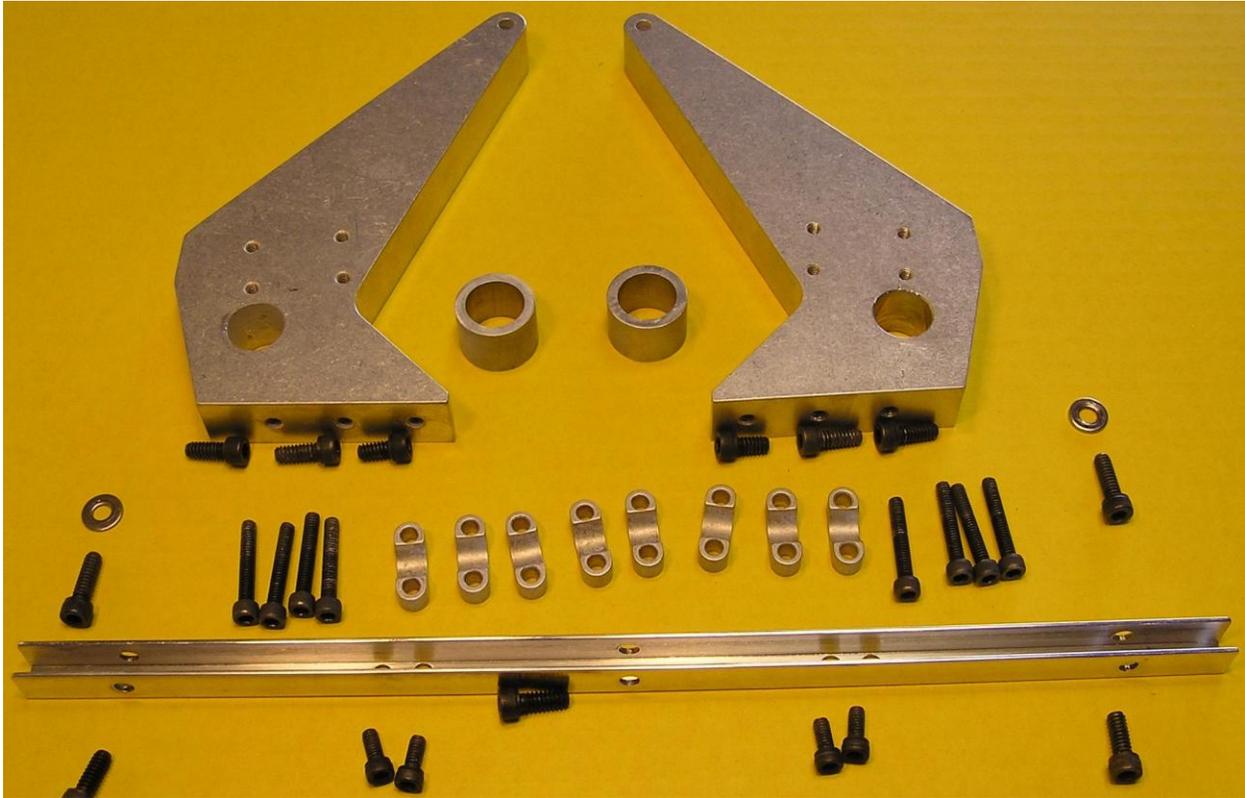


Instructions for installing Raco Jac-Rabbit Aluminum Shock Towers

Parts Needed For The Installation.



2 - Shock Towers

2 - 5/8" Spacers

8 - Clamp Halves

1 - Bumper Frame

2 - 10-24 X 5/8 Cap Screws

7 - 10-24 X 1/2 Cap Screws

2 - 10-24 X 3/8 Cap Screws

2 - 10-24 Washers

8 - 8-32 X 1 Cap Screws

4 - 8-32 X 3/8 Cap Screws

Tools Needed For Installation



Drill

5/32" Drill Bit

Snap Ring Tool

5/32" Allen Hex Key

9/64" Allen Hex Key

Ruler

Clamp

ATTENTION!!!! YOU WILL ALSO NEED TO MODIFY YOUR EXISTING BUMPER AND POSSIBLY YOUR EXISTING CAR BODY!!!

You will need a Demel Tool or a tool of your choice for the modification. I will go over this in the installation instructions.

