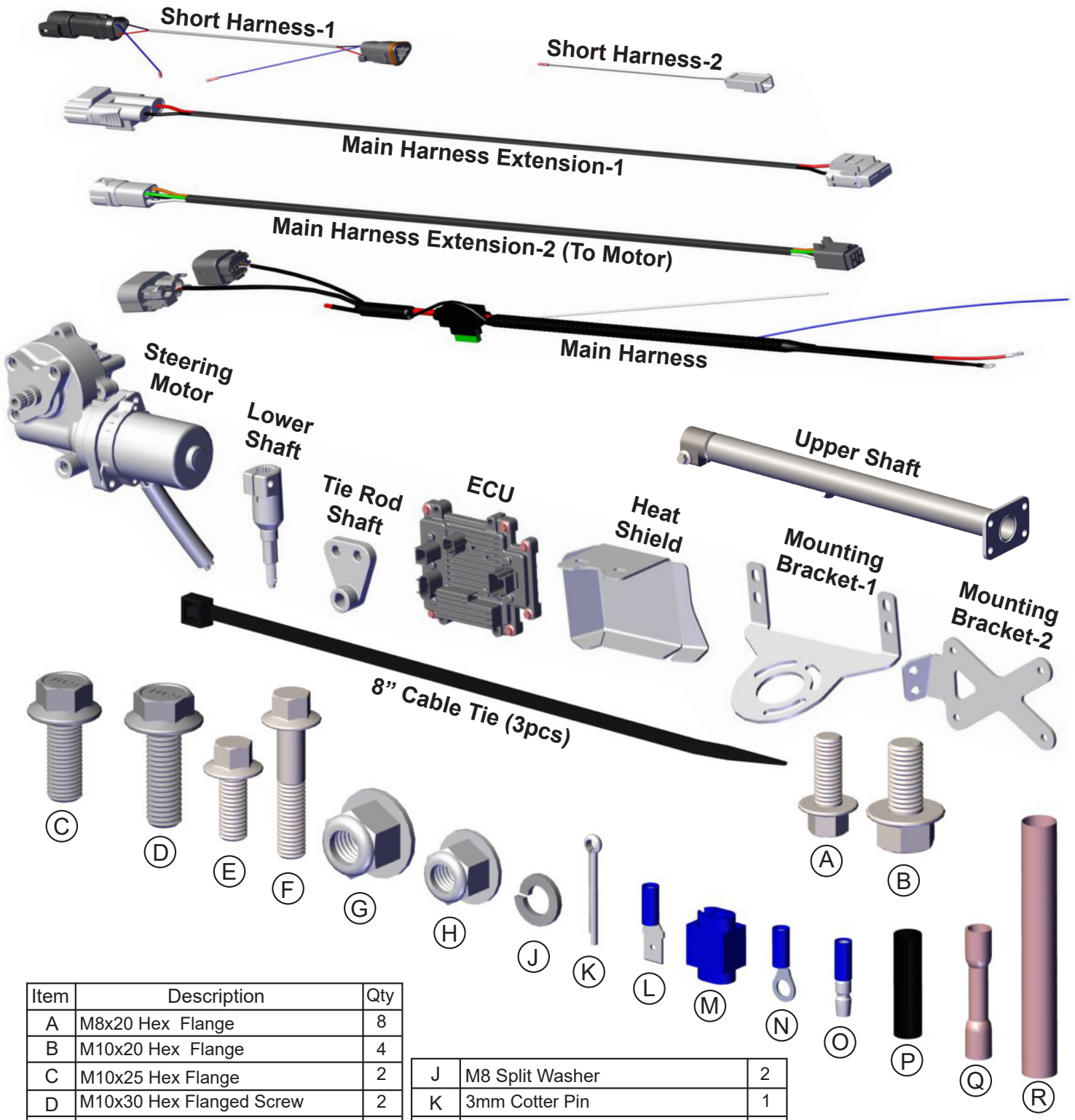
2753 Michigan Road · Madison, Indiana 47250
855-743-3427

# INSTALLATION INSTRUCTIONS

## Power Steering Kit: IN-PS-CA-GEN2




| Item | Description | Qty |
|---|---|---|
| A | M8x20 Hex Flange | 8 |
| B | M10x20 Hex Flange | 4 |
| C | M10x25 Hex Flange | 2 |
| D | M10x30 Hex Flanged Screw | 2 |
| E | M8x20 Socket Shoulder Bolt | 2 |
| F | M8x40 Hex Flanged Screw | 2 |
| G | M12 Nylock Nut | 1 |
| H | M10 Nylock Nut | 4 |

| | | |
|---|---|---|
| J | M8 Split Washer | 2 |
| K | 3mm Cotter Pin | 1 |
| L | Spade Terminal | 3 |
| M | Wire Pierce Insulator | 2 |
| N | M6 Ring Connector | 1 |
| O | Barrel Connector | 1 |

| | | |
|---|---|---|
| P | Heat Shrink Tube 30mm | 1 |
| Q | Butt Splice Connector | 2 |
| R | Heat Shrink Tube 75mm | 2 |

©2023 Superatv.com. All Rights Reserved

**1**.Before you start taking the body panels and other items for this installation, you will need to modify the wiring harness with item in your kit. The first thing is you will need to find the small separate connector with the White Wire, and also the white wire from your new harness as shown in **Fig.1**.

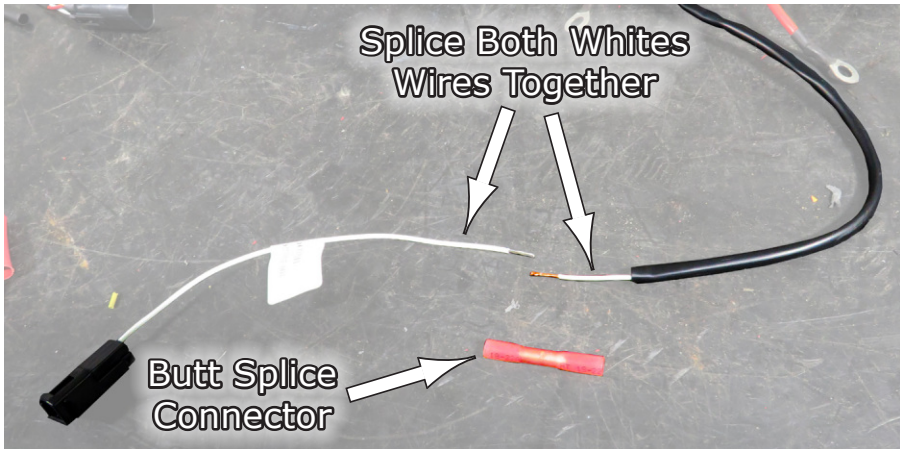



**Fig.1**

**2**. Then using the Butt Connector and heat shrink Tube supplied in your kit,connect the two white wires together making sure you slide on the heat shrink tube onto one of the wires before crimping the butt connector. Then crimp the butt connector and shrink the tubing over the connector. See **Fig.2**.

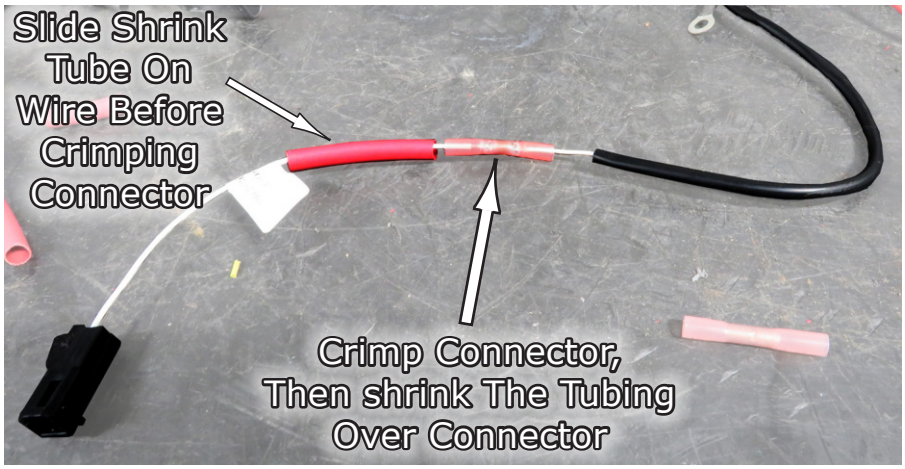
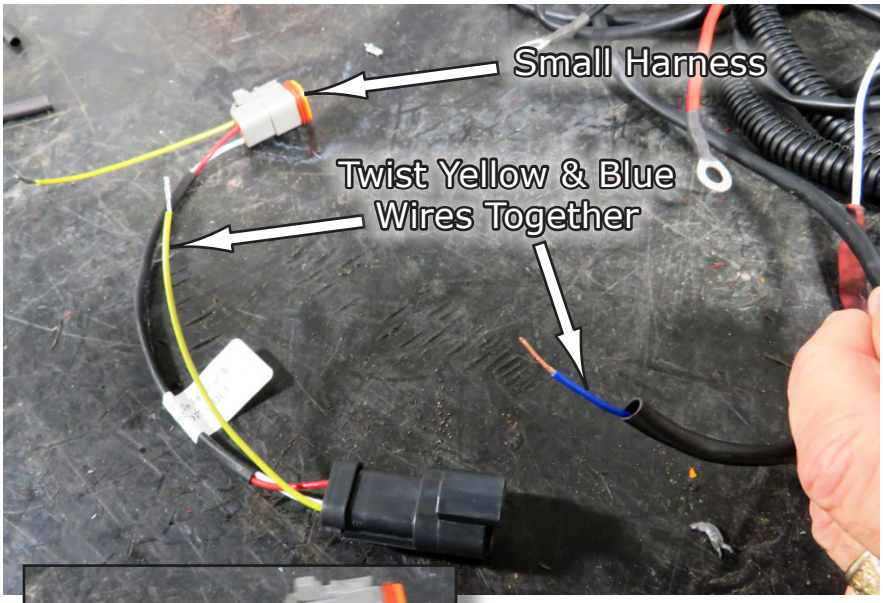



**Fig.2**



©2023 Superatv.com. All Rights Reserved

**3**. Now find the other small connector with the White, Red and Yellow wires. Then twist the Yellow and Blue wires together a shown in **Fig.2**.



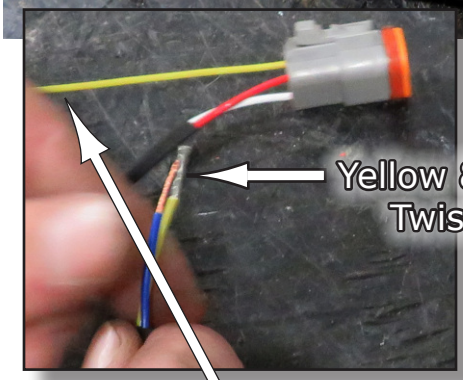




**Fig.2**

**4**. Next you will splice that twisted pair with the remaining Yellow wire from the small harness connector using another Butt Splice Connector.

Again, be sure you slide the Heat Shrink Tubing over one of the wires before crimping the Butt Connector. Then crimp the connector and heat shrink. See **Fig.3-4**.




**Fig.3**




**Fig.4**

**5**. **Fig.4** shows the modification complete. Yours should look like that one when you are finished.



©2023 Superatv.com. All Rights Reserved

**6**. Next you will need to remove the Seat and Body Panels from the top and both sides in order to gain access to the steering areas to install the motor assembly.




**Fig.5**

**7**. Remove the top cover by lifting up from the front, then unplug the connector from the display and set cover aside as shown in **Fig.6**.

