



450 South Porter Road  
Dixon, CA 95620

## Assembly of the Weapons Retention System

### Horizontal Across

This Horizontal Across Weapons Retention unit was designed to utilize the existing roll cage as a means to secure your favorite firearm in your off-road vehicle. This systems extends on our Modular Roll Bar Rack Mounting system which offers a solid foundation for attaching our Weapons Retention Unit within your vehicle.

**⚠ Warning!**

**At all times it up to the end user of this product to be aware of and to conform to all local, state, and federal laws in regards to firearm storage in a vehicle.**

**⚠ Warning!**

**Always check that the firearm is UNLOADED before storing the firearm.**

**⚠ Warning!**

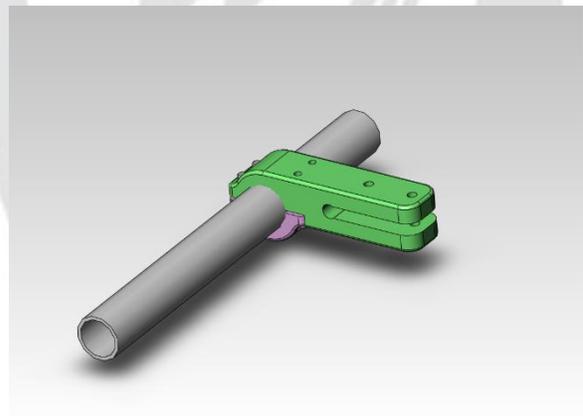
**Never carry a loaded firearm in a vehicle.**

**⚠ Caution!**

**It is important to note that while this Weapons Retention Unit System can accept a wide variety of firearms, it must be understood that this system needs to be set-up during installation for a specific firearm. This will ensure safe storage of the firearm while in-transport.**

#### Step 1. Mount the Roll Bar Clamps

Mount the Roll Bar Clamps onto the roll bars using the supplied 3/8" socket head cap screws. There are two different cap screws for this. On some vehicles extra clearance was needed between the hardware and the doors when they were closed, therefore low profile heads have been supplied. Tighten the hardware just tight enough to secure the roll bar camp in position but loose enough to be able to rotate the roll bar clamp for alignment later as needed.

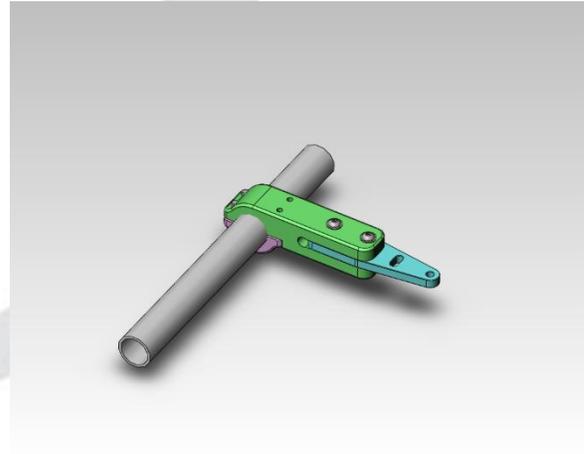




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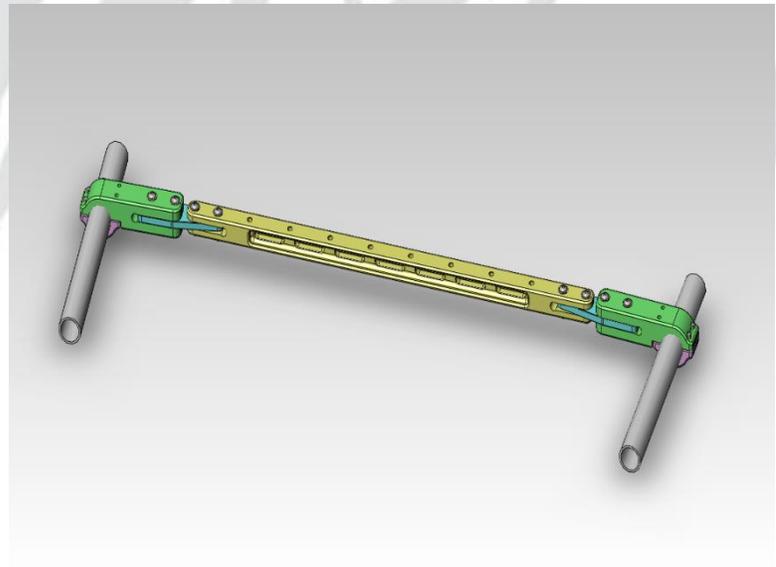
### Step 2. Insert the Pivot Plates

Insert the pivot plates into the roll bar clamps. Use two  $3/8'' \times 2 \ 3/4''$  bolts to secure the plates. Don't worry about fully tightening the bolts at this time.



