

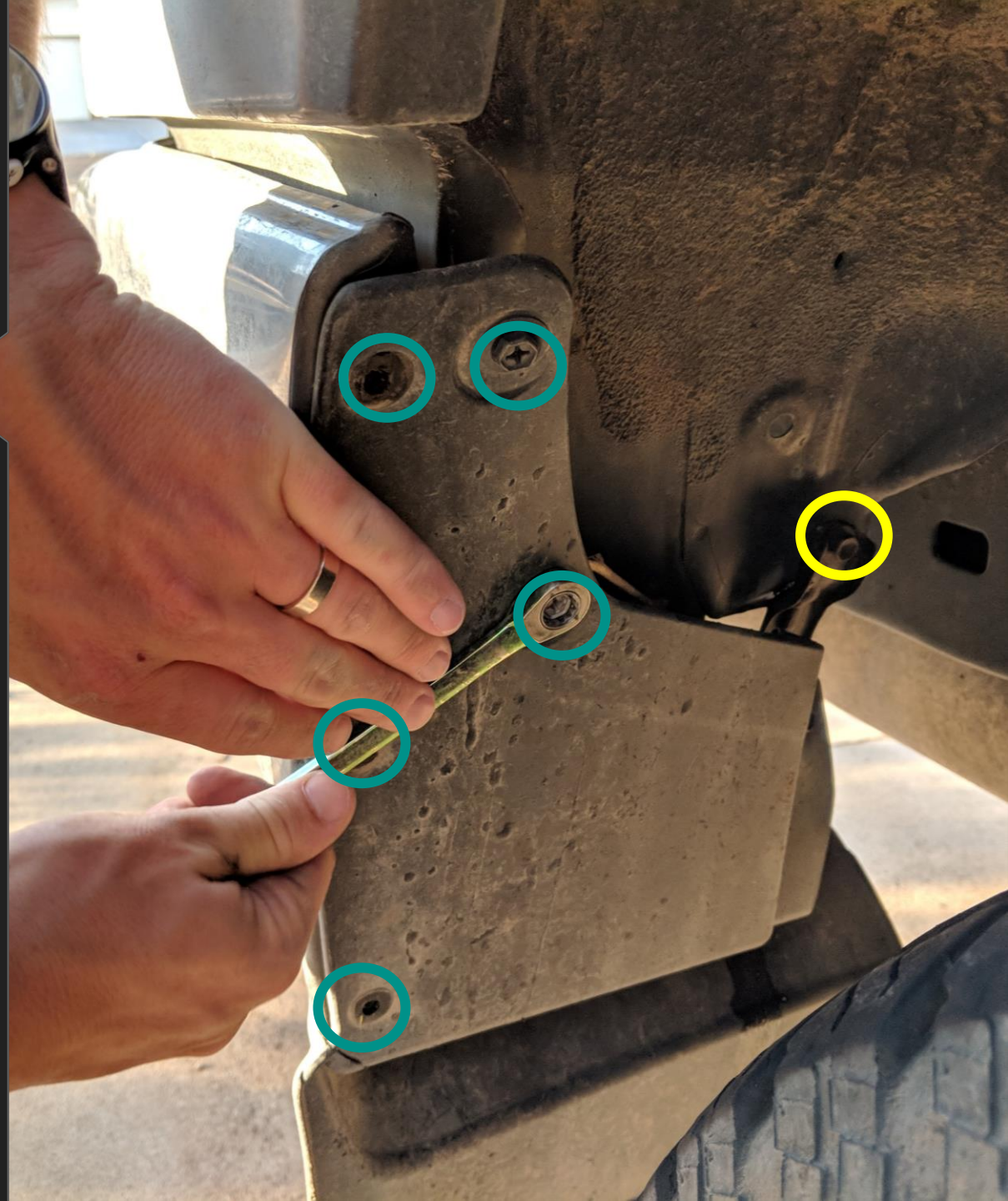
OWL EXPEDITION ASAP FLAPS

- Read these instructions completely before purchasing and installing to ensure you are comfortable with the process.
- Altering your vehicles factory electronic systems inherently comes with the potential to cause irreversible damage. Install at your own risk.
- To ensure success, always wear the appropriate safety equipment and chose the right tool for the job.



Step 1

Remove the 6 bolts holding on the rear mud flaps. Retain the bolt circled in yellow as it will be needed later.



Step 2

Remove the screw clip on the bottom of the factory mud flap and remove the mud flap from the truck



Step 3

Remove the 3 plastic clips from the factory rear bumper and replace with 3 extruded nuts.

Tip: Before installing the extruded nuts, place a drop of any type of lubricant and run a bolt through the threads. Sometimes the nuts can be “sticky” from the coating and its much easier to resolve before installing.



Step 4

Remove the 2 plastic clips from the body and replace with 2 extruded nuts.



