

WYCKED HITCH

HAND CRAFTED ONLY IN AMERICA  PAT. #9963005

Thank you for purchasing the Wycked Hitch System for your Polaris SLINGSHOT. As a fellow SLINGSHOT owner, I have poured my heart and soul into the development of this product. This system has been designed and tested to give you years of trouble free towing and quick-release installation of many accessories. Our goal is to make your traveling on 3 wheels most enjoyable while maximizing the capabilities of the American Made, Polaris SLINGSHOT!

Capacities: High Mount Hitch; (Above Rear Wheel with Gooseneck Trailer Adapter)

1,000 lbs. Max Towing with a Tongue Weight Max of 120 lbs.

*Note; This capacity may be increased by adding trailer brakes.

Diamond Drop Hitch;

600 lbs. Max Towing with a Tongue Weight Max of 60 lbs.



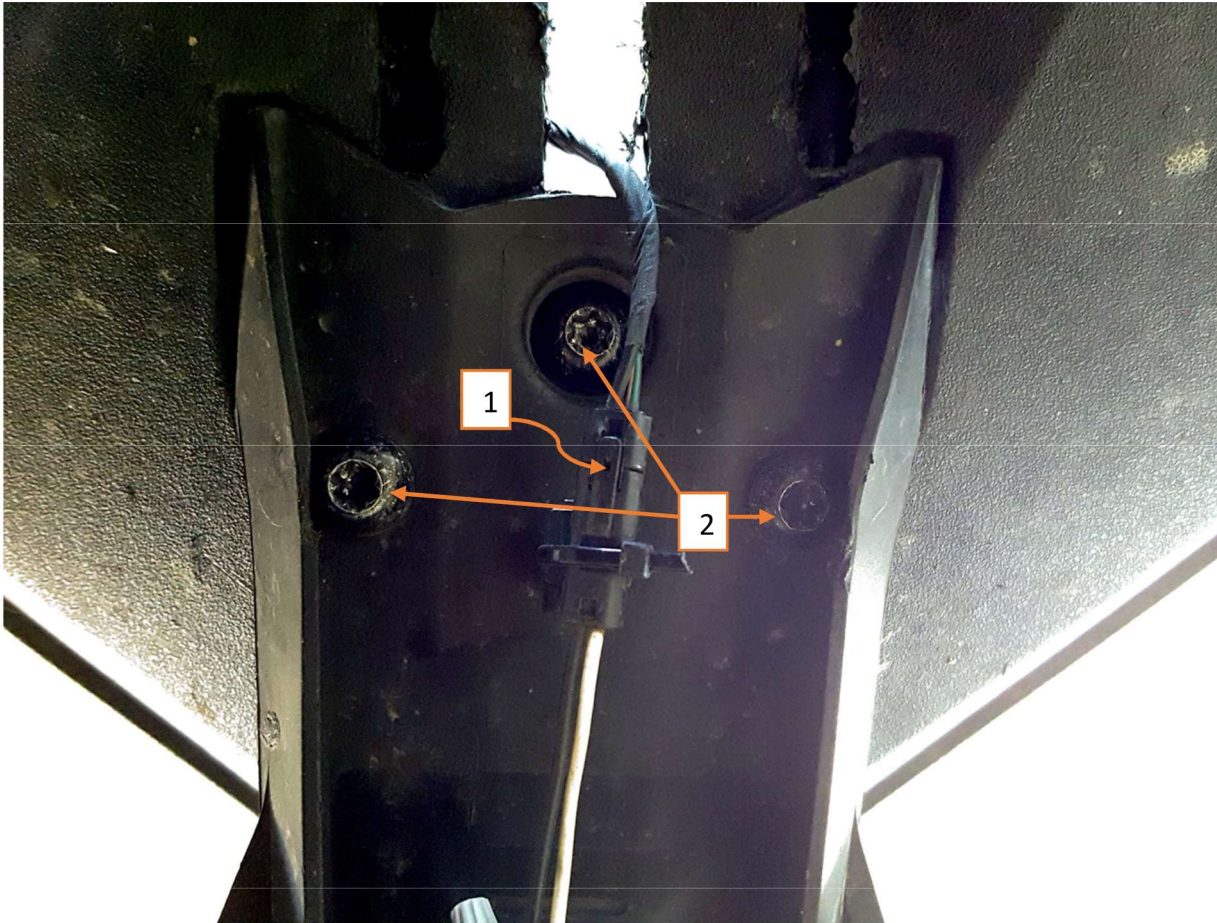
Tool List: Cold Beverage(s) Summer, Hot Beverage(s) Winter, Carbs, Your God Given Intellect & Abilities.

T-25 & T-40 Torx Bits (Although a T-30 works), Extension bit for Torx Bits, Driver for Torx Bits.

½" Drive Socket Wrench, Extension, Socket U-Joint. We also recommend a Torque Wrench with 14mm, 15mm, 17mm, 5/8", 13/16" Sockets (all 1/2" drive), 7/8" & 13/16" wrenches (You can substitute with wrenches and a 3/8" drive if necessary). Crescent style adjustable wrench. An impact driver with a socket adapter is recommended to save on install time. Masking Tape, felt pen, ruler, and Roto-Zip/Dremel/Router/Jig Saw. Also included are 2 push-pin autobody panel clips that can be used on each side of the underbody panel slot. You will need to drill holes for the panel clips.