### Step 3. Insert Cross Bar.

Rotate the roll bar clamps and pivot plates as necessary for the pivot plates to slid into the slots on the cross bar. Use the  $3/8'' \times 2 \ 1/4''$  bolts to secure the cross bar onto the pivot plates.





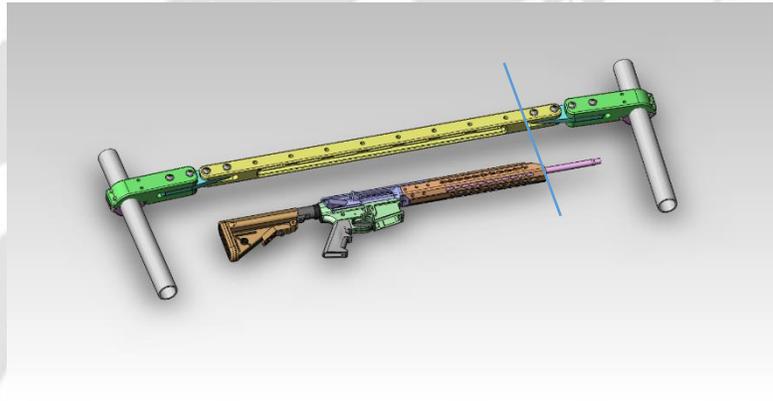
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#### Step 4. Final Alignment of Modular Roll Bar Rack System.

At this time it is good to loosen all of the hardware so that final adjustments can be made to the assembly. Align both of the roll bar clamps evenly along the roll bar as necessary, and align the cross bar evenly between the roll bar clamps. Snug the roll bar clamps down and fully tighten the hardware that secures the cross bar. You can also fully tighten the hardware that secures the pivot plates. Loosen the roll bar clamp bolts individually and apply a small patch of thread locker to the threads and re-insert the screw into the roll bar clamp. Repeat this for all of the roll bar clamp bolts. Now evenly tighten the bolts.

#### Step 5. Installation of the Weapons Retention Unit.

Now that assembly of the Modular Roll Bar Rack System has been completely installed in the vehicle we can proceed with the installation of the Weapons Retention Unit. Place the firearm next to the cross bar so that we can develop a good reference point for installing the Barrel Grommet Bracket and associated Attach Brackets. The



Barrel Grommet Bracket will prevent the firearm from shifting to far in one direction. Find the transition point from the barrel to the handguard (or front sight post or the forearm) that will prevent the barrel of the firearm from passing further through the Barrel Grommet Bracket. This transition point is where we want to approximately install the Barrel Grommet Bracket (Note the Blue line in the image above).

#### **⚠ Warning!**

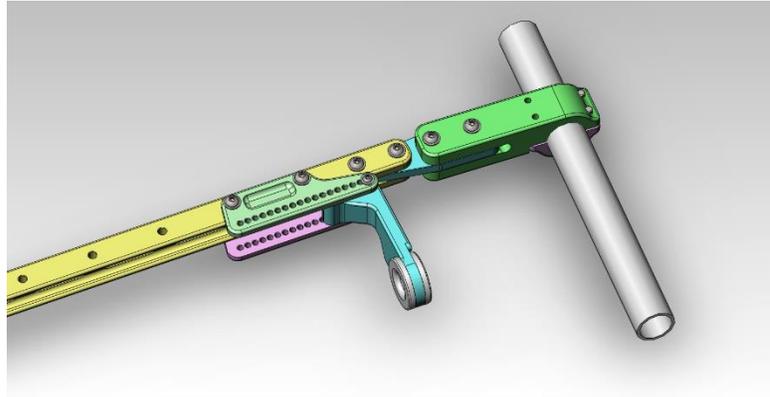
**Always check that the firearm is UNLOADED before handling.**



