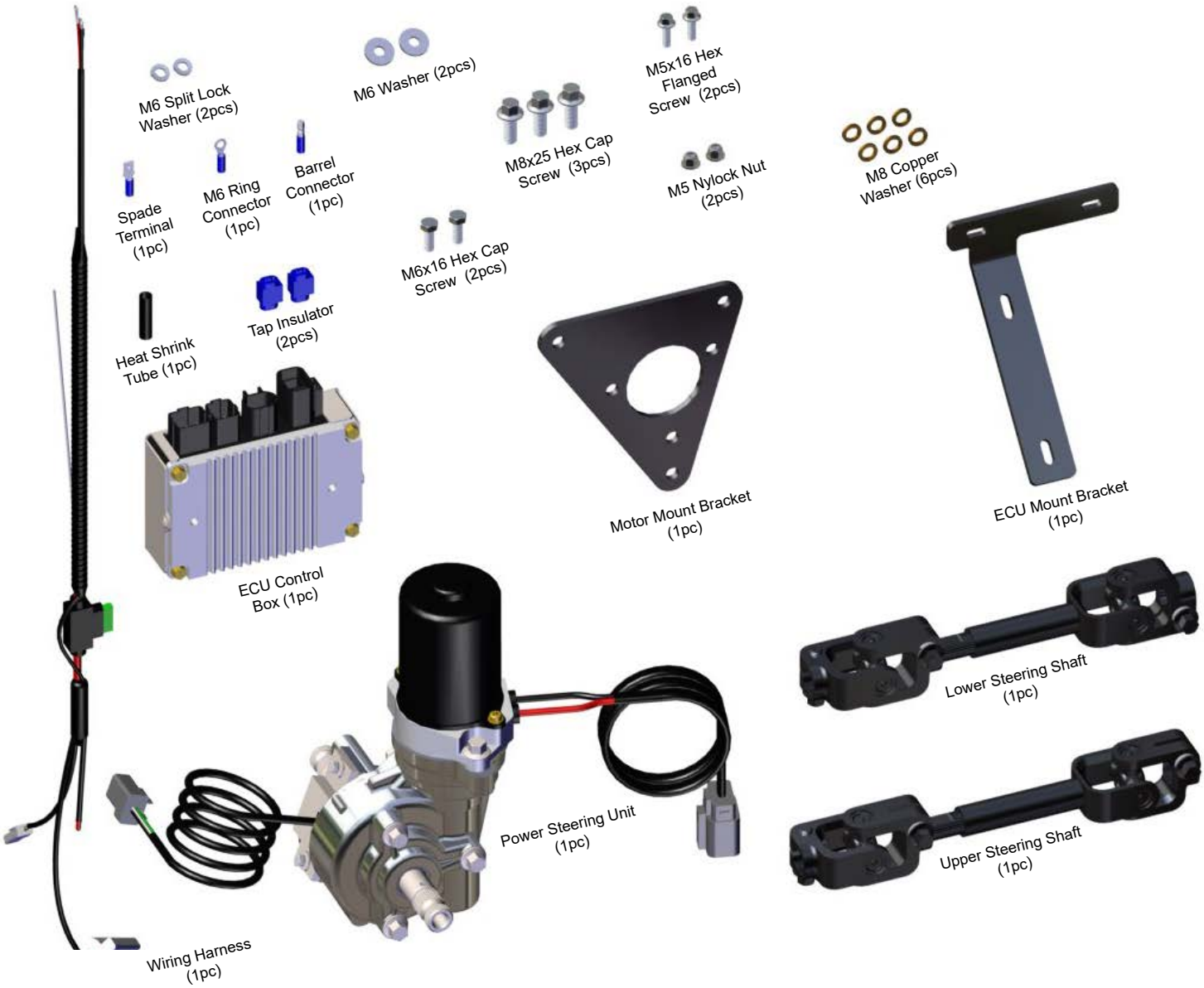
2753 Michigan Road · Madison, Indiana 47250
855-743-3427

INSTALLATION INSTRUCTIONS

Power Steering Kit: PS-H-PIO700-001



What You'll Be Doing

- Remove the Hood To Access The Steering
- Disassemble Guage Cluster and Dash Panel
- Remove Key Switch
- Remove Factory Steering Rod
- Install Both Upper & Lower Steering Shafts
- Install ECU Bracket to ECU
- Mount ECU to vehicle & Pug In Connectors
- Route Harness to Battery
- Hook up Red & Black Wires To Battery

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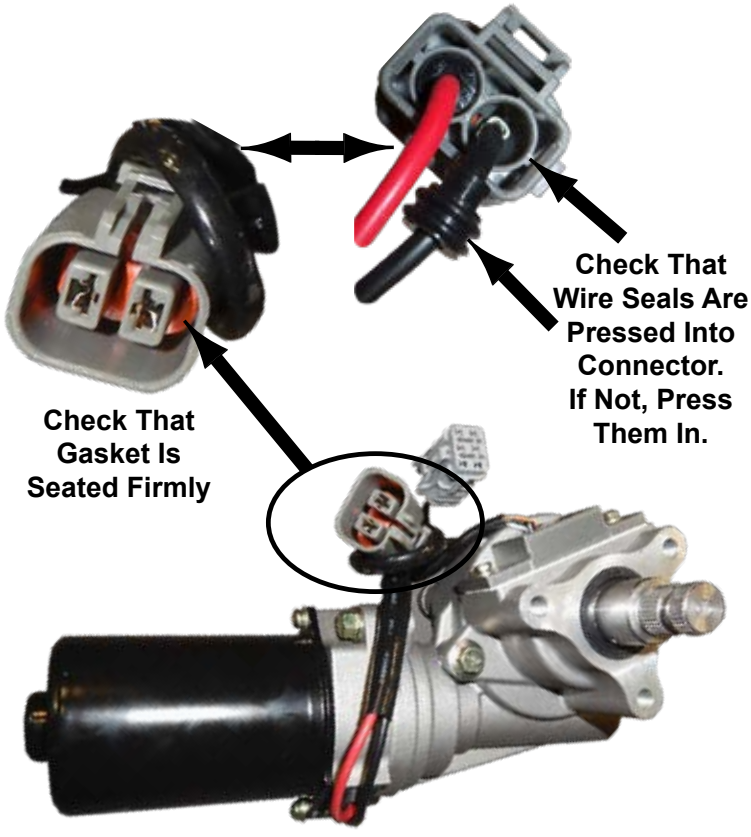
· Installation Pre-Check ·

