



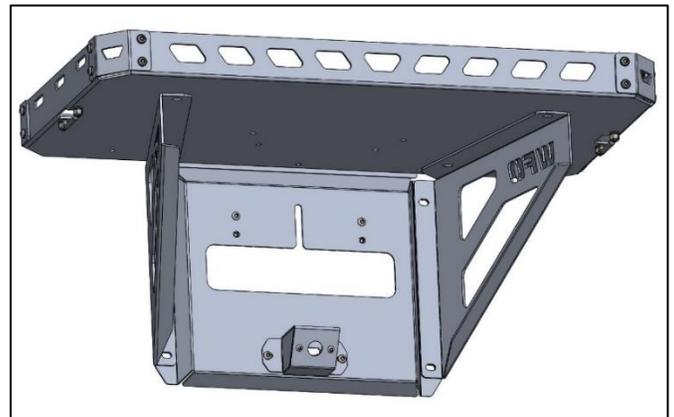
INSTALLATION INSTRUCTIONS

Part #	Description
WFO 9502	21+ Ford Bronco Tailgate Ice Chest Mount w/ License Plate Mount

10076 Streeeter Road Suite #7, Auburn, CA 95602
 Phone: 530.268.9494 www.wfoconcepts.com

WFO 9502

BILL OF MATERIALS		
WMA-37001	Ford Bronco Ice Chest Mount	Qty. 1
C-37001-07	Driver Support Wing	Qty. 1
C-37001-08	Passenger Support Wing	Qty. 1
33-6210	1/4"-20 x 5/8" SS Button Head Bolts	Qty. 4
33-23640	1/4"-20 SS Non-Galling Nylock Nut	Qty. 4
WFO 9501	Ford Bronco License Plate Mount	Qty. 1
C-37001-02	License Plate Mount	Qty. 1
C-37001-04	Camera Mount Main	Qty. 1
C-37001-05	Camera Mount Outer Shell	Qty. 1
C-37001-06	Camera Pinch Plate	Qty. 1
33-6210	1/4"-20 x 5/8" SS Button Head Bolts	Qty. 4
33-3041	1/4" SS Flat Washer	Qty. 4
33-6170	#10-24x5/8" SS Socket Head Bolt	Qty. 2
WFO 1401	30-3/4" x 16" Basket	Qty. 1
C-40001-01	Main Aluminum Basket	Qty. 1
C-40001-02	Side Bolt Cap – Oval Cutout	Qty. 1
C-40001-03	Side Bolt Cap – Bottle Opener Cutout	Qty. 1
8030T16	Side Strap Hold Down	Qty. 2
33-6212	1/4"-20 x 3/4" SS Button Head Bolts	Qty. 4
33-6208	1/4"-20 x 1/2" SS Button Head Bolts	Qty. 16
33-3041	1/4" SS Flat Washers	Qty. 16
33-23640	1/4"-20 SS Non-Galling Nylock Nut	Qty. 4



TECH NOTES:

- This kit replaces the spare tire mount on the tailgate. Some wires will need to be relocated and/or cut. Be sure to double check all wires before modifying. The Ford Bronco wiring harness can be sensitive to adding accessories they weren't intended for. When possible, use the correct wire size and harnesses the signal wire came from.
- Whenever installing Stainless Steel Hardware it's a good idea to use Anti Seize to preventing galling of the threads.

WARNING!

- *** Read all instructions thoroughly from start to finish before beginning the job! If these instructions are not properly followed, severe frame, suspension, tire, or body damage may result to the vehicle!
- *** WFO Concepts recommends that you exercise extreme caution when working under vehicles supported by jack stands.
- *** WFO Concepts recommends all installation to be performed by a professional shop/service technician. Product failure due to improper installation will not be covered under WFO's warranty policy.

TOOLS NEEDED

1/8" & 5/32" Allen Socket	Impact gun
3/8" Drive Ratchet	Pry Bar
Torx Bits: T-25, T-30	Wire crimping tools
3/4" & 13mm Sockets	Zip Ties
7/16" & 1/2" Wrench	Anti-Seize

REMOVAL:

1. Remove the spare tire.
2. Open tailgate and remove the inner plastic trim by gently popping it off from the left side first, the right tabs slip into retaining slots that are not meant to be easily removed. Be careful not to break the plastic retainers that hold this cover to the inner part of the tailgate. Fig A

Fig A



3. Unplug the top 2 smaller electrical plugs (Figure B). Pop the retaining grommet ring from the inside of the tailgate, then pull the two wires out through the hole (Figure C).