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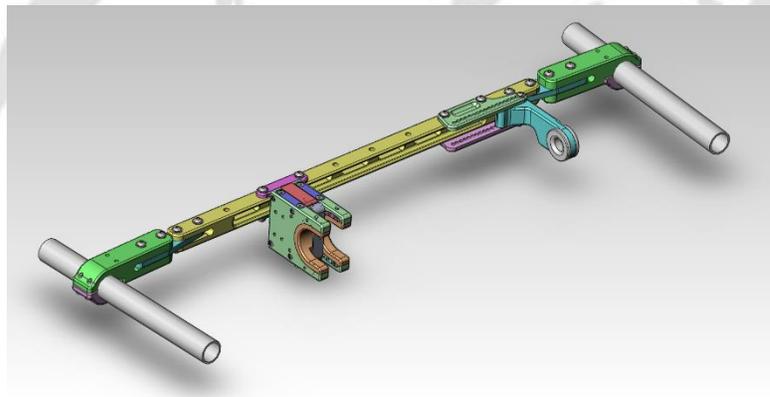
### Step 6. Installation of the Barrel Bracket and Attach Brackets.

Using the reference line from Step 5, we will secure the Barrel Grommet Attach Brackets to the Cross Bar using two  $\frac{3}{8}$ " x 3" bolts. There are a series of  $\frac{1}{4}$ " diameter holes that allow for the Barrel Bracket to be adjusted to better fit the firearm. At this point we want to insert the Barrel Bracket in between the Barrel Grommet Attach Brackets and secure using the two  $\frac{1}{4}$ " x 2  $\frac{3}{4}$ " bolts.



### Step 7. Install WRU and Attach Brackets.

Install the WRU Attach Brackets onto the Cross Bar via the two  $\frac{3}{8}$ " x 3.00" bolts. Place the Weapons Retention Unit up against the Attach Brackets and secure the WRU with the four  $\frac{1}{4}$ " x 1  $\frac{1}{4}$ " bolts. Once this is complete, place the firearm in the rack to confirm the location of the WRU and Barrel Bracket. There should be good securing contact between the WRU and the Barrel Grommet Bracket to prevent the firearm from being manipulated out of the assembly. If necessary adjust the position of Barrel Grommet Bracket and or the WRU in order to safely secure the firearm.

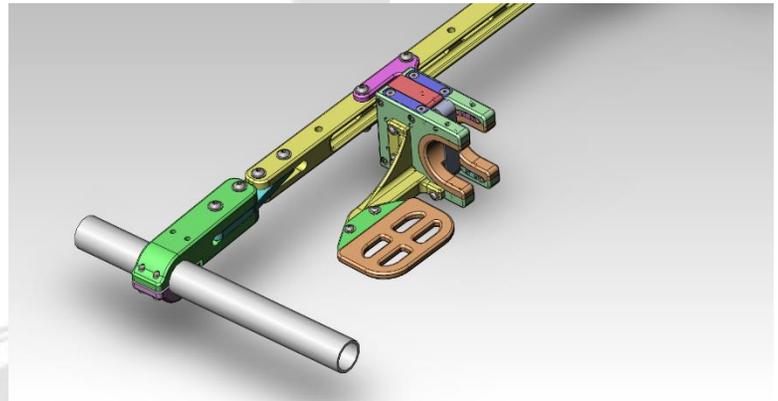




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**Step 8. Installation of the Rear Anti-Rotation Bracket and Paddle.**

Install the Rear Anti-Rotation Bracket on the side of the WRU using the three  $\frac{1}{4}$ " x  $\frac{7}{8}$ " bolts. Then install the Paddle onto the bracket with the two  $\frac{1}{4}$ " x  $\frac{3}{4}$ " button head screws.