INSTALLATION

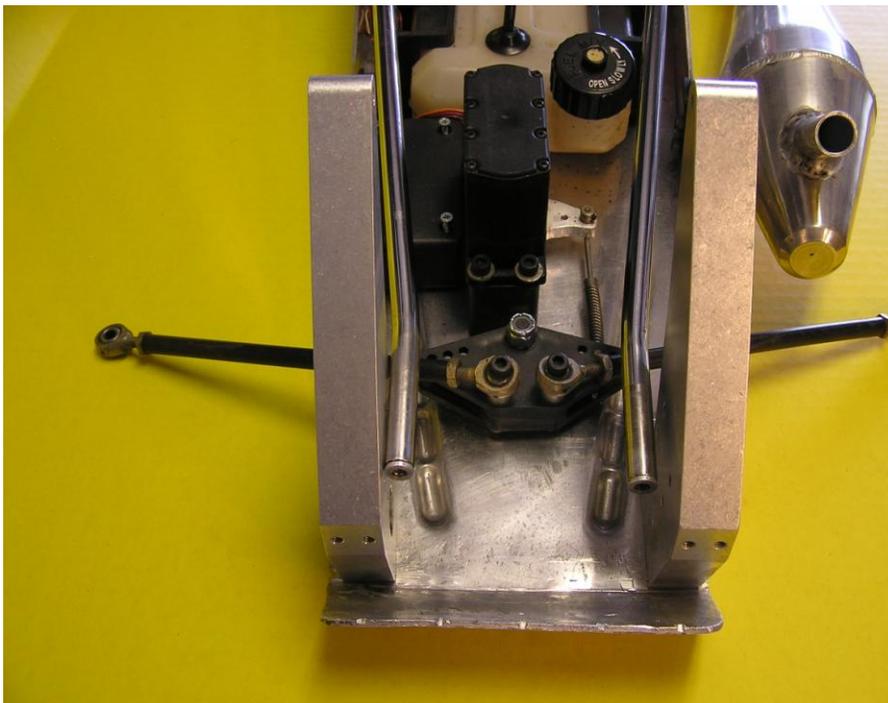
Step 1

Remove all existing Jac- Rabbit parts from the front end. This is what your car should look like when you are ready to install the Shock Towers (I hope your Floor Pan looks better)



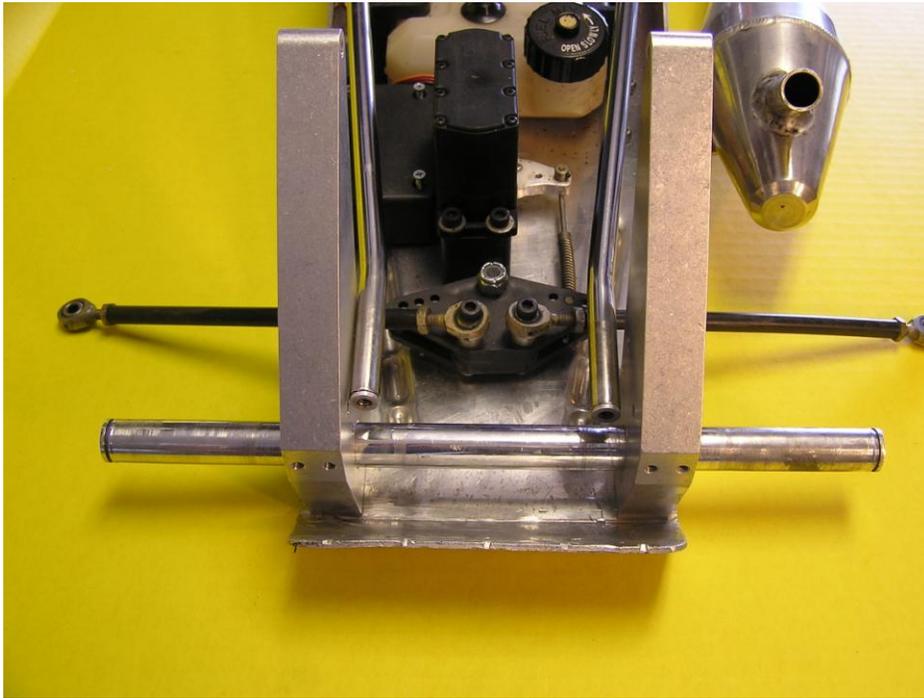
Step 2

Install Shock Towers using 1, 10-24 X 3/8 Cap Screw in the rear hole of each Shock Tower. Use 2, 10-24 X 1/2" Cap Screws in the two front holes of each Shock Tower. DO NOT TIGHTEN. Leave them barely snug so the Shock Towers can move.



