



ASSAULT

INDUSTRIES



INSTALLATION INSTRUCTIONS

CBS-K-KRX-001: CARGO SHELF SYSTEM



ITEM	DESCRIPTION	QTY
A	5/8"-18 HEIM ASSEMBLY, & JAM NUT	2
B	M12X1.75X80 HEX FLANGED	2
C	HEIM SPACER, 5/8"	4
D	M12X1.75X35 HEX FLANGED	4
E	M6X1.0X12 HEX FLANGE	8
F	M10X30 SOCKET SHOULDER	2
G	M10 X 1.5 BALL JOINT ROD END	4
H	M6X1.0X20 BUTTON FLANGED	4
J	M10X1.5X50 BUTTON HEAD	2
K	M10X1.5X20 HEX FLANGED	2

ITEM	DESCRIPTION	QTY
L	M6X1.0X16 BUTTON FLANGED	2
M	M4X0.7X14 BUTTON HEAD	4
N	M4X0.7X8 BUTTON HEAD	4
O	M8X1.25X25 BUTTON HEAD	2
P	M8X1.25X25 HEX FLANGED	8
Q	M10X1.25X100 HEX FLANGED	2
R	20MM-OD X 11MM-ID ZINC SPACER	2
S	M6 FLAT WASHER	2
T	16MM-OD X 9MM-ID ZINC SPACER	2
U	16MM OD X 10.3MM ID ZINC SPACER	4

ITEM	DESCRIPTION	QTY
V	16-OD X 11-ID SPACER	4
W	1/16" ZINC PLATED HAIRPIN	2
X	M5 X 11/64" I.D. BRAKE LINE CLIP	4
Y	M4X0.7 NYLOCK HEX FLANGED NUT	4
Z	M8X1.25 NYLOCK HEX NUT	2
AA	M6X1.0 NYLOCK HEX FLANGED NUT	2
BB	M10X1.5 NYLOCK HEX NUT	2
CC	M8X1.25 NYLOCK HEX FLANGE NUT	8
DD	M10X1.25 NYLOCK HEX FLANGED NUT	2
EE	M12X1.75 NYLOCK HEX FLANGED NUT	4



FIG.1

1. To start your installation, the first thing to install is the **Tube Mount Assemblies and Clamps** to the rear bars. **Fig.1** shows the general area where you will be installing them at.

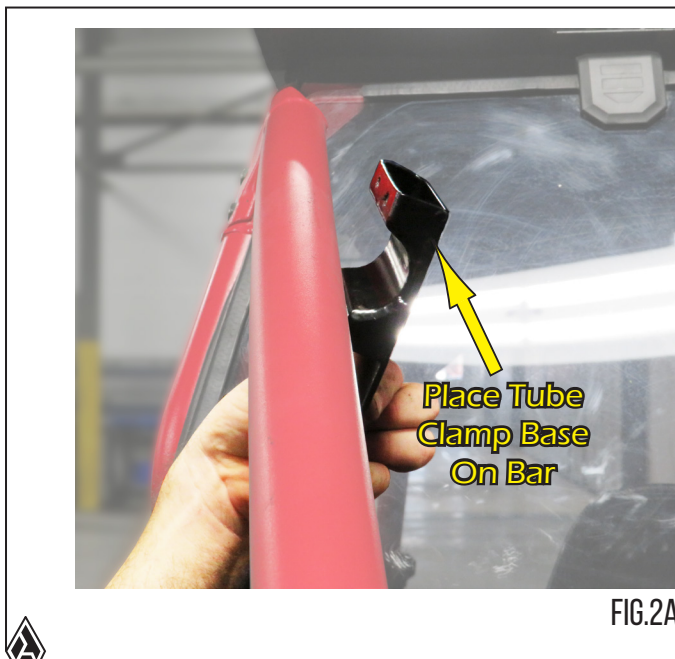


FIG.2A

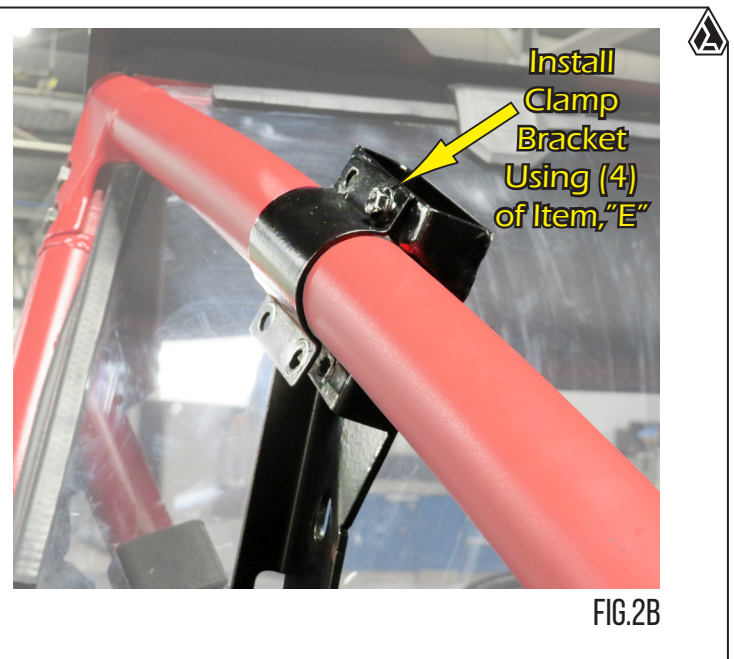
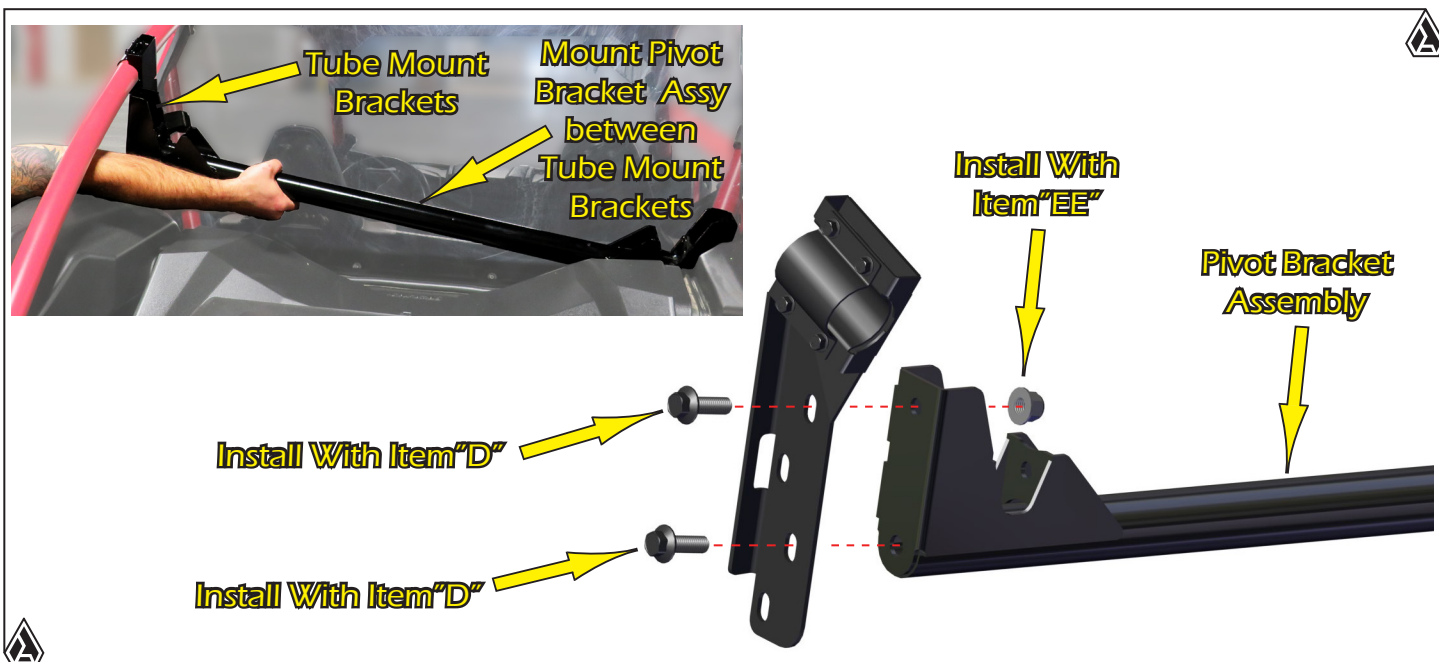
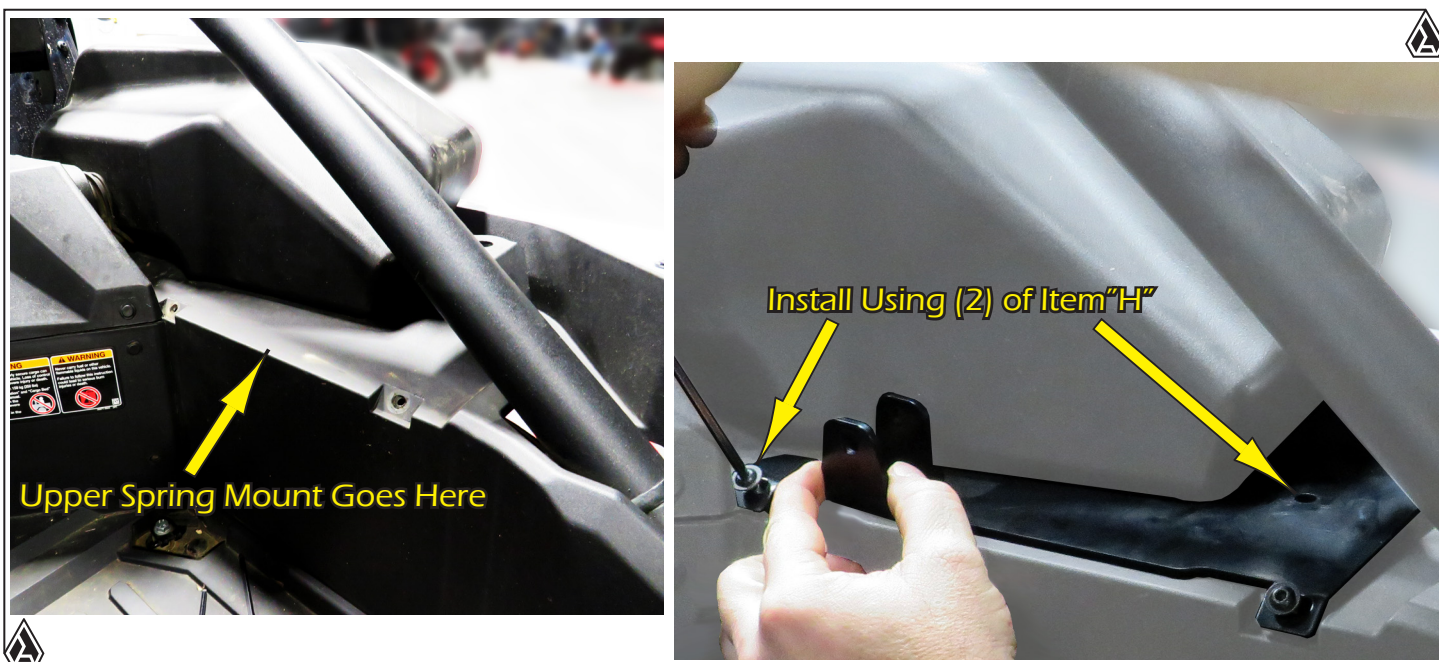


