# STINGRAY ROOF INSTALLATION INSTRUCTIONS

### PRIOR TO ASSEMBLY

Some components of the StingRay are pre-assembled for easier shipping but also easier assembly. Where fasteners are pre-assembled into various parts or assemblies it is because that is where those fasteners go, so you don't have to hunt through a bag full of parts. The center frame will have to be dismantled by removing the four screws that old on the top and bottom panels. You will also need to remove the inner roller brackets on this frame (see photo at right) and keep the hardware with them, but discard the two white plastic spacers shown. They are only for shipping.



### STEP 1

Attach the roll hoop blocks to the top of the roll hoops and tighten.





### STEP 2

Attach the roll bar plates using only the inner bolts. Leave them slightly loose for future adjustment.



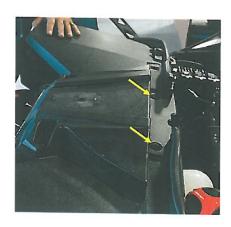
### STEP 3

Install the rear outside roller assemblies, and leave them a bit loose for later adjustment.



# STEP 4

Go to the front and remove the two bolts at the center front of the dash underneath the windshield (see photo at right).



### STEP 5

Slide the large dash support plate up under the dash (pulling up on the front plastic helps you to slide it up underneath that front ledge).





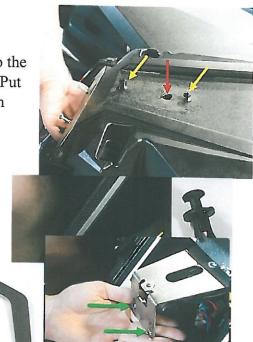


# STEP 6

Run two M6 screws through the top of the dash and set them into the dash support plate to hold it in place (do not fully tighten these). Put back in the two front bolts into the dash lip but don't fully tighten these yet.

# STEP 7

Remove the plastic push pins down inside the bottom of the radio compartment then set the



horseshoe support bracket feet over these two holes and at the top of this bracket fasten it with the two flange bolts to the under-dash support plate (see green arrows shown below). DO NOT TIGHTEN these two flange bolts yet. Put the plastic push rivets back in through the feet of the horseshoe bracket then tighten the front dash lip screws (at the engine compartment). The two flange bolts holding the horseshoe bracket to the dash support bracket should still be loose.

### STEP 8

Remove the two M6 screws in the top center of the dash to prepare for the front support post. Drill a hole through the center of the dash (see Step 6 photo) using the provided template and run the front support wire through the hole down under the dash.

Once the wire is fed through then tighten the front post down to the underdash support with the M6 button socket screws. NOW go back through the radio opening and make sure the horseshoe bracket is down as much as possible relative to the under-dash plate and do

the final tightening of the two flange bolts there (push up gently on the front support post and hold until you tighten the flange bolts). The idea is to make sure that the under-dash support structure as rigid as possible.

Attach the two wires to the back of the glove box charging port.









### STEP 9

The center rail assembly gets set on top of the roll bar plates at the back, and on the front support post. Be sure to feed the front post wire up into the center assembly before fastening it down to the front support. Go ahead and install the front screws up from underneath the front post into the top rail assembly and tighten them up. At the very back ONLY go ahead and attach the two rear-most bolts, but do not fully tighten. You will be making some adjustments here soon.



### STEP 10

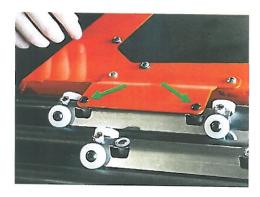
Before installing the canopies you first have to pull back the two spring-loaded wheels on the outer roller assemblies and lock them upward into their notches (may already be set that way from the factory). Both upper rollers must be set up into their notches to allow you to insert the canopy rails.

Set a canopy onto the front carriage at a bit of an angle so that you can slide the rear into the rear roller assembly. Be careful that you tuck them up underneath the horizontal bracket in the middle that holds the top plate.









Then install the front two screws onto the center carriage assembly and completely tighten those up. Do the other side.

#### STEP 11

Attach the latches up underneath.

#### STEP 12

Install the inner roller assemblies at the roll hoops by first inserting two screws from back to front as shown in this photo. Set the



roller brackets onto the rails and onto the screws by overlapping the smaller bracket onto the larger. *They would have come pre-assembled that way.* Do not tighten the screws fully yet, leave them just a little snug. Test the rolling action and make sure the rails run evenly through the bearings. At this point you can release the spring-loaded bearings that you locked out earlier on the outer rollers.

You do not fully tighten the underside the inner roller assemblies because as the next step you adjust them from the rear. Go to the back of the vehicle and take a look at how level the canopies are with the horizontal mounting bar. Tweak the inner roller assembly brackets bumping them up or down or twisting left and right until you've got everything nice and level at the back then tighten.



### STEP 14

The underside lights panel goes on with two screws in the back and two in the front. Make sure you feed the wire through the front of the rail assembly to connect it to the front wiring harness.



### STEP 15

The front Twist cover plate gets inserted into the front of the rail assembly and then the top panel goes on (partially slides on from the front, meaning you can't sit it directly down in place because of its wedge shape). The front screws will fasten both the top panel and the front insert simultaneously. Use the M5 x 25 Phillips screws at the back of the top panel to fasten it down and make those screws snug, but don't over-tighten. that's it I'll latches have to be tested after after the canopies are.