Step 5

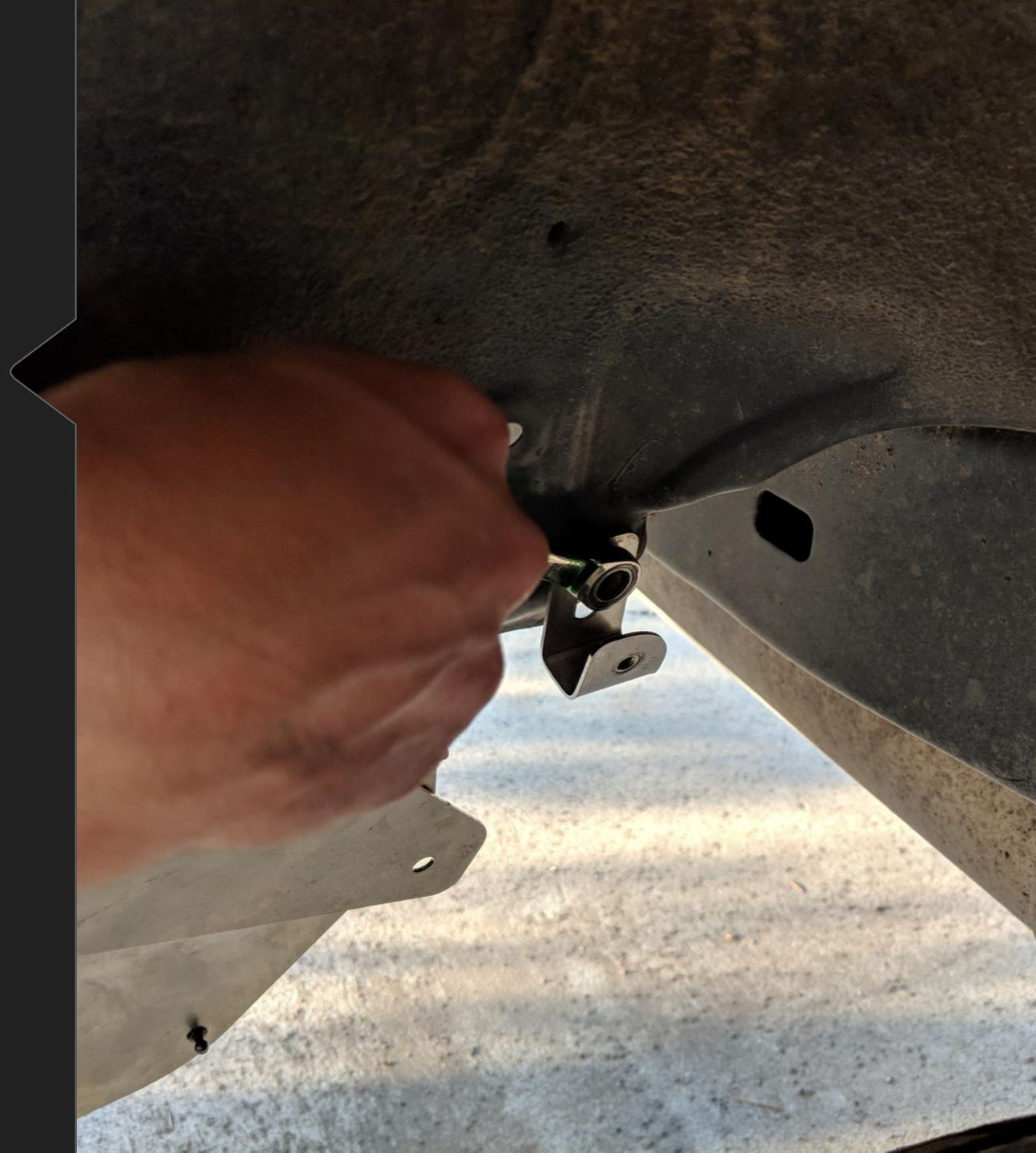
Using 3 flat head bolts, attach the stock rear bumper bracket to the rear bumper.



Step 6

Attach the Passenger or driver rear bracket using the bolt retained from step 1.

Hint: the passenger side bracket is the smaller of the two.



Step 7

Attached the rear bracket through the rear bumper bracket using 2 of the 1" pan head bolts each with a nylon space and nylon washer. Attach the rear bracket to the driver or passenger side rear bracket using a 3/4" pan head bolt with a nylon washer



Step 8 (optional)

Put the rear flaps on and step back and ensure they are level and aligned properly. If not, loosen the bolts and adjust. Once aligned, hold the flap, in the mounted position, to the rear bumper and mark the flap from behind through the small hole in the stock rear bumper bracket.