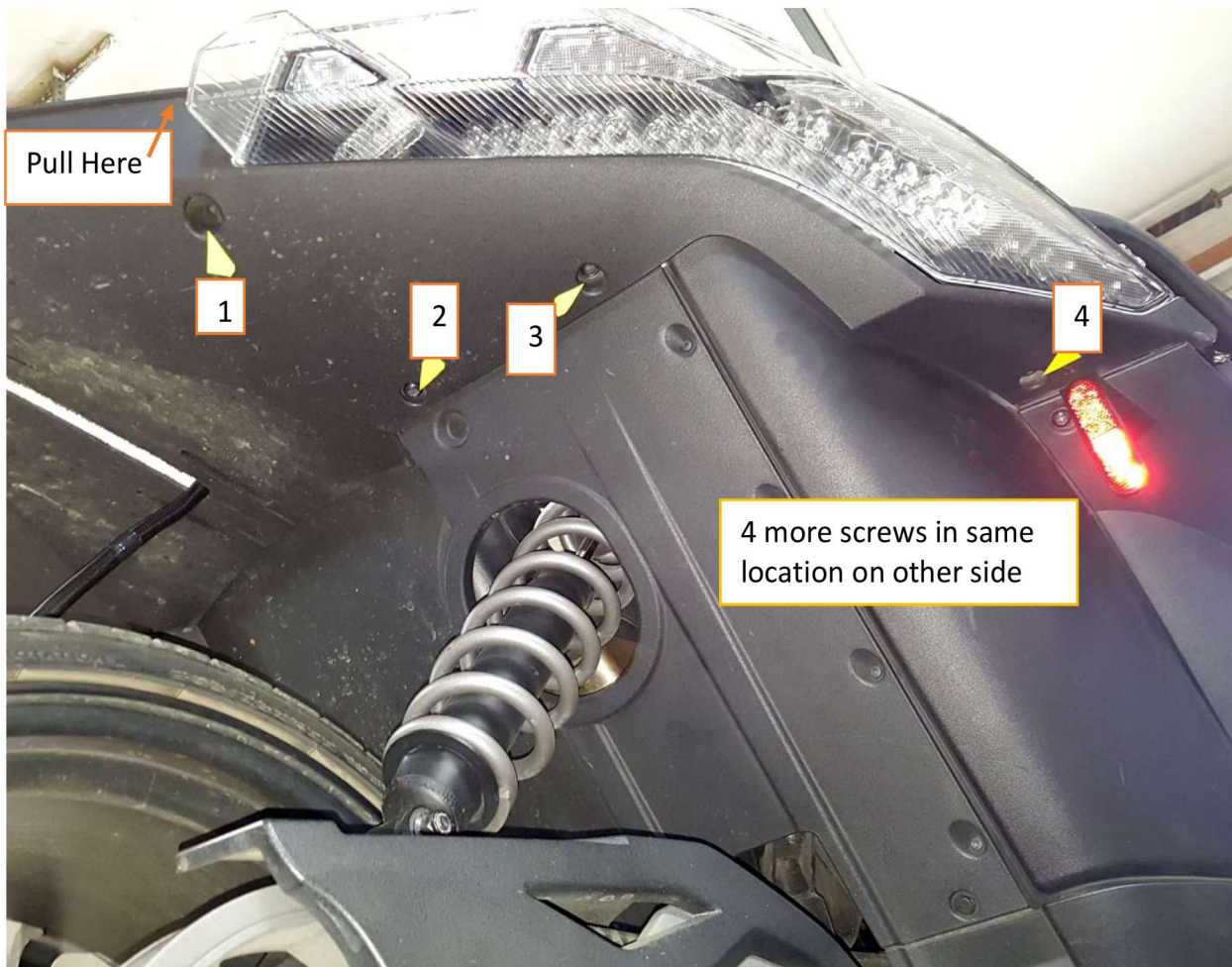
Installation Instructions

1. Disconnect the license plate wiring harness. **Hint; use a small screwdriver to pry up the tab that keeps the connector from separating.**
2. Remove the 3 torx-head screws (T-40) and place in a labeled bag or container.
3. Set the license plate bracket aside (you will either modify it, or replace it). We suggest the use of our Wycked plate relocater, or any swing arm mounted relocater.



Congratulations! You are now fully committed to this hitch install because you are **illegally equipped!** (No license plate!) Welcome to the Wycked Outlaw SS Club!

4. Remove the 8 screws from the rear deck underbody panel, 4 per side (T-40). Place screws in a labeled container. The panel removes easily if you pull it from the tail light area that retains it. Set the panel aside, you will cut the receiver slot into it later.



Next you will remove the Roll Bar Covers, Gas Cap Flange, Rear Deck Inserts, Roll Bars, Back-up Camera (or Camera filler cover), and the Rear Deck Assembly. If the following pictures and instructions do not give you enough information, there are some great YouTube videos that detail this process. Check out our website at www.wyckedhitch.com for the links and our own install video. **Reminder; do not forget to remove the hidden screws from below the tail lights that attach the upper rear panel to the tail light assembly!**

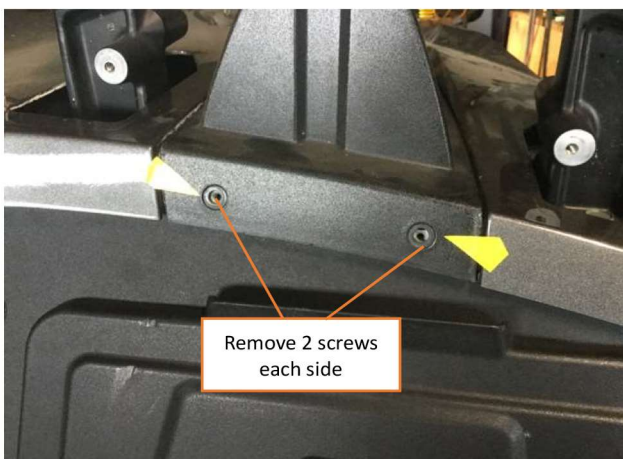
5. Remove the 6 screws that attach each roll bar cover to the roll bar. Place the screws back into the pieces you removed them from so you don't lose them, and set the covers aside.



6. Remove the gas cap, place a rag in the fuel fill inlet and remove the fuel fill flange.



7. Remove the 2 screws that hold the 2 deck Inserts in place. Label screws and store.



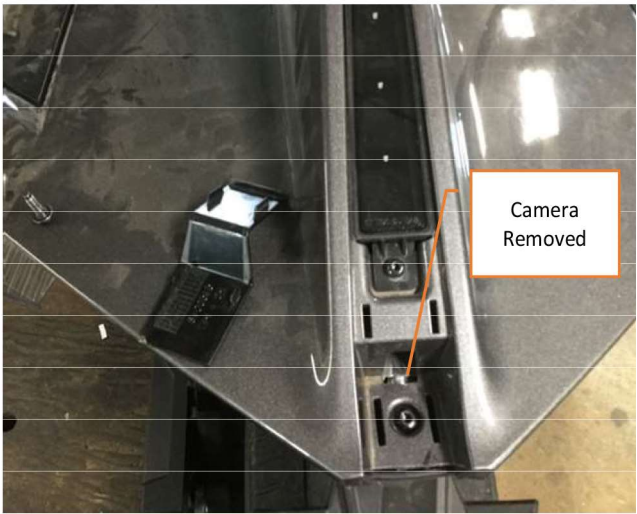
8. Lift the inserts from the front, slide them forward, then lift them out.



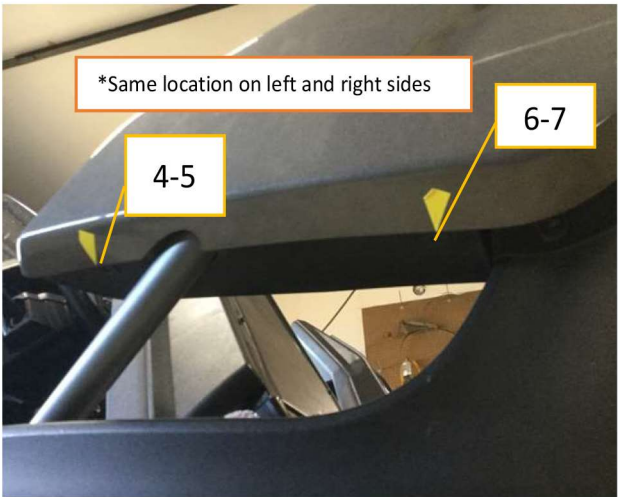
9. Using a $\frac{1}{2}$ " drive wrench with a $\frac{5}{8}$ " socket and universal joint, remove the 8 bolts holding the roll bars in place. They have been installed with thread lock, so warm up those muscles!



10. Remove the rear panel cover by prying up from the back edge. If you are equipped with a rear camera, carefully remove it so as not to damage the wiring when you expose the screw. The camera needs to be pulled out to get to the wiring harness clip.