- Before installing, ensure that all Gaskets in electrical connections are properly seated.
- If Gaskets are not seated use a Flathead Screwdriver to seat them.









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Secure LED in a visible location

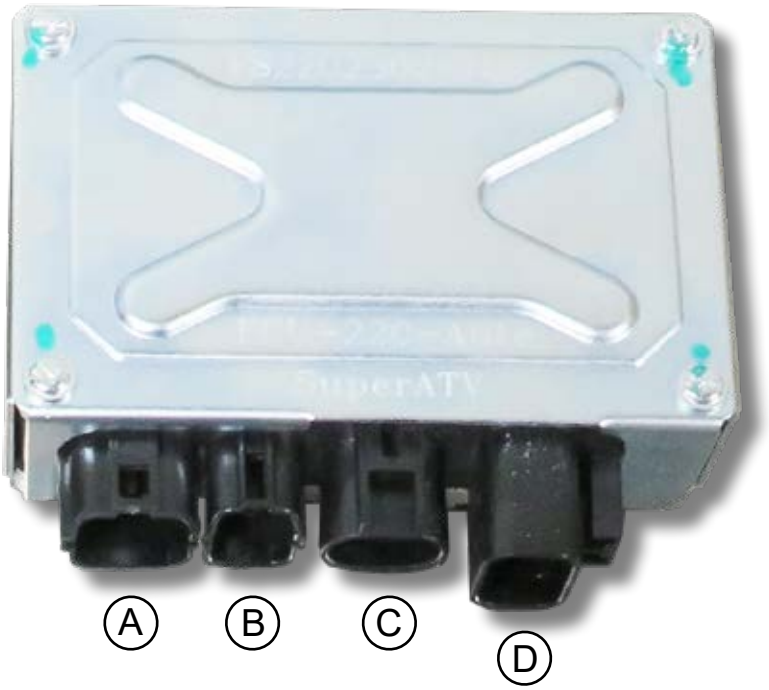


(Diagnostic Light)

NOTE: When activated, Diagnostic light will flash once for about (1) second before turning off, indicating proper function. Should different flashing patterns occur, contact SuperATV.

Plug	Function
A	Torque Sensor
B	Switched 12V Source

Plug	Function
C	Power
D	Motor



··· Components Removal - Keep All Components Removed From Machine ···

1. First, remove Hood from vehicle for access to the Factory Steering rod. See **Fig.1**. then we'll move inside the cab to start the components removal.



Fig.1

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2. Looking down into the compartment under the hood, you can see the steering rod and where the installation will take place. See **Fig.2**.

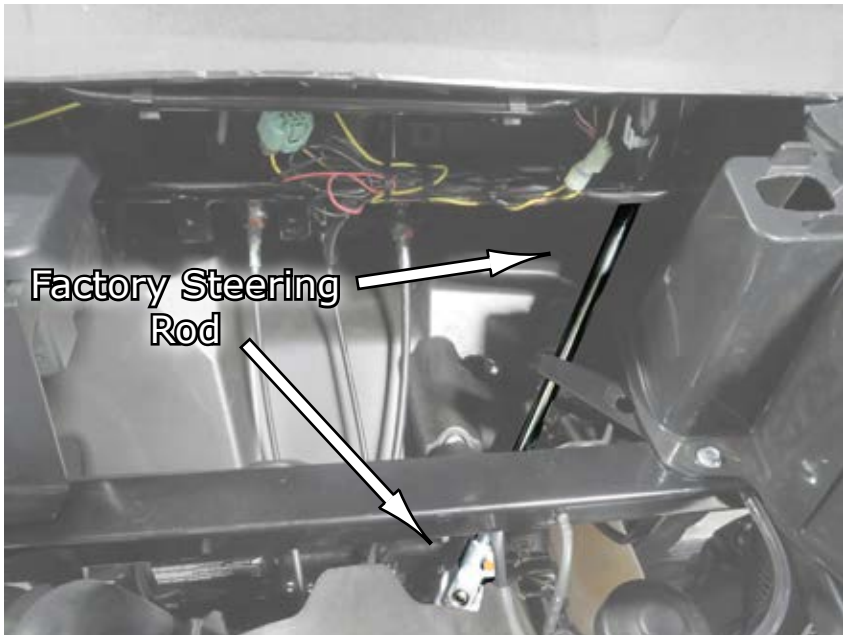

Fig.2

3. Now, you'll remove the steering column display panel assembly, by first removing the (4)screws around the perimeter of the cover. Take the front cover off and set aside. See **Fig.3.**



Fig.3

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4. Next, remove the (3) screws from the back of the cluster to remove from the plastic front casing and remove the internal cluster. **See Fig.4**.

