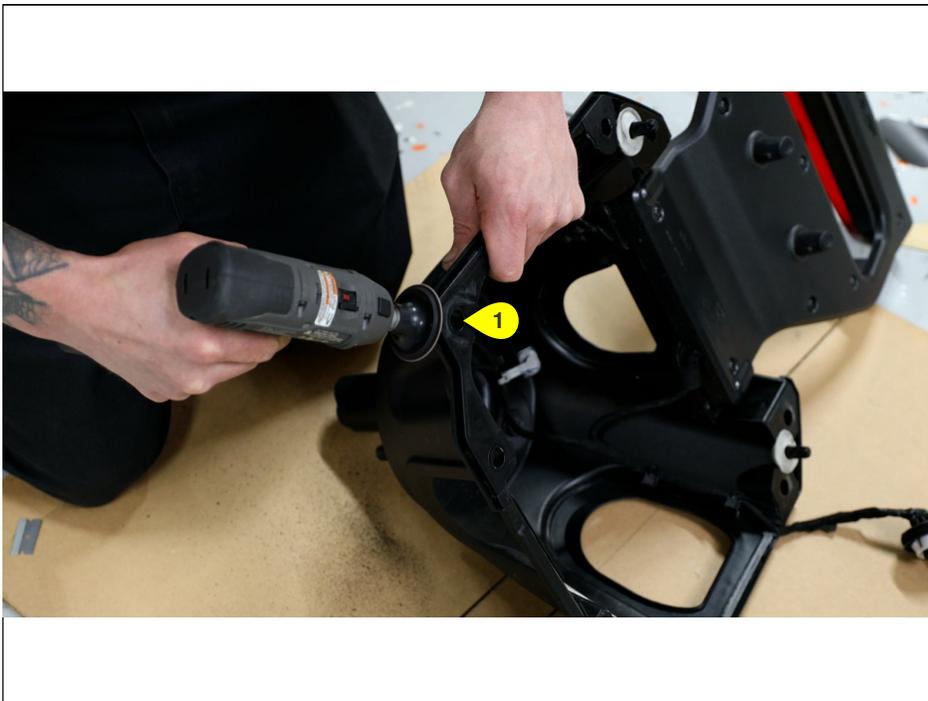
Step 63/88



Step 64/88

Numbered annotations (1)

- 1 Mark your tire mount where it will need to be trimmed



Step 65/88

Numbered annotations (1)

- 1 Remove material to your mark using a Sander, File or Dremel

Step 66/88



Numbered annotations (1)

- 1 Material removed

Step 67/88



Numbered annotations (1)

- 1 Thread your wiring harnesses through and reinstall your tailgate wiring harness seal

Step 68/88



Numbered annotations (1)

- 1 Align and hand tighten four (4) 13mm provided bolts to the passenger (right) side of the spare tire mount

Step 69/88



Numbered annotations (1)

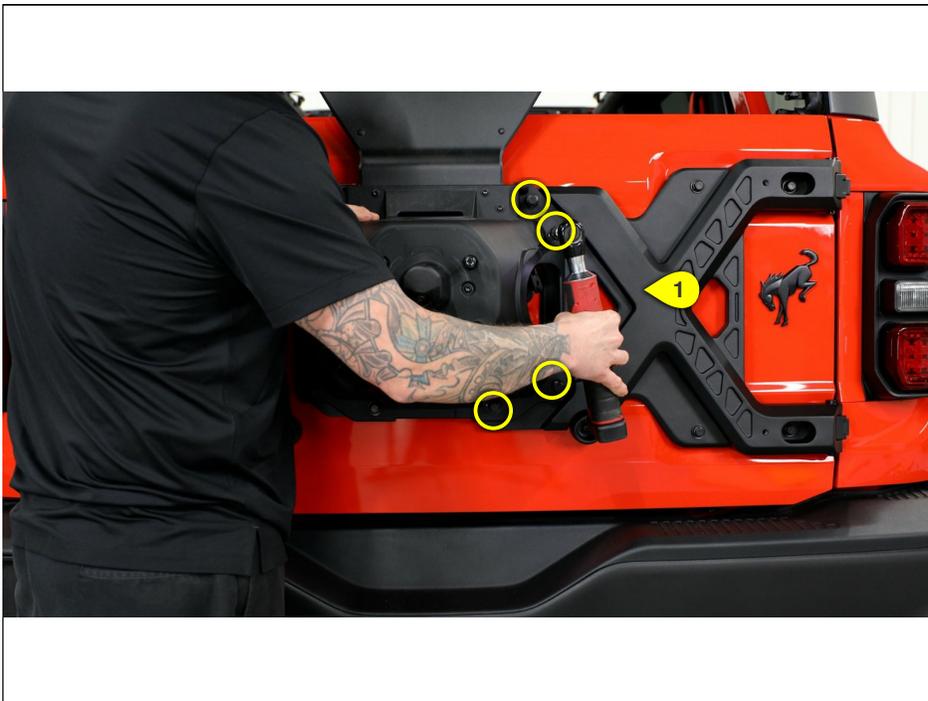
- 1 Install bottom spacer with two (2) provided 13mm bolts