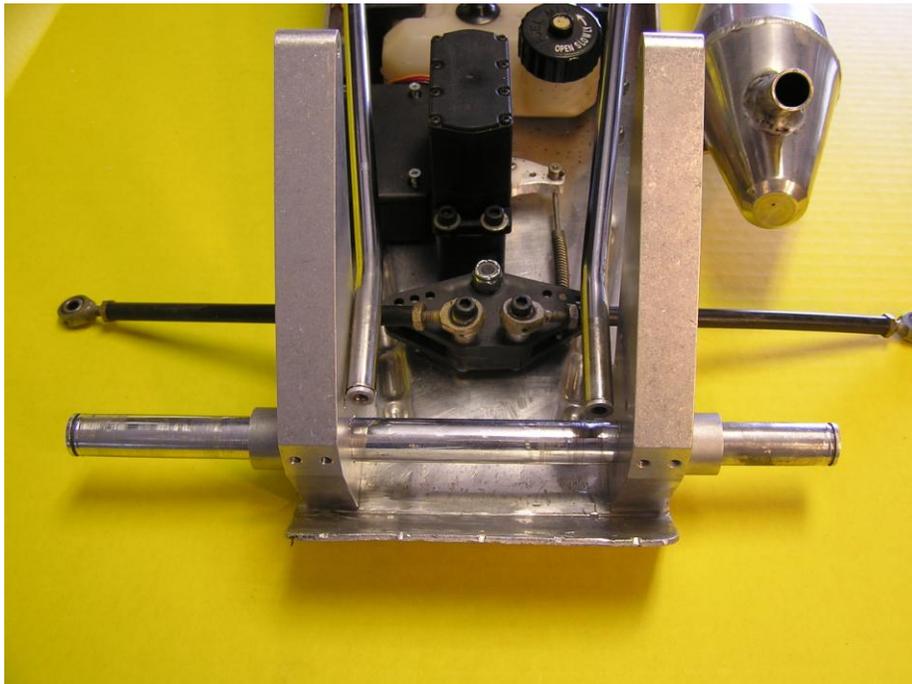
Step 3

Slide the existing Front Axle through the Shock Towers



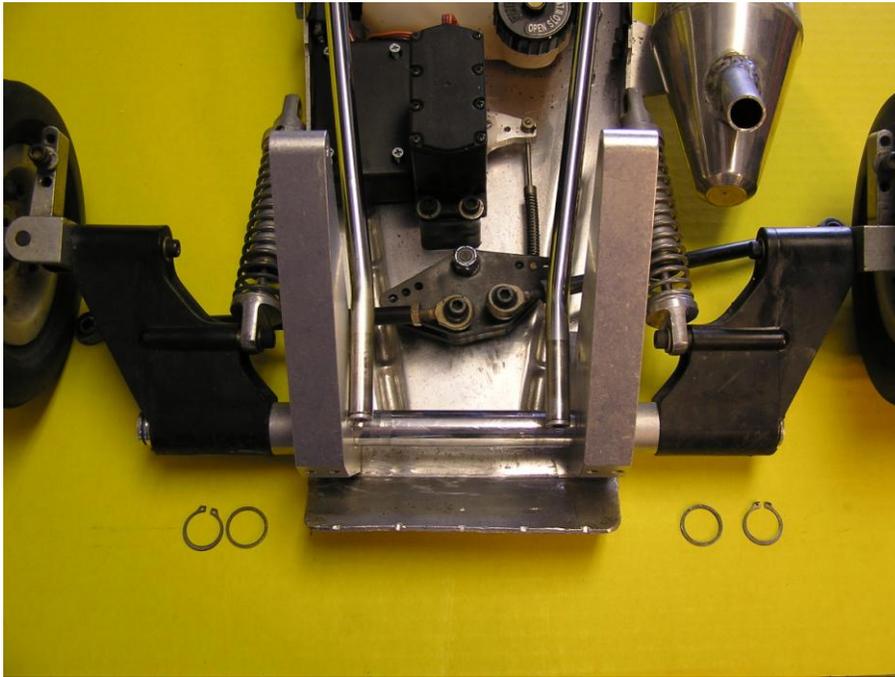
Step 4

Slide 5/8" Spacers onto Front Axle.



