INST: VGX46FB

Step 1



Step by step on how to install the EVO Front Bumper on the Lexus GX460! Questions or Support: Phone: 269-353-1184 Email: info@victory4x4.com

Step 2



046-0098 BOLT PACK

VGX46FB-BP • Bill of materials (per 1 bag)

PIECES / BAG 103

BIN	QTY	PART #	DESCRIPTION
1	8	040-0163	M10-1.25 x 30 FLANGED HEX CAP
2	1	040-0012	1/4 USS FLAT WASHER ZNC
3	1	040-0137	M6-1.0 x 25 BUTTON HD SOC CAP 18-8 SS
4	1	040-0184	3/8 ID CUSHIONED LOOP CLAMP SS
5	4	040-0148	1/4-20 x 3/4 BUTTON HD SOC CAP 18-8 SS BLK
6	6	040-0147	1/4 MIL-SPEC FLAT WASHER 18-8 SS BLK
7	6	040-0025	1/4-20 SERR FLANGE LOCKNUT GR5 ZNC
8	6	040-0004	3/8-16 x 1 HEX CAP GR5 ZNC
9	6	040-0014	5/16 USS FLAT WASHER ZNC
10	16	040-0026	3/8-16 SERR FLANGE NUT HARD ZNC
11	10	040-0278	3/8-16 x 1 BUTTON HD SOC CAP 18-8 SS BLK
12	10	040-0275	3/8 MIL-SPEC FLAT WASHER 18-8 SS BLK
13	2	040-0040	1/2-13 x 1-1/2 HEX CAP GR5 ZNC
14	2	040-0035	1/2 USS FLAT WASHER ZNC
15	2	040-0127	1/2-13 x 1 BUTTON HD SOC CAP ZNC
16	4	040-0019	1/2-13 SERR FLANGE NUT
17	3	040-0199	5/16-18 x 1 BUTTON HD SOC CAP 18-8 SS BLK
18	3	040-0020	5/16-18 SERR FLANGE NUT HARD ZNC
19	2	040-0098	1/4-20 x 1 BUTTON HD SOC CAP 18-8 SS BLK
20	2	040-0238	1/4 FLAT WASHER SS BLK
21	2	065-0041	7/8 RUBBER GROMMET
22	1	040-0135	1/4 MIL-SPEC FLAT WASHER 18-8 SS
23	3	040-0268	5/16 (M8) MIL-SPEC FLAT WASHER 18-8 SS BLK
24	2	040-0292	1/2 MIL-SPEC FLAT WASHER 18-8 SS

Set bins out in this order • One bag at a time • Gold = zinc • Black = black finish

Odoo BOM link in description

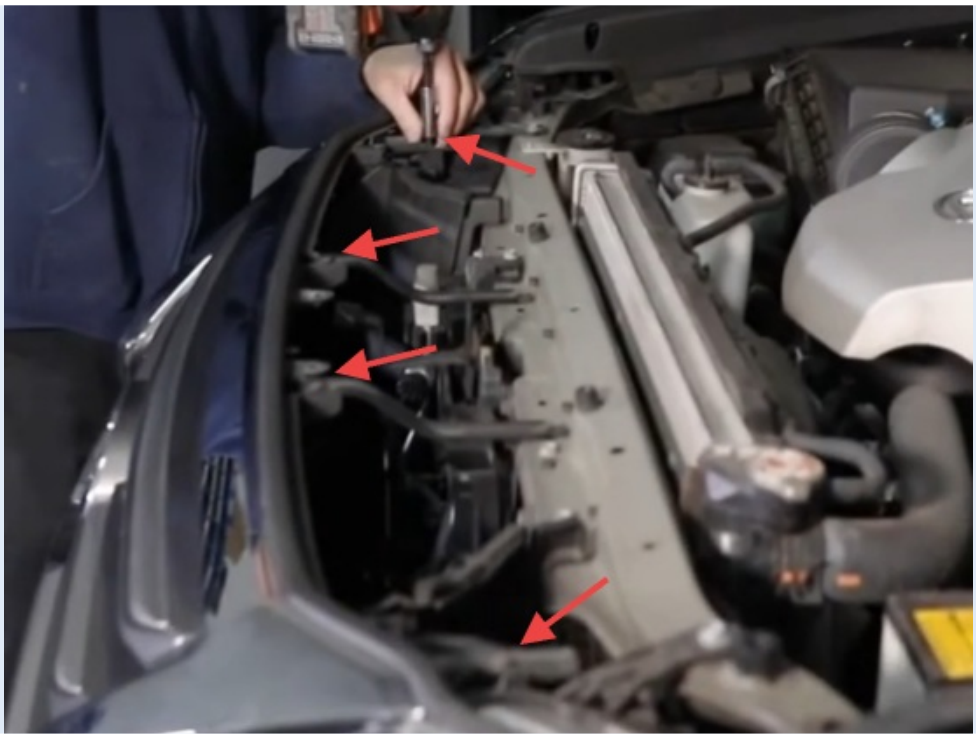
Included Hardware:

Step 3



Begin by removing the clips retaining the upper radiator cover. Set the cover aside

Step 4



Remove the (4) screws retaining the top of the grill.

