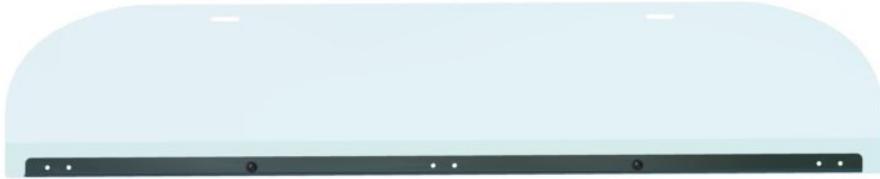


INSTALLATION INSTRUCTIONS

Power Front Windshield: PFWS-CA-MAVR



Upper Poly Shield



**Left & Right
Upper Brackets**



Main Windshield



Actuators (2pcs)



**Hinges
(3pcs)**



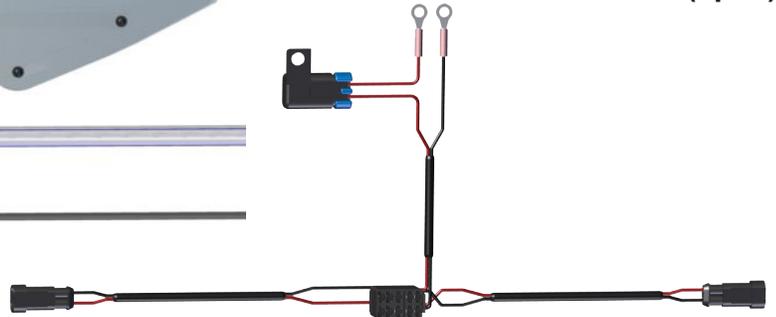
Bulb Seal



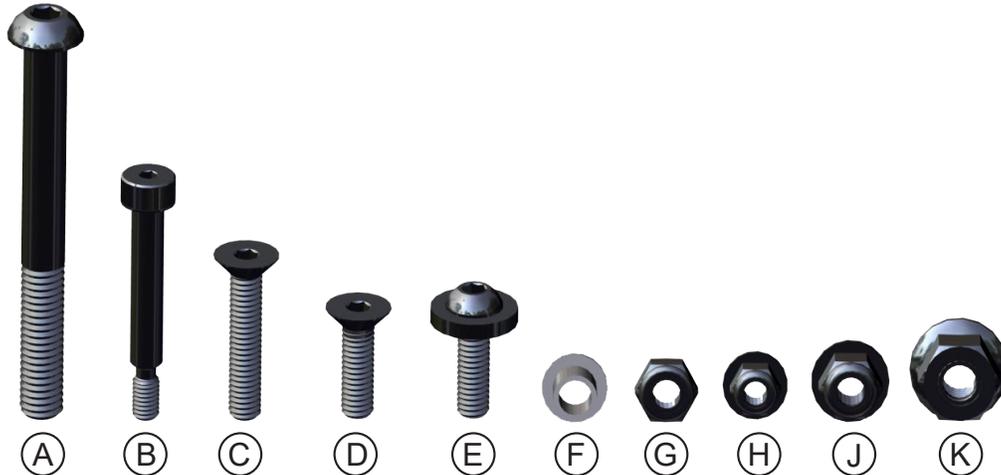
"D" Seal



Velcro Windshield Straps



Wiring Harness



Item	Description	Qty
A	M8x70 Button Head	4
B	M6x30 Socket Shoulder	4
C	M6x30 Flat Top	4
D	M6x20 Flat Top	8
E	M6x20 Button Sealing	21
F	Flanged Sleeve Bearing	8
G	M6 Nylock Nut	29
H	M5 Nylock Flanged Nut	4
J	M6 Nylock Flanged Nut	5
K	M8 Nylock Flanged Nut	4