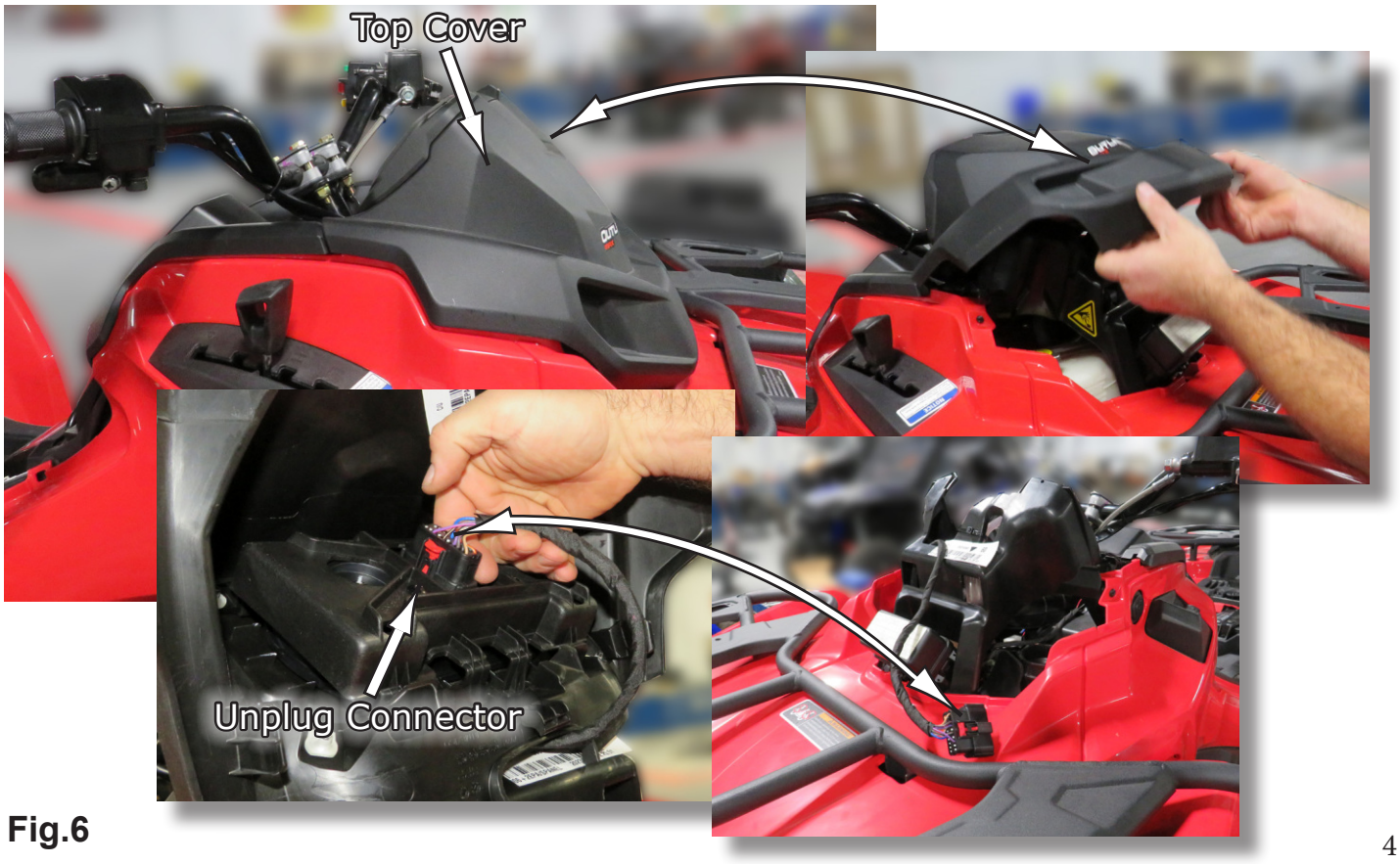



**Fig.6**



©2023 Superatv.com. All Rights Reserved

**8**. Now remove the smaller cover on the other side if the handle bars in front of the seat by lifting up as shown in **Fig.7**.




**Fig.7**

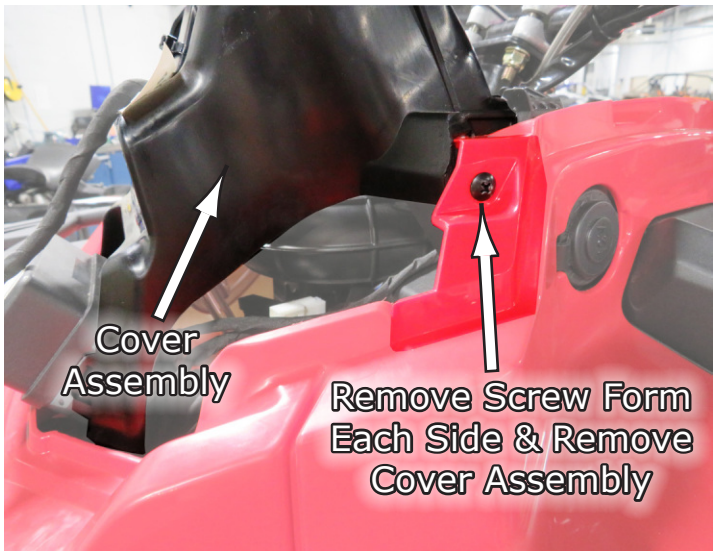



**Fig.8**

**9**. Next you can remove the assembly back in front of the handle bars by removing the screws holding it in place, one on each side, as shown in **Fig.8**.

**10**. Now move to the rear of the seat area and you will remove the rear under seat cover by removing the push pins and bolts as shown in **Fig.9**.

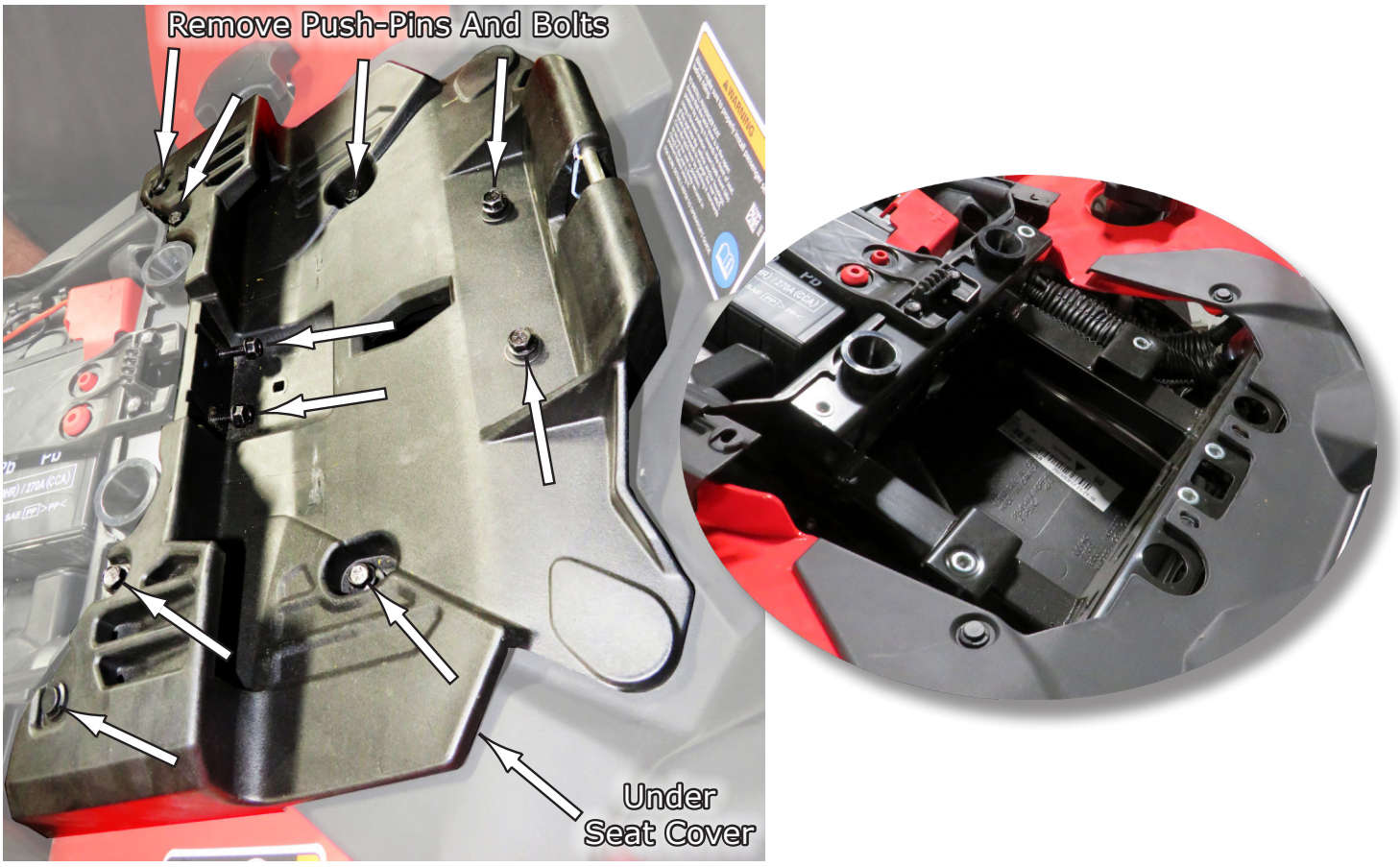



**Fig.9**



©2023 Superatv.com. All Rights Reserved

**11**. After the seat panel is removed, now remove the small front side panel by removing the Push-Pins. Repeat for opposite side. See **Fig.10**.

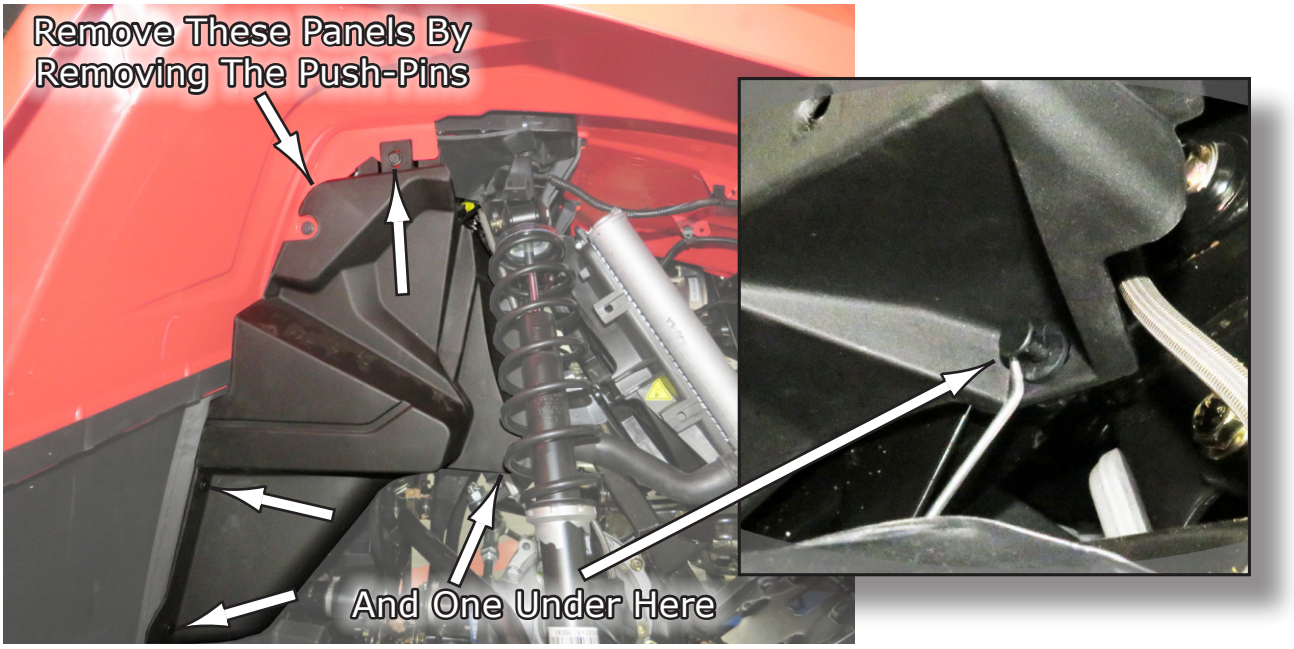



**Fig.10**

**12**. Next you will remove the long side panels from both sides by removing the Push-Pins. One is under the front wheel well kind of hidden. See **Fig.10**.




**Fig.11**



©2023 Superatv.com. All Rights Reserved

**13**. Now we can run the power cables to the battery starting from the front of the vehicle up through the wheel well, along the side and to the battery. **Fig.12-13** shows this cable and where you will first feed it through the wheel well towards the engine.

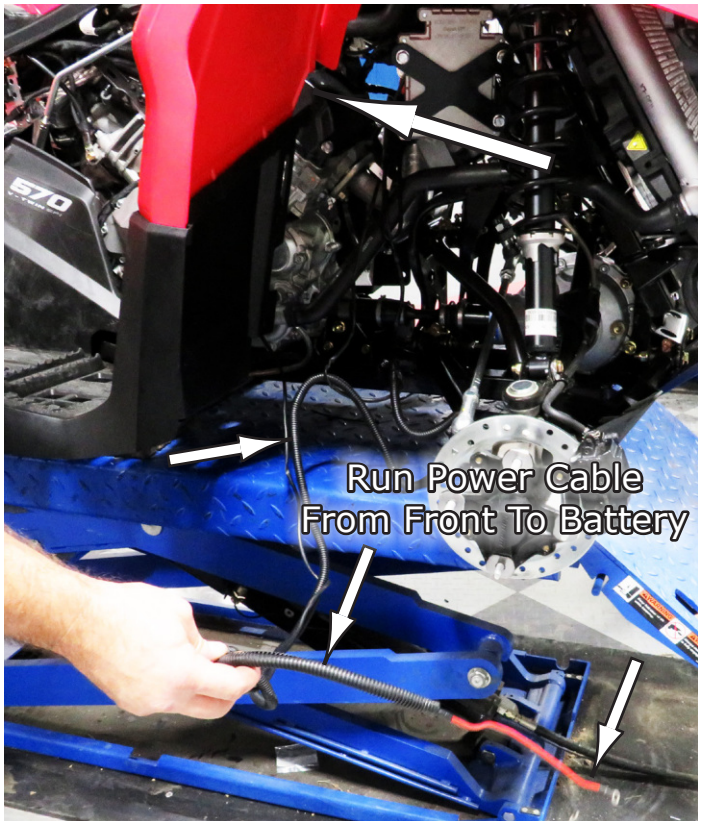



**Fig.12**




**Fig.13**

**14**. Feed the cable on through and run along the side to the battery as shown in **Fig14a**, and then up thru the battery compartment to hook up the power, see **Fig.14b**.