FIG.2B

2. **Fig.2a** shows installing the tube mount around the bar, and **Fig.2b** shows the Clamp portion of the assembly installed using **Item "E"** bolts (4 p cs) provided in your kit. Leave bolts a little loose at this point to make adjustments after all parts are assembled together. Repeat for opposite side.



3. Next, find the **Pivot Bracket Assembly** and mount it between the two **Tube Mount Brackets** you just installed. You'll do this using **Items "D"** and **"EE"**. See Fig.3. Repeat for opposite side.



4. Now find the **Upper Spring Mount Bracket**. This will be installed on the sides as shown in Fig.4a. You install them using (2) of **Item "H"** provided in your kit in the locations shown in Fig.4b. Snug these two down temporarily to position the bracket. You will need to drill a few holes using the holes in the bracket itself. There is a Lower Bracket that will mount to the Upper Bracket up underneath using the holes that you drill in the next steps.

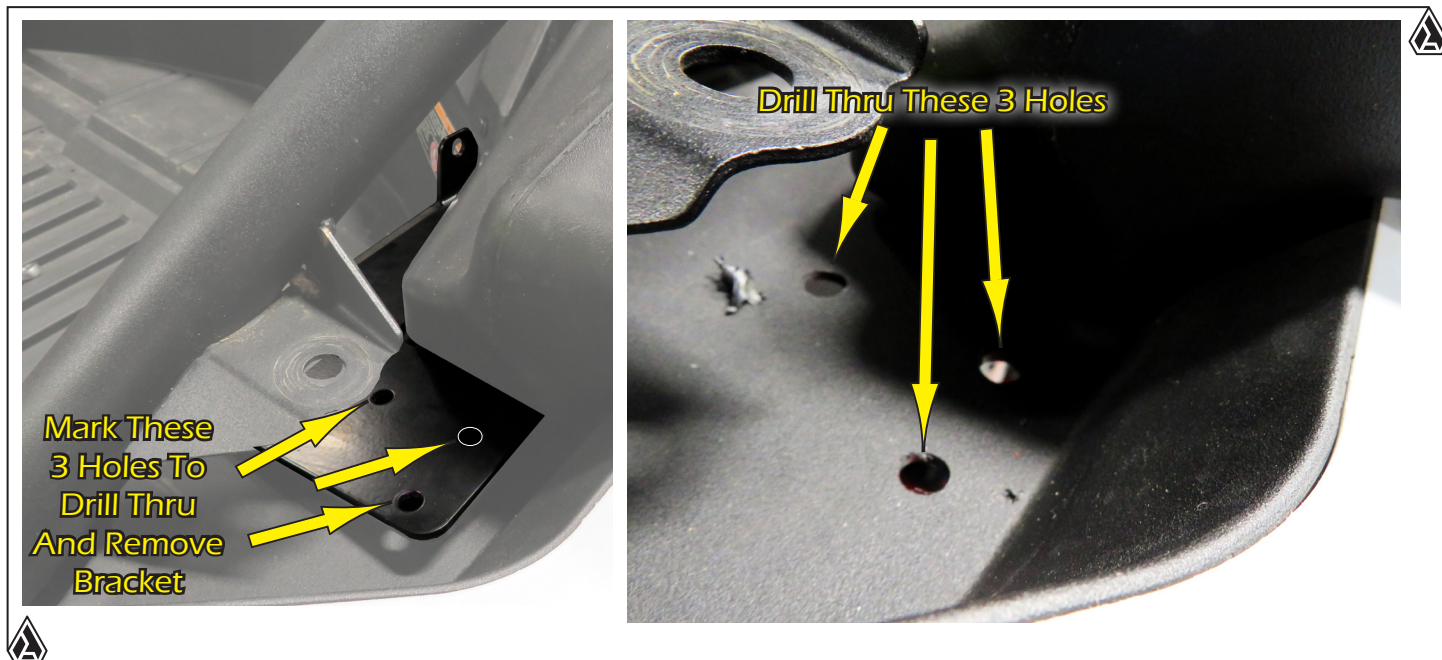


FIG.5

5. Once the bracket is snug down, now mark the hole centers of each of the 3 holes, and remove the bracket so you can drill the 3 holes thru. **See Fig.5.** You will need a 10mm drill bit to do the job. And the finished holes should look like the ones also in **Fig.5.**

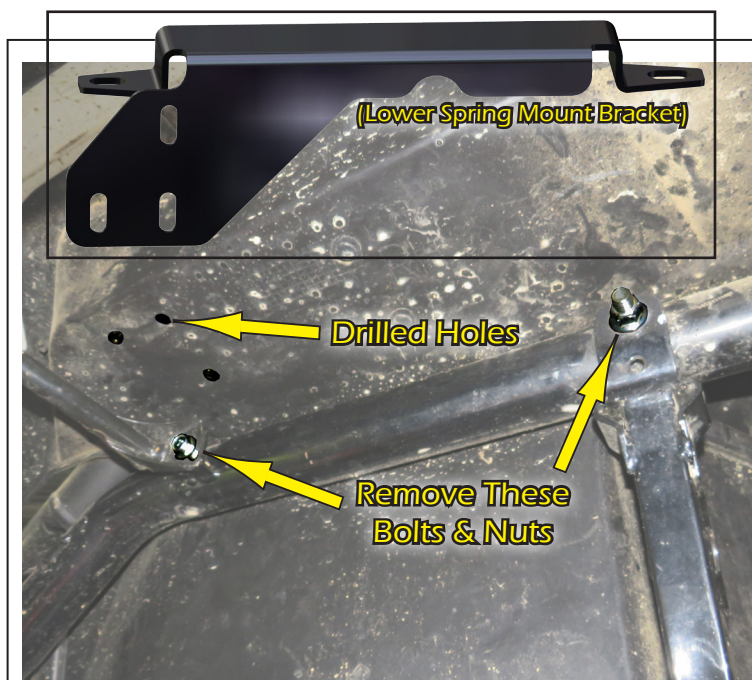


FIG.6A

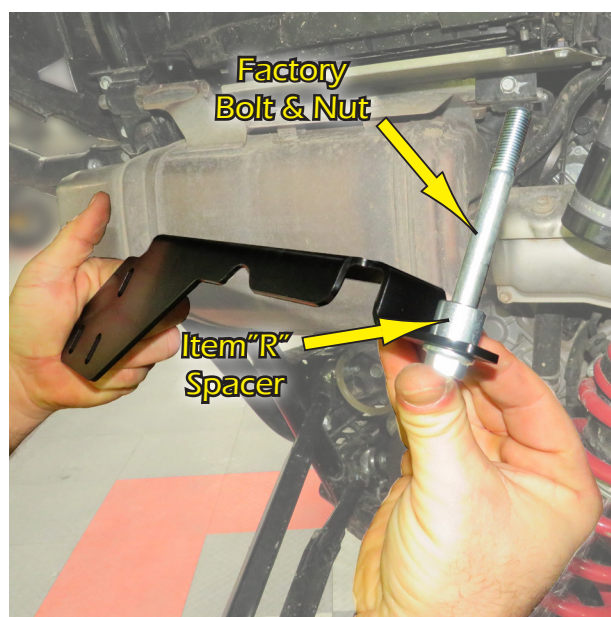


FIG.6B

6. Now you need to locate the **Lower Spring Mount Bracket** and will be installing it up underneath the rear fender well as shown in **Fig.6a.** To do this, you will need to remove the bolts and nuts shown in **Fig.6a,** but keep them as you will be using them next. **See Fig.6a.**