1. The first thing you need to do is remove the hood cover to access your harness routing areas. See **Fig.1**.

2. Next, from inside the can Driver's side, remove the factory switch panel as shown in **Fig.2**.

3. Feed Switch Plug thru one of the switch holes, your choice, so it hangs out a little bit as shown in **Fig.3**.



Fig.1

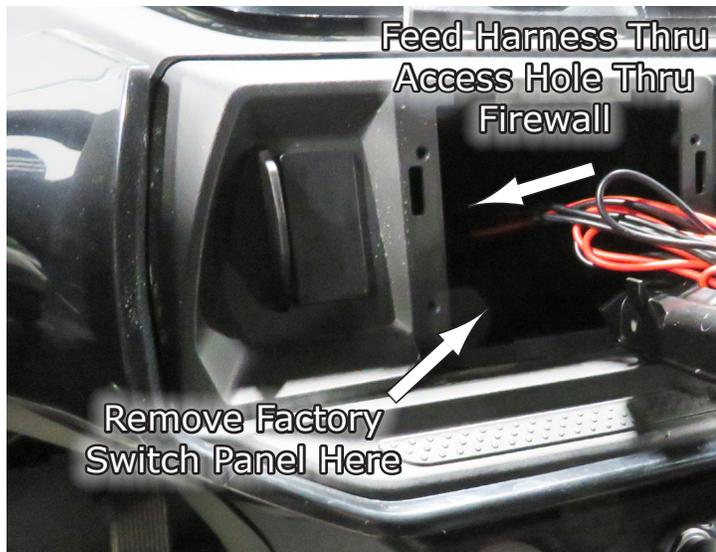


Fig.2



Fig.3



4. Now feed the opposite end of the Harness on thru the firewall, **Fig.2**, thru an opening and run all harness cables out the top as shown in **Fig.4**. Then route one connector plug to the Left side and the other to the Right side also shown in **Fig.4**. These are for the Actuators you will hook up in the coming steps. But next you will hook up the switch and then the power and ground wires to the 12VDC Battery Supply.

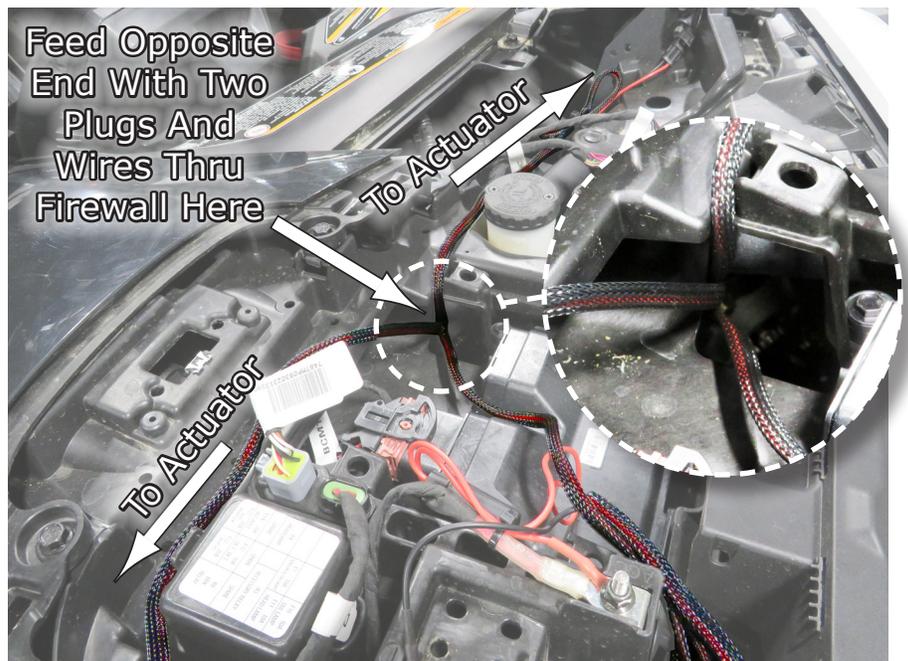


Fig.4

5. Now go back into the cabin and connect the Switch to the Harness Cable connector you fed thru the switch plate. This will keep the harness from pulling back out should you pull it from the front a little too hard etc. Also make sure you plug it in so the "Open" end is at the top before snapping it into the panel after you have tested the system. See **Fig.5**.



Fig.5

6. After the Switch is plugged in, now go back around to the front and we'll hook up the power to the supply. As you can see, the Red, Black and Fuse wires will route to the power supply.

The Red goes to the Positive (+) terminal block, and the Black to the Negative (-) terminal block of the 12VDC supply. Also we have placed our Fuse in a convenient location in case we need to change the fuse. Secure all wires firm with zip-ties to keep from moving. See **Fig.6**.