(Fig.4 shown with mount already removed to show you placement of the screws for this step. You will remove it in the following steps)



Fig.4

5. After the front cover is removed, take out the internal cluster as shown in **Fig.5**.



Fig.5

6. Then remove the (2) 5mm bolts from each side of the cluster that mounts the cluster to the column, See **Fig.6**.

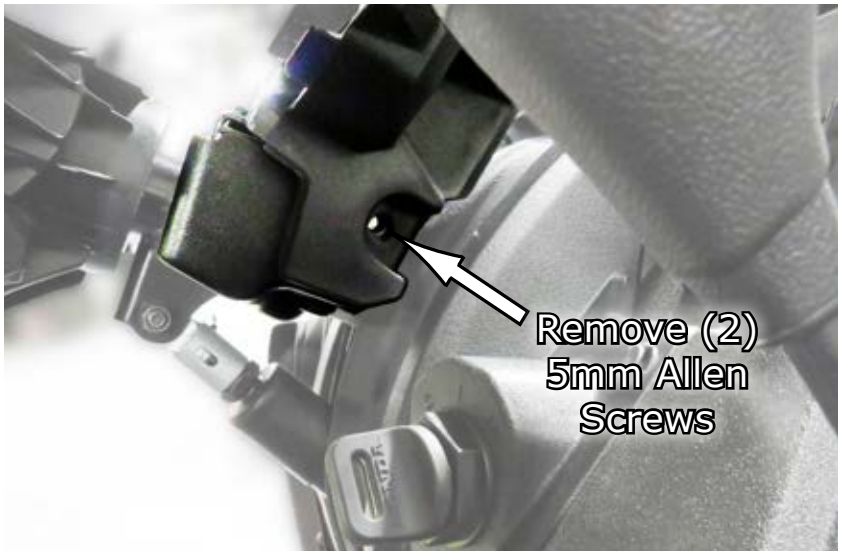

Fig.6

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7. And remove the center screw to allow you to remove the display cluster mounting plastic. Set Aside. See **Fig.7**.

8. Now remove the rubber Seal and set aside. Seal is fitted, but just pulls out along the edges. See **Fig.8**.



Fig.7



Fig.8

9. Next you will remove the steering dash panel by removing the (4) Push-Pins around the panel's perimeter as shown in See **Fig.9 & 9a**.

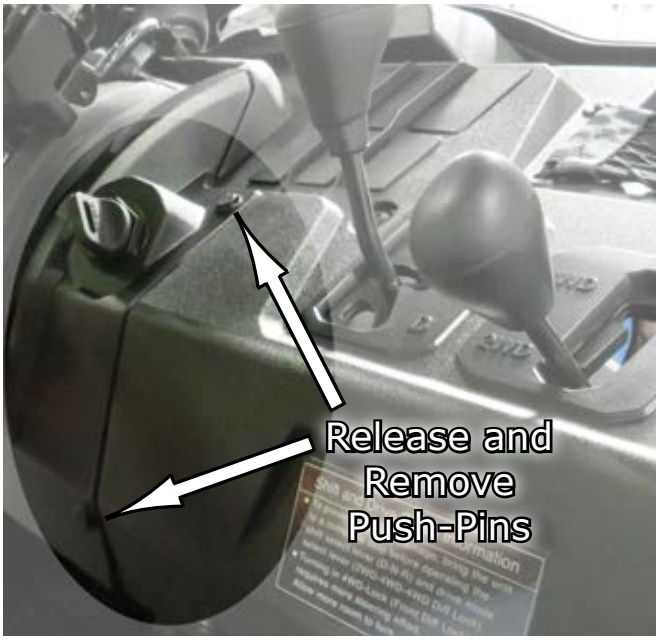

Fig.9



Fig.9a

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10. The next thing is to remove the Ignition Key Switch from the Panel you just removed. Unscrew plastic nut from the front and pull it out the back side of the panel. See **Fig's 10 & 10a**.



Fig.10



Fig.10a

11. Set panel aside and let display cluster hang in place. This will now give you access space to get to the Steering components. See **Fig.11**.



Fig.11

12. Now that you have upper access to the steering components,You are ready to remove the Factory Steering Rod in the next steps.

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13. To remove the Factory Steering Rod, locate the Lower connecting bolt, and remove it from the bottom shaft, disconnecting it at the bottom. See **Fig.12**.

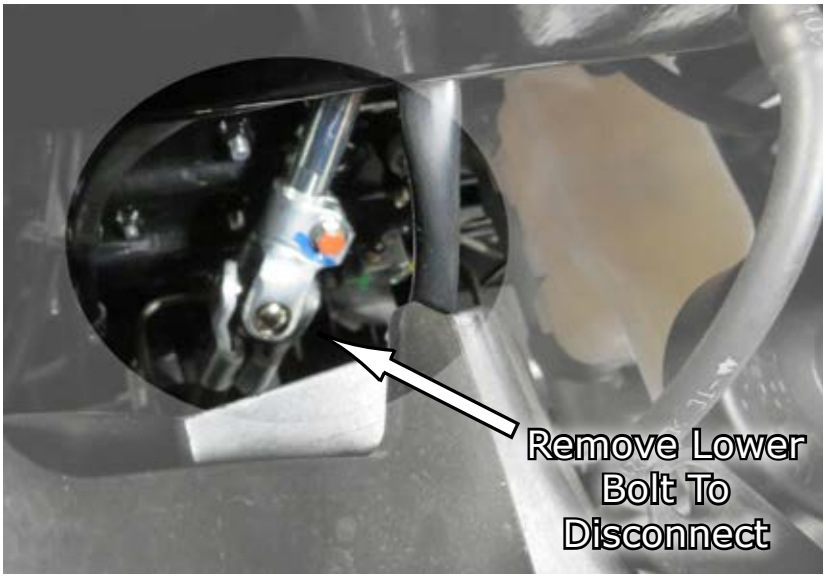

Fig.12

14. After disconnecting the lower bolt of the Factory Steering Rod, move back to the cab where you removed the steering dash panel, and locate the upper bolt of the steering rod. Access in front of the steering wheel. Remove the bolt, and you are now ready to slide it off the steering spline. See **Fig.13**.