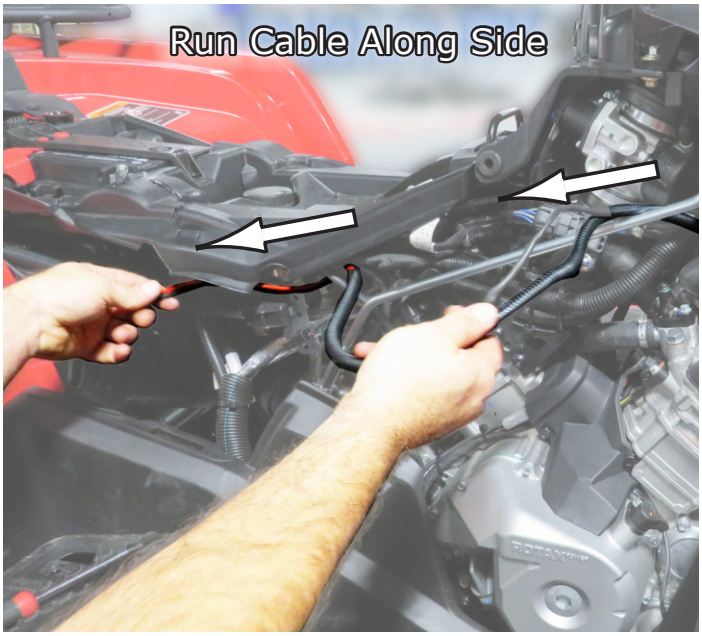



**Fig.14a**




**Fig.14b**



©2023 Superatv.com. All Rights Reserved

**15**. Now hook up the terminals to the battery and secure. See **Fig.15**.




**Fig.15**

**16**. The next thing is to remove the small cover on the side of the engine by removing the two bolts holding it onto the block, as you will be adding a new cable to the existing connector under it. See **Fig.16**.

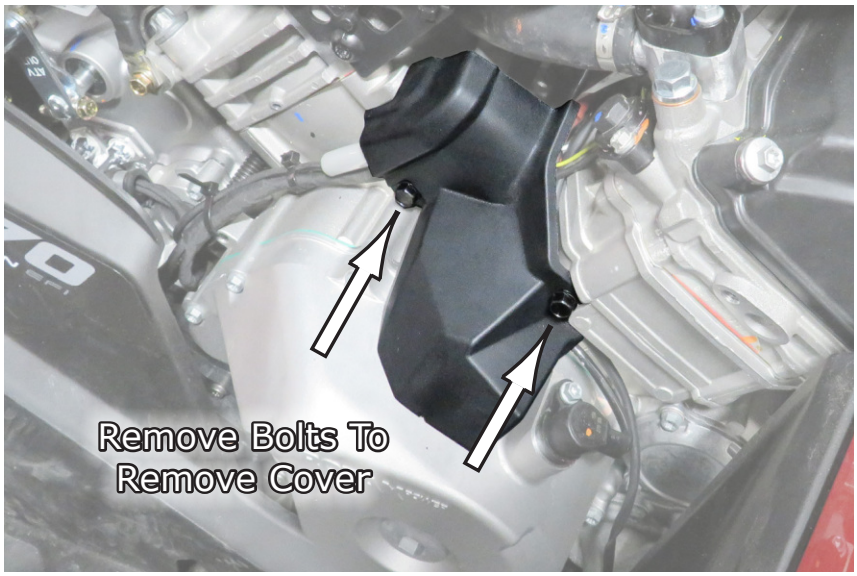



**Fig.16**

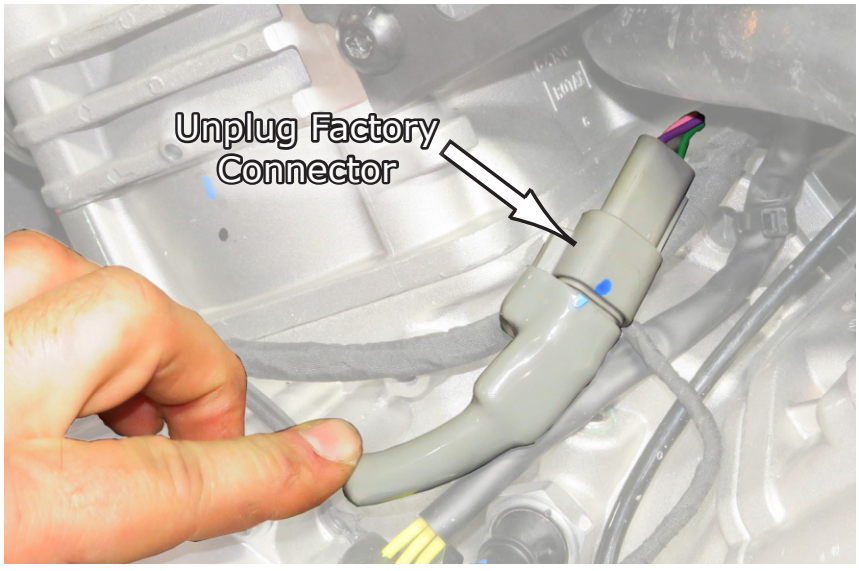



**Fig.17**



©2023 Superatv.com. All Rights Reserved

**18**. Now unplug the connector and find the cable you spliced in the beginning of these instructions, and plug the Male end into the Female end of the factory connector, and the Female end of your spliced cable onto the Male end of the factory connector as shown in **Fig.18**.

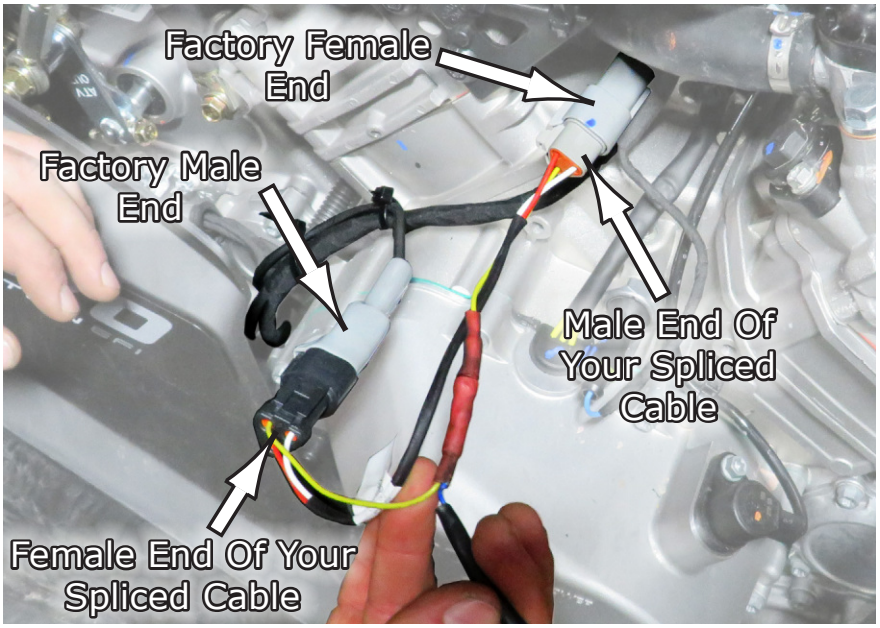



**Fig.18**

**19**. Then take the opposite end of the spliced cable and run it across to the front left side and plug it into the Factory Accessory connector that will be loose in the front area as shown in **Fig.19**.

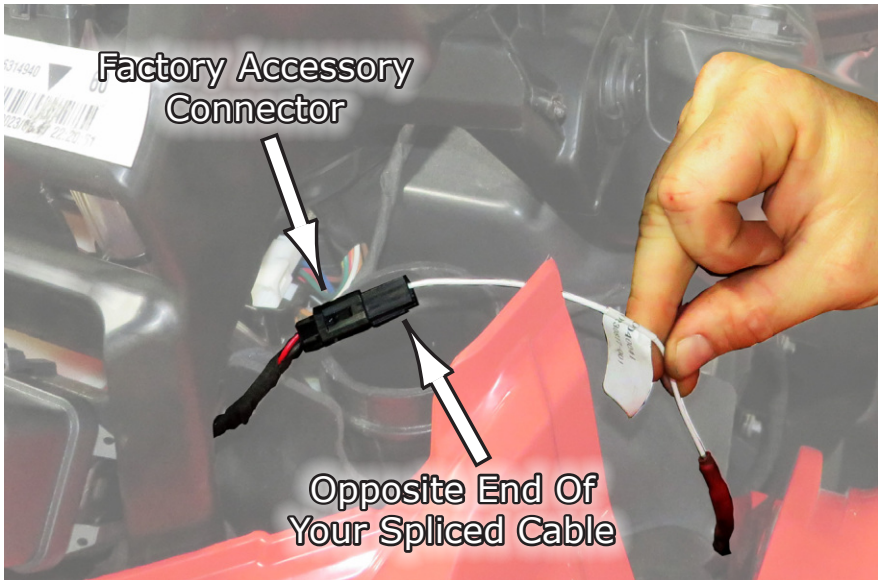



**Fig.19**



©2023 Superatv.com. All Rights Reserved

**20**. Now you need to remove the air tube Duct. Loosen the lower band clamp to remove there and one bolt for the upper contact. See **Fig.20-21**.

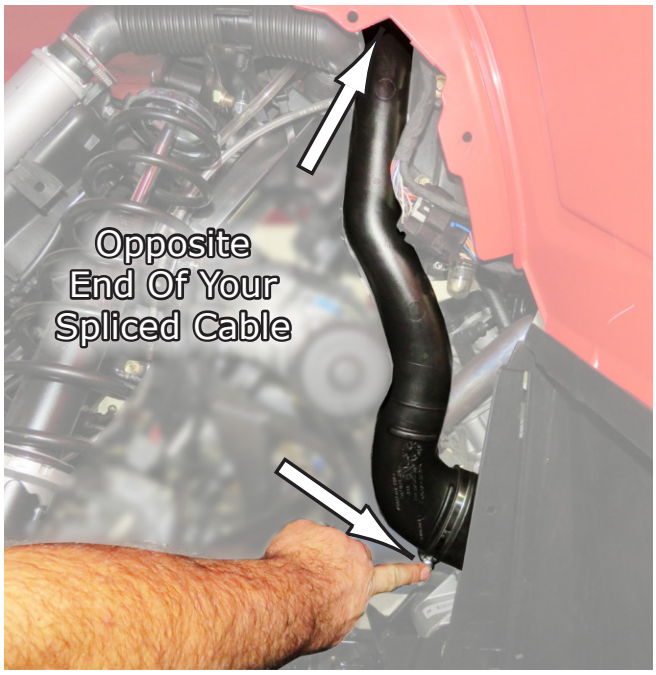



**Fig.20**

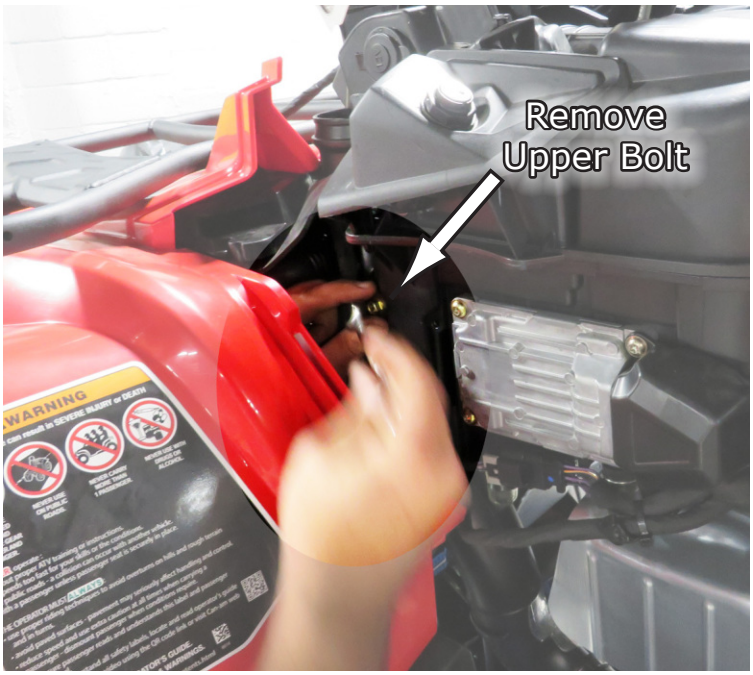



**Fig.21**

**21**. Next, you need to remove the factory ECM by removing the (4) bolts holding it in place. Then disconnect the pigtail to release it from the Center section, as this will need to be lifted up and back out of the way.