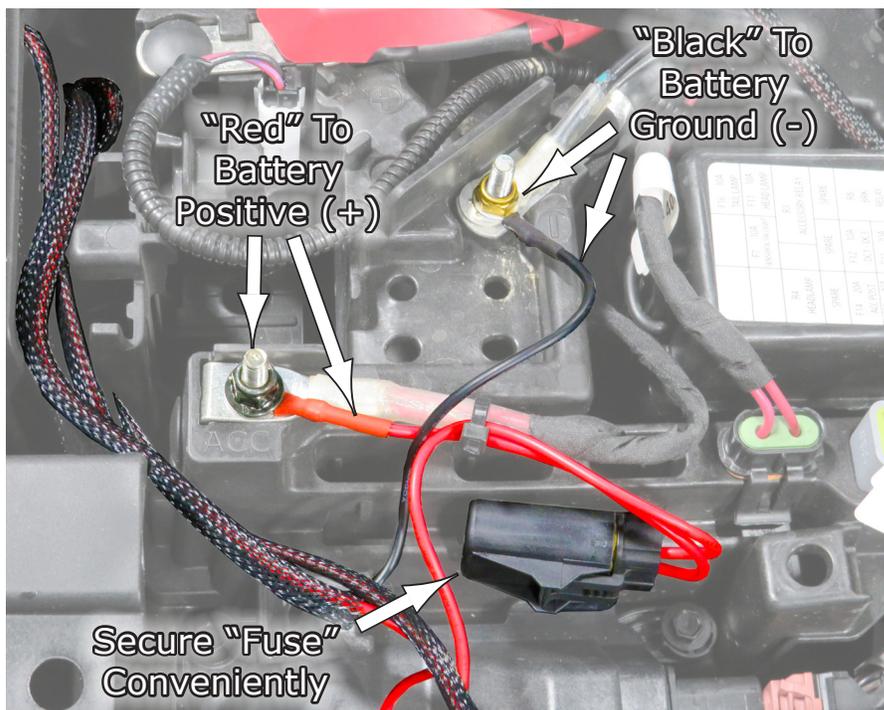


Fig.6

7. Once the power is hooked up, your set-up should look like the one in **Fig.7** below. Also notice we routed the harness connectors for the Actuators, one going to each side, ready to install the Actuators. See **Fig.7**.

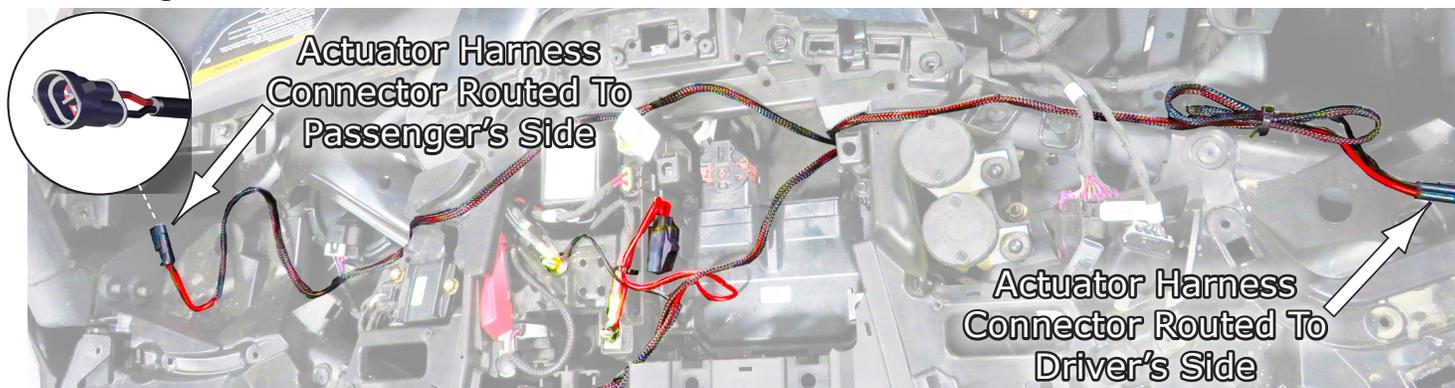
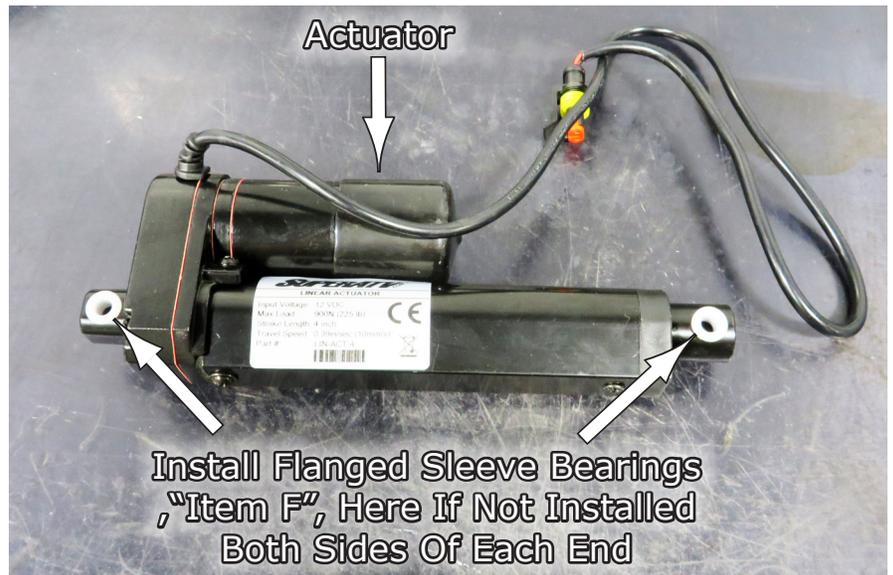