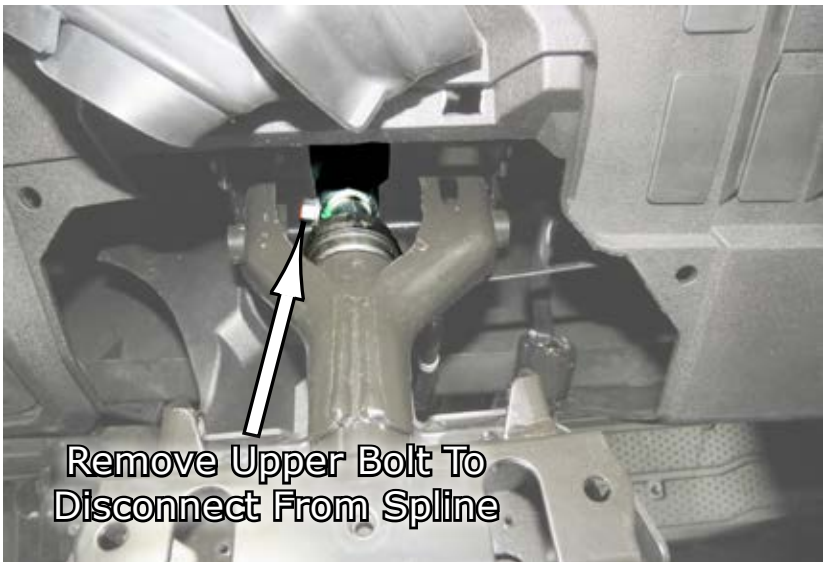

Fig.13

15. After you release the upper bolt of the steering rod, slip it of the spline and pull it up and out the top thru the same access point as shown in **Fig.14**. Now you are ready to install your New Kit.

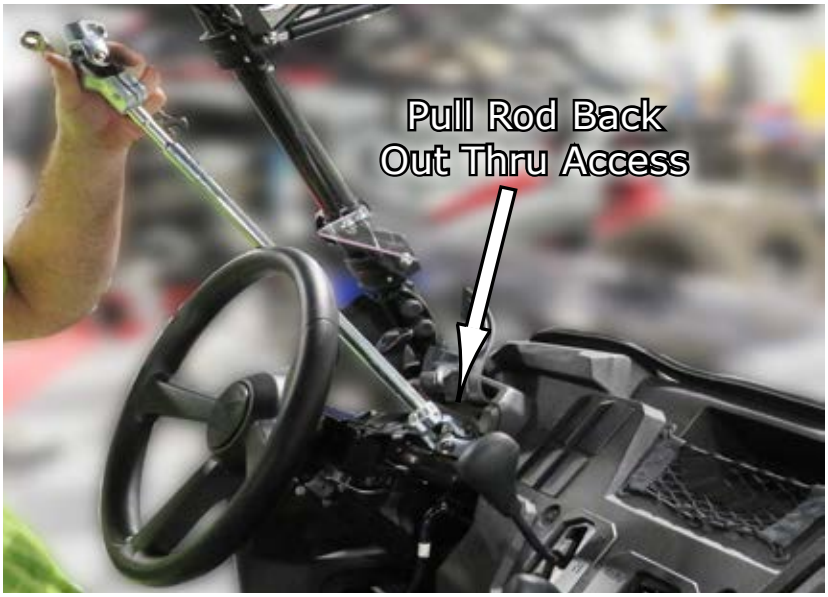

Fig.14

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16. First,you will notice that there are (2) shafts to install. The Longer one is the Upper Shaft and the Shorter one is the Lower Shaft. See **Fig.15**.

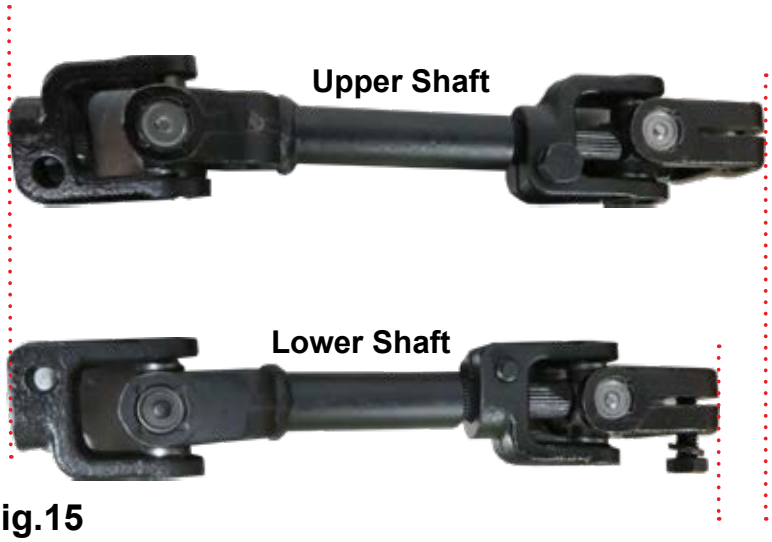

Fig.15

17. You will install the Lower Shaft onto the lower spline first using the hardware provided in your kit and tighten. See **Fig.16 & 17**.