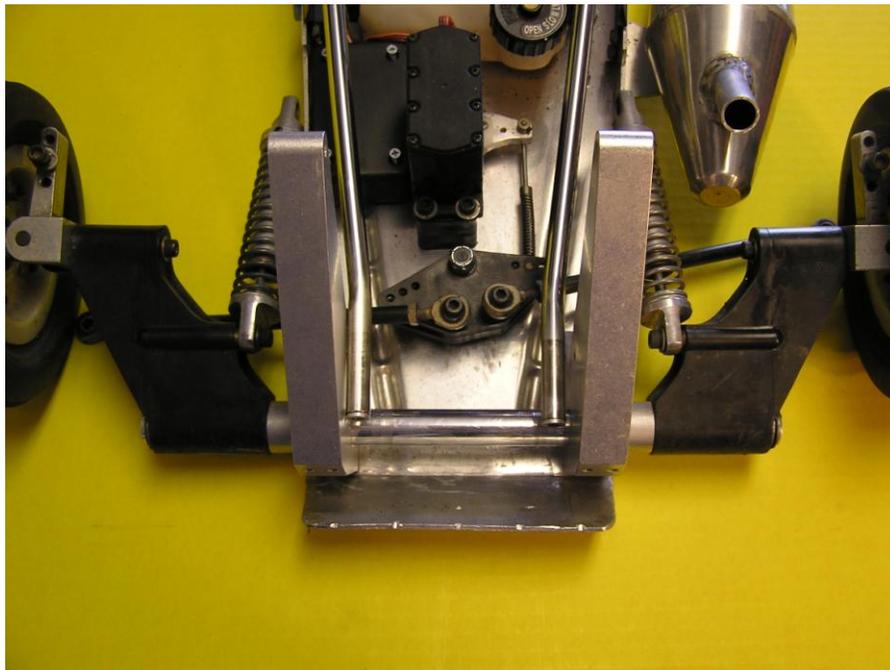
Step 5

Slide existing Front Wheel Assemblies back onto Front Axle.



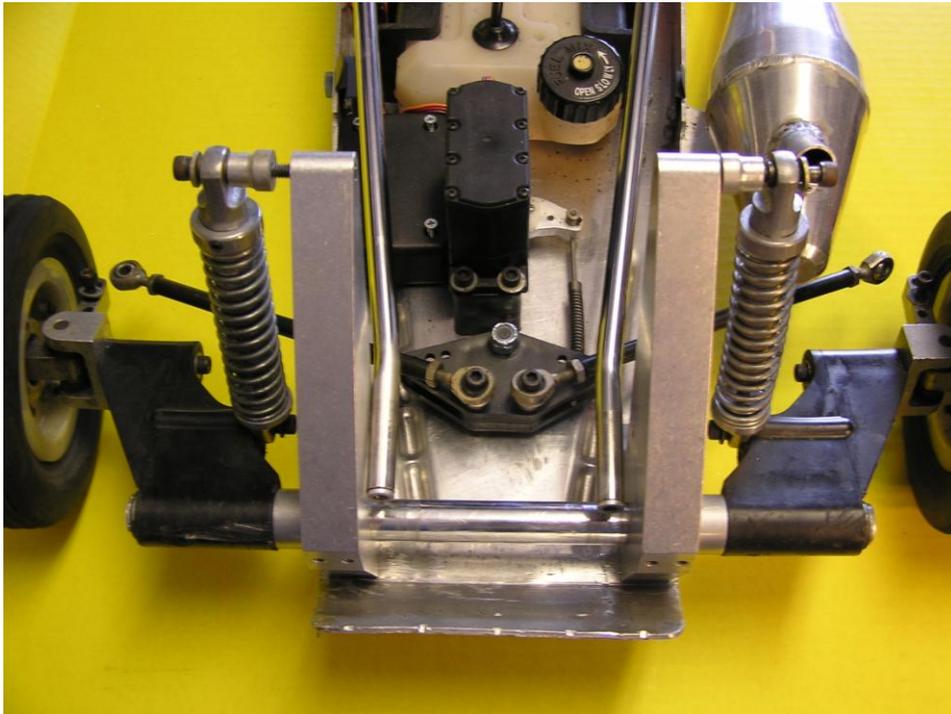
Step 6

Put existing Axle Washers on. One on each side. Using a Snap Ring Tool, install one existing Snap Ring onto each end of the Front Axle.