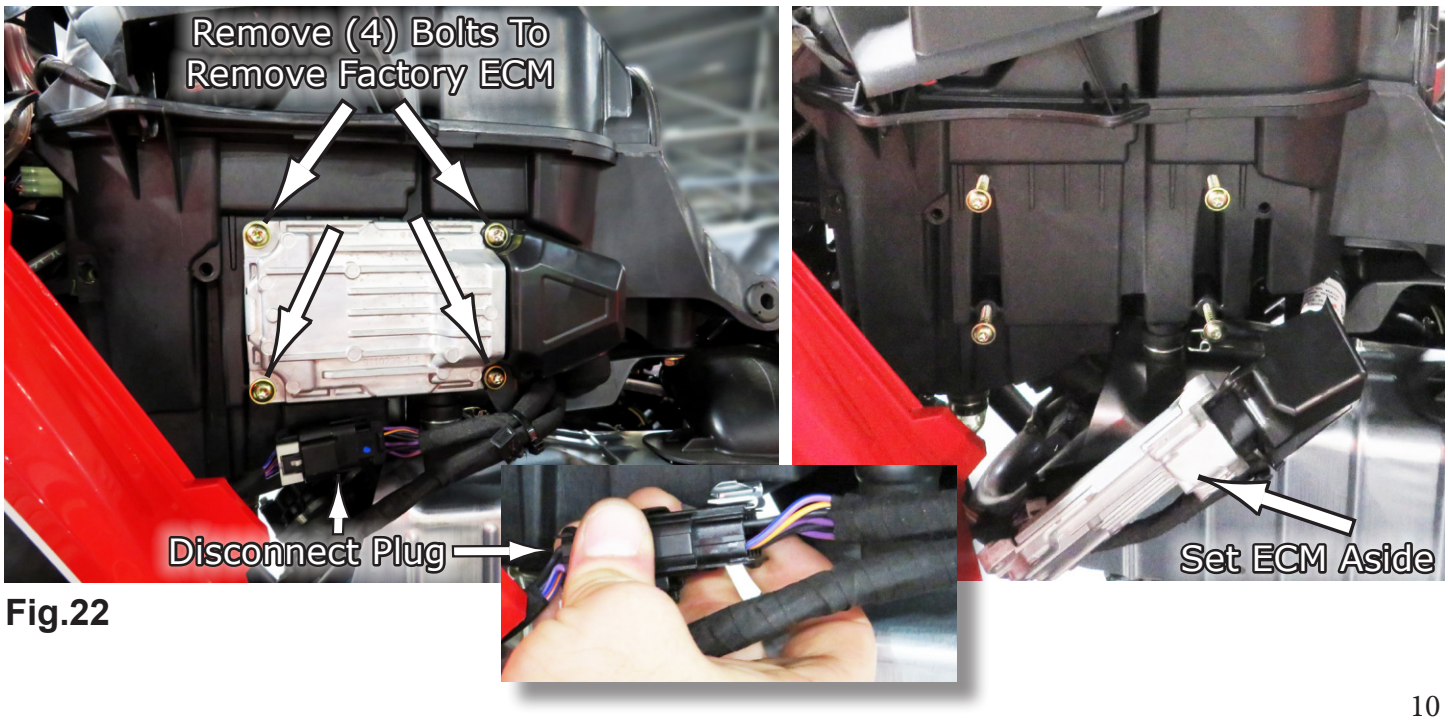



**Fig.22**



©2023 Superatv.com. All Rights Reserved

**22**.Then you will need to release one clip on each side. You will need Needle Nose Pliers to squeeze them together to pop them up and out. See Fig.**23-24**.




**Fig.23**

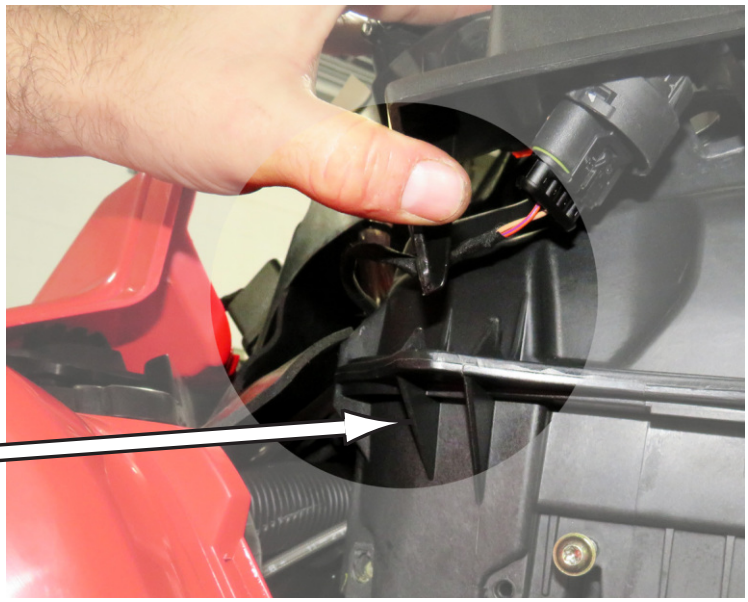


**Fig.24**

**23**.Now remove the small bolt near the top of the exhaust from the Driver's side as shown in **Fig.25-26**.

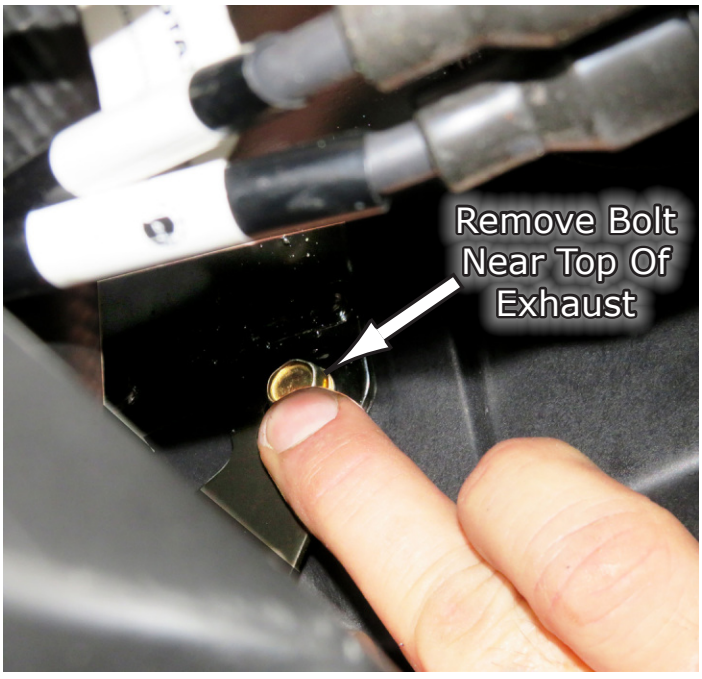



**Fig.25**

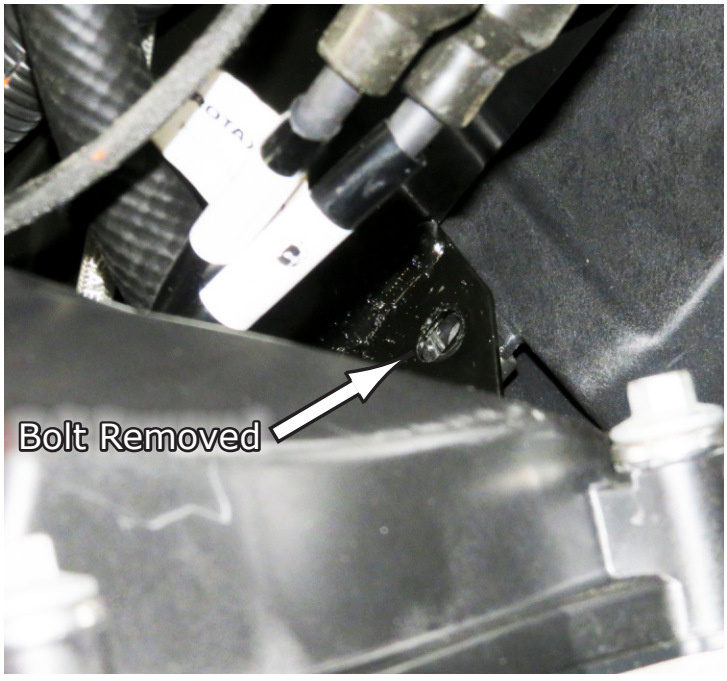



**Fig.26**


©2023 Superatv.com. All Rights Reserved

**23**. From the Passenger's Side, you will now need to remove the bolt and nut holding on the hose clamp as shown in **Fig.27**.




**Fig.27**

**24**.Now you need to remove the three bolts from the Shift Linkage as shown in **Fig.28**, and just leave it hooked up, but lay it aside as shown in **Fig.29**.

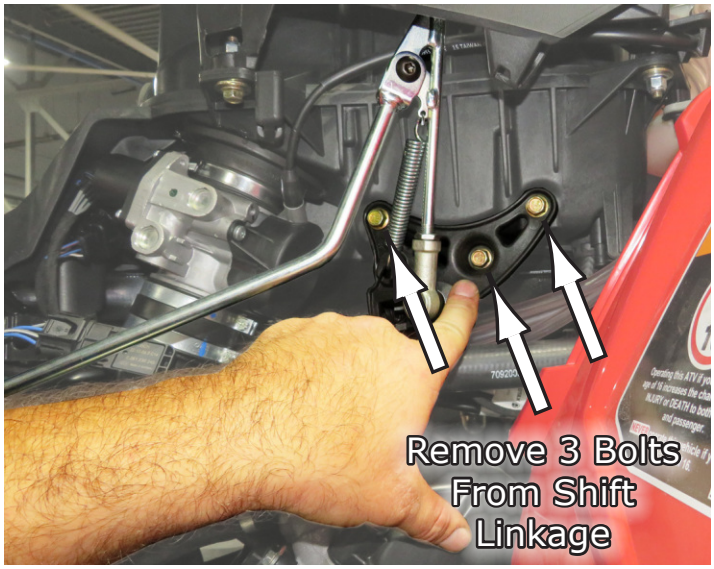



**Fig.28**




**Fig.29**

**25**.After the linkage is released, now you need to remove the bolts to the linkage cover and shifter. **Fig.30** shows these two bolts that need to be removed.

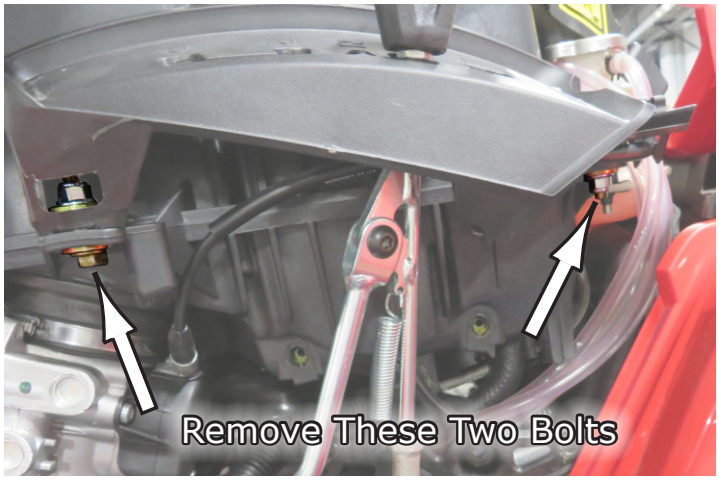



**Fig.30**



©2023 Superatv.com. All Rights Reserved

**26**. After removing the two bolts that hold the shift assy to the machine, just pull it away as it is and lay it aside as shown in **Fig.31a-b**.




**Fig.31a**

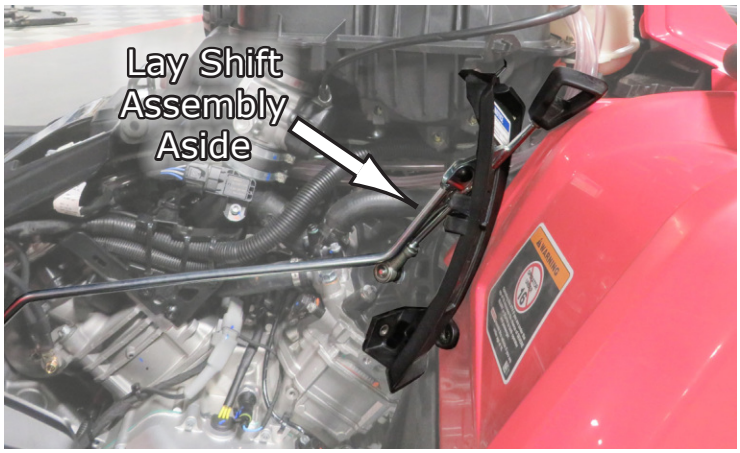



**Fig.31b**

**27**. The next thing you need to do is loosen the band clamp (that holds the hose on) with a straight screw driver or socket as shown in **Fig.32**. Then separate the hose from the unit.

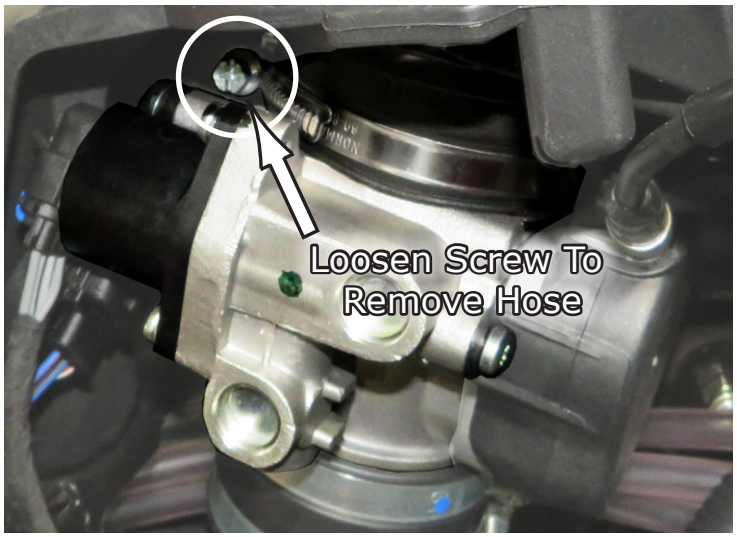



**Fig.32**

**28**. Now remove the (T20) Torx screw holding the air outlet. It is located in front of the handle bars as shown in **Fig.33a and 33b**.