Step 70/88

Numbered annotations (1)

- 1 Install top spacer with two (2) provided 13mm bolts

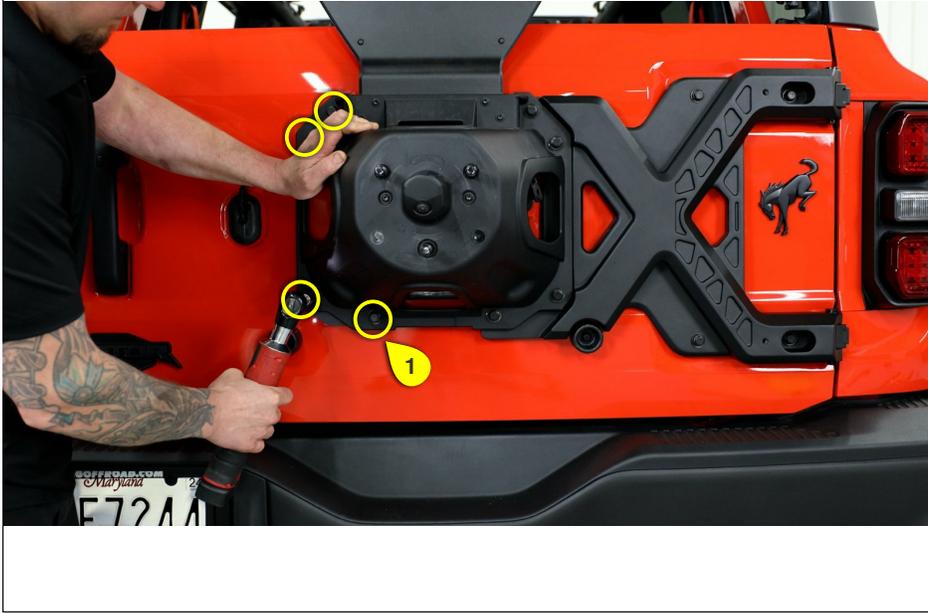


Step 71/88

Numbered annotations (1)

- 1 Tighten four (4) passenger (right) side 13mm bolts using your 13mm socket

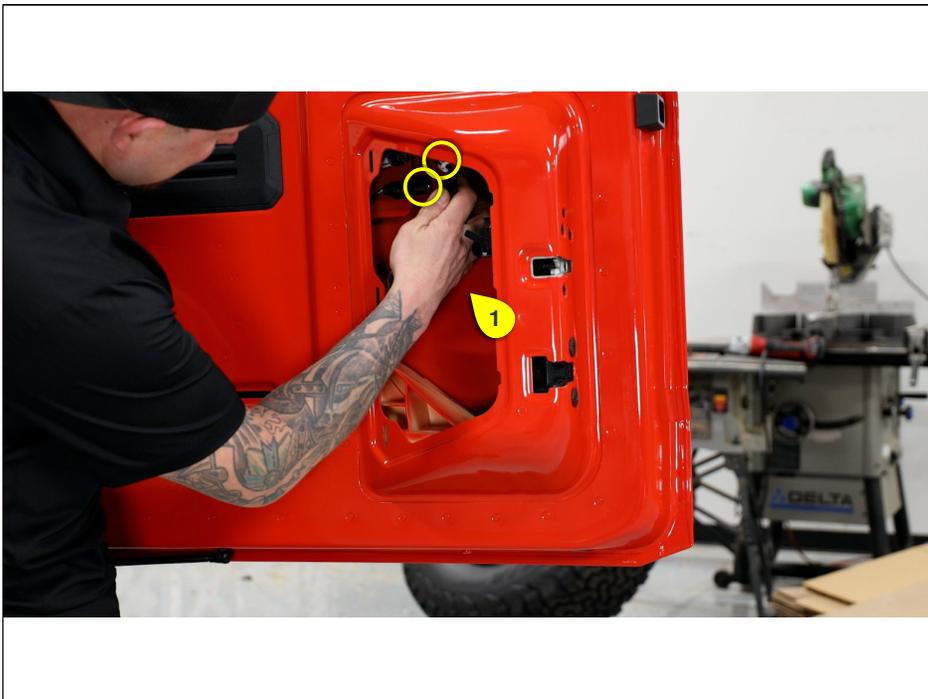
Step 72/88



Numbered annotations (1)