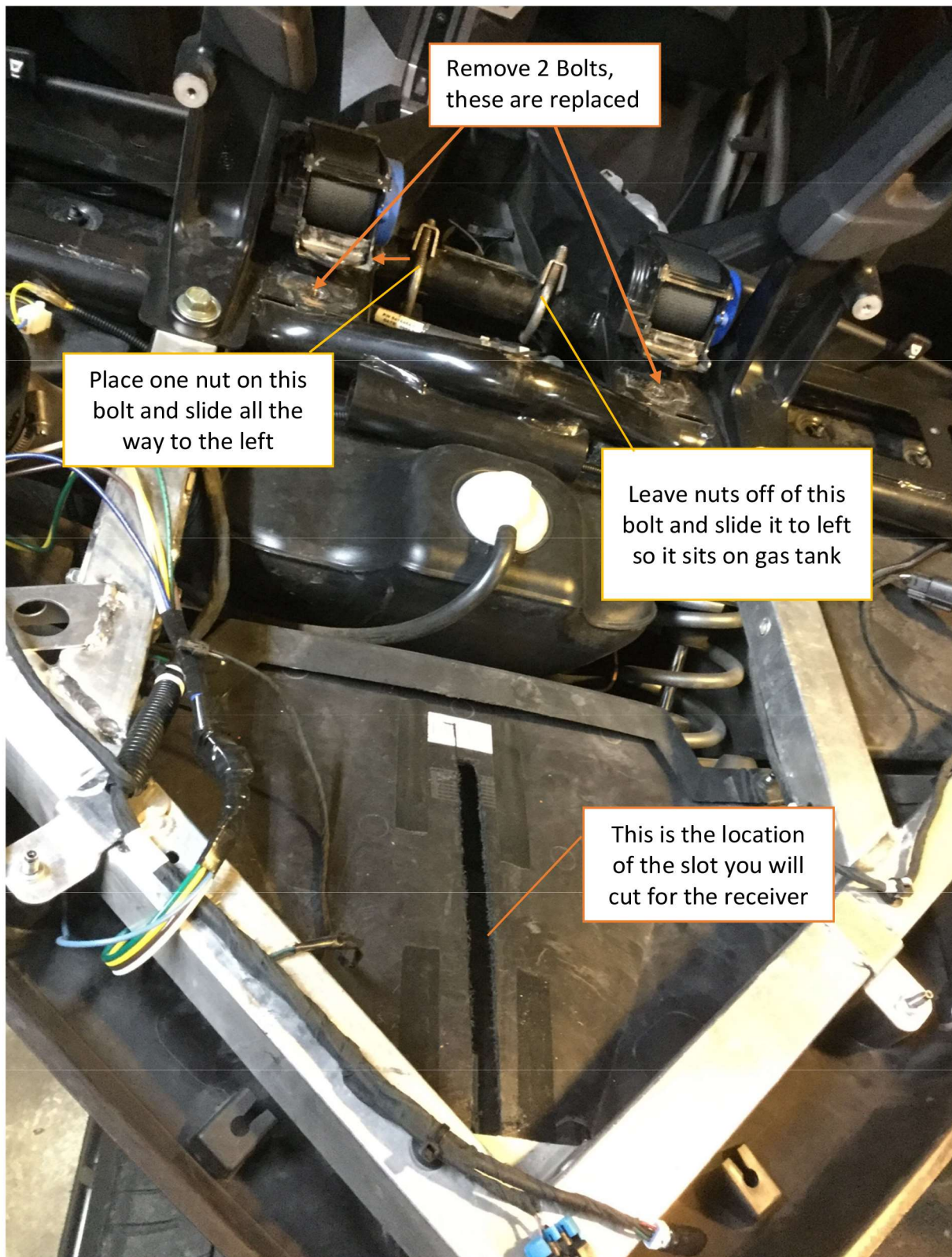
11. Remove the 12 screws that hold the rear deck to the frame of the Slingshot, label & store. On later Slingshots, plastic panel clips are used in place of screws #4,5,6,7.



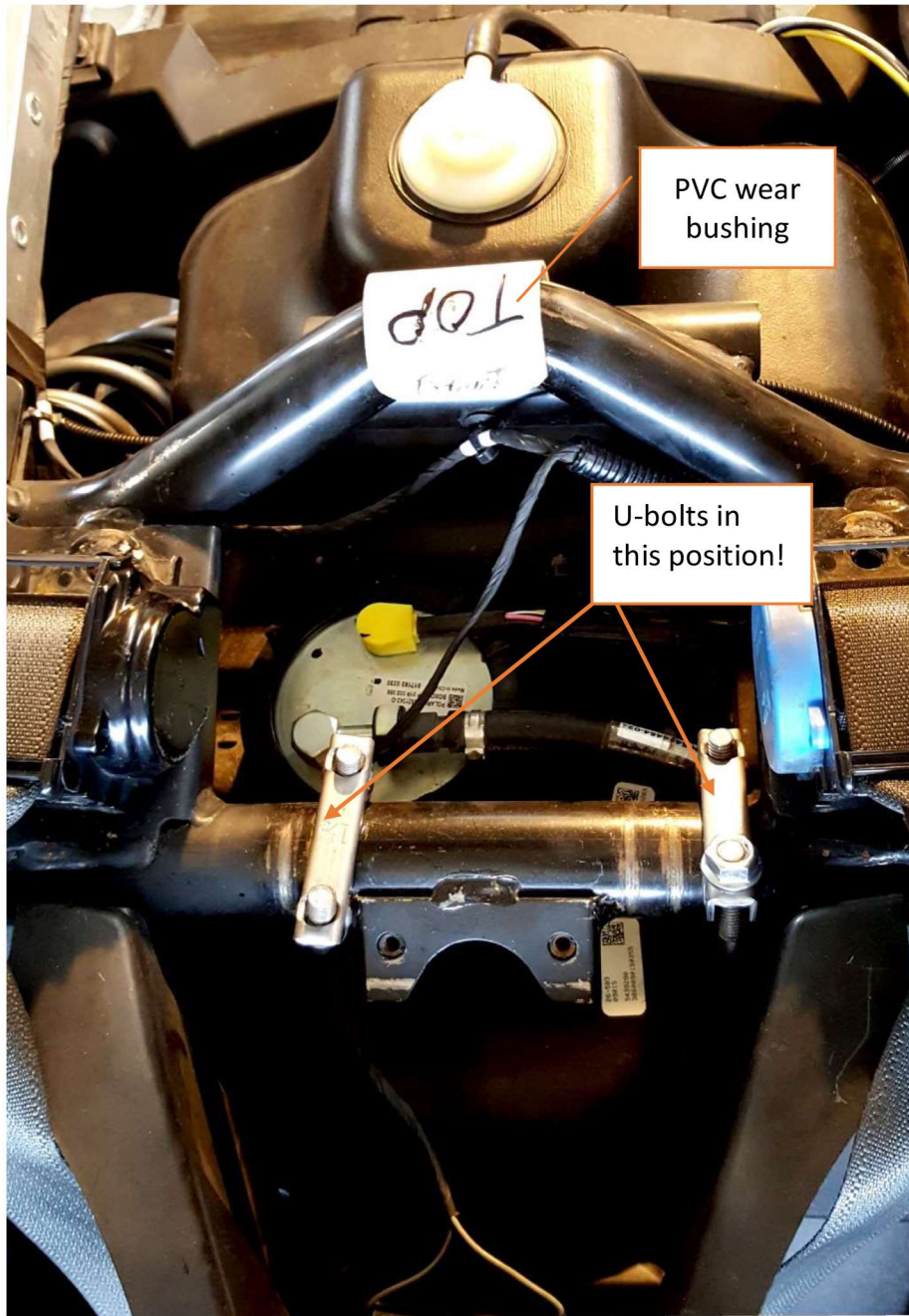


12. Lift the rear deck up a couple of inches at points (A), and disconnect the LED brake light harness and rear camera harness. Have someone assist you in lifting off the rear deck. Hint; release the back lip at points (A), release around tail lights at (B), then flex the sides out at (C) and lift straight up.