**Fig.33a**

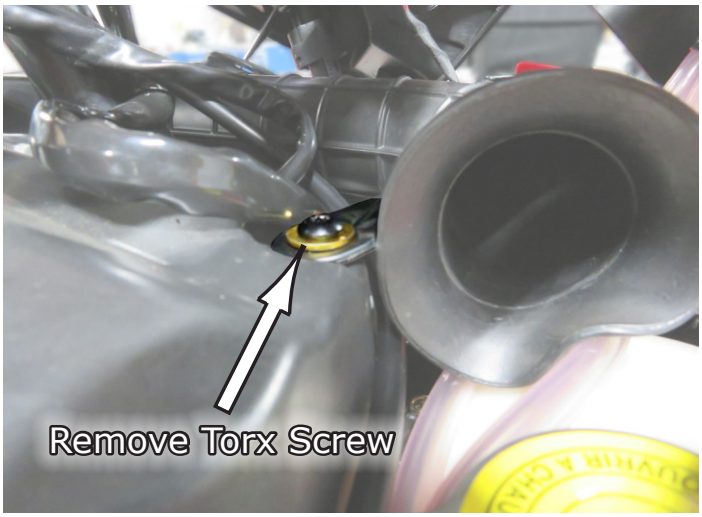



**Fig.33b**



©2023 Superatv.com. All Rights Reserved

**29**. Next and right below where you removed the Torx screw, you will need to remove the bolt by the overfill tank. See **Fig.34**.

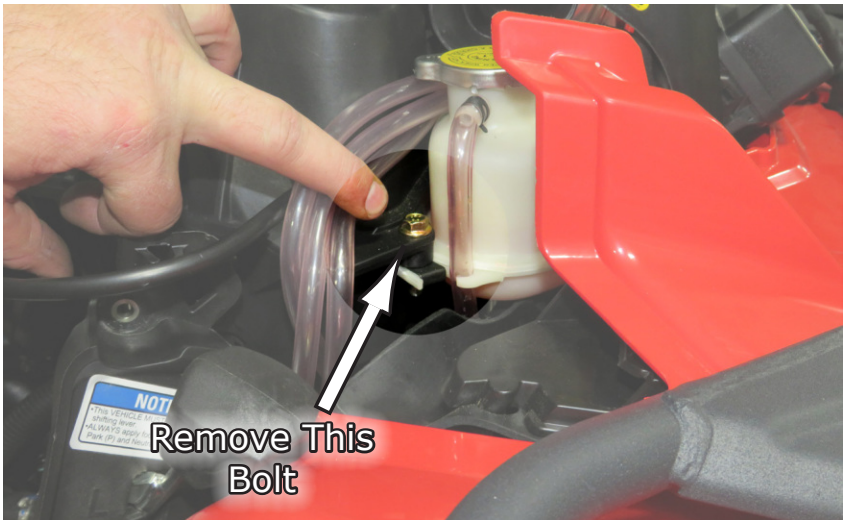



**Fig.34**

**30** . Now remove the bolt from the air box that is down in front of the handle bars. You will need an extension and rachet to reach this one as shown in **Fig.35a-35b**.

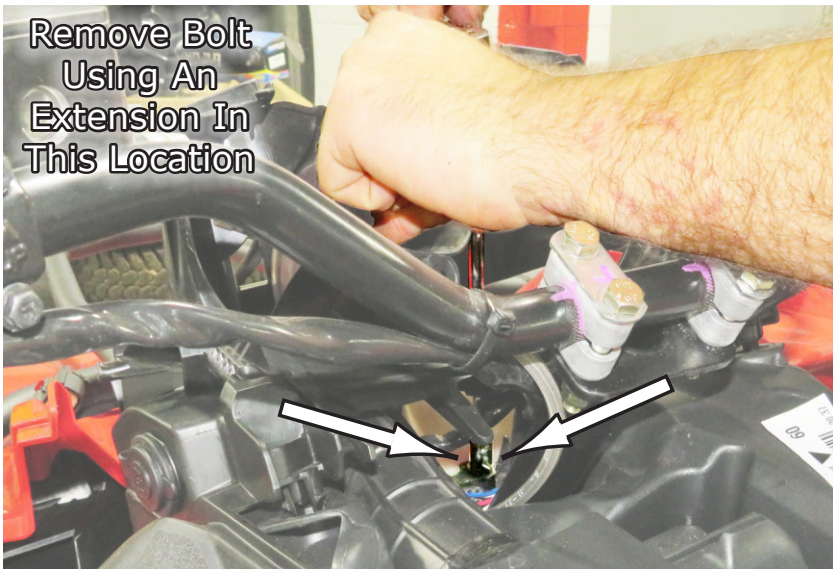



**Fig.35a**

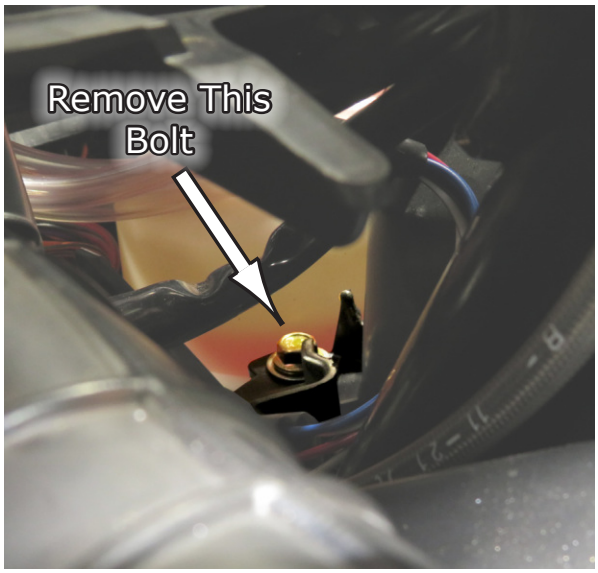



**Fig.35b**

**31.** Next, move the front of the seat area. You will need to remove the two Nuts holding down the center section cover. See **Fig.36a**. **Fig.36b** shows the nuts removed.

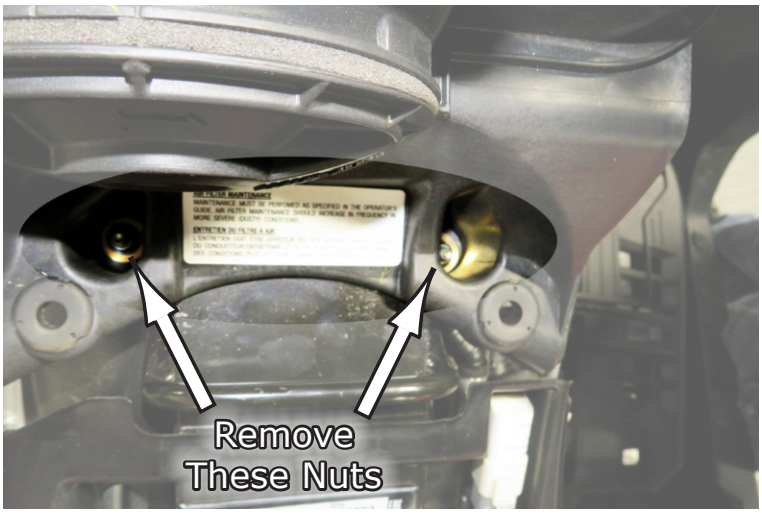



**Fig.36a**

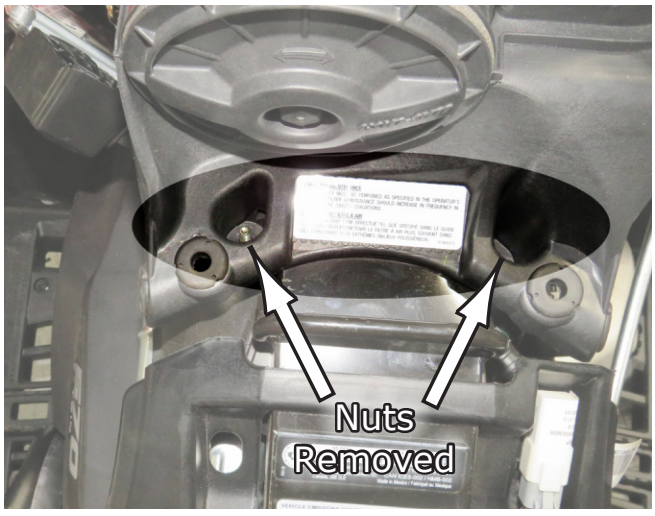



**Fig.36b**



©2023 Superatv.com. All Rights Reserved

**32.** After the nuts are removed, you can now lift up and pull back the center cover out of the way of the handle bars area, and just let it sit there for now. See **Fig.37a** and **Fig.37b**.




**Fig.37a**




**Fig.37b**

**33**. Now you'll need to remove a few things to gain access to the steering rods etc. First you need to remove the handle bar cap that holds them on so you can lift the bars out and pull them back out of the way a little. **Fig.38** shows removing the cap.

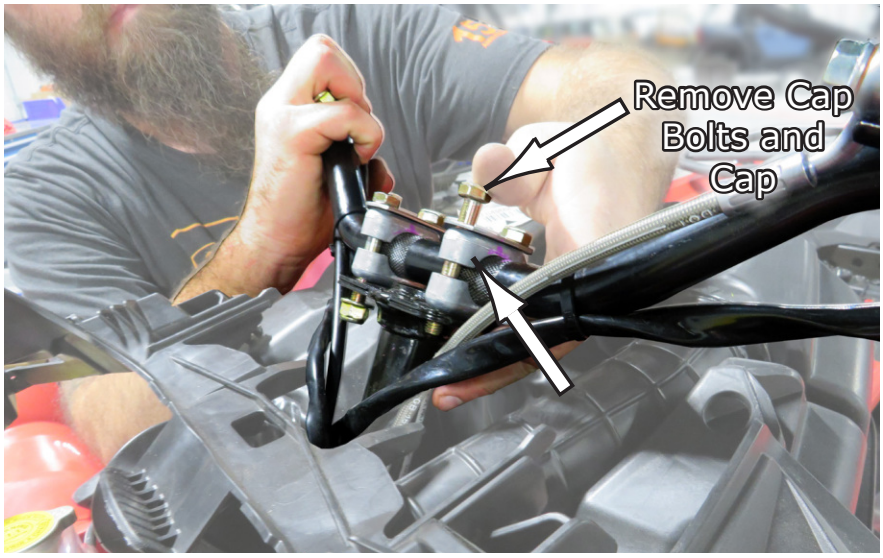



**Fig.38**



©2023 Superatv.com. All Rights Reserved

**34**. Then pull handlebars back out of the way a little as shown in **Fig.39**. Then, focus on the area down in front as shown in **Fig.40** as you will be removing some items.




**Fig.39**




**Fig.40**

**35**. Now remove the bolts holding the Rod retainer bracket on as shown in **Fig.41-42**, one on each side of it. Then remove the cap as shown in **Fig.43**. This will get you ready to remove the steering rod in the steps ahead.

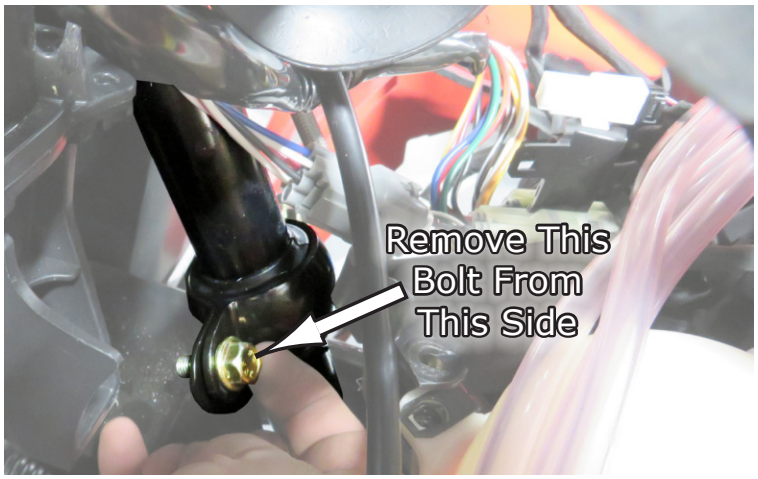



**Fig.41**

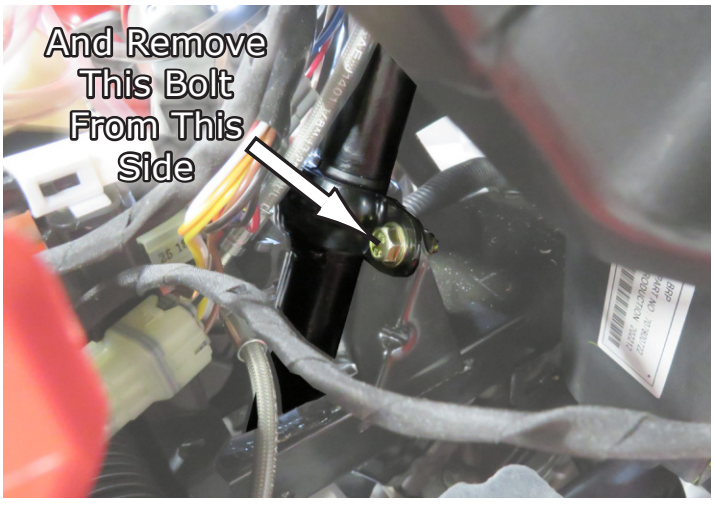



**Fig.42**

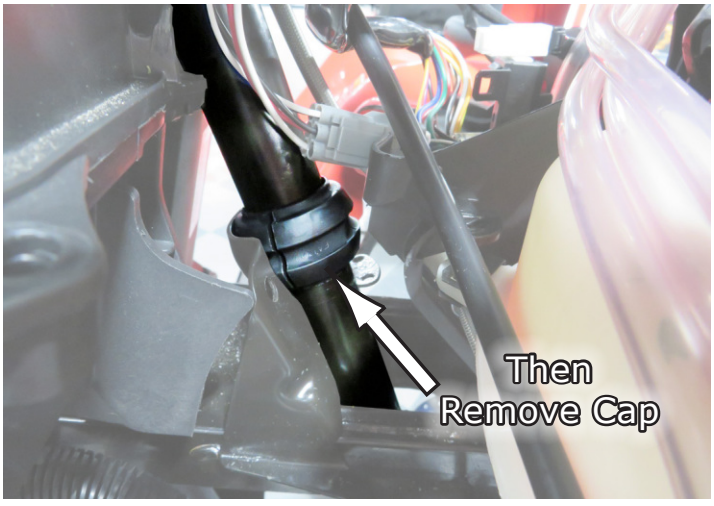



**Fig.43**



©2023 Superatv.com. All Rights Reserved

**36**. Next you'll need to remove the Tie Rods from the steering bracket. Remove by removing the cotter pins and nuts holding them to the bracket as shown in **Fig.44**. Keep all hardware as you will be reusing.