Then you will install the bracket using the thicker Spacer, **Item "R"** on the right side along with your factory bolt and nut, and assemble as shown in **Fig.6b.**

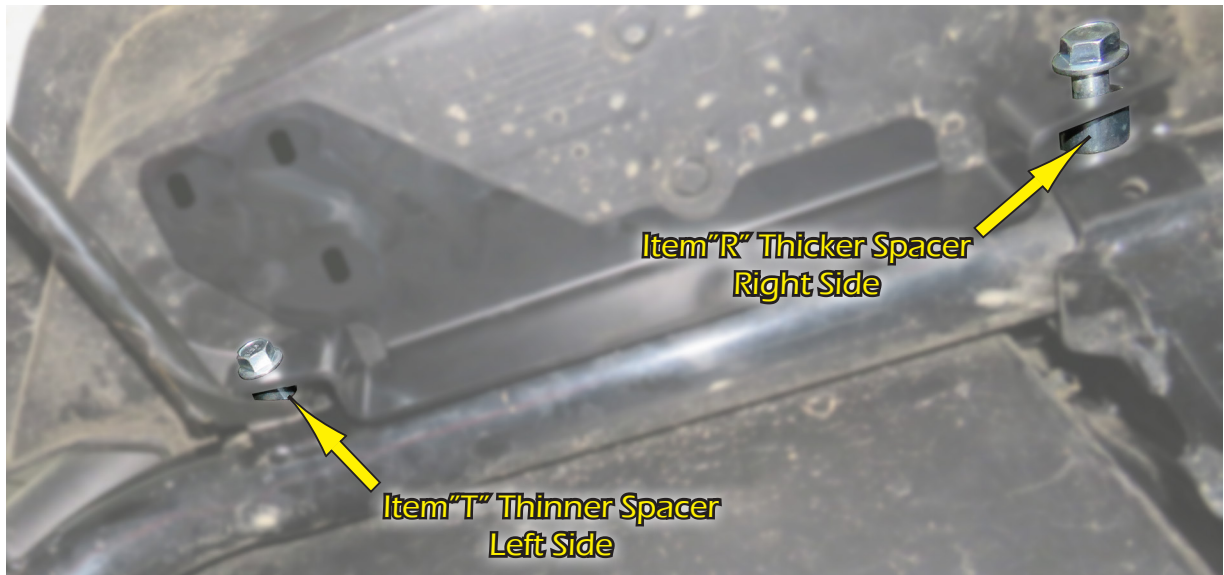


FIG.7

7. Then you will use the Thinner Spacer, **Item "T"** on the left side of the Bracket as shown in **Fig.7**. Leave a little loose until you get the (3) upper bolts in place, then tighten down.

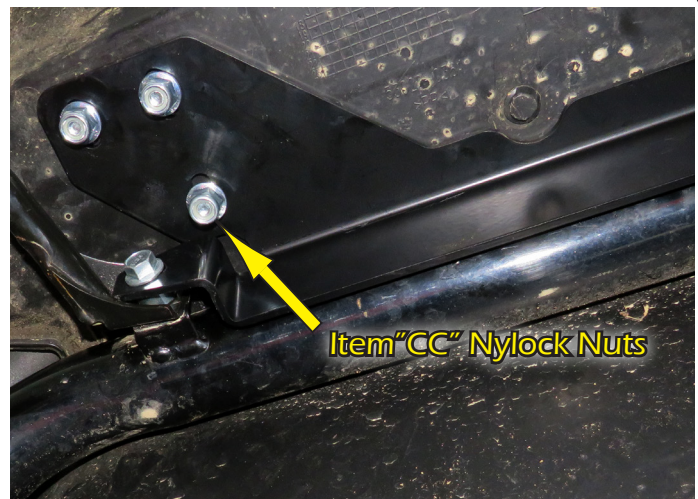
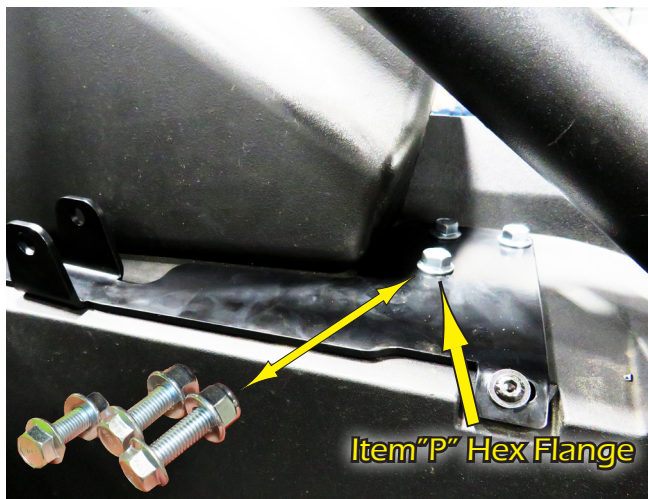


FIG.8

8. Next, you will install the (3) bolts and Nylock Nuts provided in your kit in the remaining (3) holes you previously drilled thru. You will use **Item "P"** and **Item "CC"** provided in your kit. After those are installed, then tighten all bolts and nuts down securely. Repeat for opposite side.

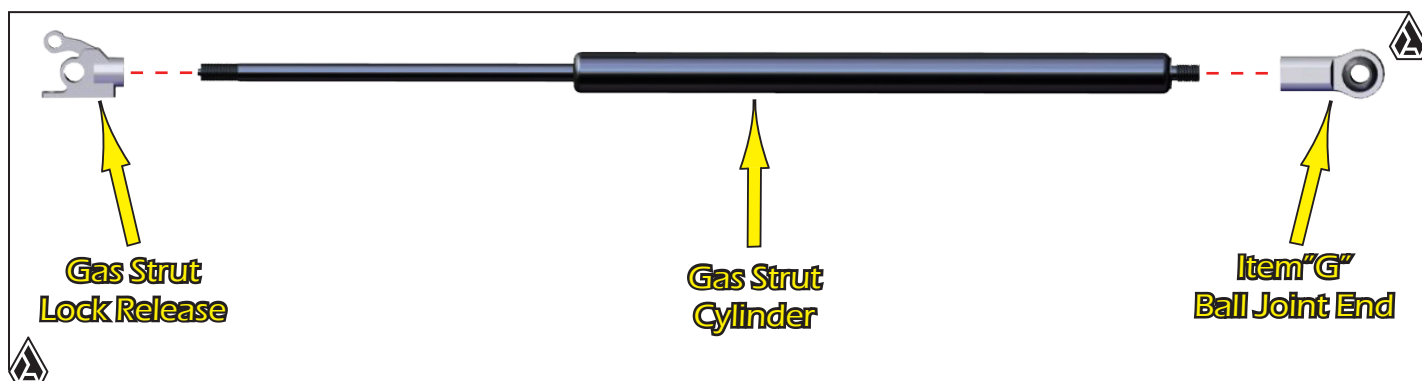


FIG.9

9. Now you can start on the Strut Cylinders. Find a Cylinder as shown in Fig.9. Then you install the **Lock Release** and **Item "G"** onto the ends of it. The Lock Release goes on the long rod side. Install it and secure it tightly. **Item "G"** goes on the short threaded end. Install it and secure it as well. See Fig.9.

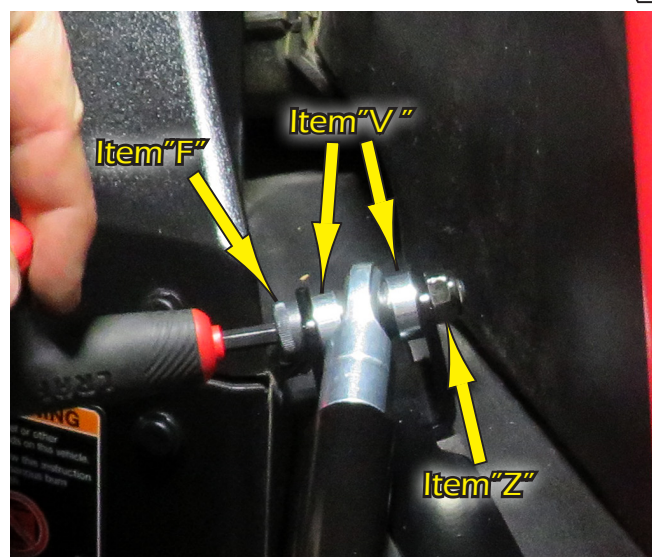
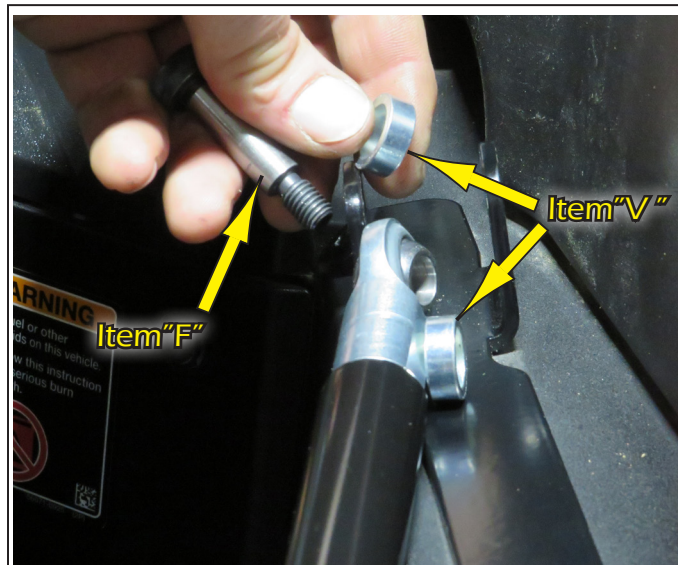


FIG.10

10. After the ends are on the Strut, you can assemble the Ball Joint End into the Spring Mount Bracket by using **Item "F"** Shoulder Bolt, **Item "V"** Spacers and **Item "Z"** M8 Nylock Nut. You will insert the Ball Joint End into the bracket clevis using (2) spacer, **Item "V"**, one on each side of the Ball joint End, and securing with a **Shoulder Bolt Item "F"** and **Nylock Nut Item "Z"** provided in your kit. See Fig.10. Repeat for the opposite side.