Fig.7

8. Next, locate the power **Actuators** and install the nylon Flanged Sleeve Bushings, **Item "F"**, provided in your kit. You will install two (2) of these onto each end of the Actuator, (4) per Actuator. **Fig.8** shows these installed on each end, but only on this side. The other two (2) will go on each end on the back side of this view. Do this for both Actuators.



Install Flanged Sleeve Bearings, "Item F", Here If Not Installed Both Sides Of Each End

Fig.8a

Next you will install the Actuator Brackets in the locations shown in **Fig.8b**.



Install Actuator Brackets In These Locations

Fig.8b

9. Mount the Actuator Bracket using the M8x70 Button Head Bolt, **Item "A"**, and M8 Nylock Nut, **Item "K"** provided in your kit. **Fig's.9a-b** show both sides of the mounting.



Install Using Item "A" M8X70 Bolts

Install Item "K" Nylock Nuts onto bolts

(passenger's sides shown)

Fig.9a

Fig.9b

10. Now, mount the Actuator cylinders in the brackets you just installed. Install the Actuator in the bracket by using the M6x30 Shoulder Bolts, **Item "B"** and M6 Nylock Nuts, **Item "J"** provided in your kit.

NOTE: Keep bolts loose for now so you can make adjustments once the windshield is installed and all is ready to tighten down. Repeat the same for the opposite side.



11. After the Actuators are mounted and ready, now you need to install rubber seals to the Upper Poly Shield. See **Fig.11a**. The first is the Adhesive "D" Seal that you cut to fit and apply to the straight angled metal brace as shown in **Fig.11b**. The next is the Bulb Seal that applies on the remaining edges by cutting to fit and pressing it over the poly glass edge also shown in **Fig.11b**.