Fig.16

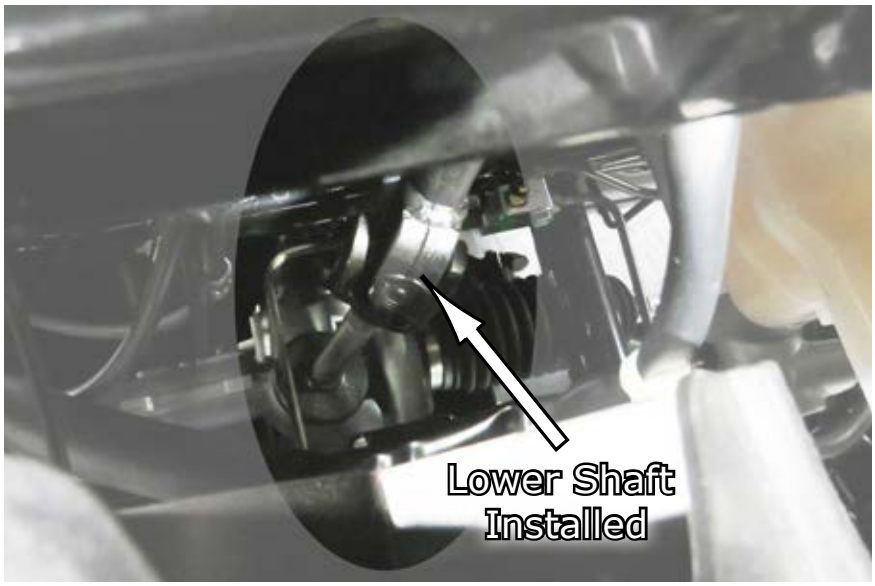

Fig.17

18. **Fig.18** shows how these parts install one into the other, for your reference.

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19. Now install the Upper Shaft to the steering column and tighten. See **Fig.19 & 20.**



Fig.19

Fig.20 shows both shafts installed and ready to install the Motor.

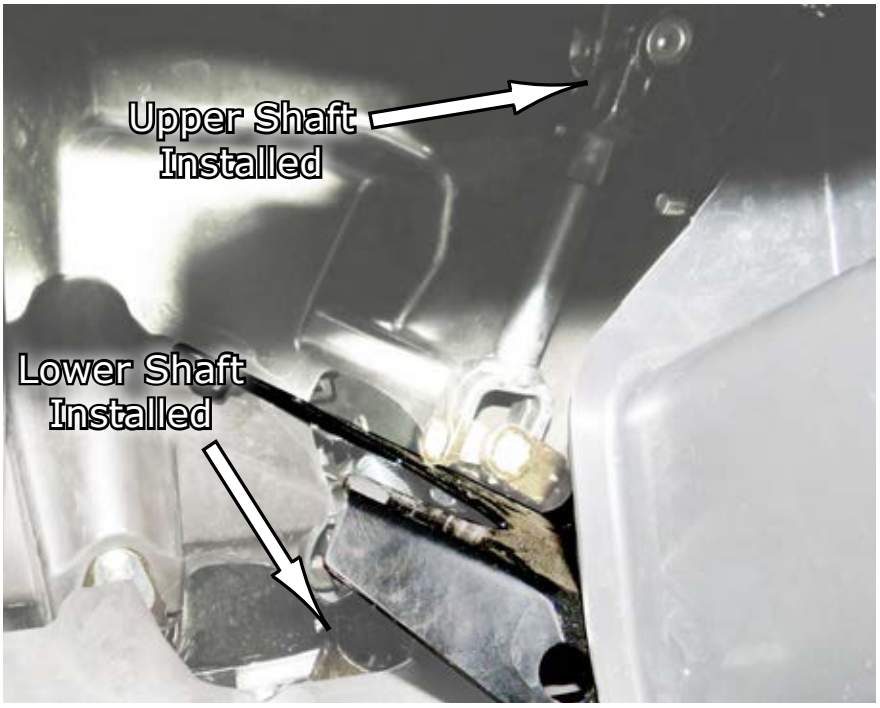

Fig.20



Fig.18

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20. Next, before you install the motor, you will need to install the mounting bracket to the steering motor using the hardware provided in your kit. To do this, you will need to put a copper washer on each side of the bracket plate before mounting it to the motor. These Copper washers and **M8x20** mounting screws are provided in your kit. See **Fig.21,22 & 23**.