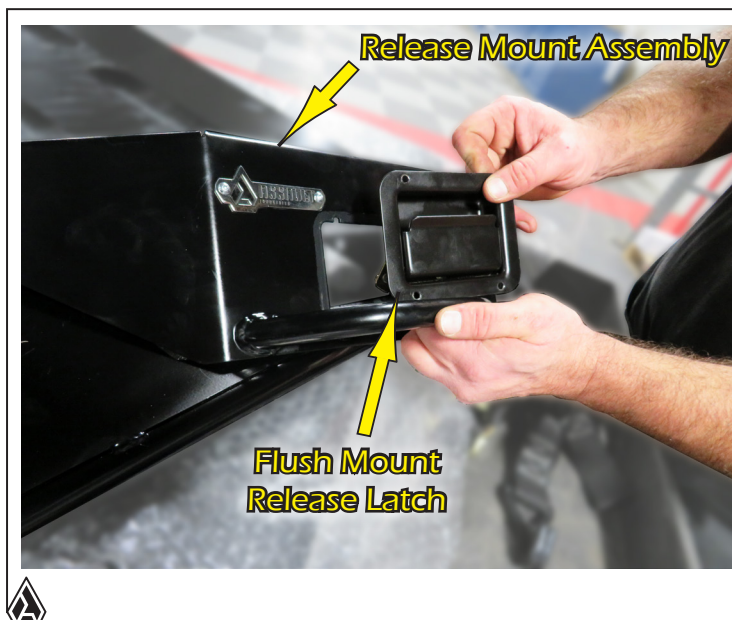


FIG.11A



FIG.11B

11. Next you need to assemble the **Release Mount Assembly**. To do that, find the **Release Mount Assembly** and the **Flush Mount Release Latch** shown in **Fig.11a**. Then insert the Latch into the Mount Assembly and install (2) M4x14, **Item "M"** screws on one side as shown in **Fig.11b**, Ready to flip it over.

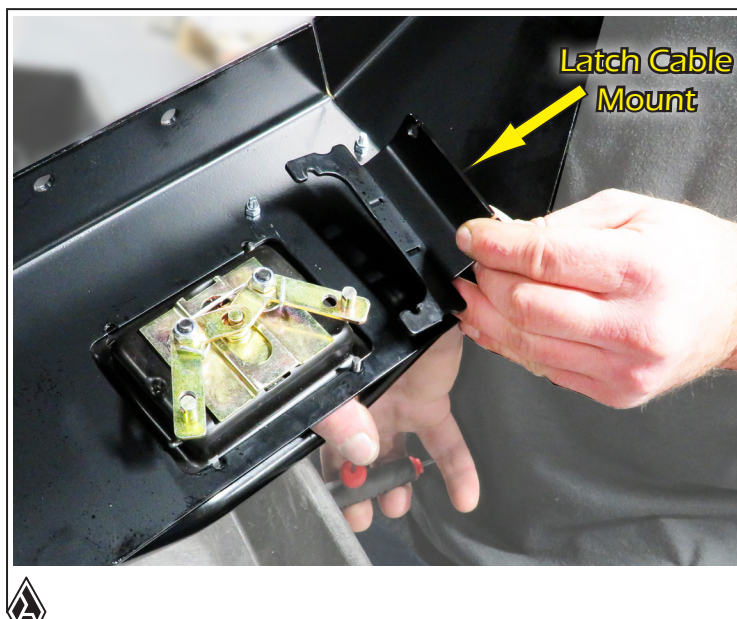


FIG.12A

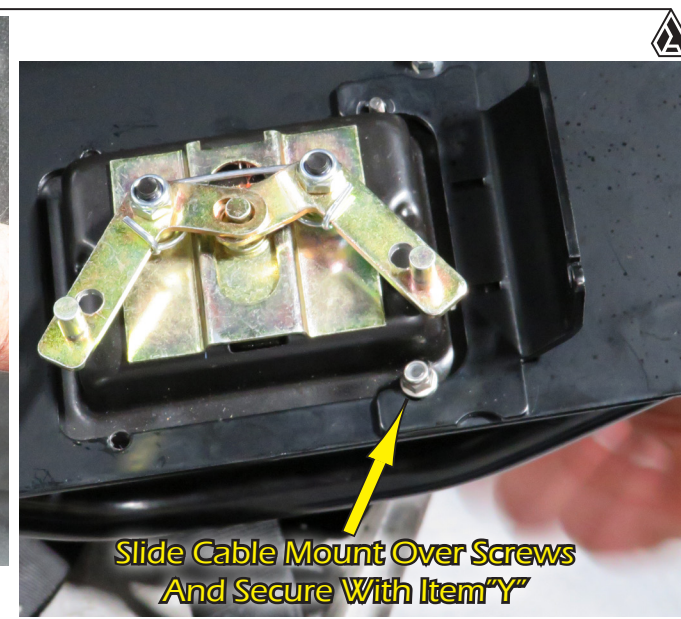


FIG.12B

12. Now flip the whole Release Mount Assembly over holding the Latch in place as shown in **Fig.12a**. Then locate the **Latch Cable Mount** and slide it over the (2) screws coming thru from the other side and secure it down using **Item "Y"** Nylock Nuts. Make sure you mount this on the correct side as shown in **Fig.12b**.

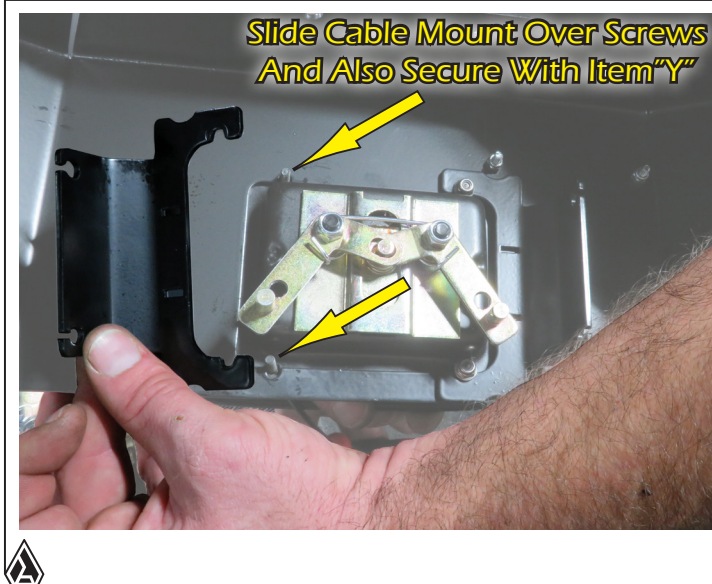


FIG.13A

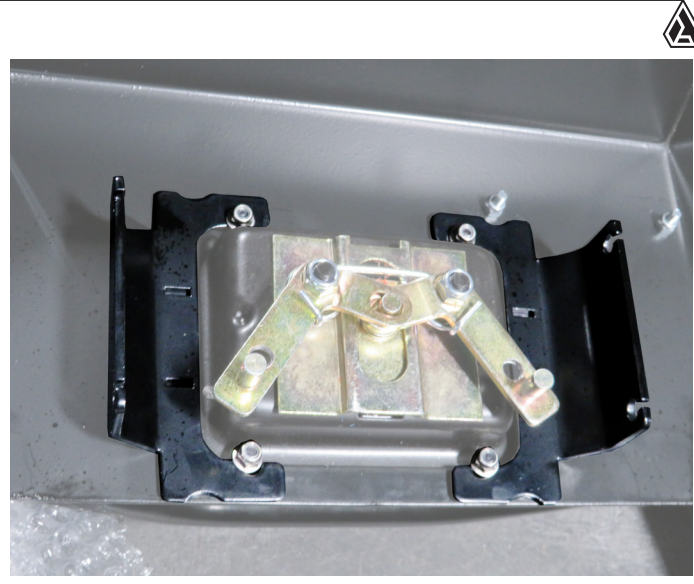


FIG.13B

13. Now do the same for the opposite side of the latch and install the Cable Mount over the screws and also secure With **Item "Y"** as shown in **Fig.13a**. Your Latch Release should look like the one in **Fig.13b**.