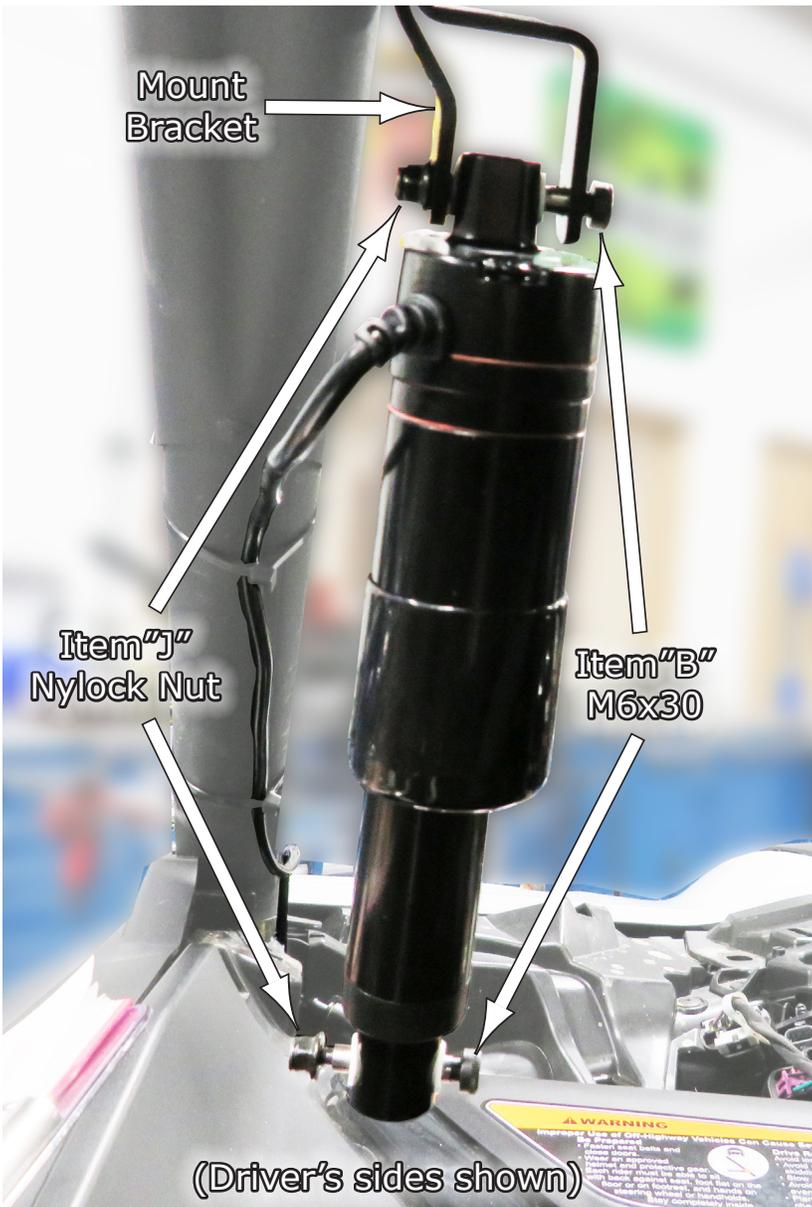


Fig.10



Fig.11a



Fig.11b

12. Next you will need to install the hinges onto the main windshield and then attach the smaller one to it by installing ONLY the Middle Hinge to the smaller one as the two (2) outer hinges will also need to be attached to the frame brackets when installing it onto the machine. And then installing the two Sealing Washers to the main and smaller sections as well. This will allow you to install both sections onto the machine as one piece as you will see in the following steps ahead. **Fig.12a** shows which hardware is used in each location. **Fig.12b** shows not installing the outer top bolts yet until it has been placed onto the machine.