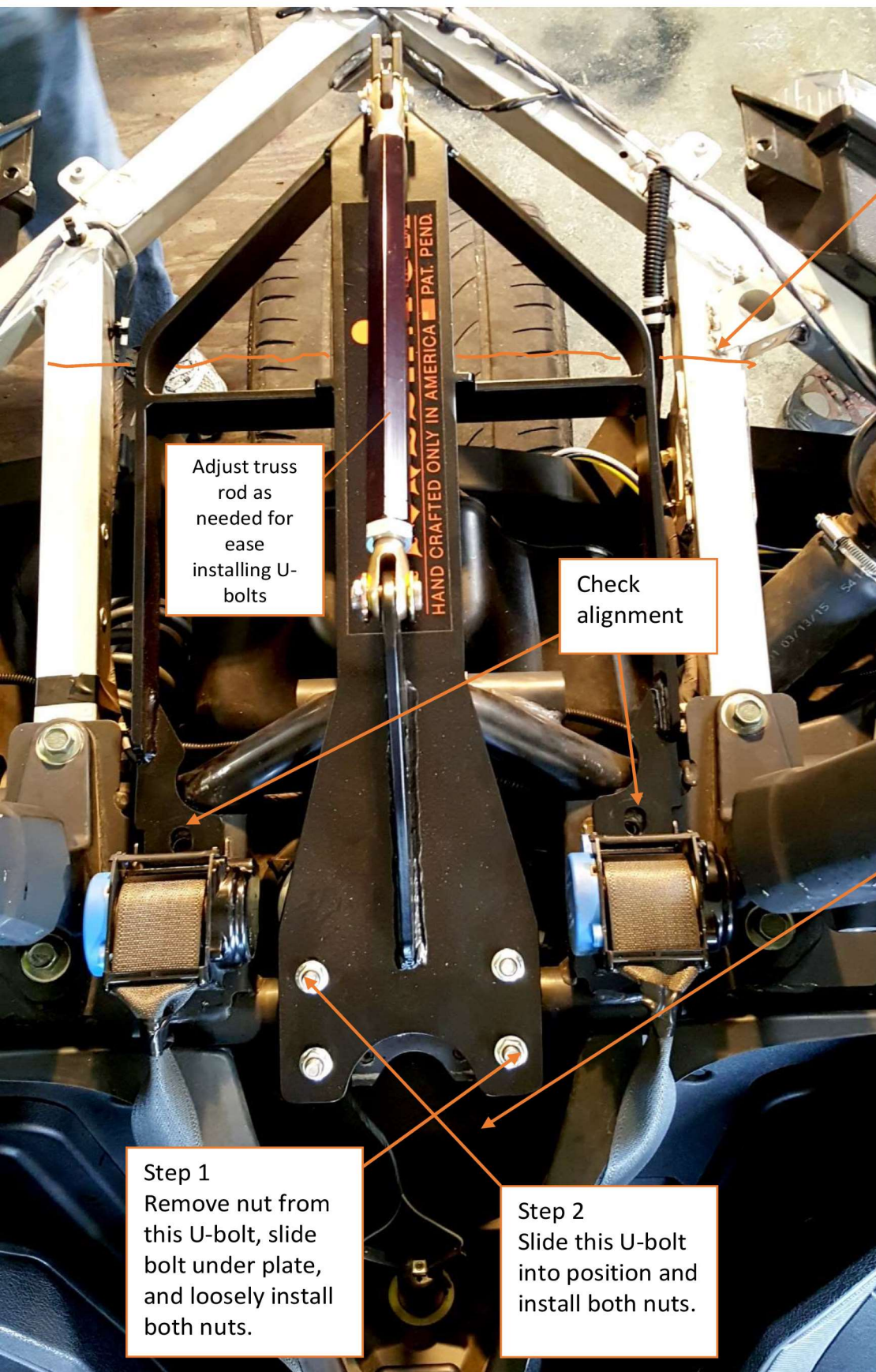
13. Remove the 2 Seatbelt Retractor Bolts, and place the 2 hitch U-Bolts in the locations shown
Hint; Pull some slack from the seat belts, and then tie them so they don't retract on you!



14. Clip the PVC wear bushing over the top of the rear frame piece. Make sure the U-bolts are positioned as shown with one nut holding the driver-side bolt in place.



15. Set the hitch frame in place and check alignment of mounting holes. **Hint; It may be necessary to adjust the truss rod so you get the correct amount of deflection at the attachment points. You might also need to stand on one of the outside frame supports and pull upward/push downward on the other one to get the correct measurement between the seat belt retractor bolts (this variance is due to the contraction of the steel during the welding process).**



Hint; Have someone assist you or use a piece of wire to support the rear of the hitch frame.