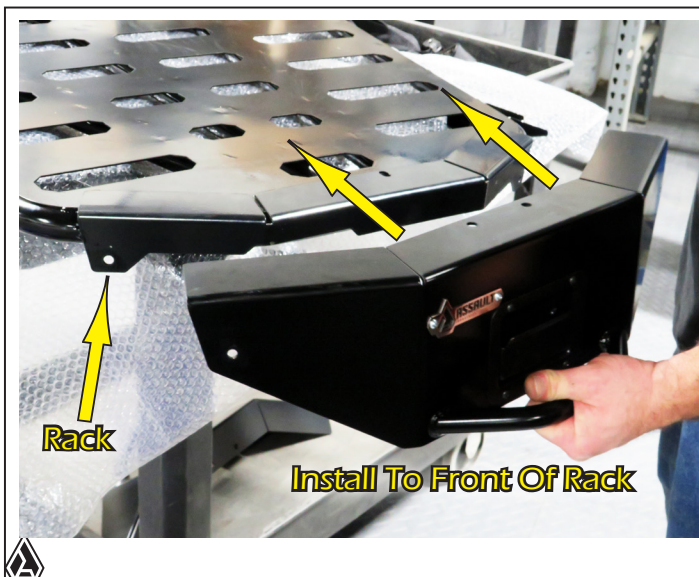


FIG.14A

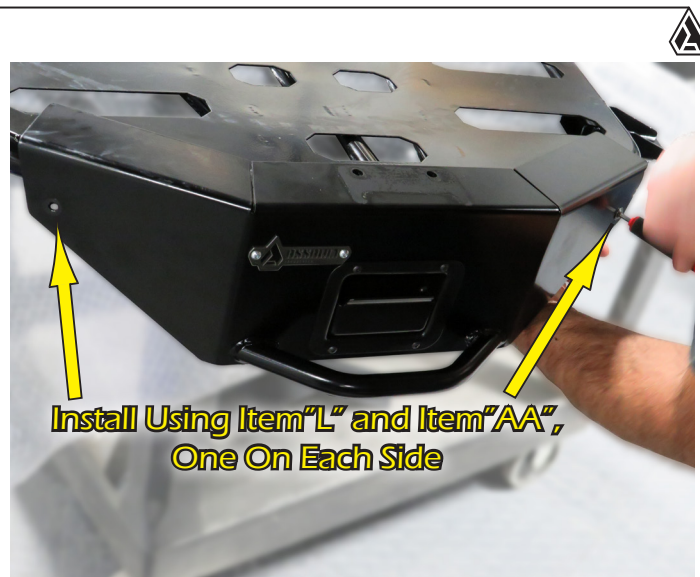


FIG.14B

14. The next thing to do is mount the **Latch Mount Assembly** to the **Rack**, See **Fig.14a**. You will do this using (2) M6x16, **Item "L"** and (2) M6 Nylock Nuts, **Item "AA"** ,provided in your kit, one in each side as shown in **Fig.14b** and secure.



FIG. 15A



FIG. 15B

15. Now locate the **Tie Down Loop Bracket**, See **Fig. 15a**, and install it using (2) M8x25, **Item "O"** and M8 Nylock Nuts, **Item "CC"** and secure it to the assembly. See **Fig. 15b**.

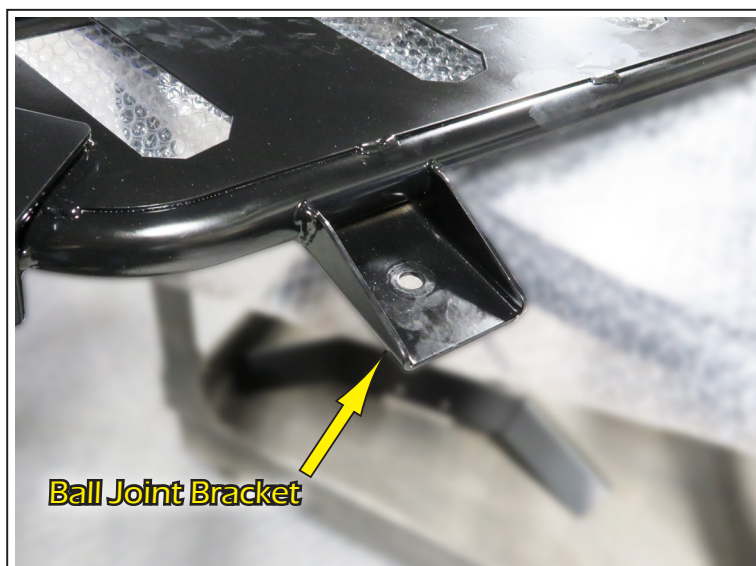


FIG. 16A

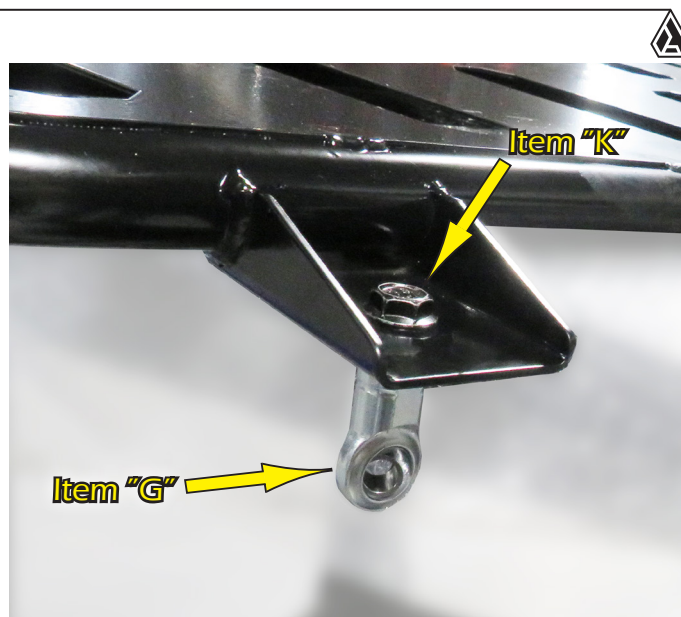


FIG. 16B

16. On each side of the Rack towards the front, you will see a bracket close to the corner that you will install a **Ball Joint** to for the **Gas Strut** to connect to. See **Fig. 16a**. You will install it onto the bracket using Ball Joint **Item "G"** an M10x20 Hex Flange Bolt **Item "K"**, and secure. See **Fig. 16b**.

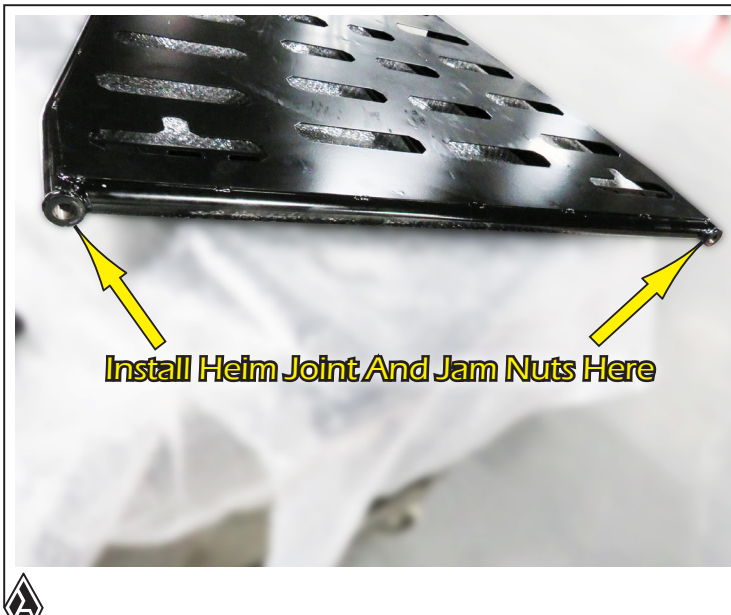


FIG. 17A

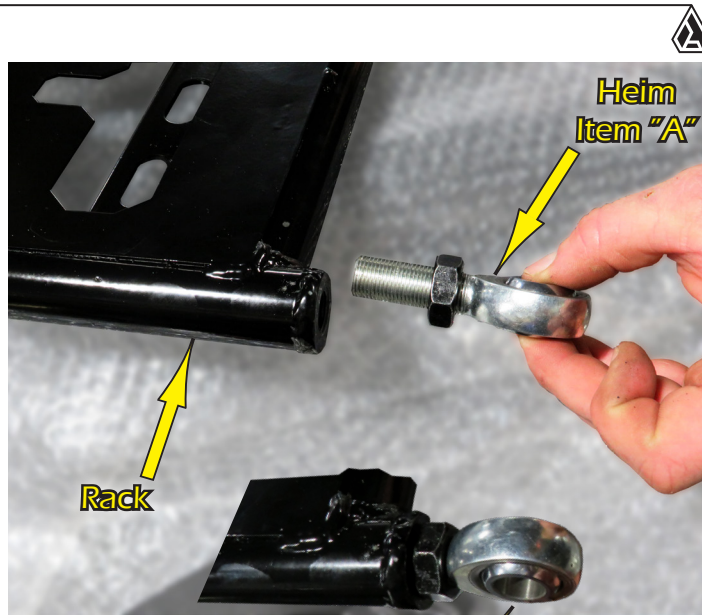


FIG. 17B

Lock Heim In Vertical Position

17. On the back side of the Rack you will install (1) **Heim Joint, Item "A"**, on each side as shown in **Fig 17A**. Screw in Heim as far as you can so that the **Heim is Vertical**, then use the jam nut to tighten the Heim down to the Rack to keep the Heim in that position. Repeat for opposite side. See **Fig. 17b**.

