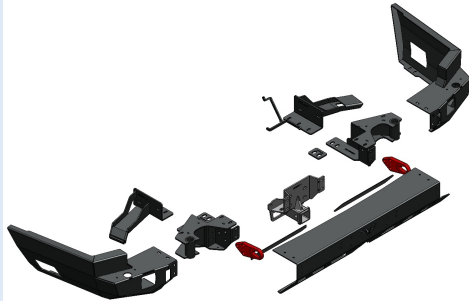




1



Included Parts: (1x) Mount 1 | (L&R) Mount 2 | (L&R) Mount 3 | (1x) Bumper Shell Center | (L&R) Bumper Shell Wing | (2x) Bezel Plate | (2x) Spacer | (1x) Nut Strip 1 | (1x) Nut Strip 2 | (2x) D-Ring

2

Part	Description	Qty/Parent
035-0008	Rigid Plastic Locking Plug Fits 1-1/2" ID, 1-11/16" Head Diameter	4.00000000
040-0004	3/8"-16 Thread Size, 1" Long Hex Head Screw, Grade 5, ZNC	2.00000000
040-0009	5/16-18-1 HEX CAP GR5 STAINLESS STEEL	2.00000000
040-0014	5/16 USS FIW TRIV ZNC - .370/.390 ID X .868/.905 OD X .064/.1040 THK	11.00000000
040-0020	5/16-18 SERR FLANGE NUT HARD & TRV ZNC	6.00000000
040-0022	3/8-16-.740 KNUBLRD RIVER NUT	6.00000000
040-0023	7/16-14 SERR FLANGE NUT	1.00000000
040-0025	1/4"-20 Thread Size, Medium-Strength Steel Serrated Flange Locknut Grade ...	8.00000000
040-0026	3/8-16 SERR FLANGE NUT HARD & ZNC	14.00000000
040-0045	3/8-16-1-1/2 HEXCAP GR5 ZNC	7.00000000
040-0118	JIS High-Strength Steel Flanged Hex Head Screws M8 x 1.25 mm Thread, 25 ...	10.00000000
040-0123	Medium-Strength Steel Nylon-Insert Locknut, Grade 5, Zinc-Plated, 1/2"-13 T...	6.00000000
040-0147	Black-Oxide 18-8 Stainless Steel Mil. Spec. Washer, Passivated, 1/4" Screw SI...	8.00000000
040-0148	Black-Oxide 18-8 Stainless Steel Button Head Hex Drive Screws, 1/4"-20 Thre...	8.00000000
040-0173	Zinc Yellow-Chromate Plated Steel Hex Head Screw High-Strength, M12 x 1.2...	10.00000000
040-0174	Zinc Yellow-Chromate Plated Grade 8 Steel Washer for 1/2" Screw Size, 0.531...	10.00000000
040-0198	18-8 Stainless Steel Button Head Hex Drive Screws Black-Oxide, 5/16"-18 Thr...	6.00000000
040-0200	18-8 Stainless Steel SAE Washer Black-Oxide, 5/16" Screw Size, 0.344" ID, 0.6...	6.00000000
040-0275	3/8" Mil. Spec. Washer, Black-Oxide 18-8 Stainless Steel, 0.406" ID, 0.812" OD	12.00000000
040-0277	18-8 Stainless Steel Button Head Hex Drive Screws Black-Oxide, 3/8"-16 Thre...	12.00000000
DB1732	17/32 Drill Bit	1.00000000

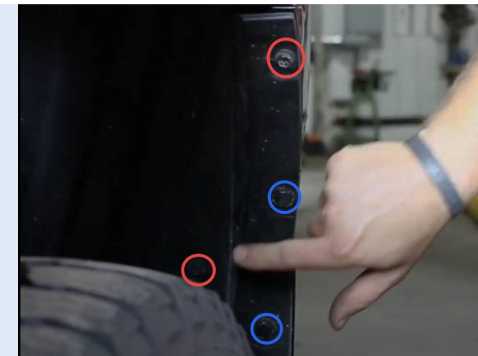
Included Hardware:

3



Prior to installing the bumper, the factory plastic bumper will need to be trimmed.

4



Begin by removing the mudflaps. This can be done by removing the two bolts circled in red, the two clips circled in blue and the third bolt going up through the bottom, not shown in the image above.