Step 5



Remove the clips and screws retaining the front half of the inner fender liner.

Step 6



Remove the (3) fasteners on the bottom corner of each side of the fascia.

Step 7



Remove the (2) remaining screws holding the bottom of the fascia along the center.

Step 8



Pop the (2) clips holding each corner of the fascia to the inner fender liner on each side.

Step 9



On each side, carefully pop the fascia out of the retainer at the front edge of the fender, as well as under each headlight.

Step 10



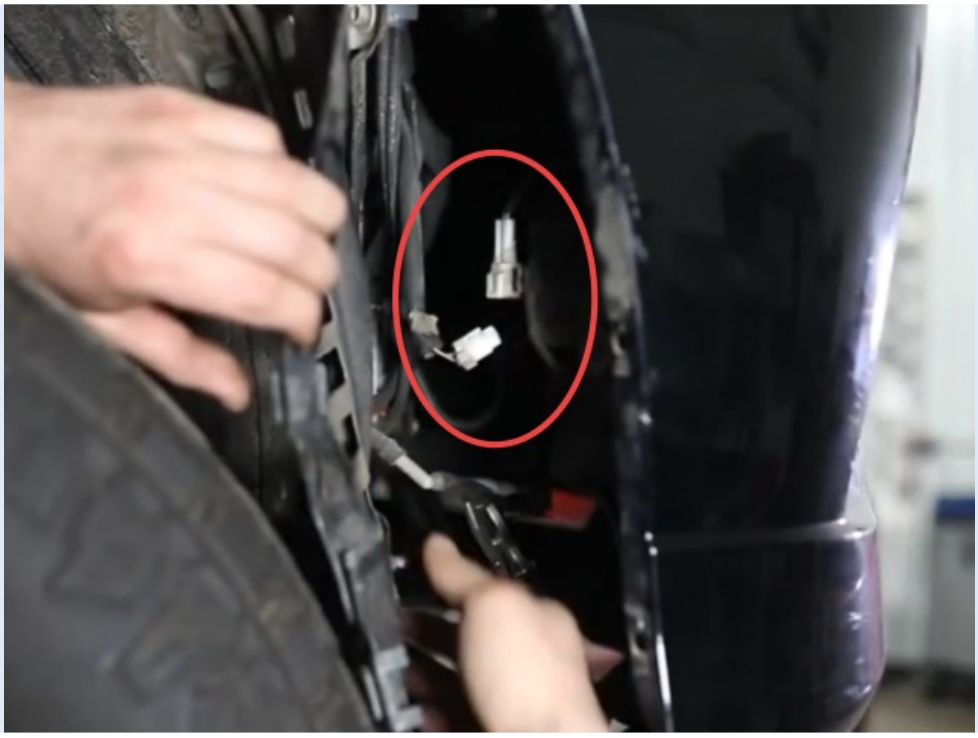
Disconnect the fog light and parking sensor harness on the driver side.

Step 11



Disconnect the fascia harness on the driver side.

Step 12



Disconnect the harness on the passenger side.

Step 13



Use a clamp to pinch off the headlight sprayer fluid line on the passenger side, and disconnect from the fascia side.

Step 14



With everything disconnected, lift the fascia assembly off of the vehicle.

Step 15



Remove the crash-bar assembly. There are (4) fasteners attaching each standoff to the frame mount on each side.

Step 16



Separate the lower facia panel by removing the white retaining clips, and disconnect.

Step 17



Gently remove the (2) parking sensors from their retainers in the lower grill.

Step 18



Remove the screws retaining the perimeter of the grill assembly.

Step 19



Remove the clips retaining the center of the grill assembly to the fascia.

Step 20



Finally, disconnect the tabs retaining the grill assembly.

Step 21



Carefully release the tabs retaining the lower grill section to the outer grill frame on each side and separate.

Step 22



Reinstall the grill assembly, minus the lower section, into the fascia. Tighten all screws and make sure the clips and any unclipped sections of harness are properly reattached.

Step 23



Reinstall the modified fascia assembly on the vehicle.