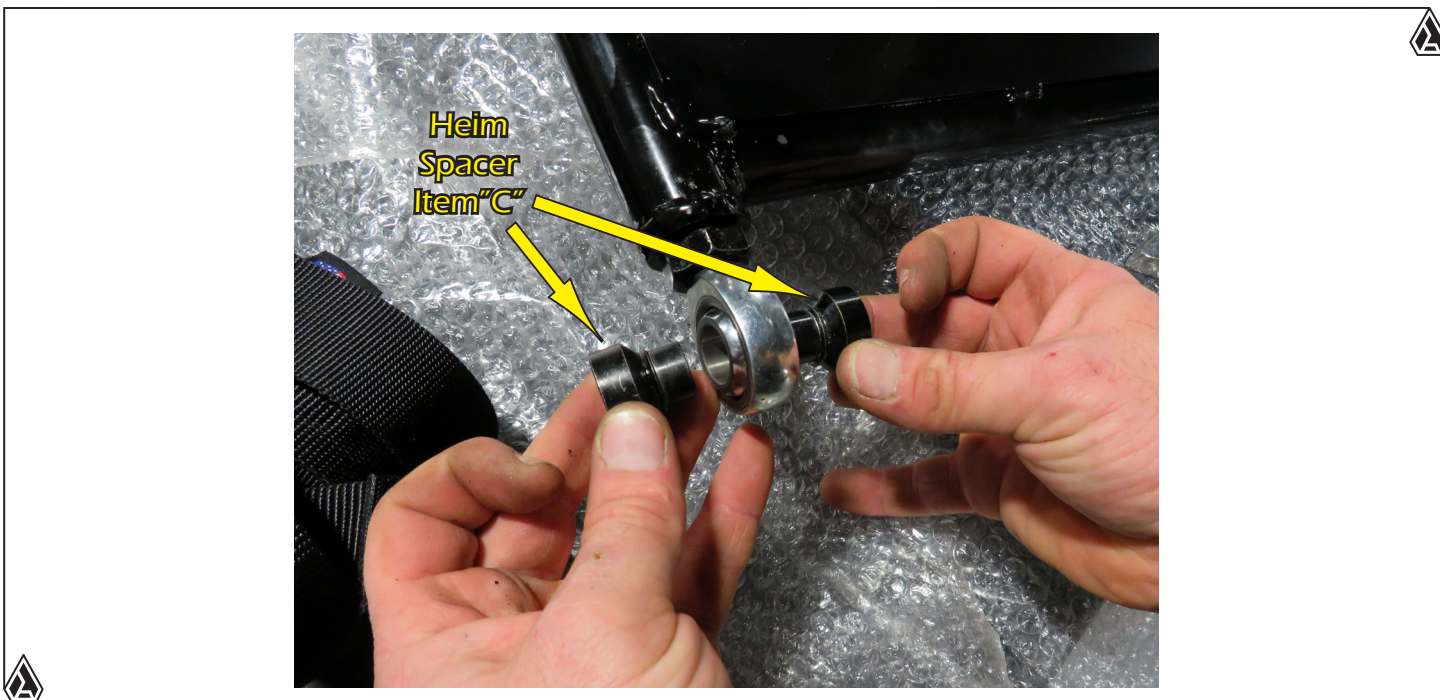


FIG. 18

18. Before installing the Rack into the Pivot Bracket Assembly, you will need to install a **Heim Spacer, Item "C"**, on each side of the Heim. They just slide into each side as shown in **Fig. 18**.

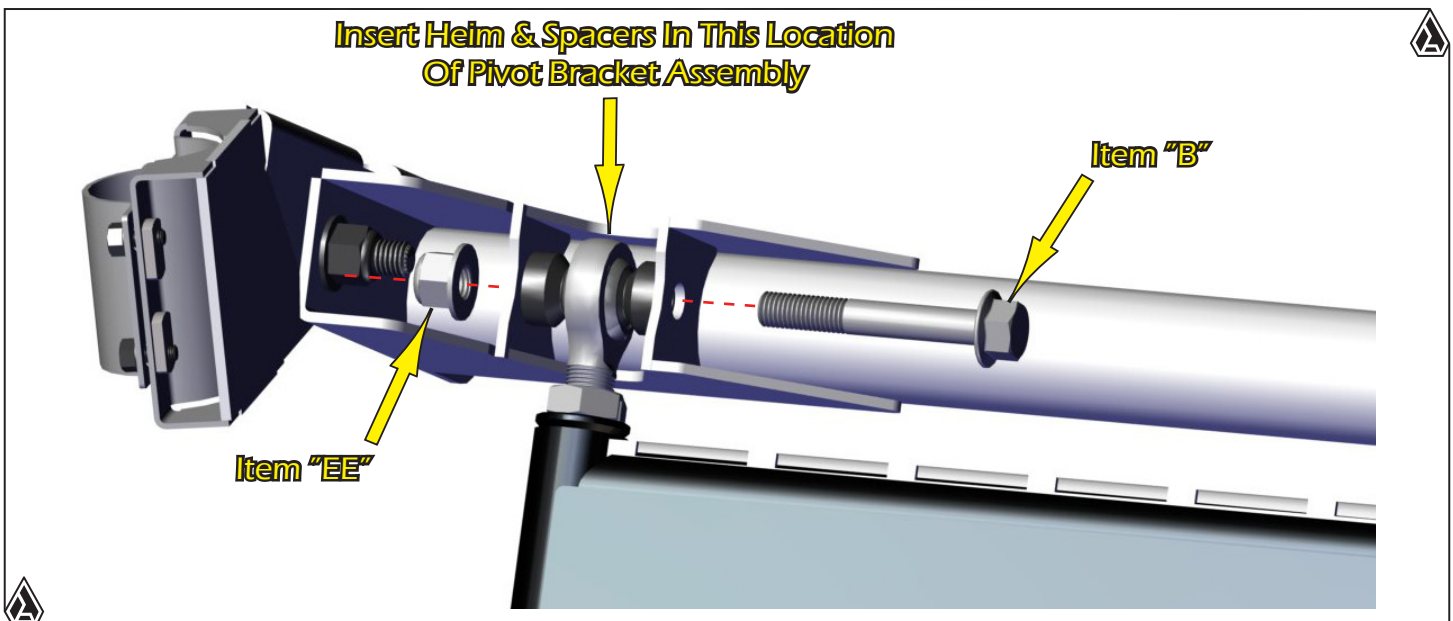


FIG.19

19. Next, you will install the Rack into the Pivot Bracket Assembly by sliding into the space shown in Fig.19 above. Then you will secure it using an M12x80 Hex Bolt, Item "B" and M12 Nylock Nut, Item "EE" provided in your kit and secure. Repeat for opposite side.

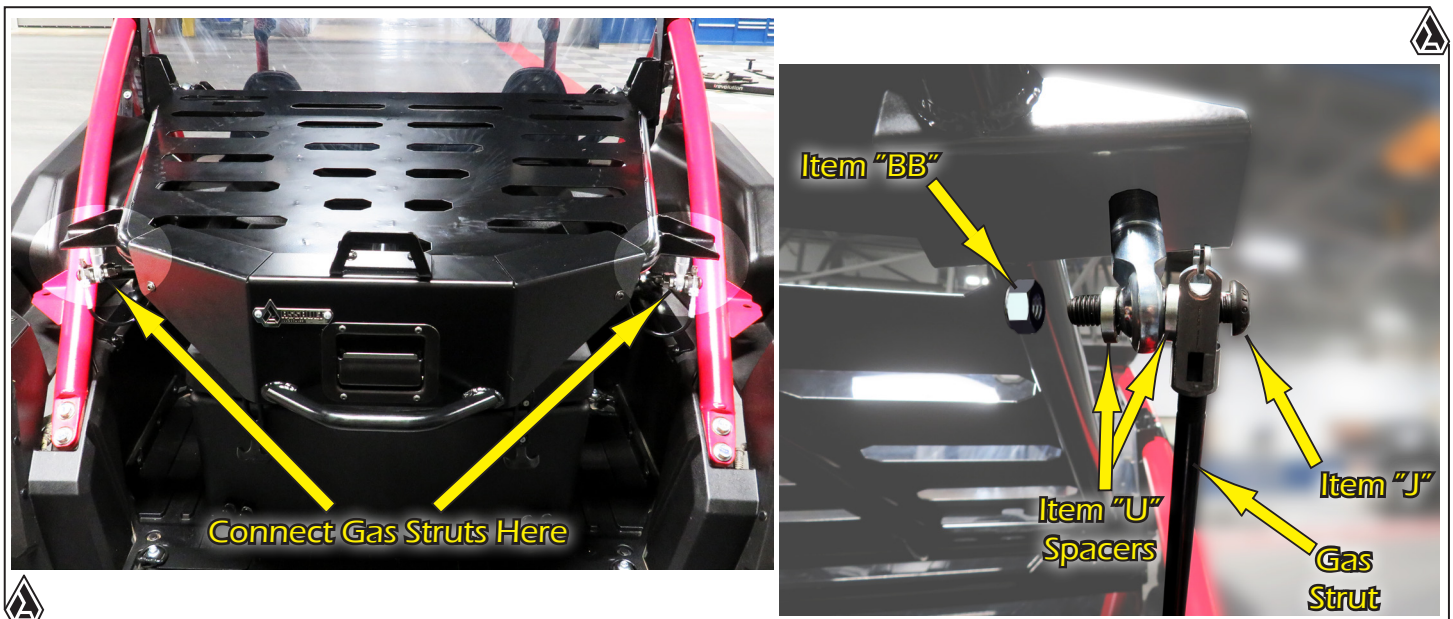


FIG.20

20. Next, you will install the Rack into the Pivot Bracket Assembly by sliding into the space shown in Fig.19 above. Then you will secure it using an M12x80 Hex Bolt, Item "B" and M12 Nylock Nut, Item "EE" provided in your kit and secure. Be sure to install them in the exact order shown in Fig.20. Repeat for opposite side.