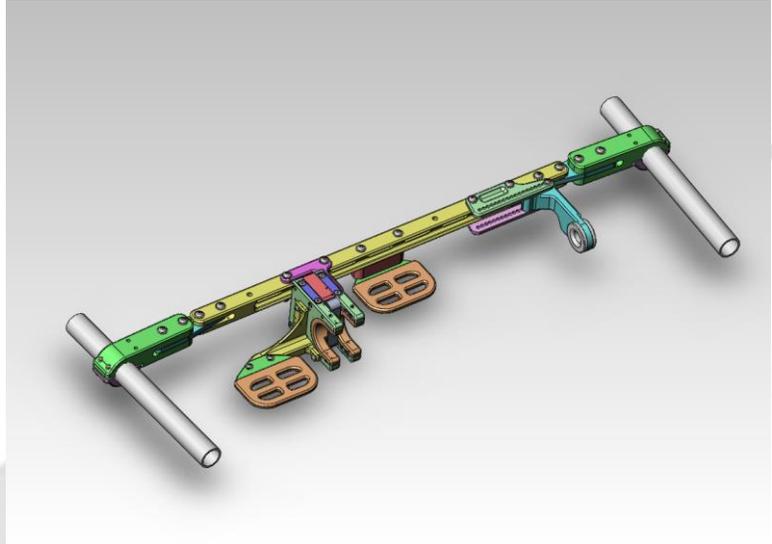




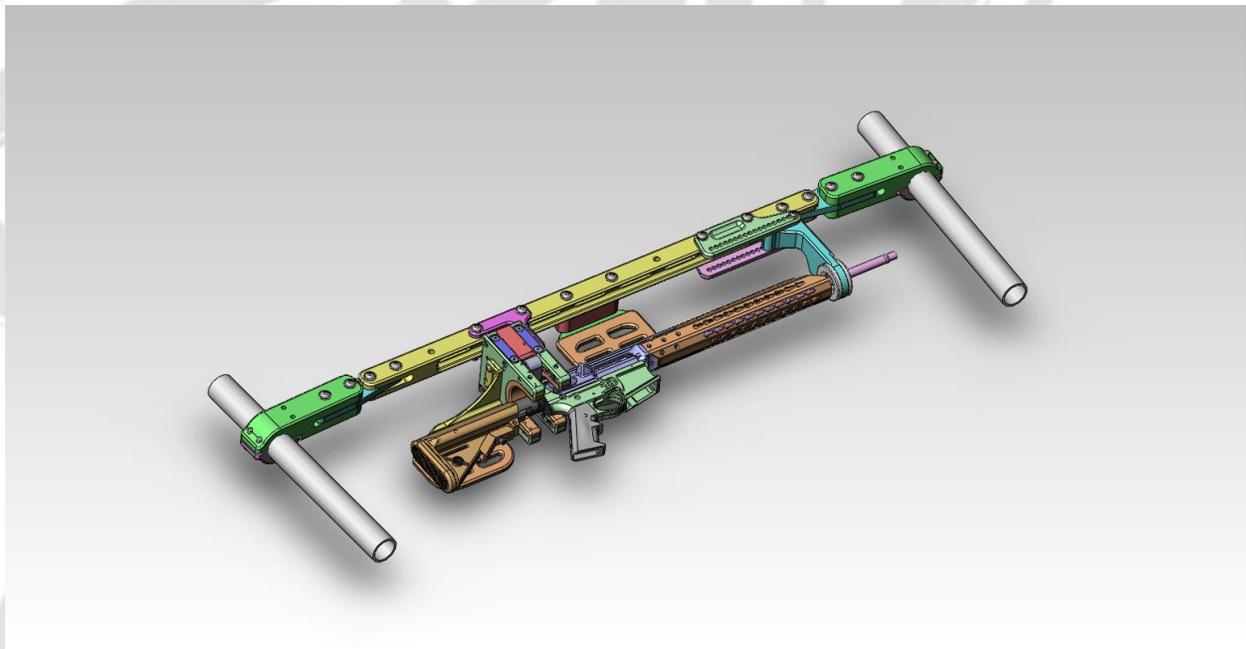
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### Step 9. Installation of the Front Anti-Rotation Bracket and Paddle.

Install the Front Anti-Rotation Bracket onto the Cross Bar using the two 3/8" x 2" bolts. Then install the paddle onto the bracket using the two 1/4" x 3/4" button head screws.



### Step 10. Installation Check.



At this time all of the brackets and hardware should be installed. We need to confirm that that all of the hardware is secure and fastened tightly. Place the firearm in the rack to confirm location of the components. The Anti-Rotation paddles should prevent the firearm from rotating within the WRU, maintaining a horizontal position of the firearm within the system. Confirm again that firearm is secure within the rack and that the firearm CANNOT be jarred loose. Congratulations, you have successfully



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complete the assembly of the Horizontal Across Weapons Retention Unit. It is always good practice to maintain this system by periodically checking the hardware and system components for looseness and or wear to make sure that everything stays safe and secure.

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