Step 24



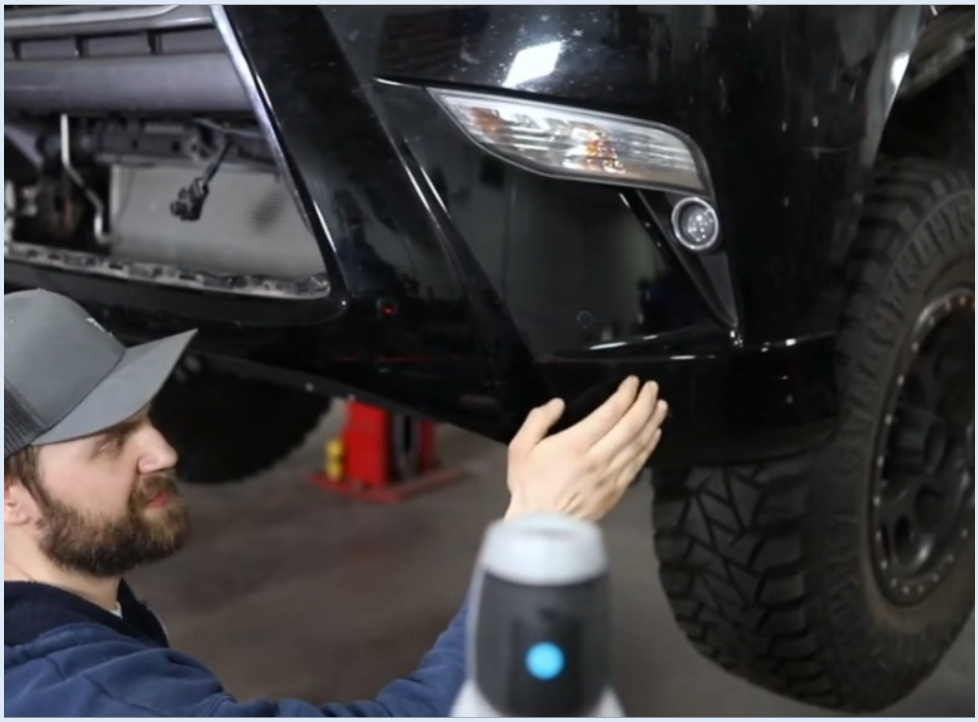
Ensure that it is snapped into place along headlight and into the fender bracket.

Step 25



Reinstall the top fasteners, as well the harness connections, and the headlight sprayer hoses.

Step 26



Begin laying out the cut: You will need tape, a Sharpie, and ideally, but not necessarily, a lockable laser level.

Step 27



Begin by applying tape along the molded "bodyline" that wraps the corner of the lower fascia as shown. This is where the cut will be made.

Step 28



Continue with the tape all the way back to the wheel opening on both sides.

Step 29



On the tape, mark a cut line starting just below the bodyline approximately 1/8"-3/16". Wrap this around to the front, stopping at the front corner of the fog light recess, as shown.

Step 30



Connect the first cut line to the center with a line projecting around the fascia to the slight crease along the center face of the fascia below the grill opening.

Step 31



Using the inside of the grill opening as a starting point, and the angle as a reference, project a line down to the first plotted cut line as shown. With both sides laid out, the distance between the intersections should measure approximately 46.75".

Step 32

NOTE: It is advisable to error on the side of cutting less and trimming where additional clearance is needed once the fascia has been test fit.

Step 33



NOTE: Always be sure to wear appropriate PPE when making these cuts.

Step 34



Carefully make the cut following the guide lines laid out.

Step 35

NOTE: These are preliminary cuts, you may need to test fit more than once while carefully tuning in the cut to match the assembled bumper shell and wings.

Step 36



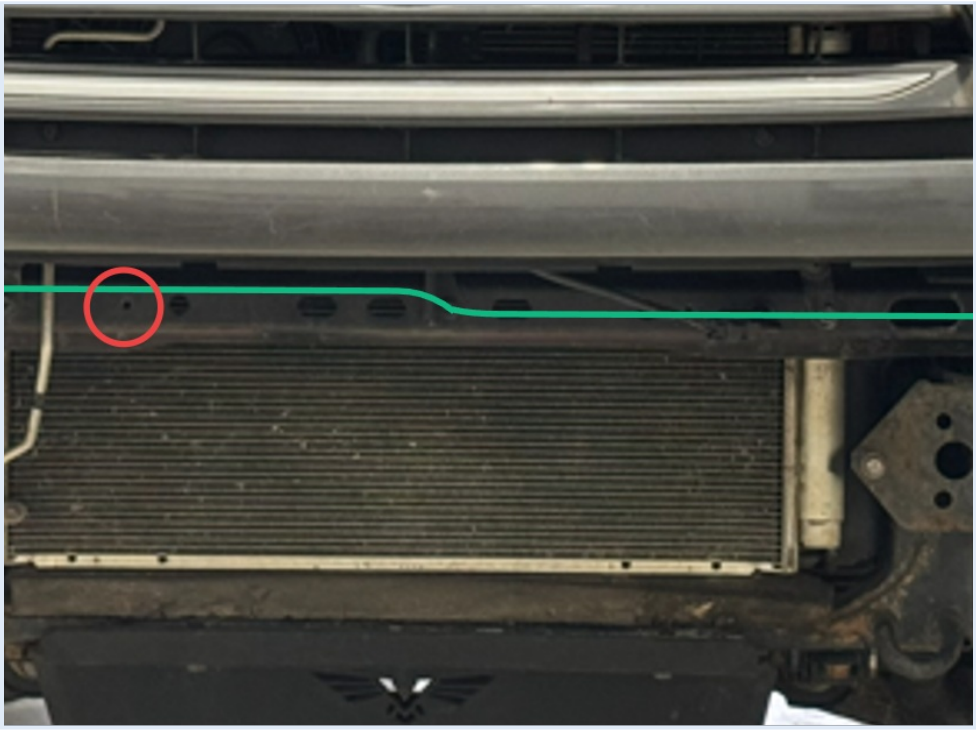
Deburr the edges of the cuts.