Release Cable

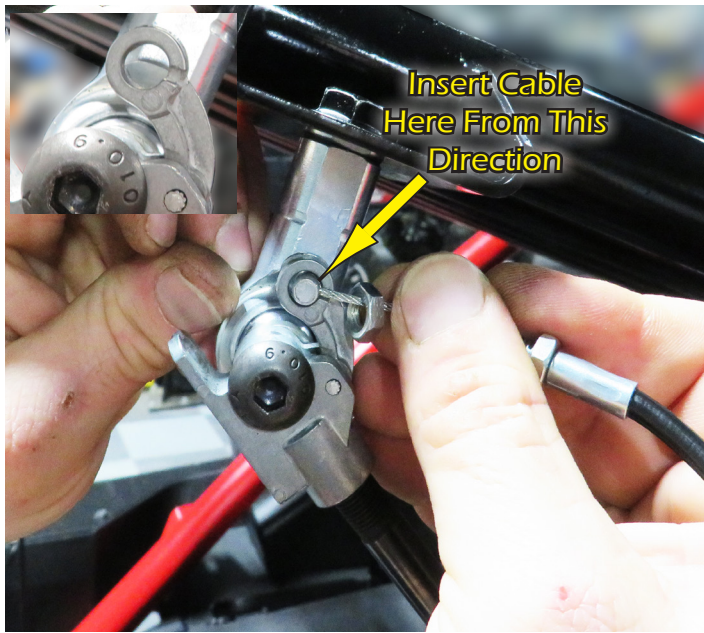


FIG.21A

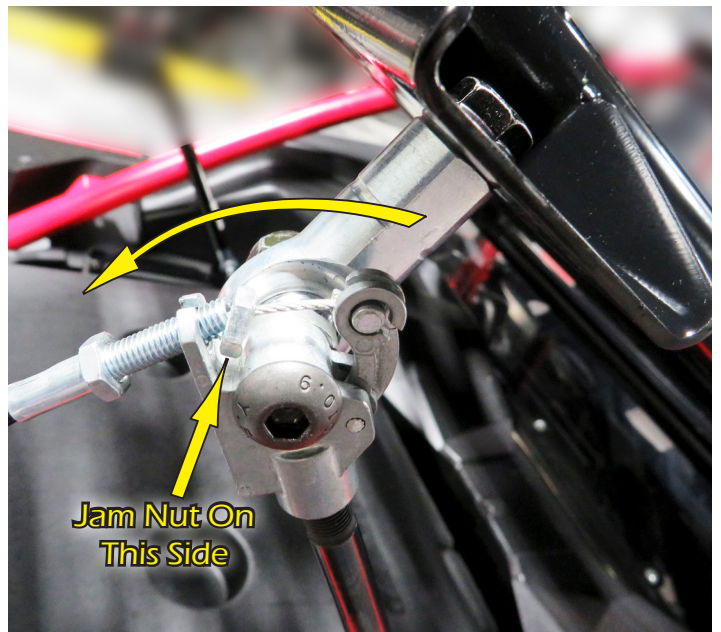


FIG.21B

21. Now you're ready to install the Release Cable. First you will insert the bead end into the clevis retainer as shown in **Fig.21a** and from the direction shown as to allow the cable to enter the slot. Then pull the cable up and towards the back so that the clevis fully retains the cable bead as shown in **Fig.21b**.

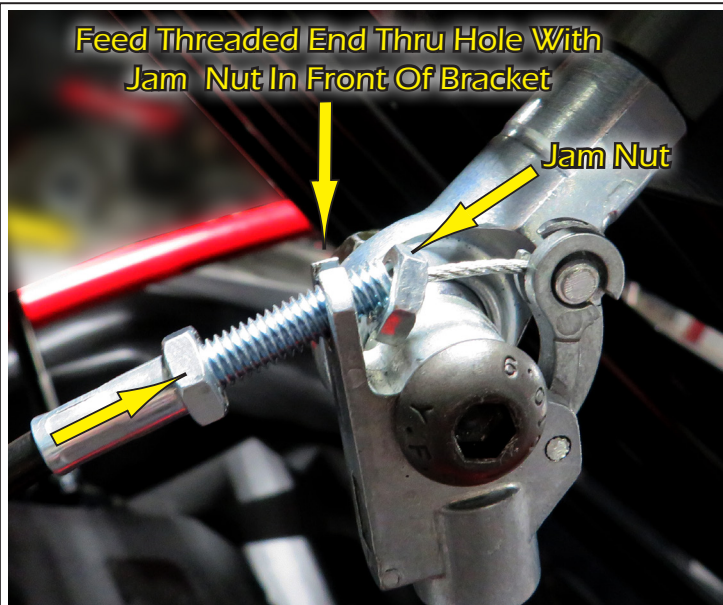


FIG.22A

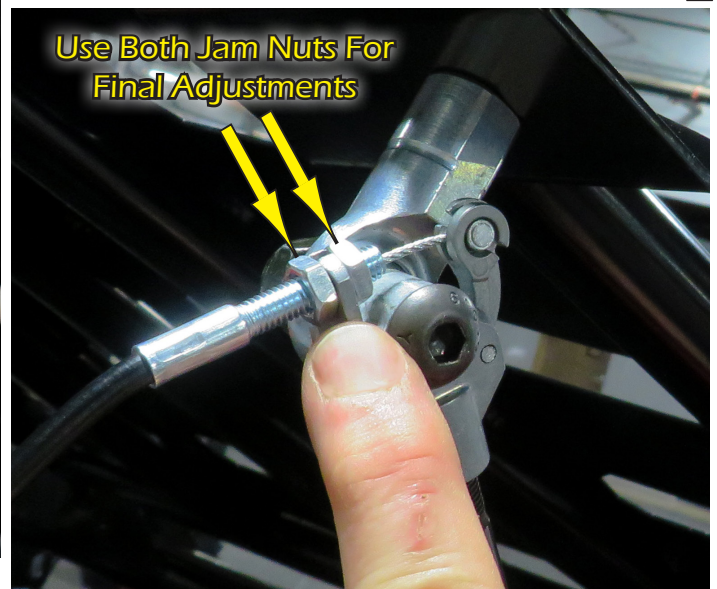


FIG.22B

22. Now spin off the front **Jam Nut** and pull the cable casing back so you can feed the threaded end back thru the hole in the bracket with the jam nut in front as shown in **Fig.22A**. You will need to use both jam nuts to make your final adjustment and desired tension. See **Fig.22b**. Same for both sides.

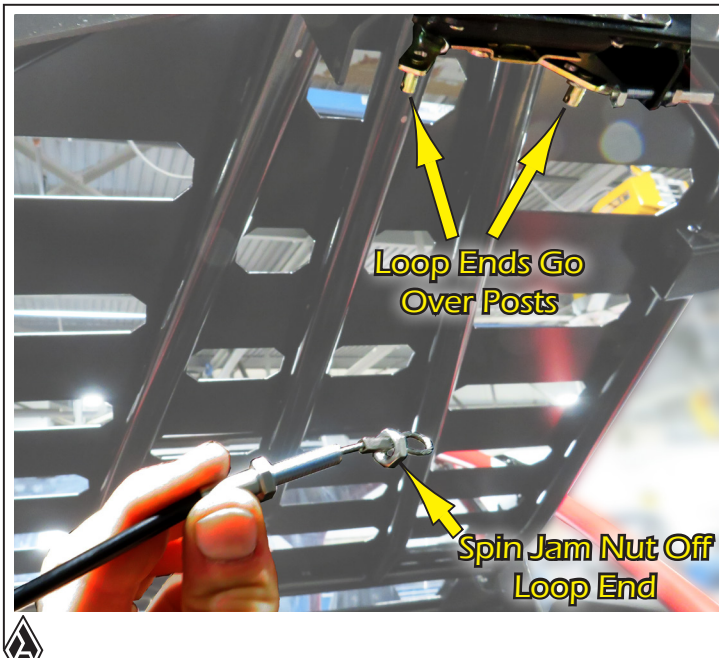


FIG.23A

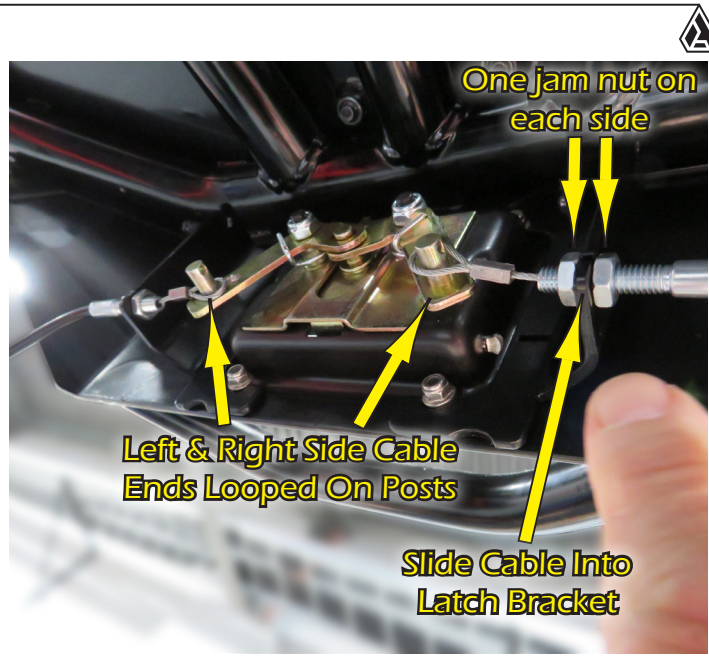


FIG.23B

23. You'll now hook up the opposite end of the cable to the latch assembly. Again, spin off the Jam Nut on that side as shown in Fig.23a. You will place the Loops around the posts coming from the latch assembly also shown in Fig.23a. Fig.23b shows both cable loops over the latch posts. Also make sure that you slide the cable into the latch bracket with one jam nut on one side of it and one on the other side also shown in Fig.23b.