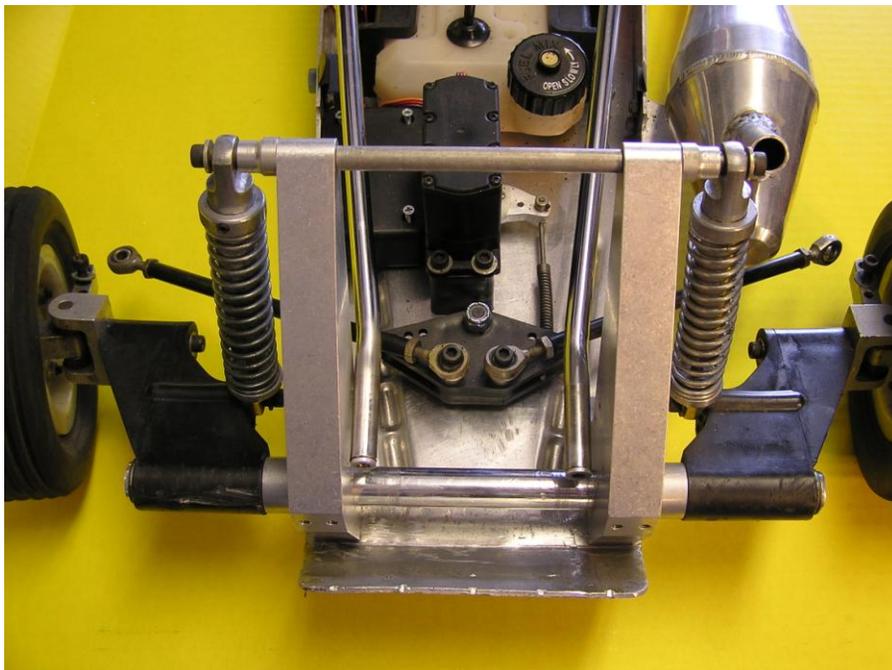
Step 7

Install existing Upper Shock Tower Hardware as shown.



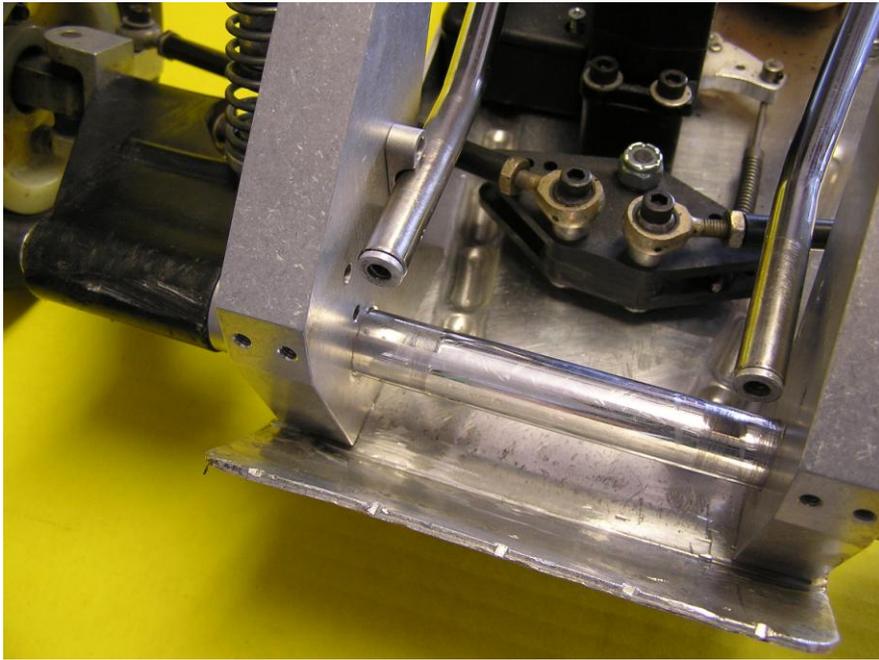
Step 8

Install existing Upper Shock Tower Support Bar. Tighten the Cap Screws barely snug. Reconnect Front Steering Arms.