Step 37



A correctly trimmed fascia should look like this.

Step 38



Some models may have a hard-line running along this the core support as indicated in green. In some circumstances this may interfere with winch solenoid clearance. Use the included P-clamp, 6mm button head screw, and flat washer to slightly reshape and relocate the line closer to the crossmember using an OEM threaded hole.

Step 39



Lift the cradle in place and fasten it to the frame mounts in the outer most holes on each side using (1) M10 x 30mm flanged hex head bolt and (1) flat washer. Center the cradle vertically and horizontally and slightly snug the hardware.

Step 40



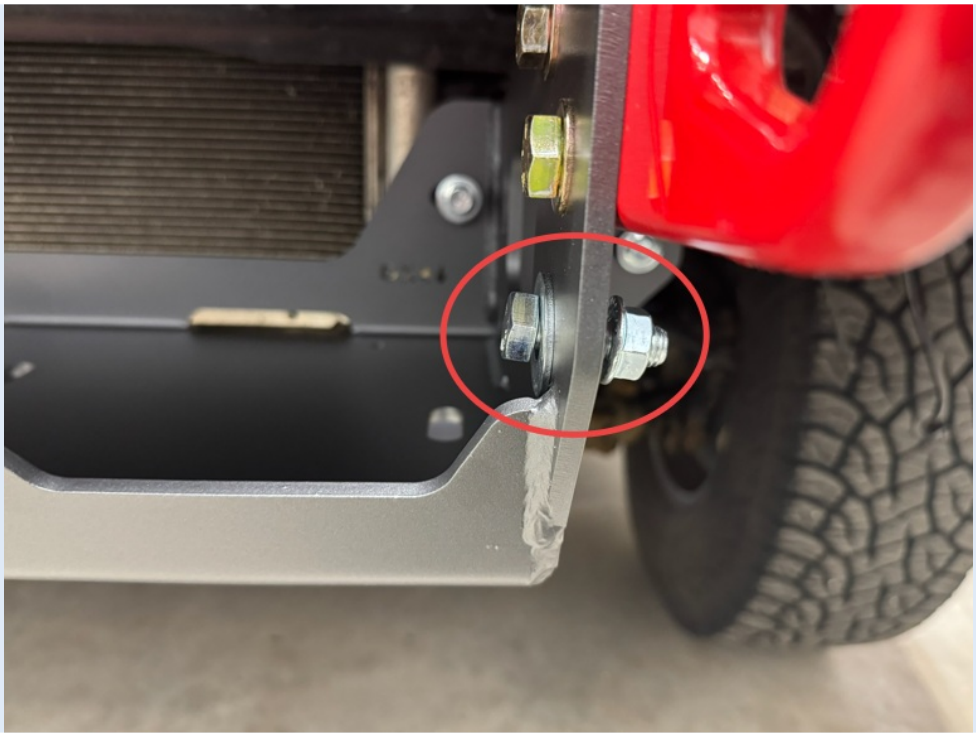
Install the remaining (6) M10 bolts and washers in the inside frame mount locations. Leave these slightly loose. If a winch is being installed, that may be done now.