Adjust truss rod as needed for ease installing U-bolts

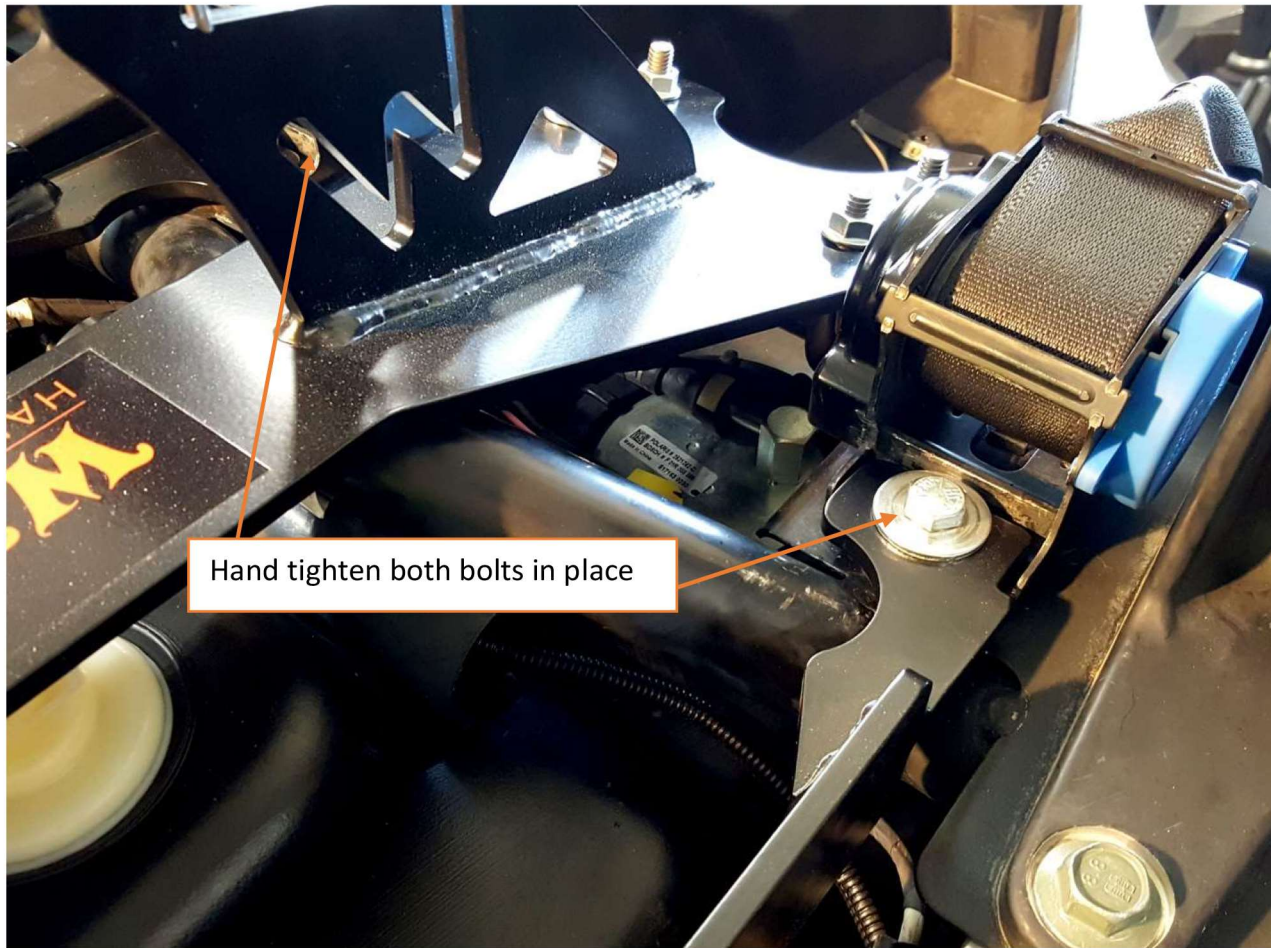
Check alignment

Do not drop any parts here!

Step 1
Remove nut from this U-bolt, slide bolt under plate, and loosely install both nuts.

Step 2
Slide this U-bolt into position and install both nuts.

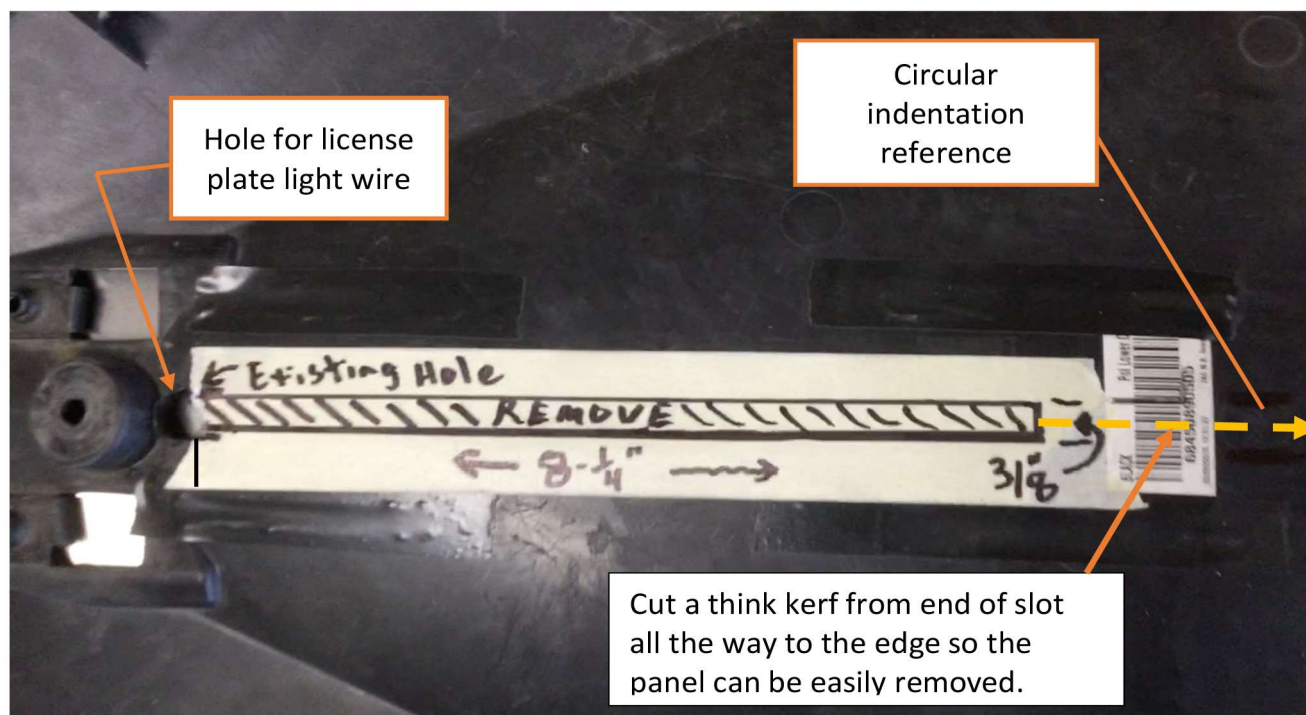
16. Loosely install the frame attachment bolts at the seat belt retractors as shown, you must use the longer M10 bolts supplied with the hitch.



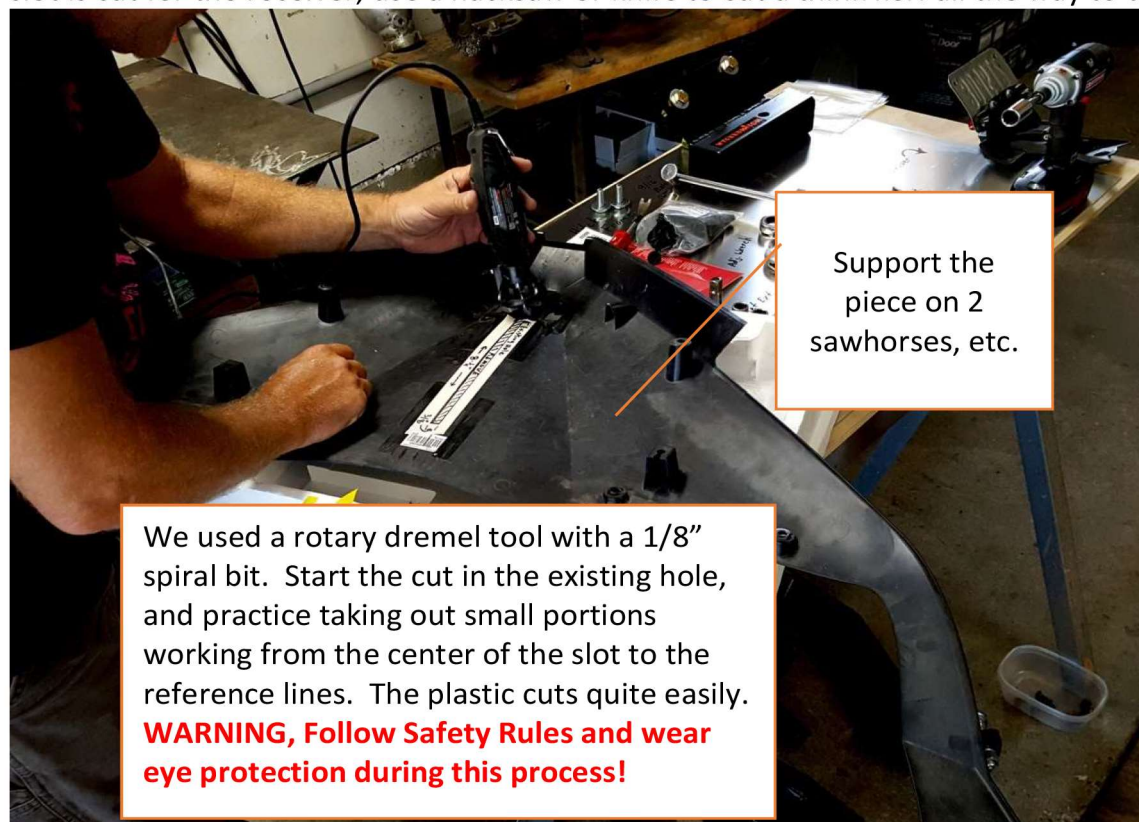
17. Place a piece of masking tape on the rear underbody panel as shown, draw out the dimensions, and cut-out the receiver slot with a roto-zip, dremel, scroll saw, or laser (whatever works for you, works for us!). If you are new to this, get some help from a local shop teacher!