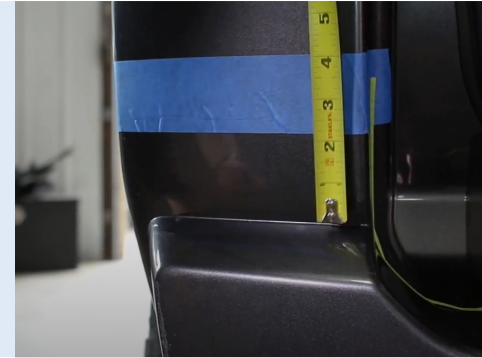


5



To begin marking the cut lines, place a strip of tape so that the bottom edge is 5" below the horizontal body line above it. Carry that line all the way around the corner below the tail light and stop it just past the vertical body line found there near the hatch opening. Make sure the line stays parallel to the initial body line all the way throughout.

6



To check that the cut line remains straight around the corner, measure up from the seam shown. The bottom edge of the tape should sit 2-1/4" above.

7



Measure 1/4" off the radius as shown, and place the edge of a strip of tape along that line, matching the radius and maintaining that 1/4" all the way across. Using a fine line tape can be helpful for this.

8



Where the radius ends, carry that line straight up to the other tape placed previously.



9



Cut along the lines laid out with whatever tool you have access to. This can be done with the plastic on or off of the vehicle depending on preference. If leaving the plastic on the vehicle, make sure to only do shallow cuts as there is a risk of cutting into sheet metal if the blade goes too deep.

10



With the bumper cut, remove the two bolts securing it from underneath and pull it off the vehicle.

11



This is what the cut should look like after it is finished. At this time, the tape can be pulled off and the cut edge can be cleaned up with sandpaper or flap disk or something similar.

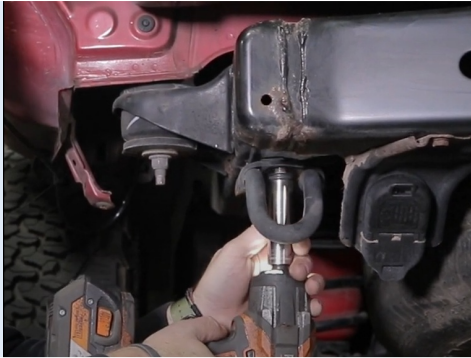
12



If the vehicle is equipped with a factory hitch, remove it using a 17mm socket on the four bolts in the rear of the frame as well as the two going up through the bottom.



13



Remove the factory tow hooks from the bottom of the frame using the same 17mm socket.

14



If installing cube lights, do so now. They will be accessible after the bumper is installed, however, it is easier to do prior. If installing a carrier, this would be a good time to install the pin track onto the respective wing as well.

15



Drill the holes circled in the image above out to 17/32 to accept 3/8" rivet nuts. The rivet nuts can then be installed.

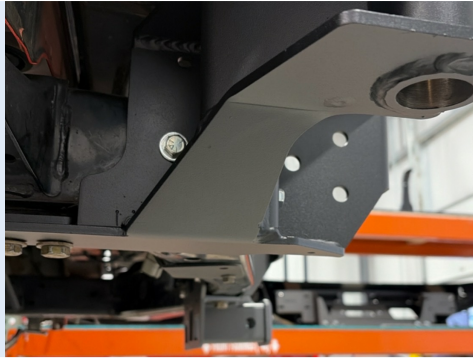
16



Install part 2 onto the corner of the frame using two of the provided M12 bolts and washers underneath with the spacer sandwiched between the mount and the bottom of the frame.

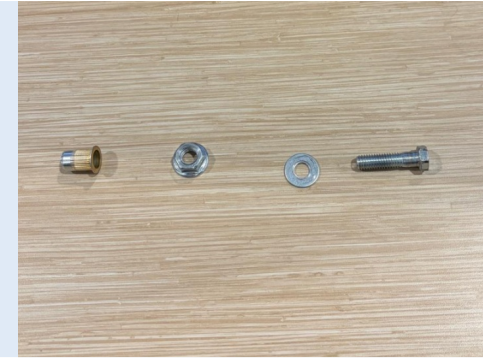


17



Install two of the 3/8" X 1-1/2" bolts and 5/16" USS washers into the rivet nuts. Tighten them all into place making sure that the top face of the mount is parallel to the top face of the frame and then mark the top hole on the back face to be drilled.