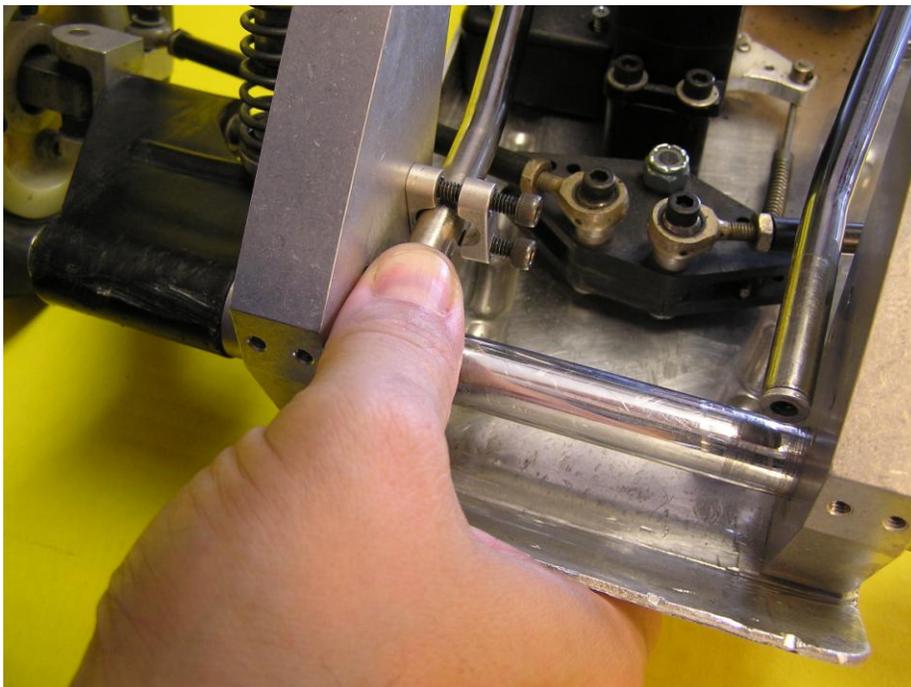
Step 9

Insert Rear Clamp Halve between Shock Tower and existing Frame Rail.



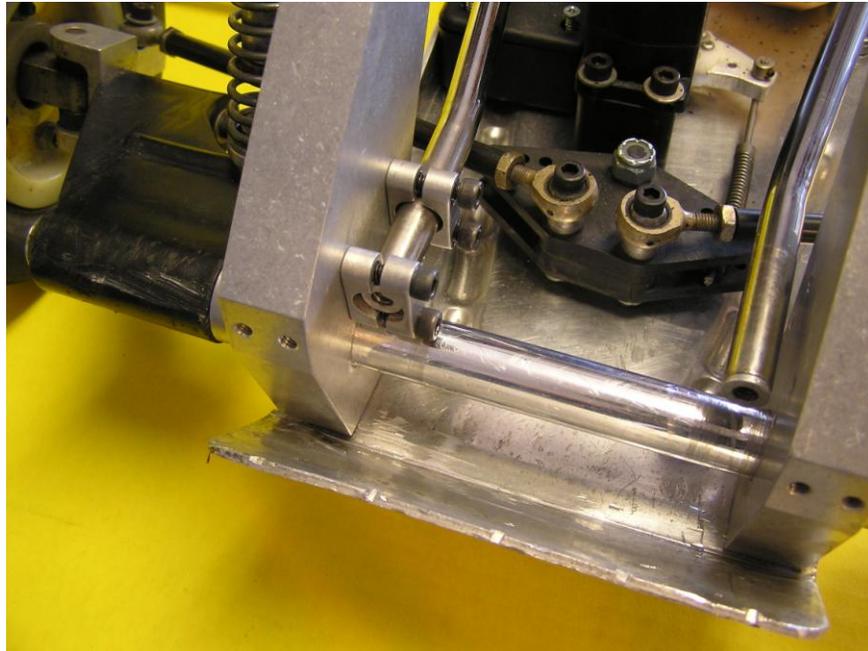
Step 10

While holding the Frame Rail in up and down position install Outer Clamp Halve and two 8-32 X 1 Cap Screws. Do not tighten screws. Leave the Clamp loose enough for the Frame Rail to move back and forth.