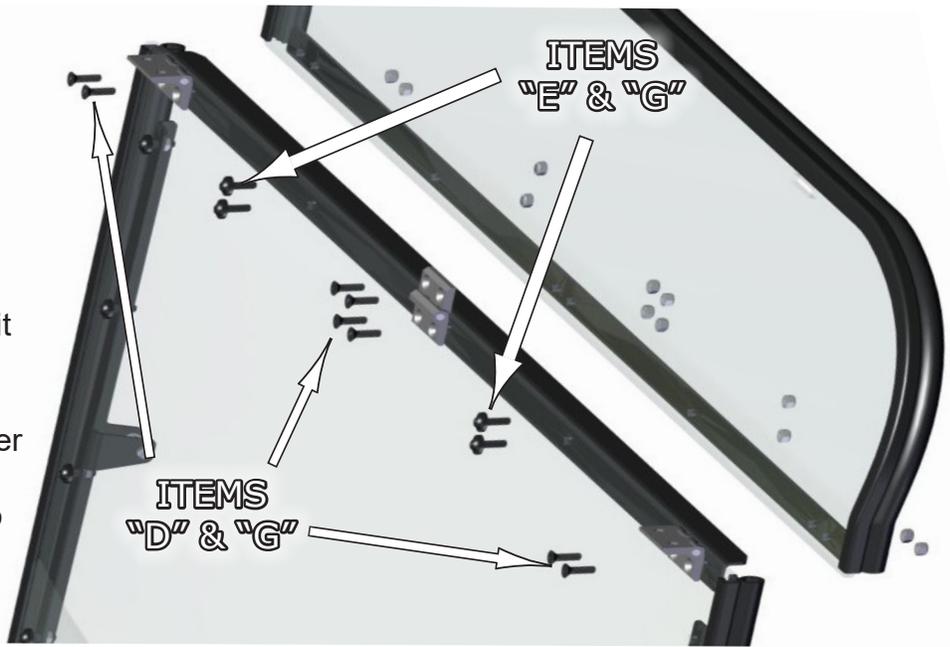


Fig.12a



Fig.12b

13. Once you have put the two windshield sections together, you can now place or set it onto the machine as shown in **Fig.13**. Be sure to position it so that the seals generally fit all the way around, and Upper Shield fits up under the roof.

NOTE: It helps to place a wedge or something to lift the front of the roof up, to hold it up, allowing you more room to place the top of the windshield up under the roof, which can be removed after the window is up under the roof. You'll need to remove the roof bolt in those corners. See close view in **Fig.13**.



Fig.13

14. Next shows the Upper Section of the Windshield up under the roof. Once that is in place, you can now attach the Outer Two (2) hinges to the vehicle framing as mentioned previously. You will install them using Item's "C" & "J". See Fig.14a-b.



Fig.14a

Fig.14b

15. Now you can go ahead and Zip-Tie the Actuator cables to the window framing getting them on out

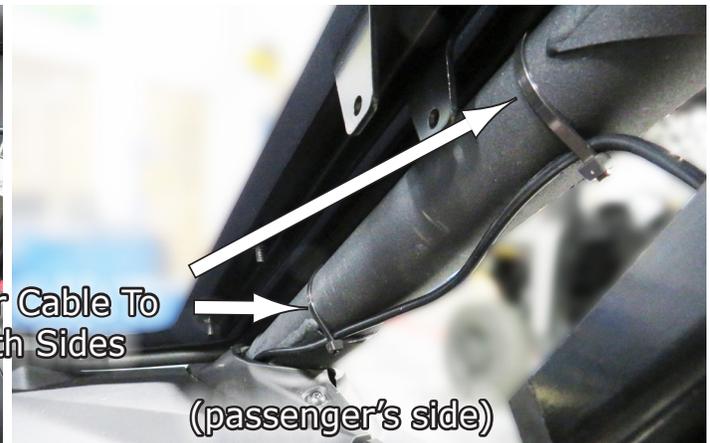
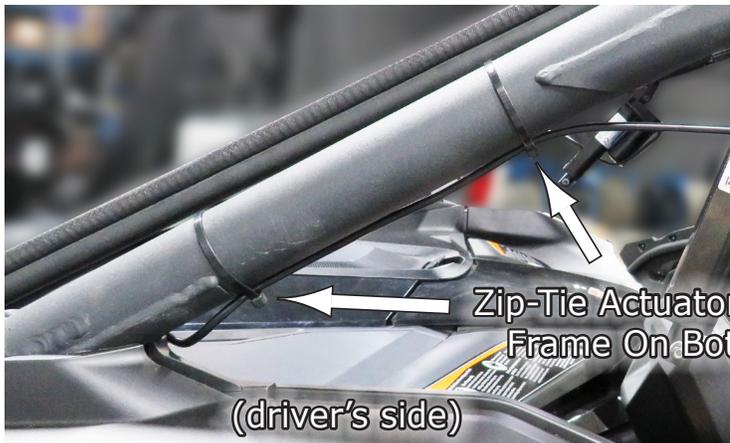


Fig.15a

Fig.15b

16. Then feed the Actuator cables down thru the firewall, see Fig.16a-b, and plug into the Harness cables you placed up in front on each side previously to connect them to the system. Fig's.16a-b.



Fig.16a

Fig.16b

17. Now you're ready to strap the upper section of the windshield to the roofing frame bars. To do this, you feed the Straps (provided in your kit) through the slots in the upper section, see Fig.17.