Step 41



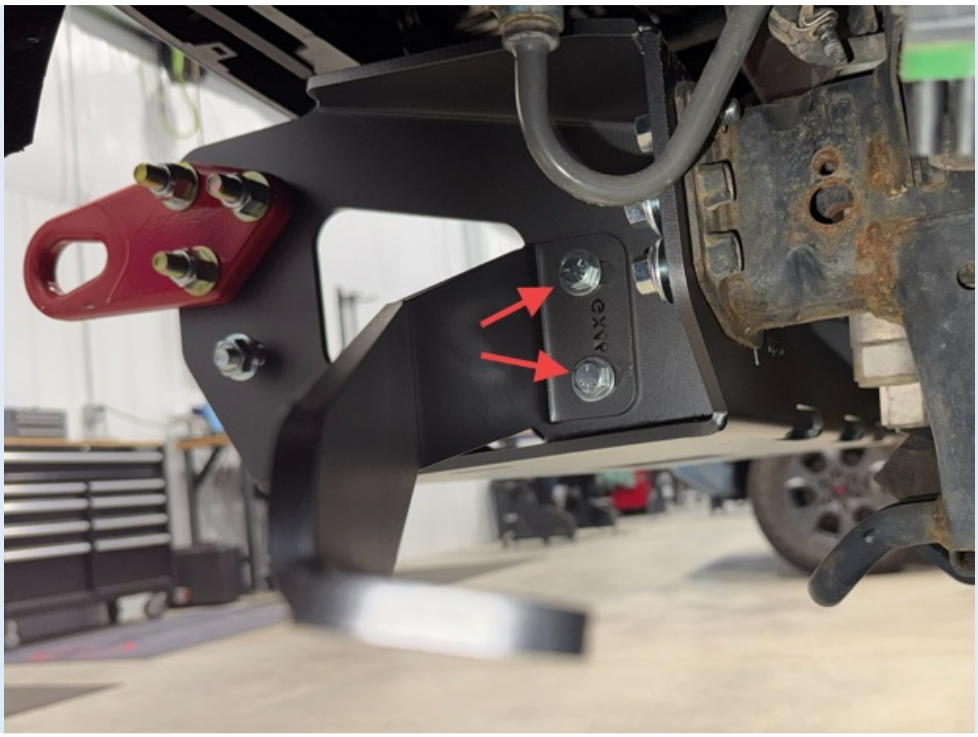
Install the bolt on D-rings with (3) 1/2-13 x 2-1/4" G8 bolts, Thru-hard yellow zinc washers, and 1/2-13 nylock nuts, with the bolts running from the inside-out. Make sure that the D-rings are protected so that they angle slightly downward, as shown in the photo. Tighten these completely.

Step 42



To prepare for the shell to be installed onto the cradle, use (2) 1/2-13 x 1-1/2" bolts, flat washers, and flange lock nuts and loosely install them into the remaining holes on each side of the cradle as shown.

Step 43



Loosely attach each wing support bracket to the cradle using (2) 3/8-16 x 1" hex head screws, flat washers, and flange lock nuts.

Step 44



Attach the lower valance panel with the (3) 5/16-18 x 1" black button head screws, black flat washers, and flange-lock nuts. This may be fully tightened at this time.

Step 45



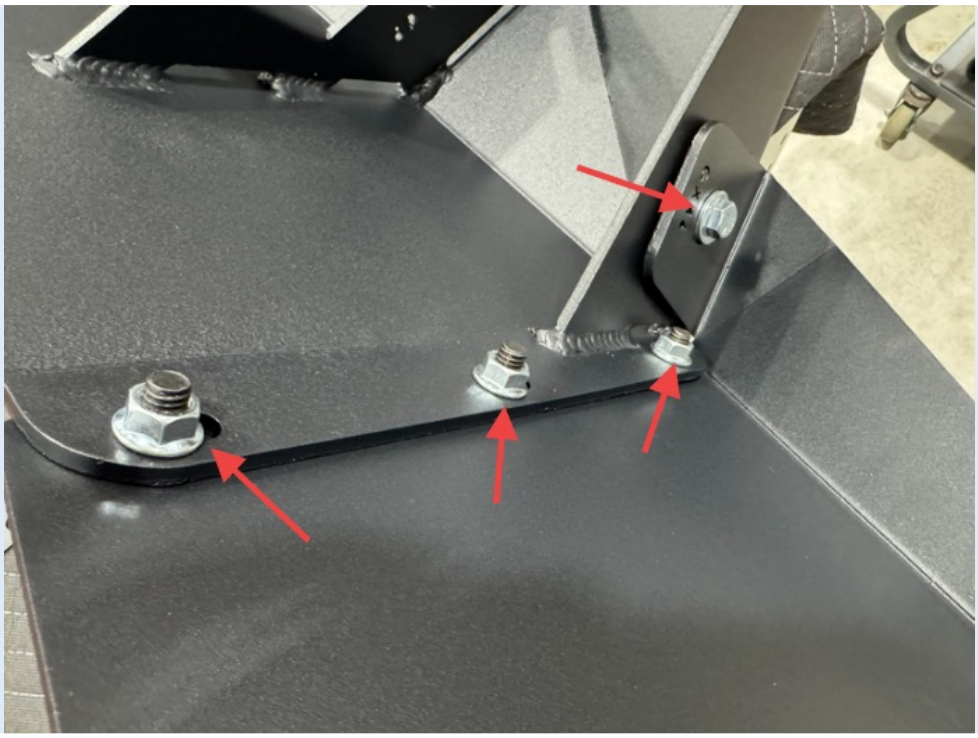
Begin assembling the bumper shell by installing the light-bar bezel, with the flanges facing away from the bumper, as well as the light-bar mounts, into the the bumper shell using (4) 1/4-20 x 3/4" black button head screws, black flat washers, and flange lock nuts.

Step 46



Install the light-bar into the brackets, center the assembly on the bezel/opening, and tighten all of the hardware.