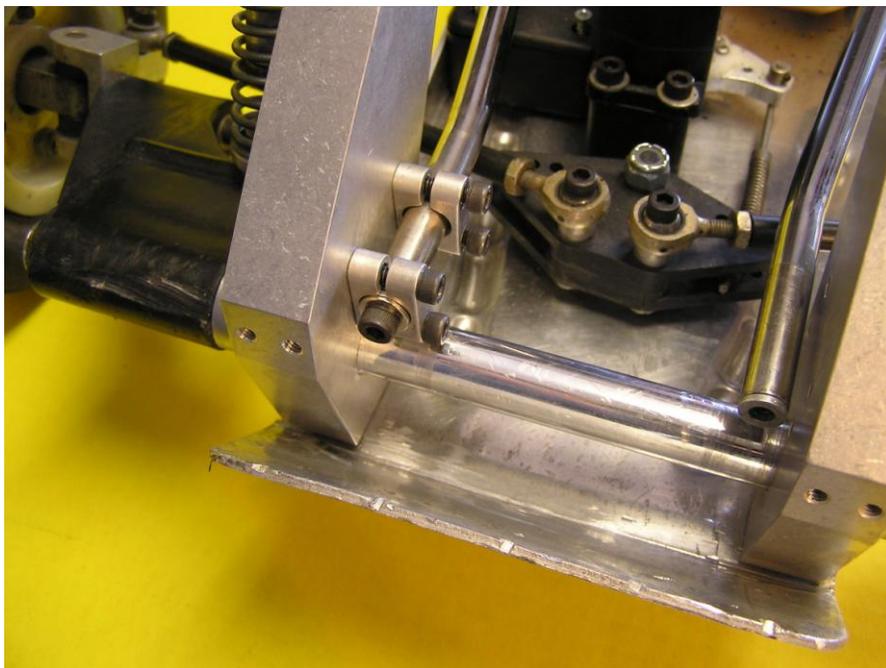
Step 11

Install the front Clamps the same way.



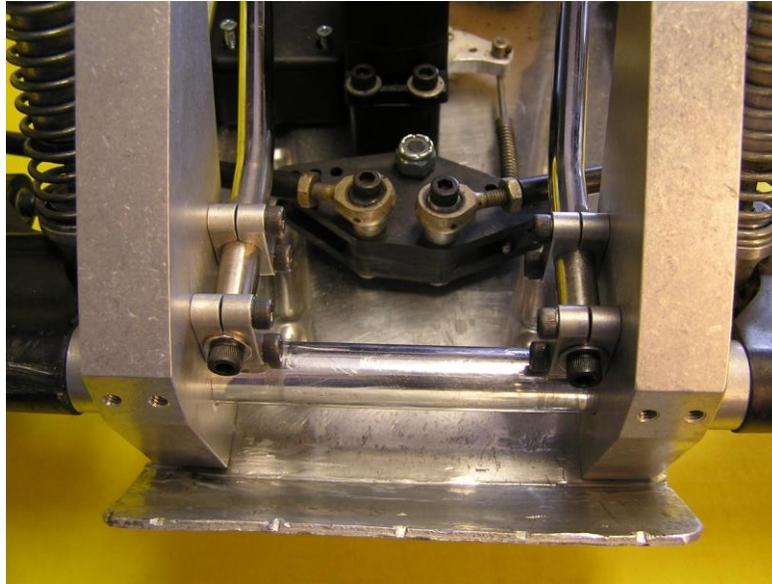
Step 12

Insert a 10-24 5/8" Cap Screw with a 10-24 washer into the end of the Frame Rail. Do not tighten. Now, tighten the front Clamp until the outside edge of the Washer will not go inside of the Clamp.