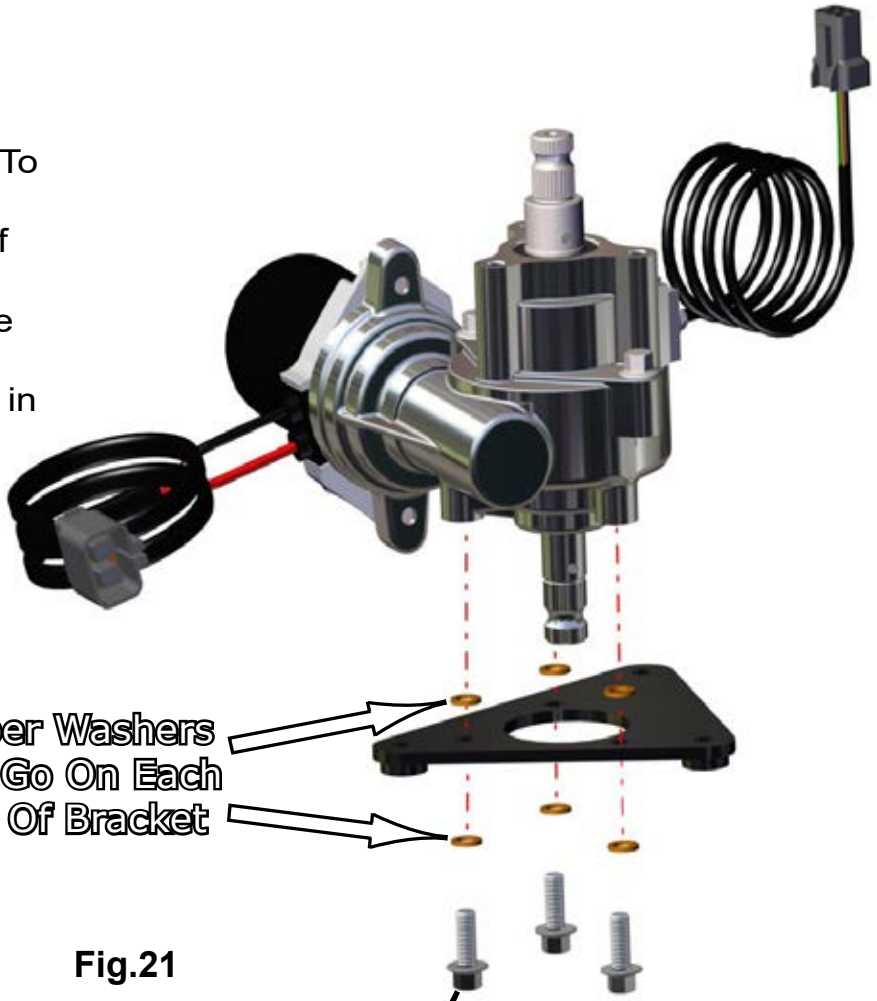

Fig.21



Fig.22



Fig.23

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21. After the bracket is securely attached to the motor, you can now mount the Steering Motor to the machine. **Fig.24** shows the frame area ready to mount your unit. You will mount you motor to this frame bracket using the hardware provided in your kit. This view is looking down from the open hood in the front of your machine.



Fig.24

22. Now mount the motor unit using the hardware provided in your kit. Notice the position of the motor and which end is up and down etc. Secure the motor tightly to the frame bracket ready to install the steering shafts to the motor that you installed to the steering wheel and lower spline shaft previously. See **Fig.25**.



Fig.25

23. **TIP**: When tightening down the screws of the motor to the frame bracket, it may be easier to drop an extension and socket down from the top from inside the cab in front of the steering wheel, as shown in **Fig.26**.



Fig.26

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24. **Fig.27** Shows the Steering Motor installed.



Fig.27

25. After the motor is installed, now we will hook up all the power and associated items to get it working. The first thing to do is to mount the “T” bracket or ECU bracket to the Control Unit Box. This is installed using the hardware provided in your kit. **Fig.28** shows the bracket mouned and ready to install.

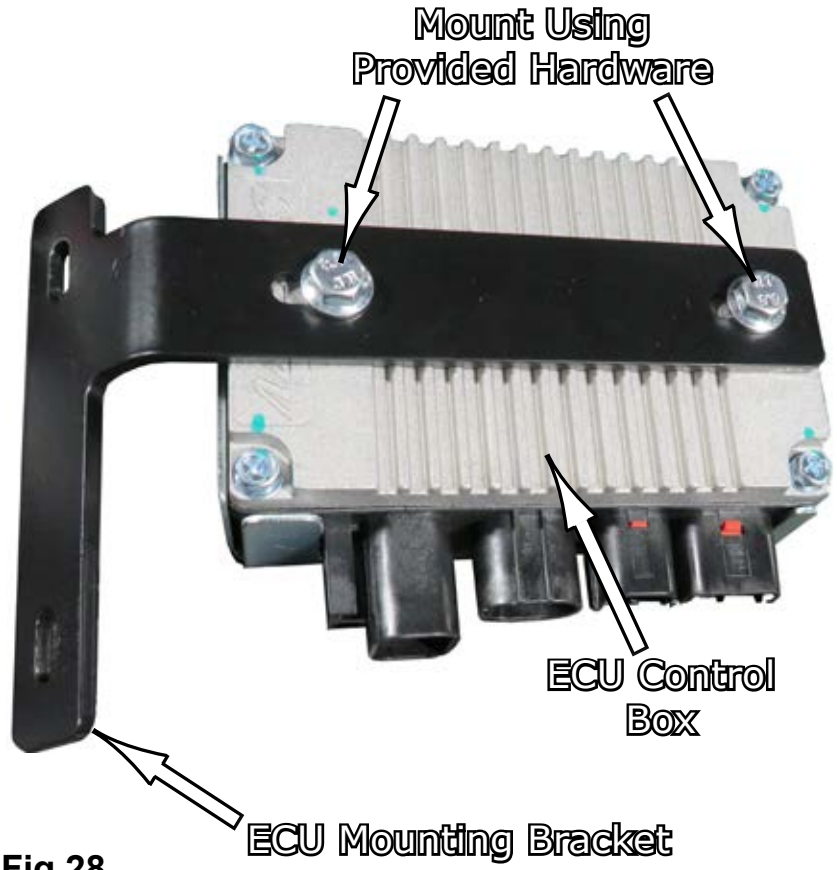

Fig.28

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26. After you've mounted the bracket to the ECU Box, you can now mount it to your machine using the hardware provided in your kit. **Fig.29, 30 & 31** shows the frame mounting location under the hood and after the unit is installed.