Step 47



Attach each wing to the center section of the bumper shell using (3) 3/8-16 x 1" black button head screws, black flat washers, and flange lock nuts and (1) 3/8-16 x 1" hex head screw, flat washer, and flange lock nut. Do not fully tighten yet

Step 48



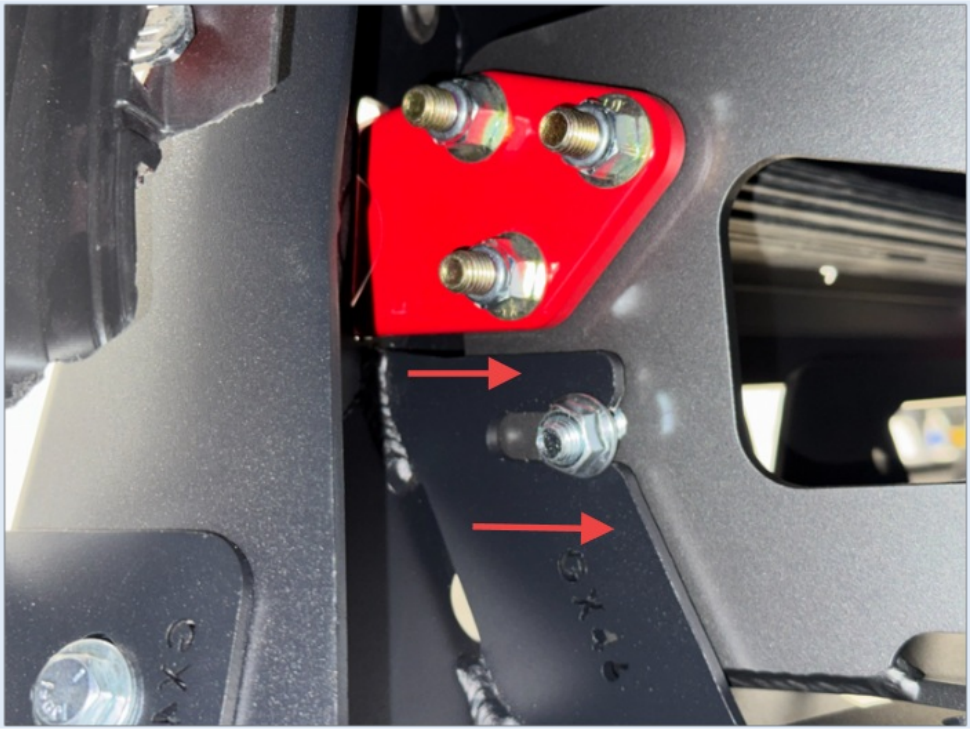
Install the (2) supplied grommets into the 7/8" holes in the bumper shell.

Step 49



Carefully install the parking sensors into the grommets. A small amount of lubricant will make this easier to do. Tie the harness back up to the structure.

Step 50



Lift the bumper shell and carefully slide it around the D-rings and the upper mounts onto the bolts installed in step 41.

Step 51



Using (2) 1/2-13 x 1" button head bolts and flange nuts, fasten the bottom of the bumper shell to the cradle at the locations indicated.

Step 52



Begin adjusting the wing so that the gap is satisfactory where it meets the fascia. This may need to be tuned up more than once, until both sides and the center are positioned correctly.

Step 53



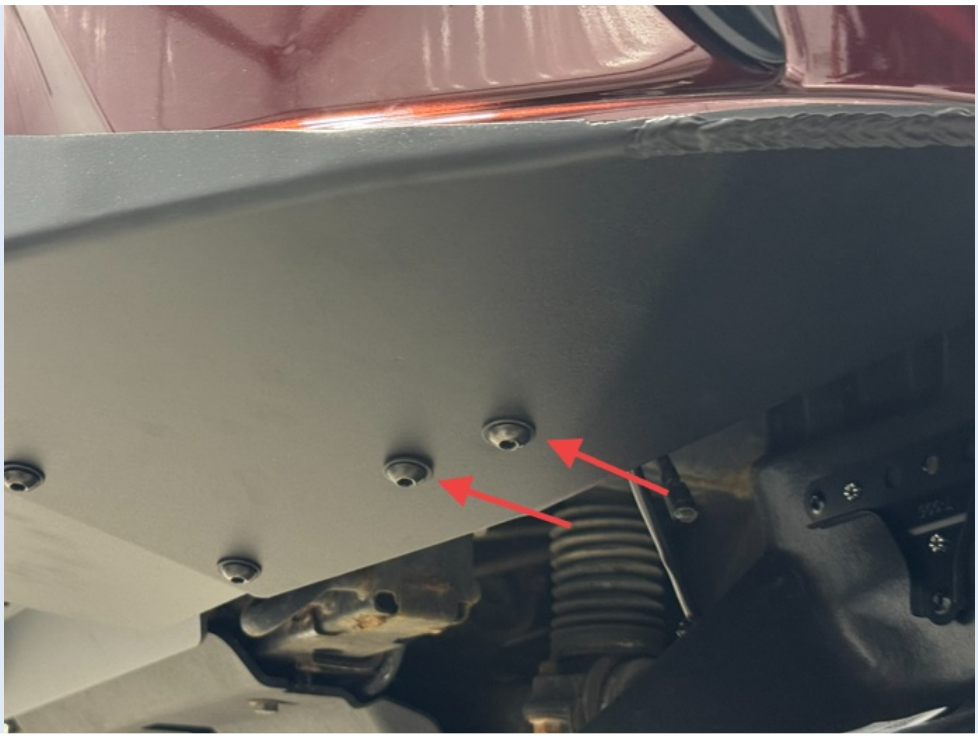
On each side, attach the wing to the wing support bracket using (2) 3/8-16 x 1" black button head screws, black flat washers, and flange lock nuts. Do not fully tighten yet.