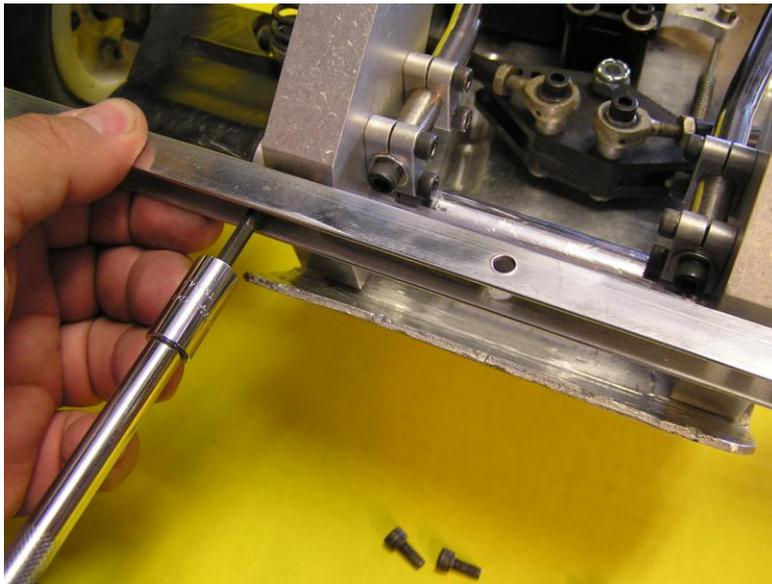
Step 13

Install the Clamps on the other Shock Tower in the same manner. Then tighten the 10-12 X 5/8 Cap Screw to bring the Frame Rail forward so it will be flush with the end of the Clamp. Then tighten the Clamps evenly. They should be very snug around the Frame Rail with a small gap left in the Clamps. Last, tighten the 10-25 X 5/8 Cap Screw. In the event your Frame Rail extends past the Clamp initially, then pull back on the Frame Rail while tightening the Clamps.



Step 14

Install Bumper Frame using four 8-32 X 3/8 Cap Screws. Do not tighten!



Step 15

Measure the opening at the bottom of the Shock Towers and make sure it matches the opening at the top. I cut a piece of aluminum to match the upper opening. I slid it between the Shock Towers to hold them in place while tightening. Once the Shock Towers are in place you can tighten everything.



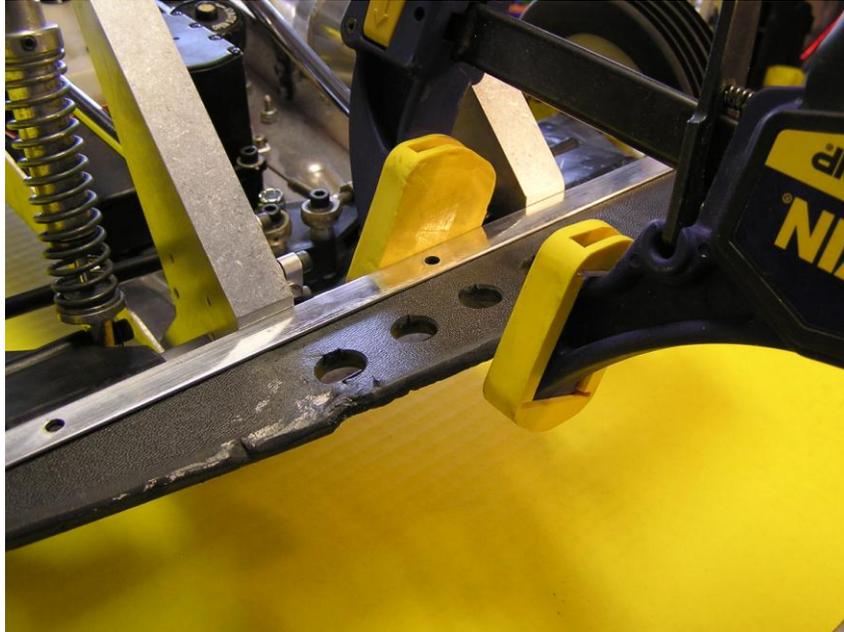
Step 16

Your existing Bumper needs to be notched out to fit around the heads of the Cap Screws before installing it. You can do this any way you want. I used a bench mounted grinding wheel. It took a few seconds. You could also use a Dremel, file or whatever you want to use.



Step 17

Center the Bumper into the Bumper Frame. Then using a clamp, hold the Bumper in place so the Bumper is in the Bumper Frame all the way. I have found that most existing Bumpers need this clamping to install them correctly.



Step 18

Drill a 5/32" hole into the existing Bumper. Then insert a 10-24 X 1/2" Cap Screw and tighten.



Step 19

Do the same for the holes at each end of the Bumper Frame.



Step 20

You are almost done. It's time to talk about the Car Body. I have found that some of the Jac-Rabbit Bodies fit with these Shock Towers and some bodies need to be trimmed. The amount they need to be trimmed is minimal. I have 3 bodies I tried. The front of the body comes right up to the edge of the rear of the Bumper Frame. The place you would need to trim is around the top of the Clamps on each Shock Tower. The body needs to sit down a bit lower. I will be eventually updating this install with pictures of the bodies. Your Done! Enjoy your new Shock Towers!