Fig. B



Fig. C



4. Remove stock plastic spare tire carrier. Using a 13mm socket, remove the 8 bolts on the outside perimeter of the stock plastic spare tire carrier (Figure D). **SAVE THESE BOLTS**, you will reuse them. Set the tire carrier aside to disassemble for the wiring harness. (Fig E)

Fig. D



Fig. E



5. Remove the 2 bolts, Socket T-30, on either side of the camera mount (Figure F). This will allow you to remove the bracket from the inside of the spare tire mount. Flip over and gently pry the bracket up from the inside out. (Figure G)

Fig. F

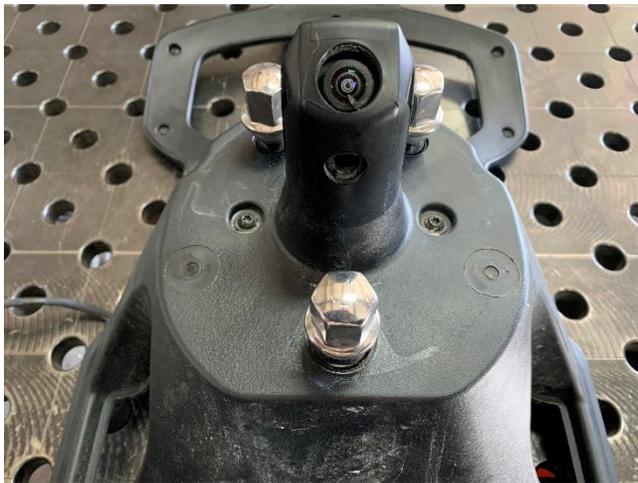


Fig. G



6. Next, you'll need to remove the harness from the 3rd Brake light housing. With a T-30 remove the 4 screws from the front side. Then a T-25 to remove the remaining 8 screws. (Fig. H) Pry the plastic housing apart and un-clip the plug from the 3rd brake light. Un-clip any remaining retainers and set the light and hosing aside. (Fig. I)

Fig. H



Fig. I



7. Finally, remove the harness from the camera. Using a T-20, unscrew the clip that retains the camera in the housing. (Fig J) Completely remove and set aside for install. (Fig K)

Fig J



Fig K



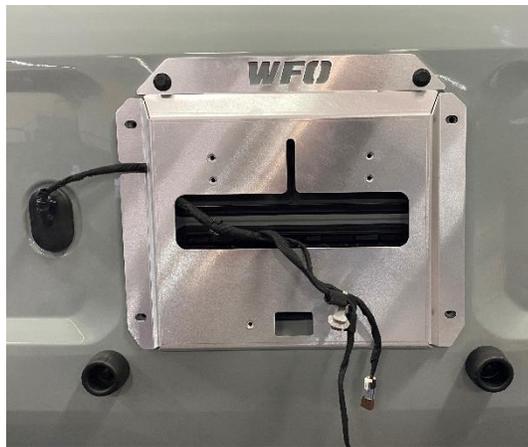
INSTALL:

*** Note ***

You will need to run wires from your factory license plate light down at the bumper up to your new License Plate Mount. It's easiest to snip off the license plate light, attach butt connectors and run 2 wires (power & ground) along the bumper towards the Passengerside. On the inside cargo area, if you remove parts of the back floor, you can poke the wires up under the carpet, then route them behind the passenger plastic side wall, and towards the tailgate. Then route them in the factory tailgate wire loom all the way out. If you don't want to mess with the grommet in the tailgate, you can simply pop the wires through one of the vent holes. Also, if running the optional third brake light/license plate light, we offer an all-in-one light, Part # ORD LD-PL7.