Step 54



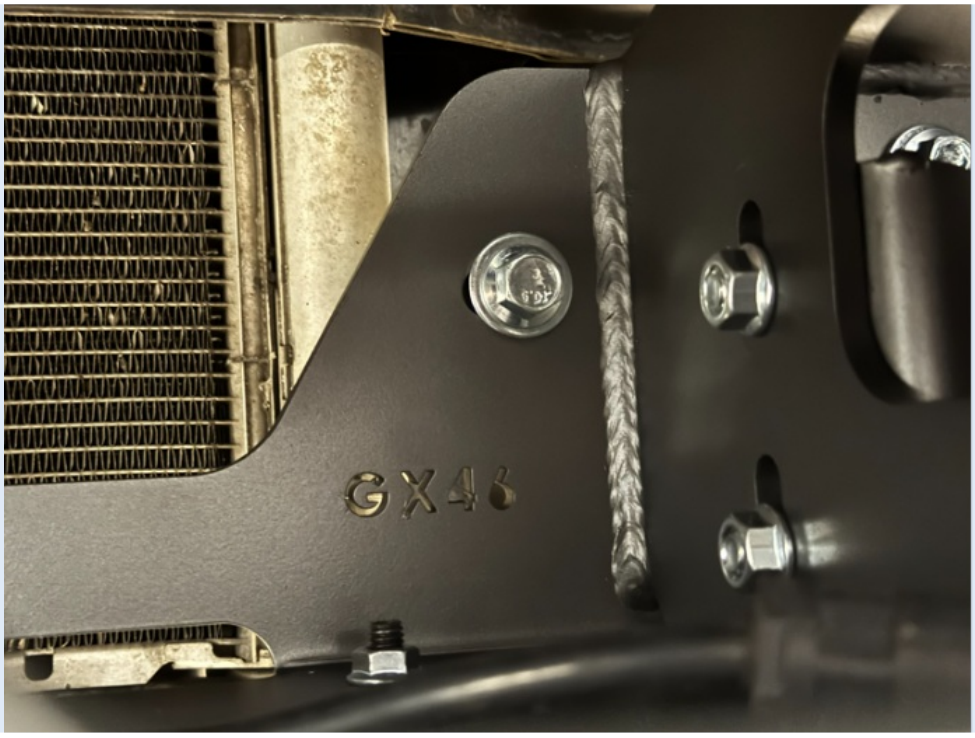
While hardware is loose adjust the shell on the cradle and check that it is square, even, and not touching the body. Make any adjustments now. If the bumper needs to be moved vertically or horizontally, loosen the two tight bolts holding the cradle and adjust accordingly.

Step 55



Tighten the outer wing mount hardware. Verify that the gap is satisfactory.

Step 56



Once the bumper is positioned satisfactorily, tighten any remaining hardware starting with the cradle. Move to the shell, tightening the upper mounting bolts, then the the lower mounting bolts. Follow up with tightening the wing support brackets.

Step 57



You can access the hex bolts mounting the wing to the center of the shell, as well as the wing support brackets, through the wheel liner before it is refastened.