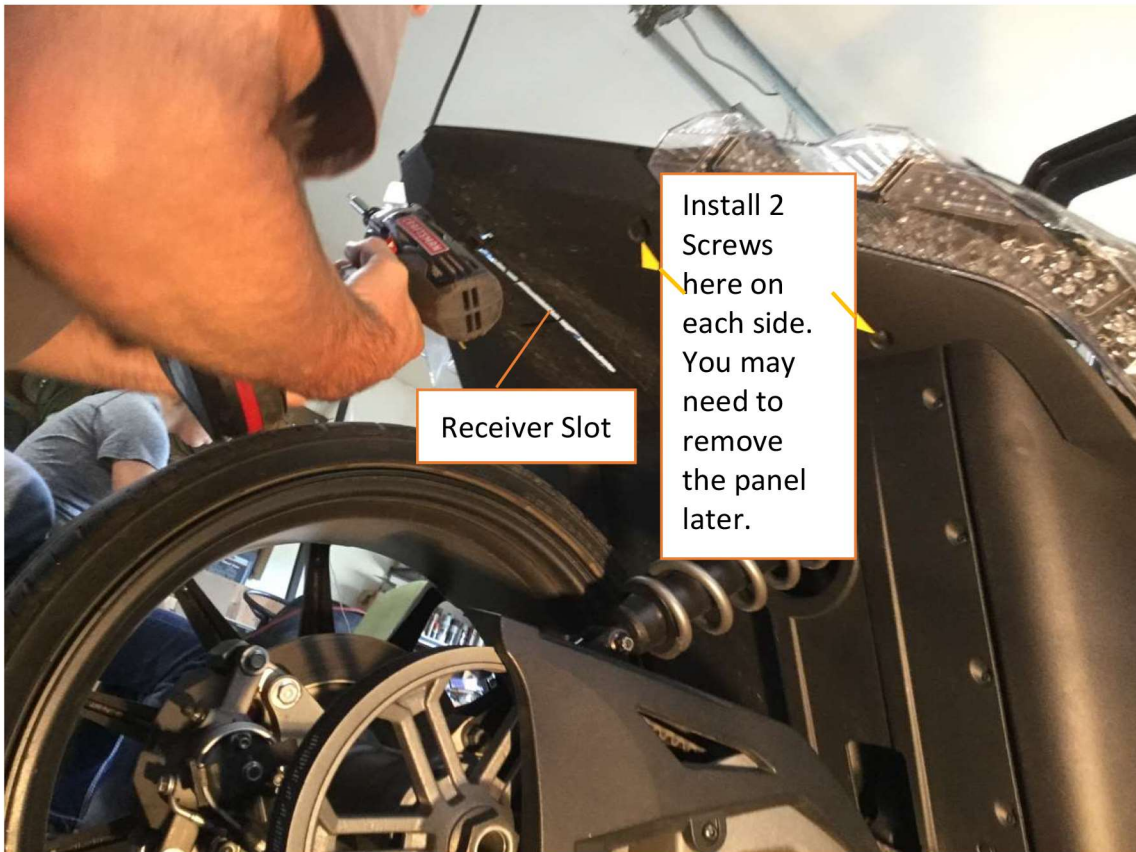
18. Use these dimensions and existing panel holes/indentations for correct slot alignment:



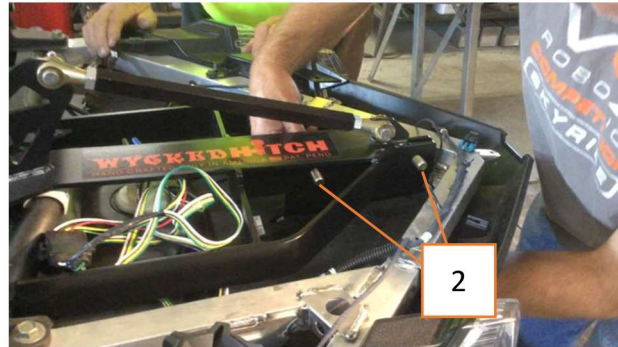
19. Cut out the slot. Note; If you use a router you should cut from the other side. After the slot is cut for the receiver, use a hacksaw or knife to cut a think kerf all the way to the front.