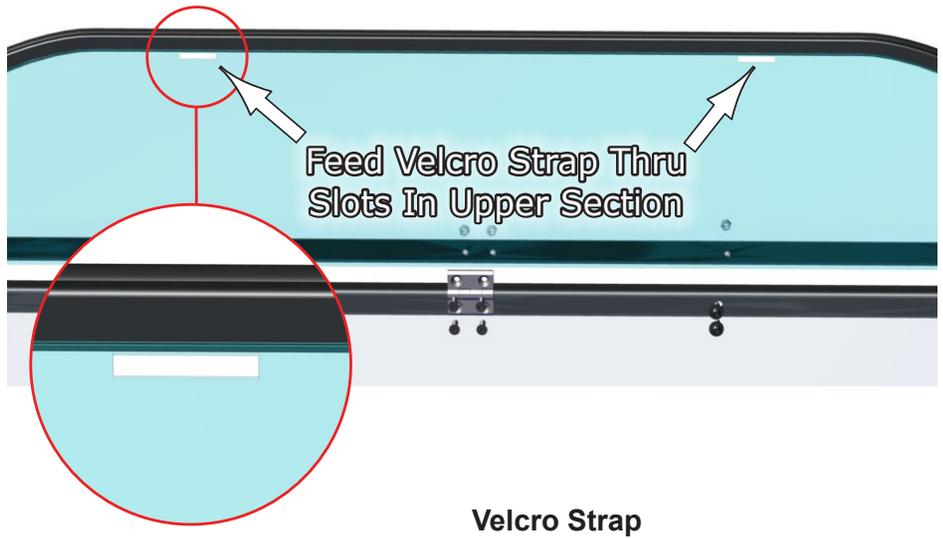


Fig.17



18. Then wrap around the upper frame pole as shown in Fig.18a and tighten down and lock the hook & loop as shown in Fig.18c-d. Repeat for both slot locations.



Fig.18a



Fig.18b



Fig.18c

19. Now you can install the lower Actuator cylinders to the Windshield Brackets. Do this by using **Items "B" & H"** provided in your kit. See **Fig.19a-c**.



Fig.19a



Fig.19b



Fig.19c



Fig.20

20. **Fig.20** shows the Actuators installed complete. Yours should look like this.

21. Don't forget to remove the roof wedge or spacer that you used and re-install the roof bolts on each front corner. See Fig.21.

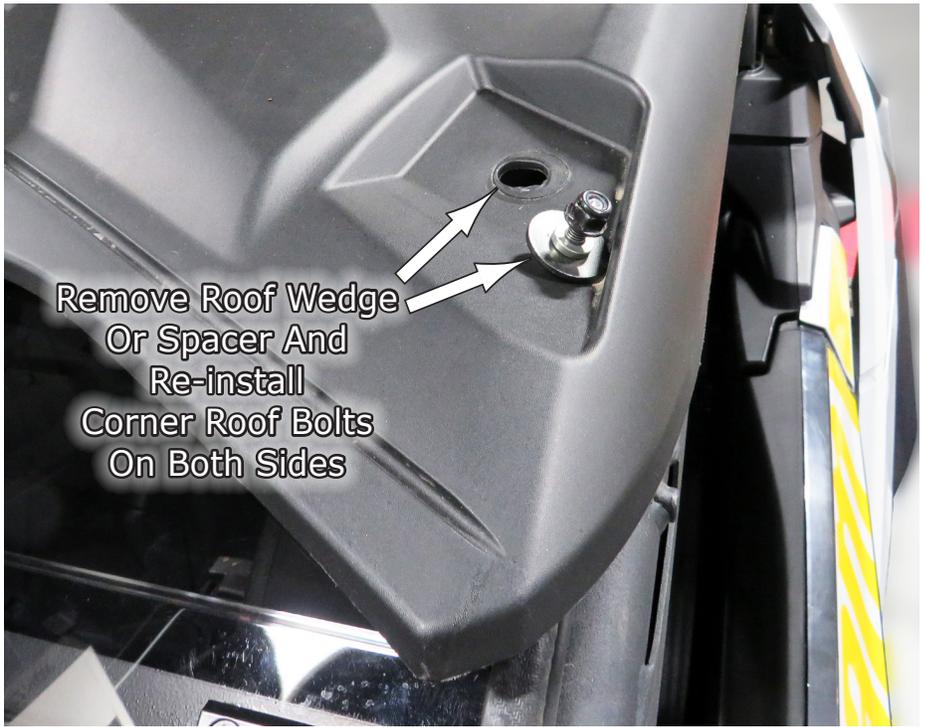


Fig.21

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