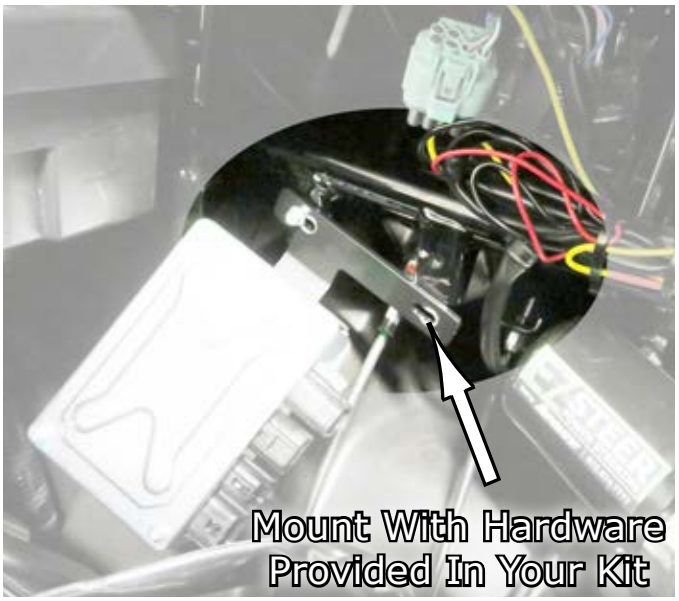

Fig.30

27. Once the box is mounted, you can now plug in the harness connectors to the box. Your box connections should look like the pics below in **Fig's.32 & 33**.



Fig.32

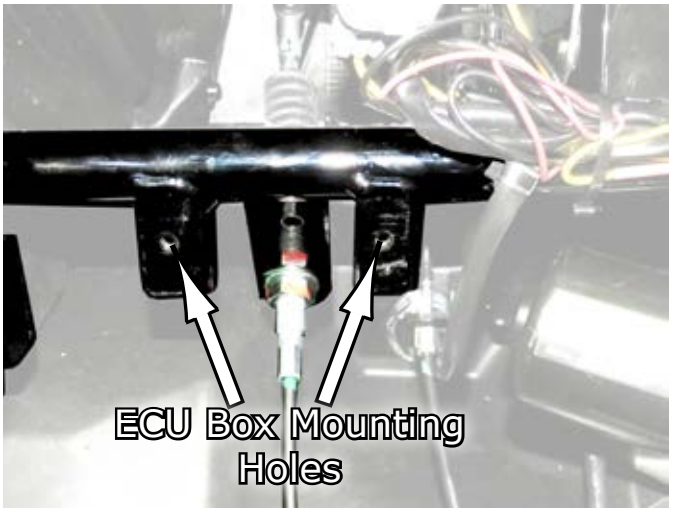

Fig.29

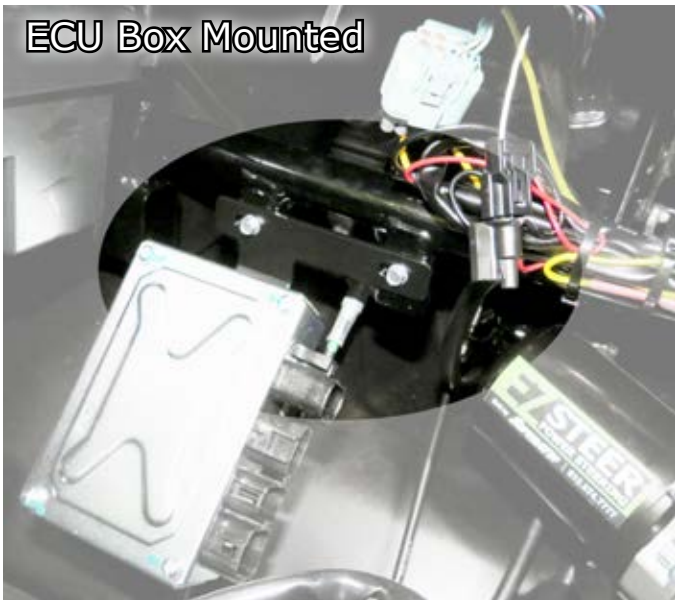

Fig.31



Fig.33

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28. After you've plugged the connectors into the ECU, find the White wire from your new harness, and find the white wire from the Factory Harness. With using the Scotch Lock Splice connector, splice both white wires together. This is the Switched Power from your ignition so that your steering only comes on when the key is in the on position. So only splice White to White as shown in Fig.34.

29.Now you will take the rest of the ECU Harness and route it out the fender well to the back of the vehicle to hook up the power. **Fig.35** shows where to feed the harness out of that compartment area.