8. Once the old tire carrier is removed, clean up any dirt or debris off of the tailgate. Re install your wire harness by placing the inner tailgate plugs back through the grommet hole and snap the grommet in the tailgate. Find C-37001-02, Main License Plate Mount with the WFO logo on it. Using 2 of the 8 previously removed tire carrier bolts, bolt up the plate using the top most 2 holes only, leave loose. (Fig. L) Make sure to route the wire harness back through the slot given. Also route the camera wire out through the bottom most hole.

Fig. L

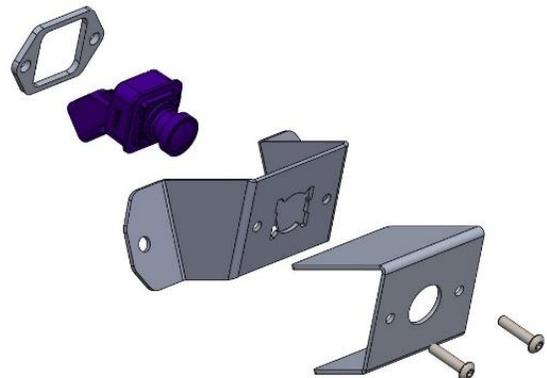


9. Take all 3 camera mount pieces. Start by sliding the pinch plate over the camera, with the Pem nuts facing away from the lens of the camera. Fig. M. Place the camera in the main mount, make sure the wire plug is pointing down out of the bracket. Slip the outer cover over everything. And last take the Qty. (2) #10-32 Button head allen's and thread them into the pinch ring. Fig. N

Fig. M



Fig. N



10. Connect the camera plug back onto the camera. Use qty. (2) ¼"-20 x 5/8" Button allen's and bolt the camera onto the license plate mount. Fig. O

Fig. O



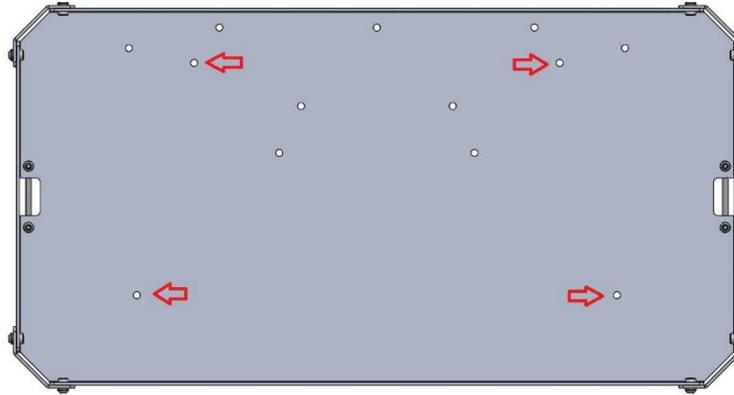
11. If you purchased our 3rd brake light kit, follow the instructions that come with them to identify the correct colors. You will use the previously removed 3rd brake light wire harness that you rerouted through the vent with the camera wire. You will need to snip the connector off to use these wires.
12. Using qty. (2) ¼" SS Allen bolts and washers, bolt your license plate to the main plate using the top 2 threaded holes. The bottom 2 holes are for running a Roto Pack on the bottom of the Ice Chest Rack, which is sold separately.
13. Locate the Driverside wing and 2 of the previously removed factory bolts. Make sure not to pinch the factory wire loom and bolt the wing over the license plate mount. Repeat for the Passengerside. Fig. P. Leave snug till you bolt on the ice chest rack.

Fig. P



14. Locate your WFO 1401 Basket. If you have not previously assembled the basket, refer to those directions for assembly. Place the basket on the support wings. You will use Qty. (4) holes only. Look at the below picture for the holes. Fig. Q. Align the basket with the support wings till all 4 line up. You will use Qty (4) ¼"-20 x ¾" Button Allens, Qty. (8) ¼" SS Washers, and Qty. (4) ¼"-20 SS Nylock nuts.

Fig. Q



15. Once basket is tight, final tighten the 4 support wing bolts to the tailgate.
16. Finalize up any wire ties, panels, and bolts. Test your running lights as well as the brake lights to make sure everything works properly.



17. As an added bonus, if you want to leave the ice chest rack at home, simply un bolt the Qty. (4) support wing bolts from the tailgate and remove wings and rack together. Re bolt the (4) bolts back into the license plate mount and your good to go!



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