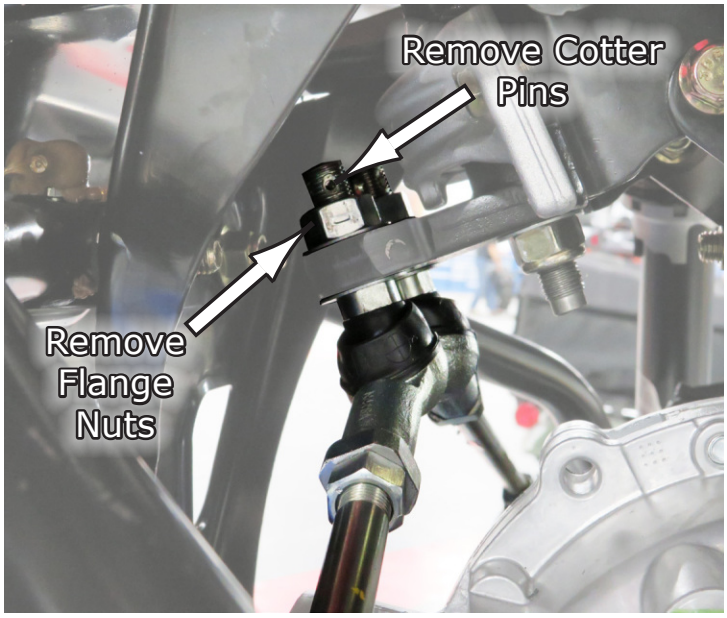



**Fig.44**

**37**. Then remove the Tie Rods from the bracket as shown in **Fig45**.

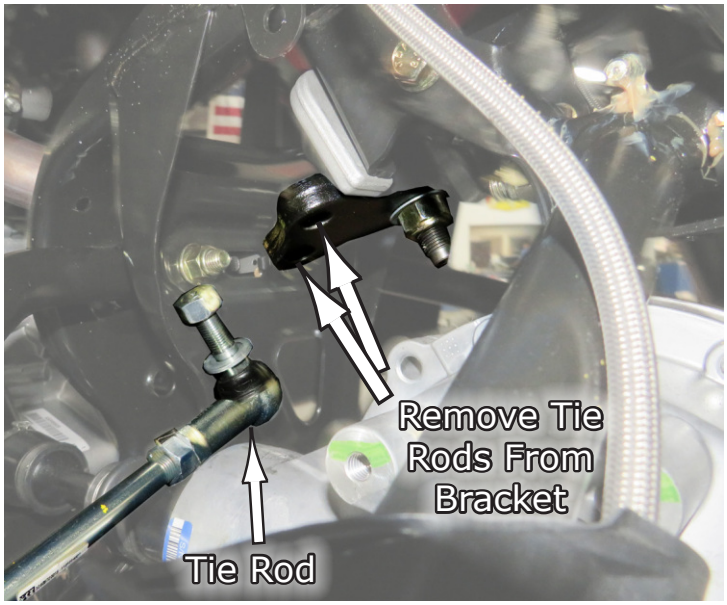



**Fig.45**

**38**.Now remove the cotter pin and flanged nut holding the bracket to the machine, and slide the bracket off as shown in **Fig.46-47**.




**Fig.46**




**Fig.47**



©2023 Superatv.com. All Rights Reserved

**39**.Next, remove the bolts holding on the silver cap by removing the bolts, one each side as shown in **Fig.48**. Then remove the cap and also remove the plastic grommet from the spindle as shown in **Fig.49**.

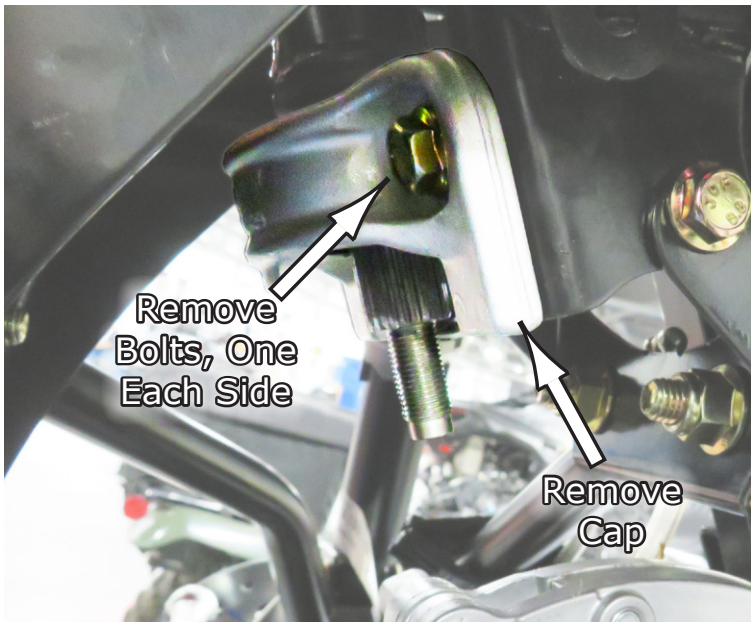



**Fig.48**

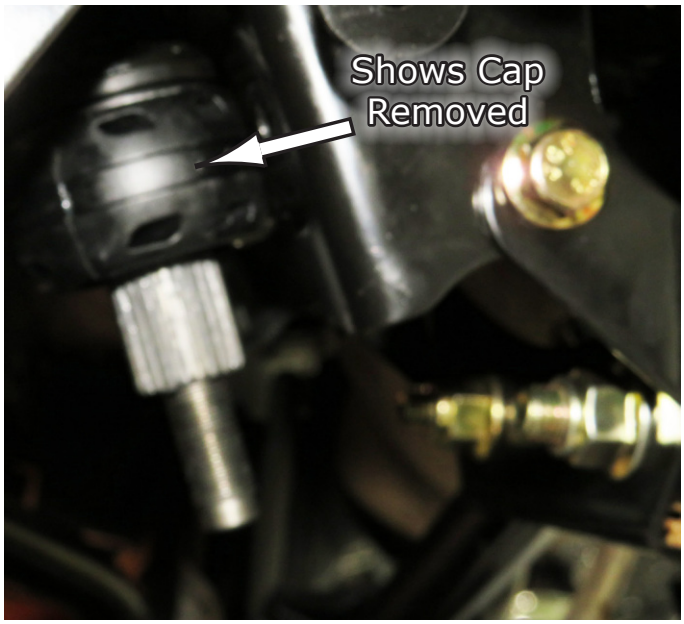



**Fig.49**

**40**. After the previous is removed, now go back up top and pull the factory steering rod out from the top as shown in **Fig.50**. Then you need to remove the plastic grommet from the end of the rod as shown in **Fig.51**.




**Fig.50**




**Fig.51**



©2023 Superatv.com. All Rights Reserved

**41**. Now find the Lower Steering Shaft from your new kit and install the Grommet onto it as shown in **Fig.52**.




**Fig.52**

**42**. After the grommet is installed on the Lower Rod from your kit, now you can mount it back in place where you had previously removed the silver cap attaching the lower part of the factory rod back in **Fig.30**. You will install the cap over the rod and grommet and secure it to the frame using the same factory bolts you removed previously. See **Fig.53-54**.

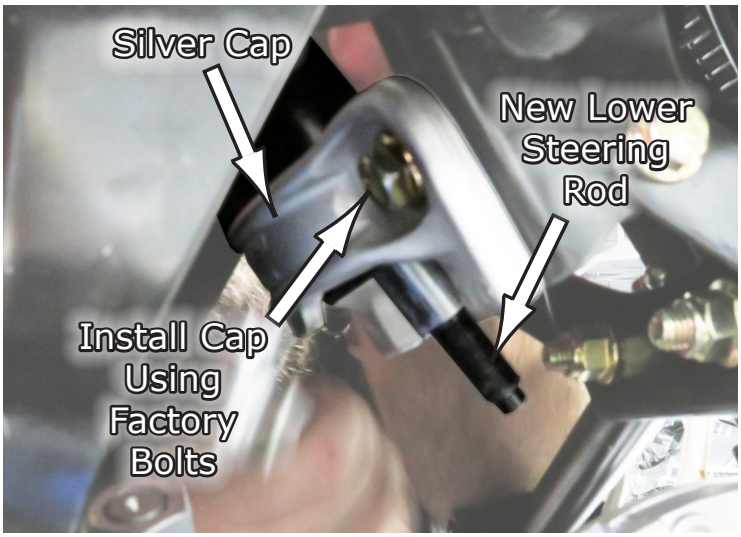



**Fig.53**




**Fig.54**



©2023 Superatv.com. All Rights Reserved

**43**. Now find the new Tie Rod Bracket from your kit and slide it onto the Lower Steering Rod and attach it by using the **M12 Nylock Nut (item-G)** and **Cotter Pin (item-K)** provided in your kit. Install the bracket and tighten the Nylock nut secure, and then install the Cotter Pin to keep it from coming out. See **Fig.55-56**.




**Fig.55**

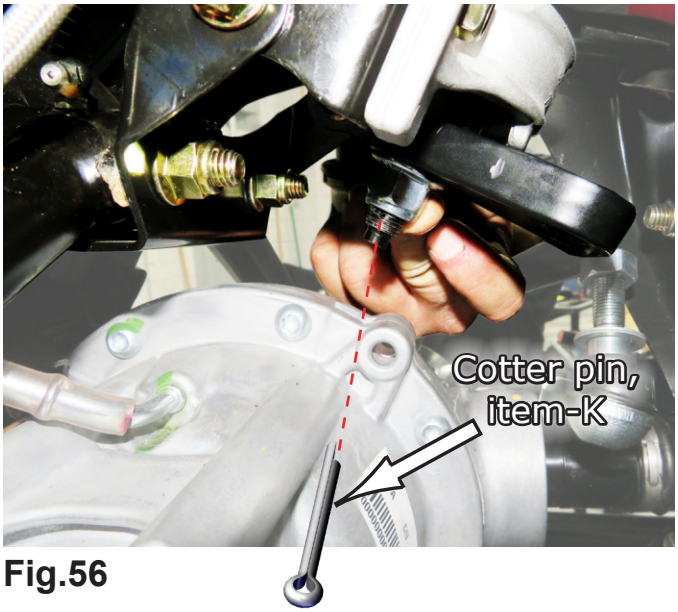



**Fig.56**

**44**. Once the Tie Rod Bracket or Plate is installed, you will need to locate the "**Bracket-1 and Bracket-2**" identified on the first page of these instructions. You will mount the **Bracket-1** to the existing frame using two **M10x25 Hex bolts,(item-C)** and **M10 Nylock Nuts,(item-H)** on the Driver's side **ONLY**.(Keep loose until the other side is attached) Then you will mount the Passenger's Side of that bracket along with **Bracket-2**, also on the Passenger's Side, stacked together, using two **M10x30 Hex Bolts,(item-D)** and **M10 Nylock Nuts,(item-H)**. See **Fig.57-58**.

