



Note the 2 1/2" extension of the front lateral frame tube and the 1 1/2" rear hinge frame supports welded in place. The outer edge of these tubes are welded underneath and flush with the outside edge of the hinge frame.



Looking from the top view, you can see the longitudinal frame tubes move outward from each other (29" apart in the front and 37" apart in the rear).

Mount frame to rear deck cover.



Mounting the Lid Hinges

The hinges chosen for our application are from a 1982 to 1992 Chevrolet Camaro hood. These hinges have a scissor action with a pneumatic strut to assist the lifting of the deck.



Hinge compressed close



Hinge extended open



Struts are on outside of hinges

Next the hinges and hinge support frames need to be drilled. Come in 1 1/2" from each end of the shorter section (section previously attached to hood on Camero) of the hinge and drill a 1/4" hole in the center of the ridge down the center.



The sides of this section need to be trimmed off, leaving just the rounded corner to keep the strength and rigidity of the hinge. This is to allow clearance for the hinge and not drag on the body surface when the rear hatch rises.

Place the hinges on the hinge support frames that are mounted to the rear deck lid, and mark the holes to be drilled. Using a 5/32" drill, drill both holes on both sides. Use self tapping metal screws with washers and secure the hinges in place on the hinge support frames.



We used wire ties to keep the hinges in the compressed position, once they were mounted to the upper support with the metal screws.

Now we need to construct the base mount frame for the hinges. For this we will do similar to how we constructed the upper hinge support frames.



The lateral tubes are 1 1/4" X 1 1/4" square tube cut off at a 45 degree angle with 18" on the outside edge. The vertical tubes for the bottom hinge mount are 1 1/4" X 1 1/4" tubes 4 1/4" long on the outside of the 45 degree cuts. When the 4 tubes are welded together, they form a 4 1/4" by 18" boxed frame as shown in the above picture.



The bottom support brackets are drilled with mounting holes for securing the hinges. These 13/64" holes are at 1 3/8", 10 1/4", and 17" from the front end of the mount, with an additional 5/16" hole drilled at 1/2" for the bumper stop screw that protrudes from the bottom of the hinge arm.