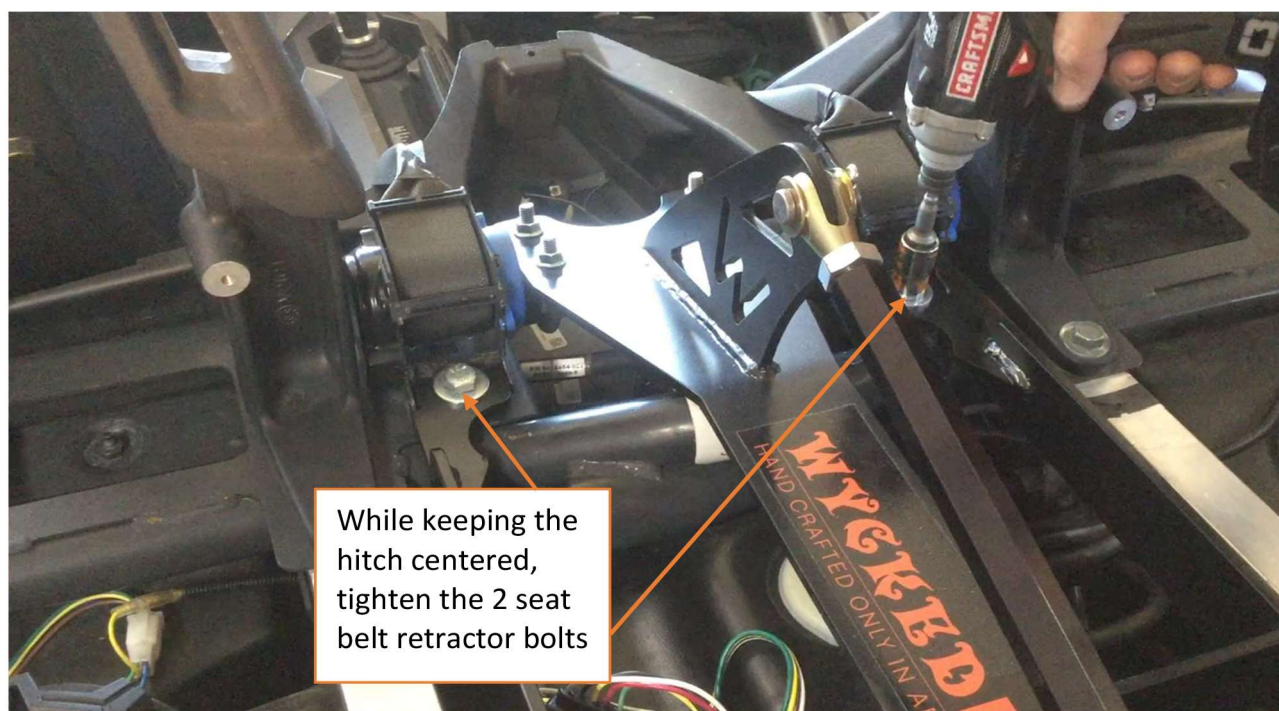
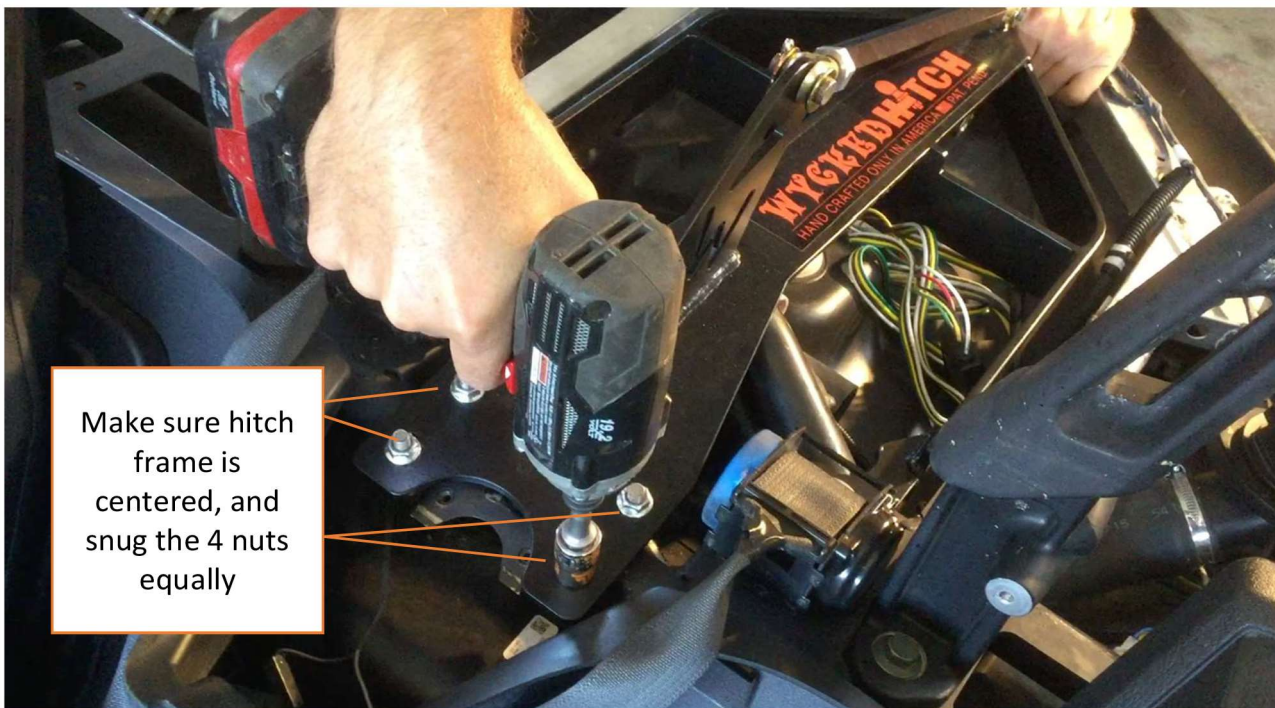
20. Install the rear underbody panel on your SS using T40 screws. Trim the slot you cut as necessary for a proper fit around the receiver.



21. Slide the hitch receiver up through the slot you cut in the underbody panel (1) and position it in the hitch frame as shown (2). Hand tighten the two nuts with washers on the 9/16" bolts.