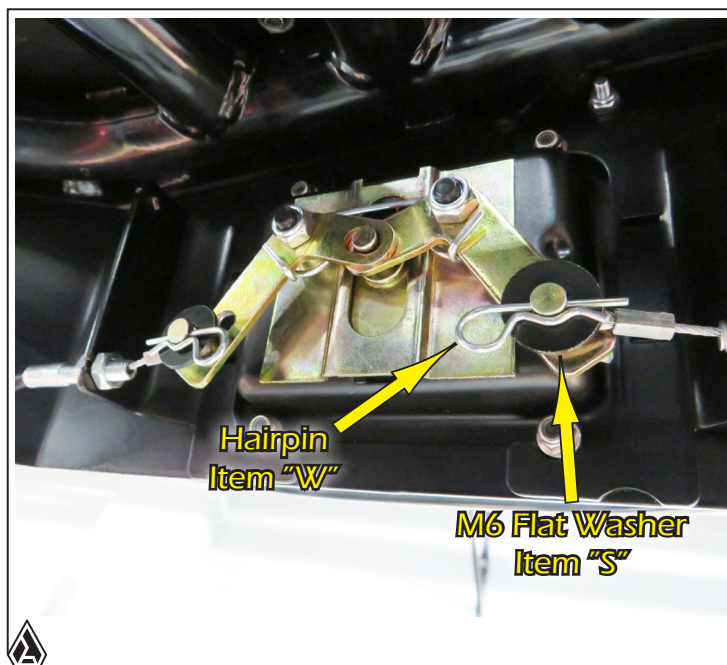


FIG.24A



FIG.24B

24. After you have looped both cables to the posts of the latch assembly, secure each one by using the M6 Flat Washer, Item "S", and then the Hairpin Clip, Item "W" provided in your kit as shown in Fig.24a. Fig.24b shows cables hanging freely. You will need to clamp them up out of the way in the next step.

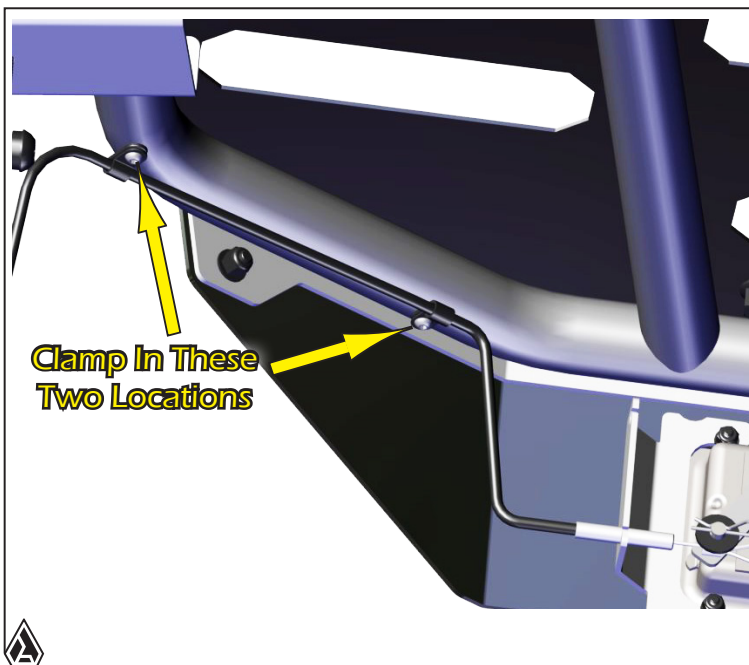


FIG.25A

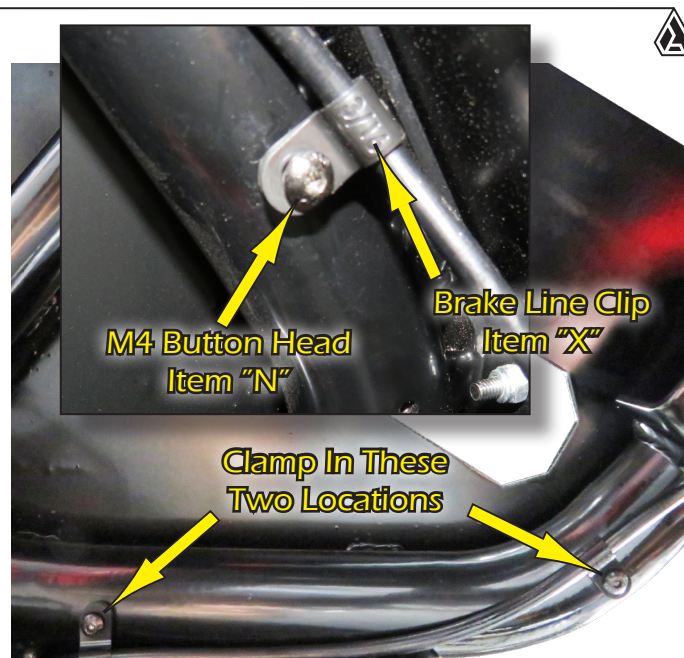
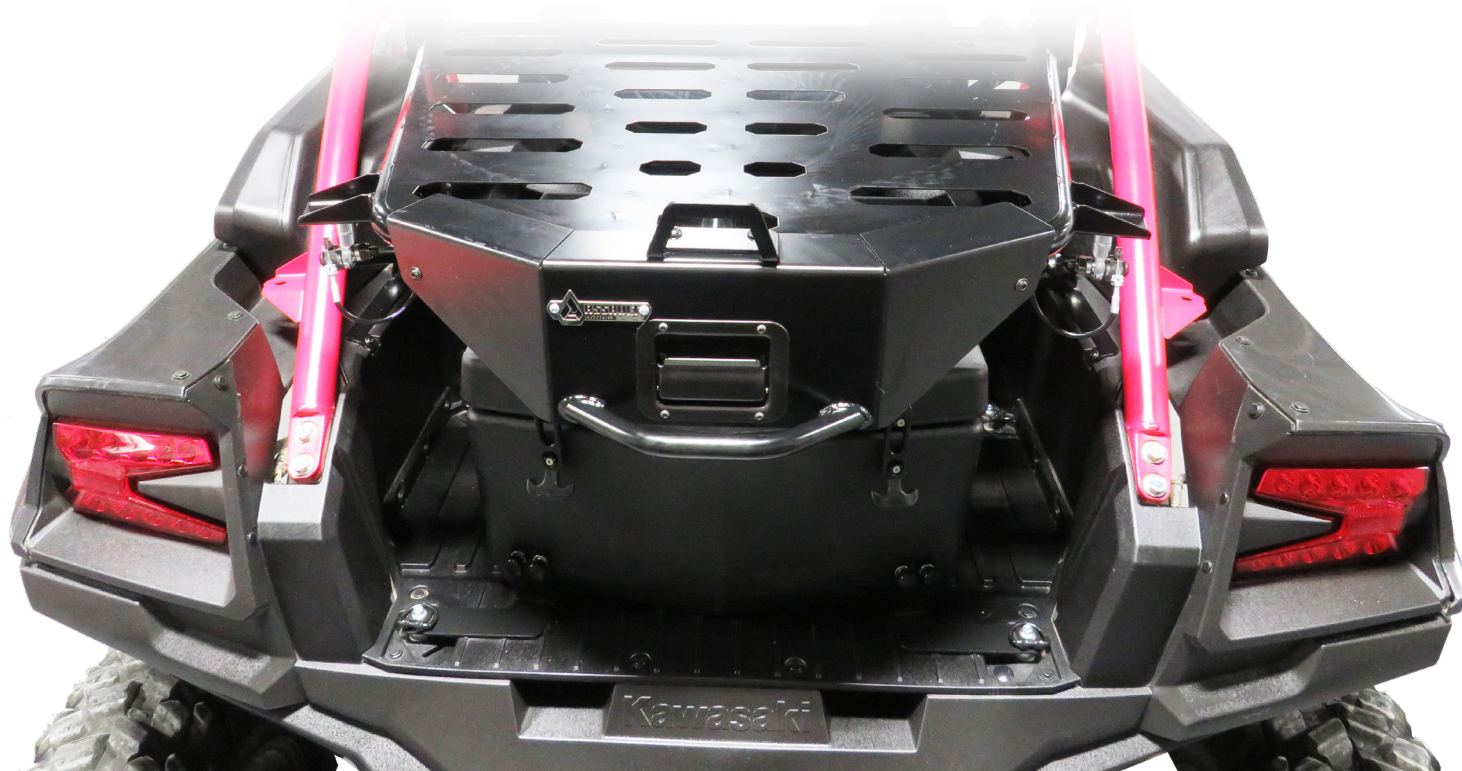


FIG.25B

25. The last thing to do is tie up the cables so they don't get in the way or damaged. You'll do this by clamping them to the rack frame using an **M4 Button Head Screw, Item "N"** and a **Brake Line Clamp, Item "X"** provided in your kit. **Fig.25a** shows the two locations on each side you will clamp to. **Fig.25b** shows this on more detail and also the hardware from your kit to use mentioned above.

Done!



MAKE SURE THAT ALL BOLTS AND NUTS ARE TIGHT AND SECURE.
PLEASE CONTACT ASSAULT INDUSTRIES FOR QUESTIONS REGARDING SPECIFICATIONS
OR ANY OTHER QUESTIONS YOU MAY HAVE. THANKS!



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