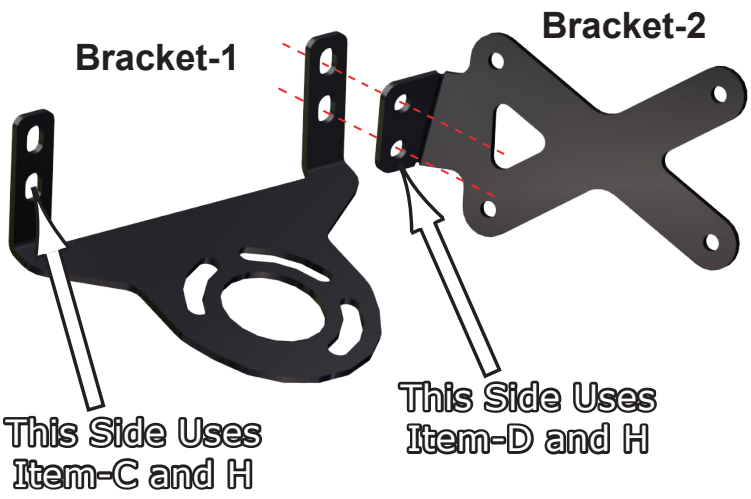



**Fig.57**

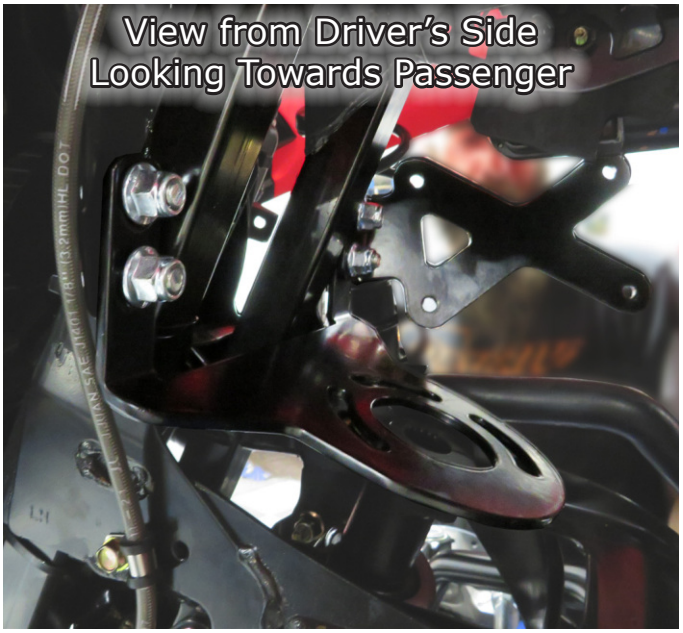



**Fig.58**



©2023 Superatv.com. All Rights Reserved

**45**. Now you can hook up the Tie Rods to the Tie Rod Plate using your factory hardware that you removed previously. Be sure to secure both with Cotter Pins. See **Fig.59-60**.

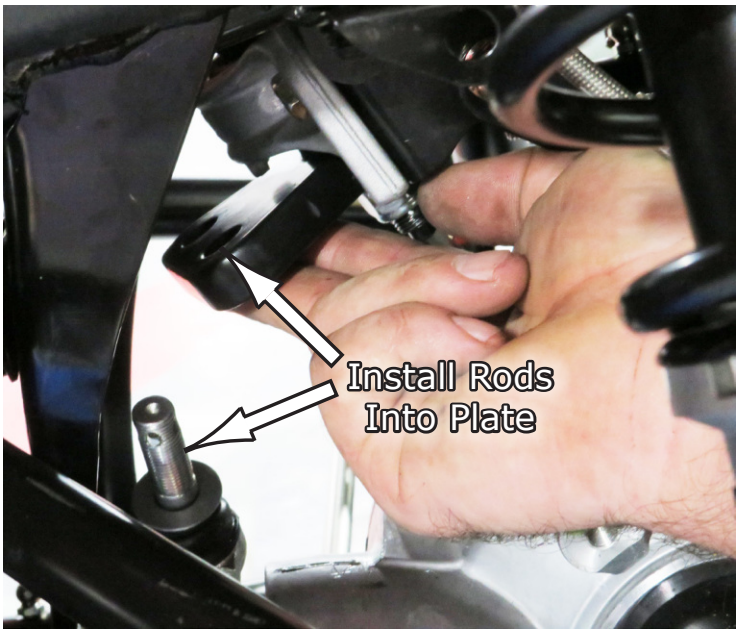



**Fig.59**

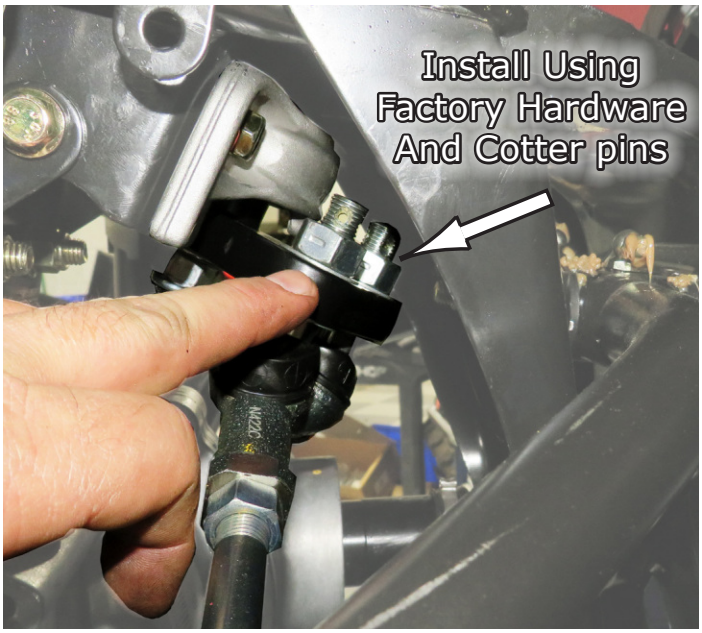



**Fig.60**

**46**. After the Tie Rods are installed into the plate, now you will need to install the Power Steering Motor. First you insert the motor shaft thru the bracket and into the spline as shown in **Fig.61-62**.

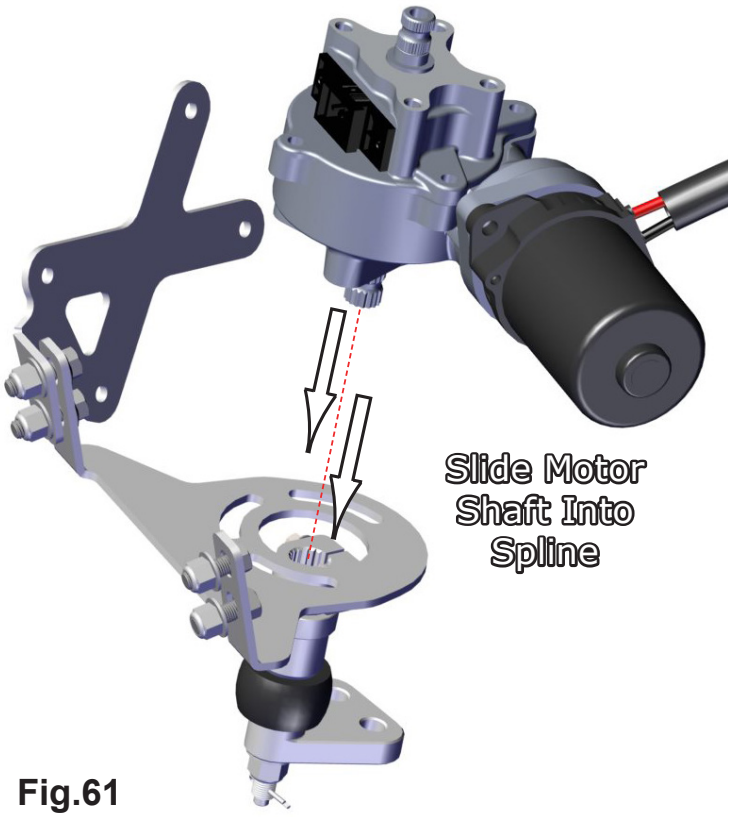



**Fig.61**

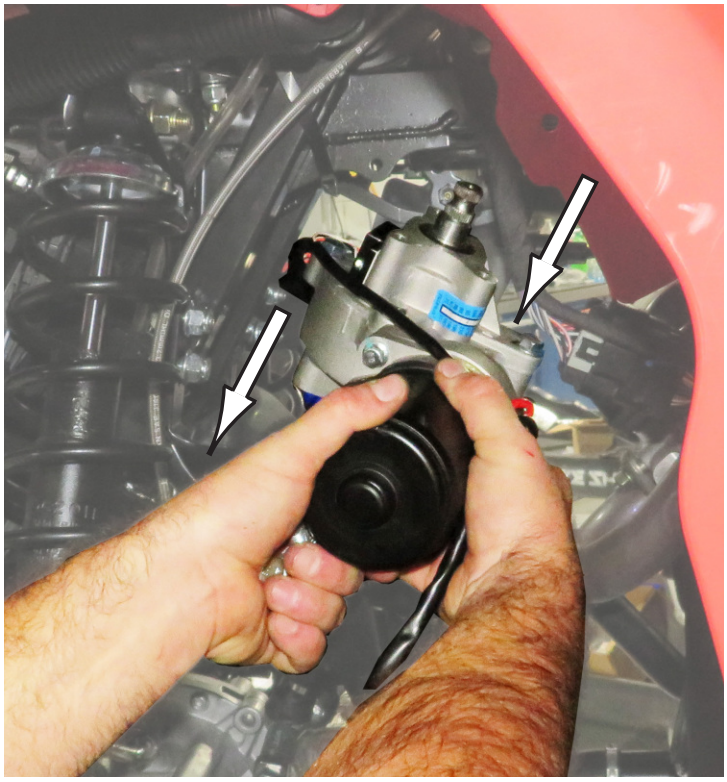


**Fig.62**



©2023 Superatv.com. All Rights Reserved

**47**. Once the motor is placed into the spline, you will need to bolt it to the Bracket-1 using (3) **M10x20** Hex Bolts. Then install the pinch bolt using the same **M10x20** Hex Bolt. See **Fig.63**.

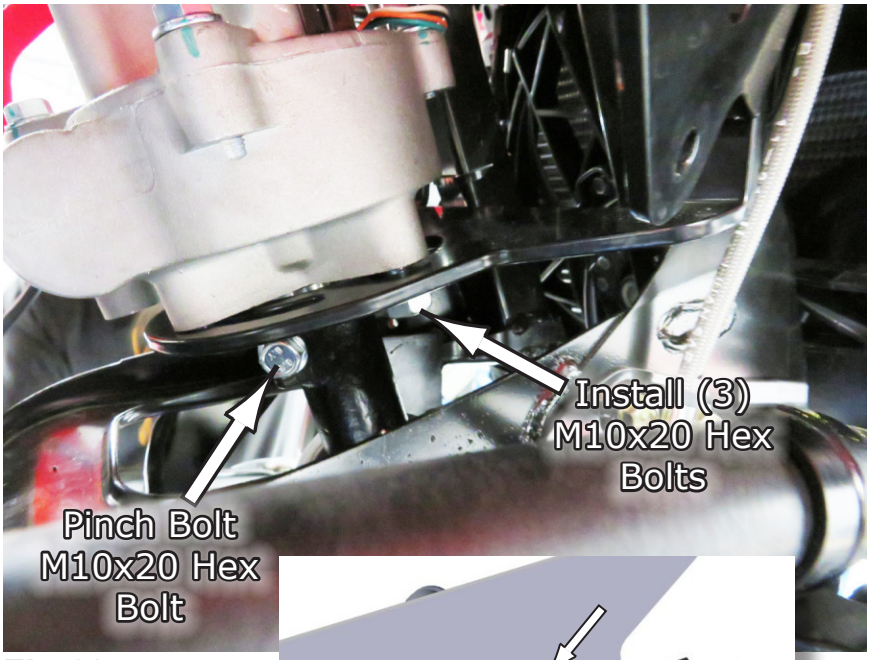
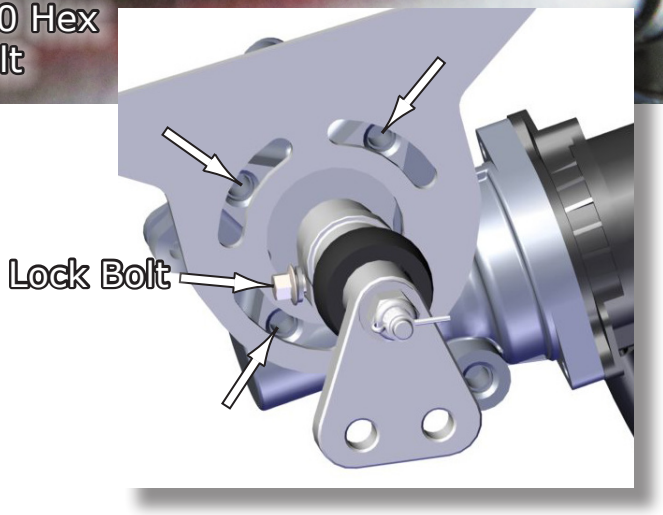



**Fig.63**




**48**. After all 3 mounting bolts and the Pinch bolt is installed, next find the Heat Shield from your kit. You will install it on top of the power Steering Motor you just mounted using (2) **M8x20** Hex Bolts also provided in your kit.
See **Fig.64-65**.