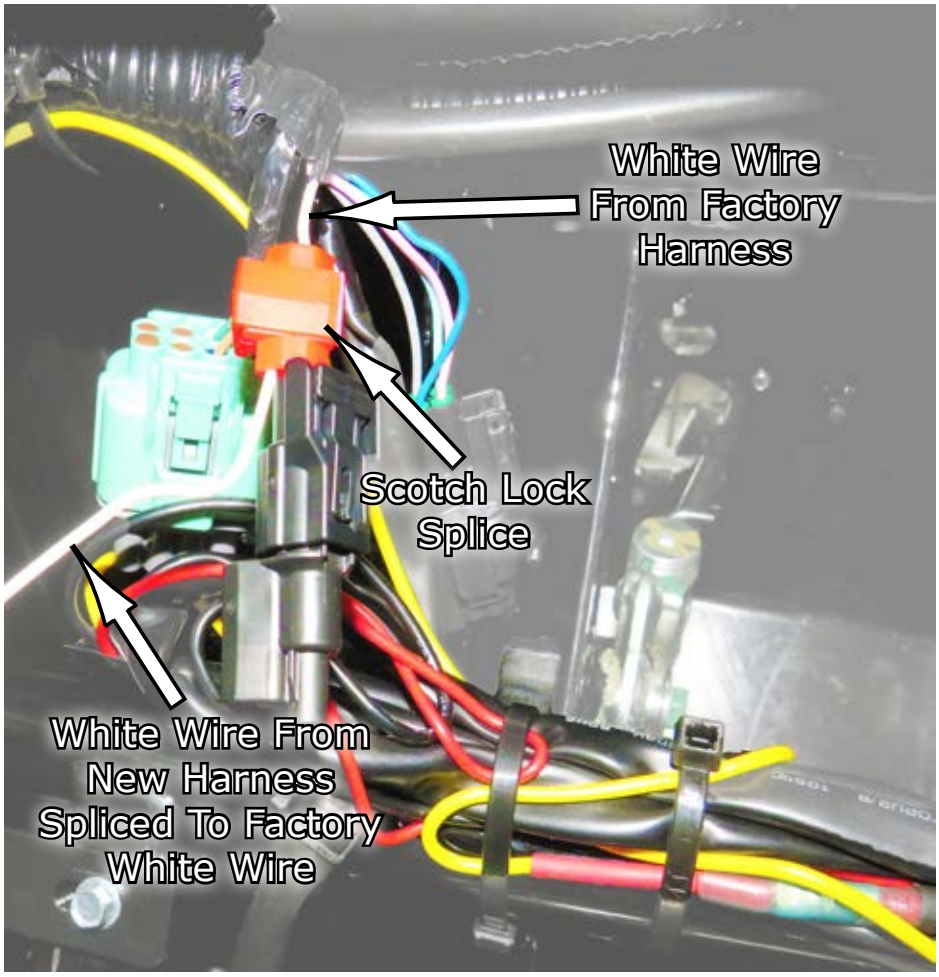

Fig.34



Fig.35

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30.**Fig.36** shows the Harness coming down (from **Fig.35**), and routing to the battery via under the seat area.

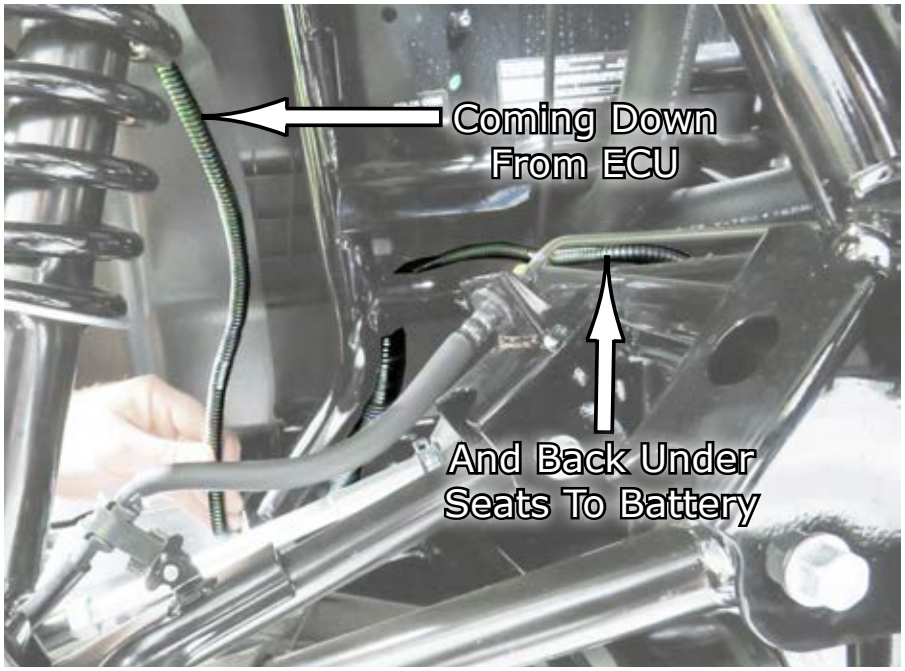
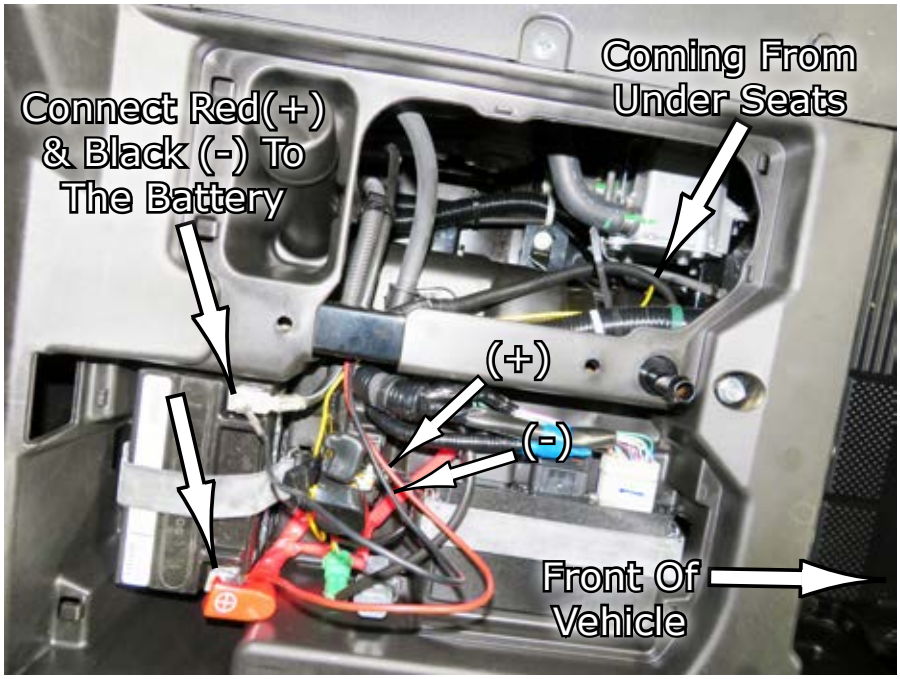


Fig.36

31.After you feed the harness down and back under the Seat/Center Console routing to the Battery, you then bring it into the Battery compartment and the hook up the remaining Red & Black wires to the Battery as shown in **Fig.37**.



Once the battery is hooked up and all Harness cables are securely Zip-Tied away from rubbing , heat or moving parts, you can now start the vehicle and try out your new Power Steering!

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