Step 58

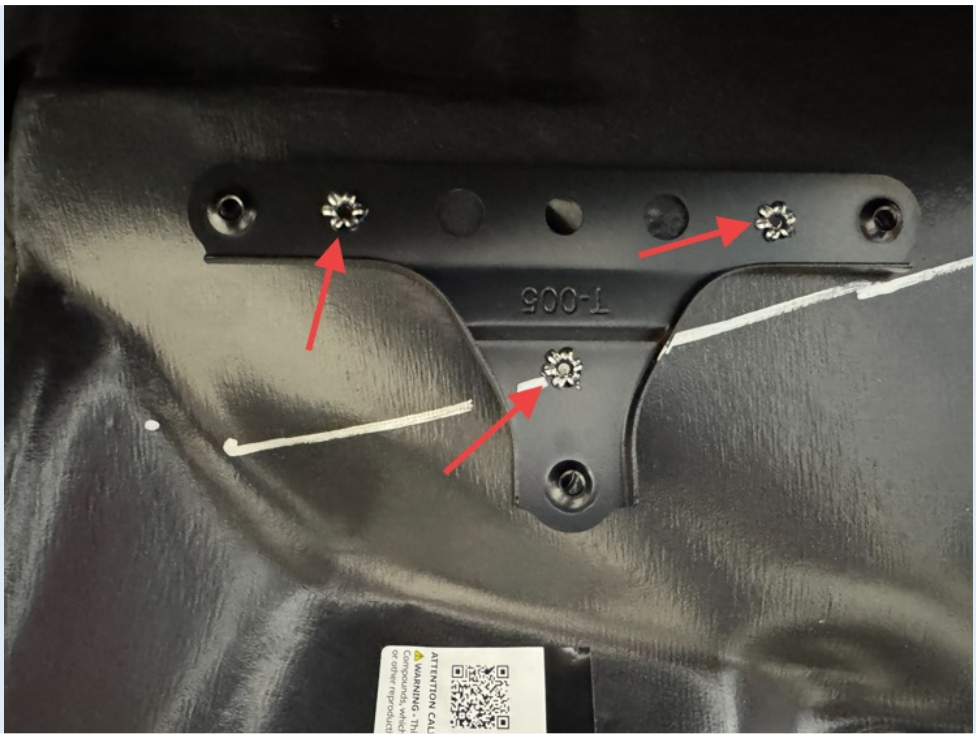
Tie up any loose or unattached wiring and hoses.

Step 59



Hold the wheel liner back in place and use the edge of the wing as a marking guide.

Step 60



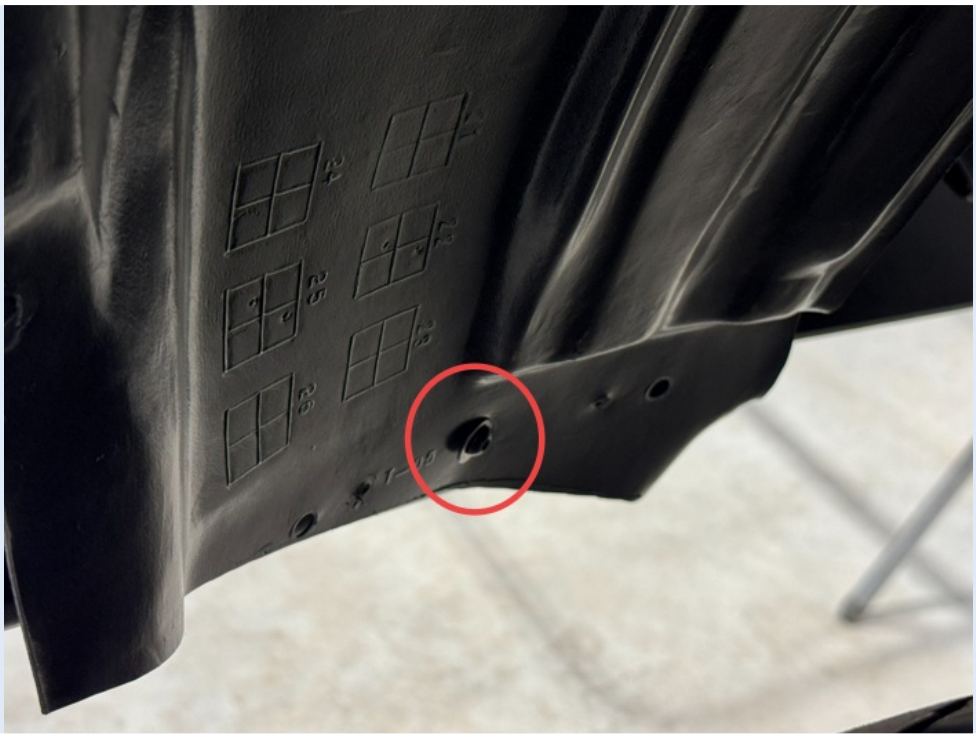
Drill out the (30 rivets securing the bracket on each fender liner and discard.

Step 61



Trim the liner using the mark as a reference. It is advisable to cut about 1/4"-3/8" above the marked line.

Step 62



Fasten the liner tot he backside of the wing using (10 1/4-20 x 1" black button head screw, large diameter black flat washer, and flange-lock nut. There may be an OEM hole that aligns with the mounting slot in the wing that can be used. If not, a hole will need to be located and drilled in the liner to allow attachment.

Step 63



Refasten the wheel liners along the inside of the fender.

Step 64



If you have installed a winch and light-bar, wire those components now, being careful to avoid chafing cables or wiring on any sharp edges.

Step 65



Confirm all hardware is tightened. Congrats! Your installation, is now complete. Enjoy!