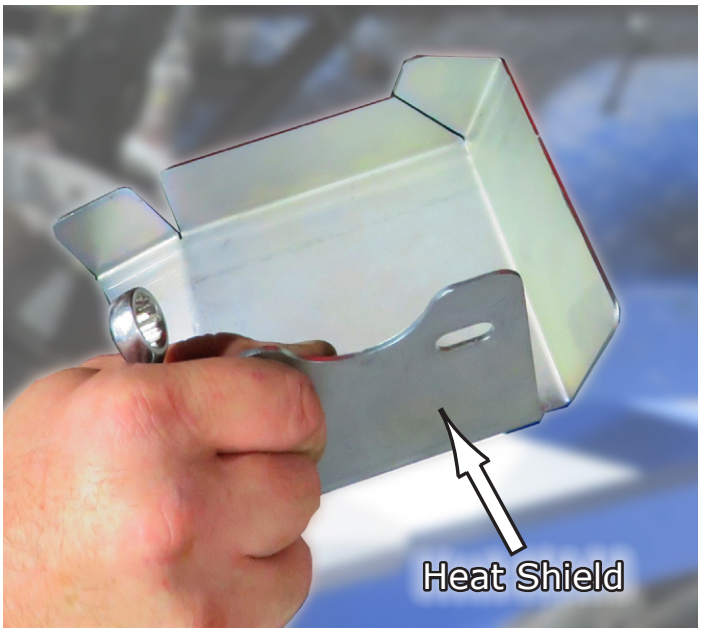



**Fig.64**

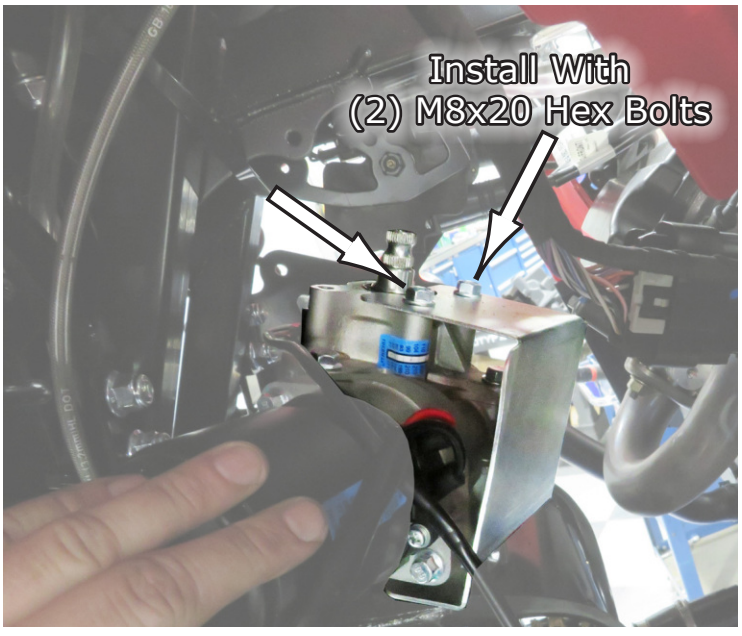



**Fig.65**



©2023 Superatv.com. All Rights Reserved

**49**. Now Find the **Upper Steering Shaft** from your kit and place the plastic grommet from your factory steering rod on to the new Upper Shaft and shown in **Fig.66**.




**Fig.66**

**50**. Then slide the Upper Shaft onto the motor spline as shown in **Fig.67-68**.




**Fig.67**

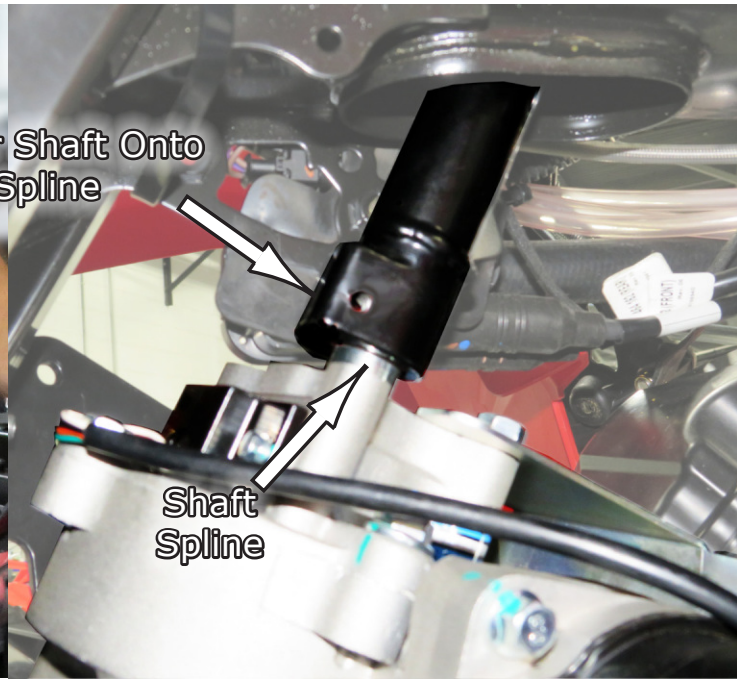



**Fig.68**

**51**. Then install the **M8x40 Pinch Bolt (item F)** to the upper shaft connection and secure. See **Fig.69**.

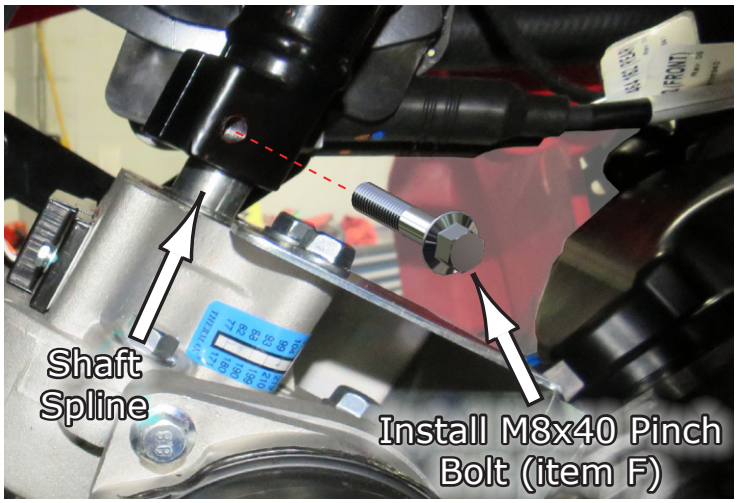



**Fig.69**



©2023 Superatv.com. All Rights Reserved

**52**.Now replace the retainer bracket using the two factory bolts you removed back in step 35 previously, and secure. See **Fig.70**.

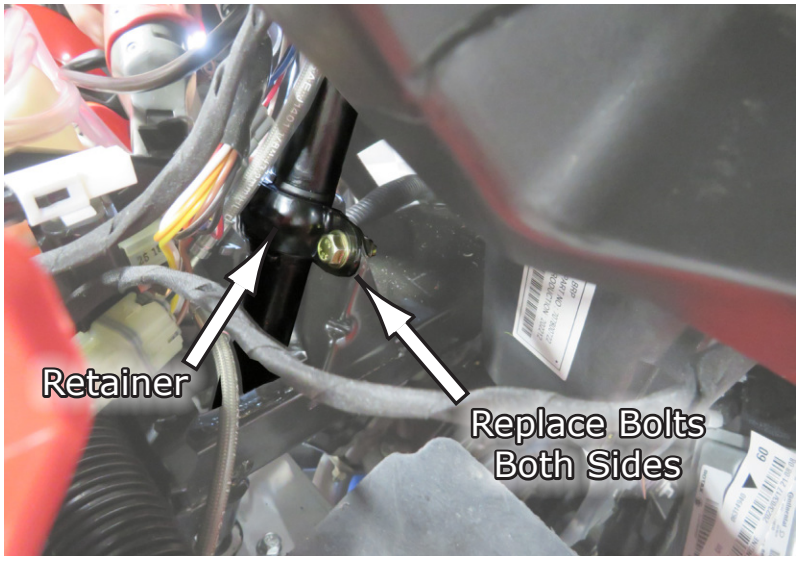



**Fig.70**

**53**.Next, find the ECU that came with your kit and plug in the factory harness connectors into the sockets shown in **Fig.71**.

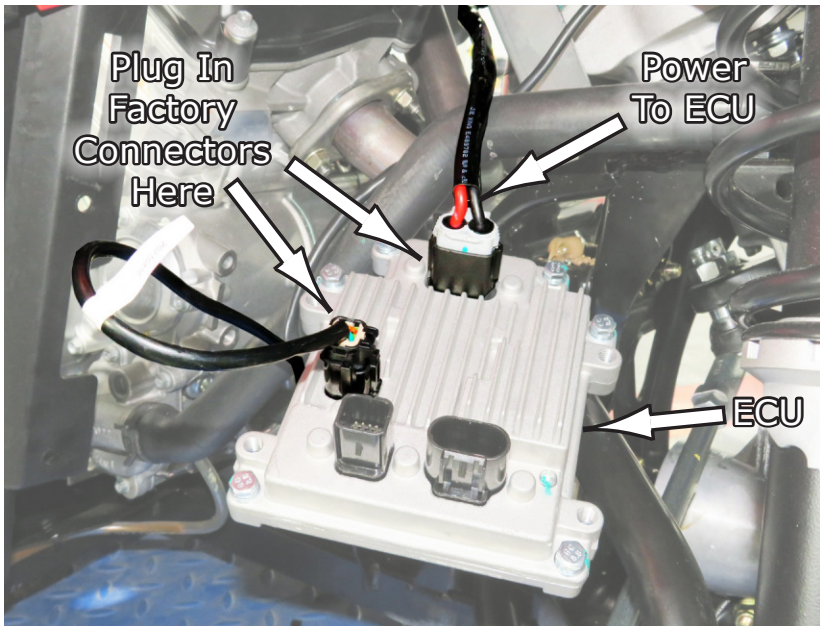



**Fig.71**

**54** .Then plug In the two connectors from your New Harness attached to the Indicator LED. shown in **Fig.72**.

**55** .Now mount the ECU using (4) of the **M8x20** Hex Flanged Bolts (**Item "A"** in your kit) to the ECU Bracket-2 and secure to the bracket. See **Fig.73**.

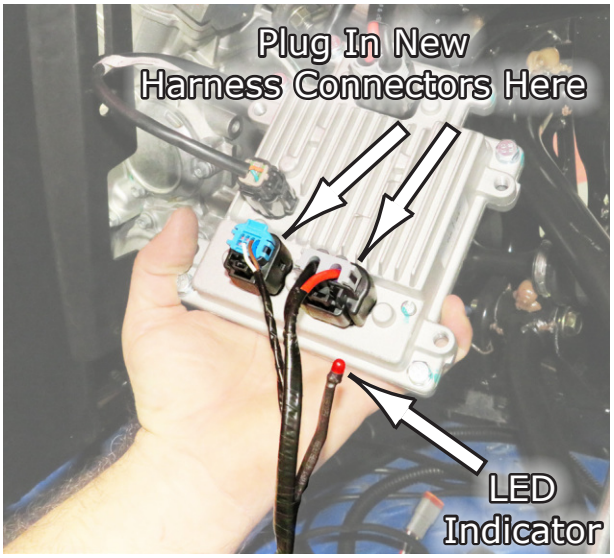



**Fig.72**




**Fig.73**



©2023 Superatv.com. All Rights Reserved

**After the ECU is mounted, then reverse the procedures to replace the center cover and all bolts that you had to remove previously as well as the body panels, seat, handle bars etc.**

**You may want to test the unit to see if it is functioning properly before replacing all body panels etc., in case of any adjustments that may need to be made.**

**CAUTION: Be sure vehicle is in safe operating condition before testing it out!**

**Liability Statement**

SuperATV's® products are designed to best fit user's ATV/UTV under stock conditions. Adding, modifying, or fabricating any factory or aftermarket parts will void any warranty provided by SuperATV® and is not recommended. SuperATV's® products could interfere with other aftermarket accessories. If user has aftermarket products on machine, contact SuperATV® to verify that they will work together.

Although SuperATV® has thousands of satisfied customers, user should be aware that installing lift kits, long travel, or suspension kits, tires, etc. will change the ride of machine and may increase maintenance and part wear. Operating any off-road machine while, or after, consuming alcohol and/or drugs increases risk of bodily harm or death. No warranty or representation is made as to this product's ability to protect user from severe injury or death. SuperATV® urges operators and occupants to wear a helmet and appropriate riding gear at all times.

By purchasing and installing SuperATV® products, user agrees that should damages occur, SuperATV® will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. SuperATV®, nor any 3rd party, will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from SuperATV®. The total liability of seller to user for all damages, losses, and causes of action, if any, shall not exceed the total purchase price paid for the product that gave rise to the claim.

SuperATV® will warranty only parts provided by SuperATV®. Any damage or problems with OEM housings, bearings, seals, or other manufacturers' products will not be covered by SuperATV®. SuperATV® parts and products are not warrantied if item was not installed properly, misused, or modified.

Installing, adding, modifying, or fabricating any factory or aftermarket product to your ATV/UTV may violate certain local, state, and federal laws. Be advised that laws vary depending on town, city, county, state, etc. Use of certain products on public streets, roads, or highways may be in violation law. The Buyer is solely and exclusively legally and personally responsible for any violation of the law by the installation or use of the product. You must abide by all local, state, and federal laws, including but not limited to vehicle safety, traffic laws, and ordinances. It is your responsibility to know the laws and how they apply to you.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold SuperATV® harmless from any damage resulting from failure to adhere to such specifications, warnings and/ or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws and ordinances when operating his/her vehicle while using this product, and the Buyer agrees to hold SuperATV® harmless from any violation thereof.

If you have any problems/questions on this kit, contact us by email at Superatv.com.

***Need help with your installation?***

sales@superatv.com

www.superatv.com

1-855-743-3427

8:00am - 9:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

*Thank You For Choosing*

**Like SuperATV on Facebook to keep up to date on new products!**

©2023 Superatv.com. All Rights Reserved