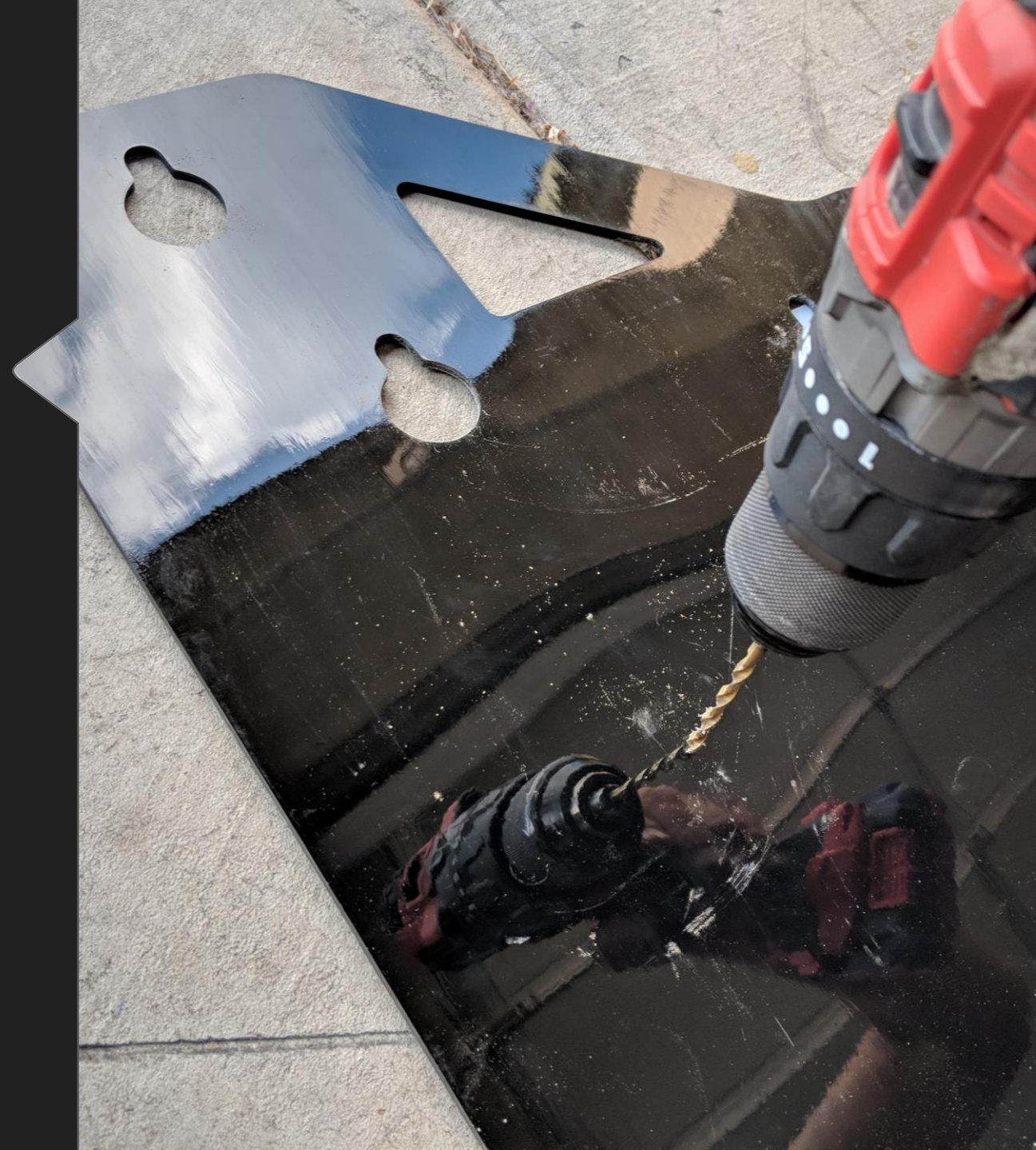
This step is to ensure the flat sits nice and tight against the rear bumper.



Step 9

Starting with an 1/8" drill bit, drill the marked hole on the flap. Screw the ball stud into the rear stock bracket and do a test fit. The flap should be capable of being pressed onto the ball stud but should not be loose. If too tight to press on, incrementally increase the hole size until acceptable.

Tip: use locktite when installing the ball stud to ensure it doesn't come loose in the future.



Step 10

Repeat the previous 9 steps for the opposite side.



Step 11

Remove the 3 bolts holding the front fender liner and cladding (LX470). Retain the bolt circled in yellow as it will be reused.



Step 12 (Only LX470)

The LX470 has 2 10mm bolts holding the cladding on underneath. These must be removed. This is easy without sliders but can be challenging with. Lowering bolt-on sliders slightly and using a ratcheting box wrench makes this much easier.



Step 13 (Only LX470)

Using a plastic prybar from the top, gently remove the cladding from the body.



Step 14

Remove only the two lower plastic clips holding the fender liner on. These often break when being removed but are not needed.



Step 15

Gently pull back the fender liner and replace the 2 lower clips removed in the previous step with extruded nuts.



Step 16 (Only LX470)

Replace the body cladding in the reverse order



Step 17

Screw a 3/4 pan head bolt, nylon washer, and nylon spacer to the pressed in nut on the front bracket.



Step 18

Screw the front bracket to the body using 2 1" pan nuts, nylon washers, and spacers. Replace the factory bolt removed in step 9 (circled in yellow)



Step 19

Install the 4 small allen head bolts/ lock nuts into each bracket to hold the mud flaps in place. The bolt head should be pushed snugly against the flap then tightened into place.



Step 20

Put all 4 flaps on and admire!



Enjoy your new ASAP Flaps!

Thank you for your support!

 **OWL EXPEDITION**

For technical help, please contact us at OwlExpedition1@gmail.com or (304)-276-6523.