- 1 Tighten four (4) driver (left) side 13mm bolts using 13mm socket

Step 73/88



Numbered annotations (1)

- 1 Reattach two (2) wiring harnesses inside of the tailgate



Step 74/88

Numbered annotations (1)

- 1 Reattach tailgate cover



Step 75/88

Numbered annotations (1)

- 1 Reinstall hinge cover

Step 76/88

Numbered annotations (1)

- 1 Install the four (4) push pins



Step 77/88

Numbered annotations (1)

- 1 Reinstall two (2) 10mm bolts into hinge cover using a 10mm socket



Step 78/88

Numbered annotations (1)

- 1 Close your tailgate



Step 79/88

Numbered annotations (1)

- 1 Install wheel spacer onto spare tire mount



Step 80/88

Numbered annotations (1)

- 1 Install spare tire bushings spacer into stock spare tire bushings



Step 81/88

Numbered annotations (1)

- 1 Remove third break light tire bumper with a T25 Torx screwdriver



Step 82/88

Numbered annotations (1)

- 1 Install passenger (right) side third break light spacer as shown



Step 83/88

Numbered annotations (1)

- 1 Reinstall third break light tire bushing using provided hardware with a T20 Torx screwdriver



Step 84/88



Numbered annotations (1)

- 1 Install driver (left) side third break light tire spacer as shown

Step 85/88



Numbered annotations (1)

- 1 Reinstall third break light tire bushing using a Phillips head screwdriver

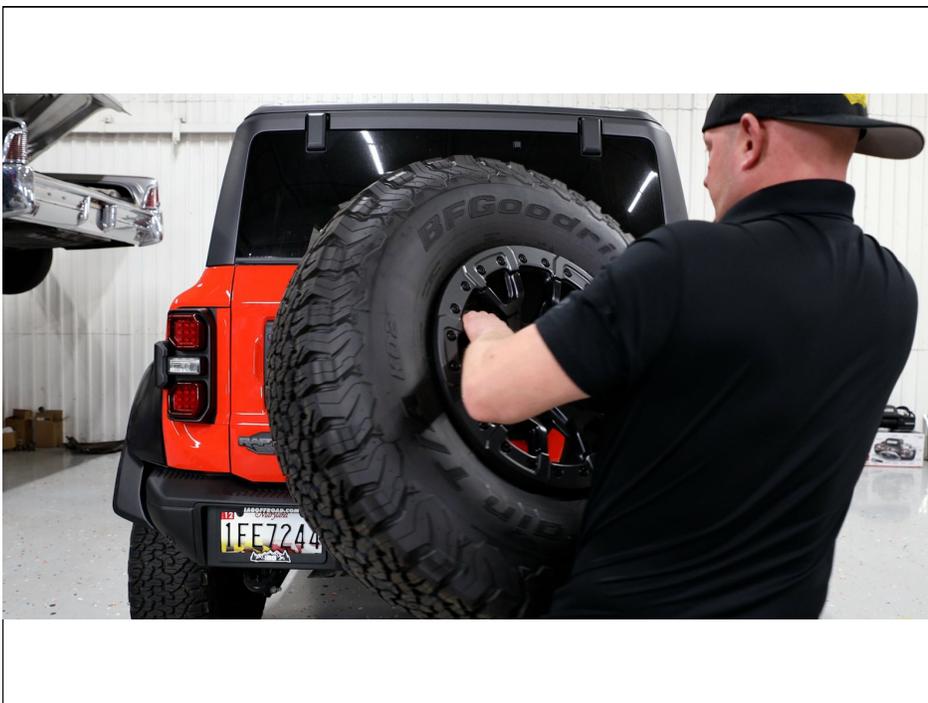
Step 86/88

Numbered annotations (1)

- 1 Third break light bumper with spacers installed



Step 87/88



Step 88/88

Numbered annotations (1)

- 1 Reinstall your spare tire to complete the installation of your IAG I-Line X-Brace Tailgate Reinforcement for 21+ Bronco Raptor