18



Prior to installing the rivnuts, a tool will need to be created using provided hardware. A 3/8"-16 partially threaded bolt, 5/16" washer and 7/16" flange nut will be needed to create the tool.

19



The tool should look as shown when finished. Make sure the serrations on the flange nut are towards the rivnut. The threads of the 7/16" nut will need to be drilled out slightly in order for the 3/8" bolt to pass through it freely.

20



Remove the mount, drill a 17/32" hole at the marked location and install a 3/8" rivnut. Repeat this on both sides of the vehicle. The hole should be 1-5/8" above the one previously drilled.



21



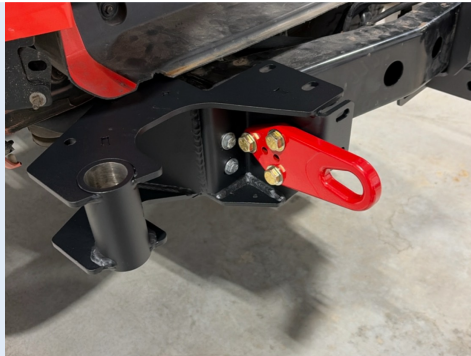
Loosely install mount 1 to the frame of the vehicle. Slide it up onto the bottom of the frame as shown. It can be installed using the provided M12 bolts and 1/2" washers into the rear face and bottom of the frame as well as the provided M8 bolts on the front side of the frame. With all bolts started and the mount centered as much as possible, tighten it into place starting with the bottom bolts.

22



Loosely install the mount 2 onto the corner of the vehicle in the same way as before but with the addition of another 3/8" bolt and washer into the third rivet nut. With all bolts started, tighten the mount into place, making sure that the top face of the mount is parallel to the rear frame once finished. This may require loosening and re-tightening bolts a few times. Repeat on both sides.

23



Install the D-Rings onto each of the mount 2s using the provided 1/2" hardware as shown. Be sure to have a washer on the hex head side as well as the nut side. There is some angle adjustment available so it may be helpful to slide the wing onto the mount to check that the D-Ring will not be contacting the top or bottom of the cutout it passes through prior to tightening.

24



With the mounts 1 and 2 on, the shell can be loosely installed. Begin by sliding a wing onto the respective mount.



25



Hold the wing in place using the 3/8" x 1" bolt with a 5/16 USS washer and 3/8 flange but up from the bottom of the mount.

26



Loosely install mount 3 onto the driver's side frame using the provided 8mm bolts into the factory threaded holes. Leave this mount slightly loose.

27



Loosely secure the wing to mount 3 with the 5/16" button heads, washer and nuts as shown. The nuts can be fished up through the cutout in the bottom of the mount.

28



Install the other 3 mount onto the passenger's side frame using the provided m8 bolts into the bottom of the frame. The two holes in the side of the frame are not threaded on this side and require the provided nut strips.



29



Insert nut strip one in through the hole in the frame inside the cross member as shown. Line the nut in the bracket up with the hole in the frame/mount and loosely install one of the provided 5/16" bolts and 5/16" USS washers.

30



Insert nut strip 2 into the frame though the hole in front of the mount. This will require removing a plastic plug from the whole using some sort of pry tool. Again, line the nut up with the hole in the frame, mount and loosely install one of the provided 5/16" hex head bolts and 5/16" USS washers. Leave this mount slightly loose.

31



With both wings loosely installed, slide the center section of the bumper onto them from the back. Install twelve 3/8" bolts into the holes marked in the image above. To get the nut on the back side, reach through the cutouts in the bottom of the center section.

32



Tie the sections of the bumper together on the bottom using a 5/16" button head through the hole shown in the image above.



33 With all bolts loosely in place, adjust the position of the bumper until it is as desired then tighten all bolts. Begin by tightening the shell to the mounts from the center out. Then, tighten mount 3 to the frame before tightening the wing to it. Make sure the spindle sleeve lines up with the hole in the wing shell prior to tightening.



Once the bumper is fully installed, bolt the silver bezel plates onto the inside of the bumper as shown using the provided 1/4" hardware.

35 If any of the cut lines interfere or are too close to the bumper, additional cuts may be necessary. Make sure there is at least a 3/8" gap between the top of the wings and the plastic. The plastic near the top face of the center section can be pushed beneath the bumper face but may require some small adjustments or additional cuts to do so.

36

**Thank you for supporting
American-made. We hope you
enjoy your new product!**

If you have any questions or concerns
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