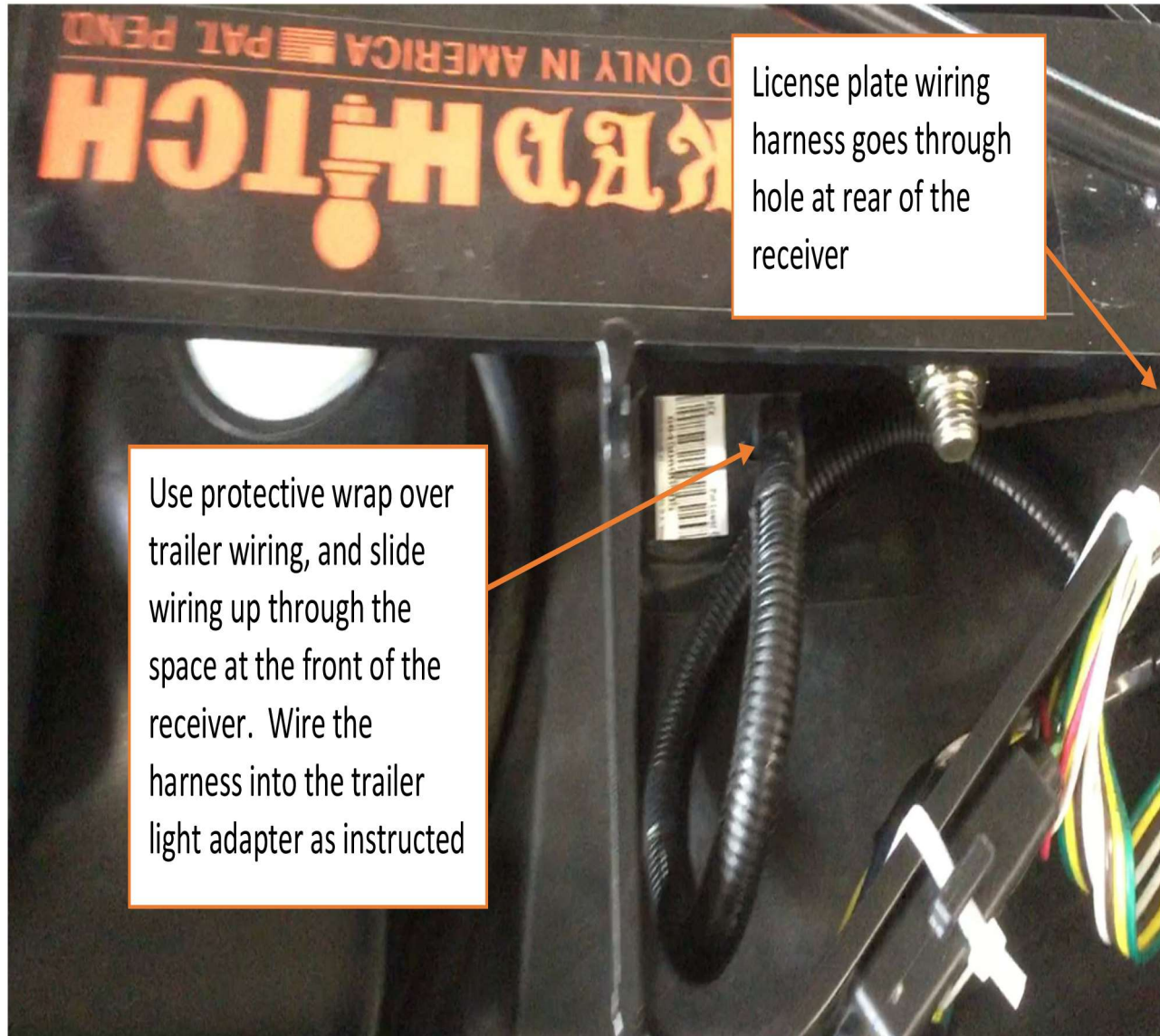


22. Center the Hitch Frame in the rear frame sections of the SlingShot. Snug the U-Bolts and the Seat Belt Retractor Bolts. Check the clearance of the slot in the plastic underbody around the receiver. Trim the plastic as necessary for proper fit. Install the remaining screws in the underbody panel.



23. Once all is centered, Tighten the two 9/16" receiver bolts to 60-70 ft. lbs. Tighten the two Seat Belt Retractor Bolts to 40-50 ft. lbs. Tighten the four U-Bolt Nuts to 30-35 ft. lbs.

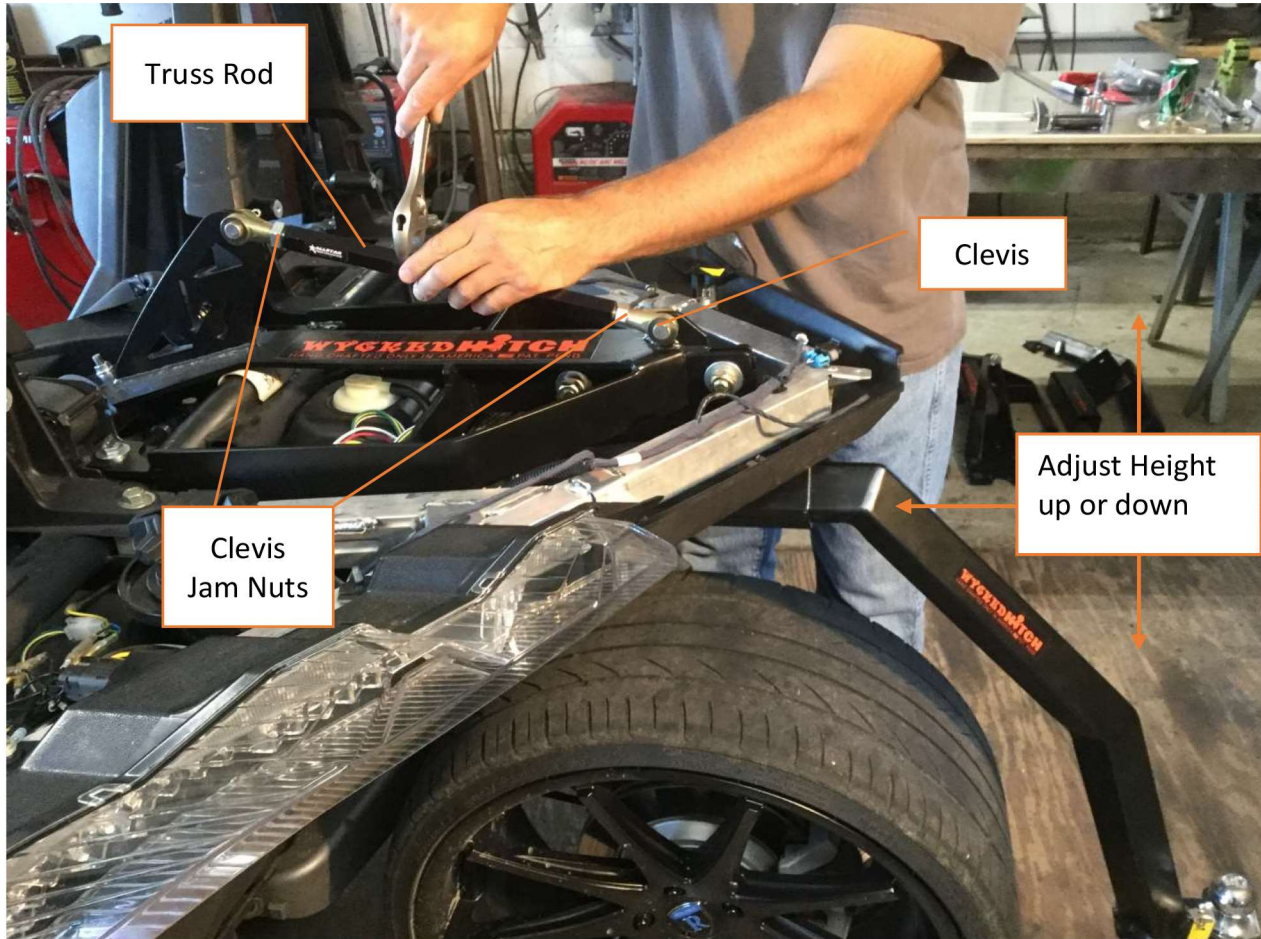
24. Install your trailer wiring harness per manufacturers instructions, make sure to check connections and function with your trailer. Route your trailer wire connector as shown to conceal it and protect it from corrosion. **Place the license plate light wire in it's original location (if you are not moving it to the swing arm). You can remove the steel backing plate from the plate holder which allows you to flex the plate to slide the drop hitch in and out. We also sell a plate relocater that gives clearance for the plate.**



Leave about 6" of slack in the trailer wiring connector so that you can store it inside the receiver. Buy an extension plug long enough to run through the drop hitch +6". Cut the upper plug off leaving 6" of cord. Use a piece of wire to pull the wiring up through the drop hitch. Wire the upper plug back onto the extension, tape it, and you are ready to connect all to your trailer.



25. Adjust the receiver height to your liking by unlocking the jam nuts on each end of the hitch frame truss rod. Turn the truss rod with a wrench for adjustment up or down. ***You must not expose more than 1" of threads on the Clevis's or you could possibly weaken the device.** When you have reached the desired height, lock the clevis jam nuts.



26. Hook-up your trailer and take it for a test ride! Double check all connections, and fasteners. If all is satisfactory, begin with Step #12 and work back up to Step #1 to reassemble your SlingShot. **Hint; Start the T40 and T25 screws by hand so you don't cross-thread them.**

**Congratulations! You just completed a 22,800 calorie, fat burning, muscle building, work-out! Our advice (if you haven't done this already?), is to go grab a cold beverage of choice, sit back and admire your hard work!*