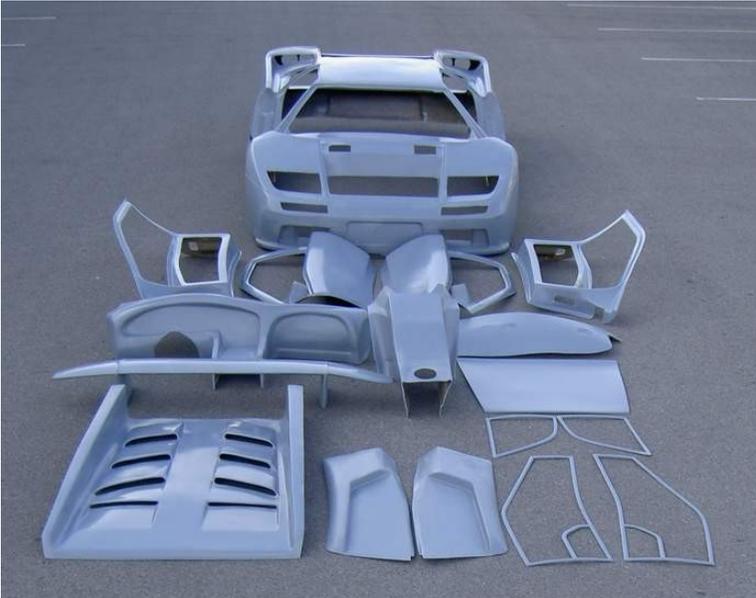


Mounting Rear Wing



After the shock of seeing all the parts, and attaching the rear engine hatch to the chassis and body, we next can proceed with attaching the rear Wing. Actually the wing can also be attached to the engine hatch before installing the hatch, but it was felt that handling and installing of the hatch would be easier without the wing installed.

We selected using “T” nuts to mount the rear wing on the vehicle.



We chose to use the 3/8" X 1" bolts with the 3/8" T-nuts.



The vertical struts for the rear wing are drilled with pilot holes – in our case, we came in approximately 3” from each end, or approximately 5 ¼” between the centers.

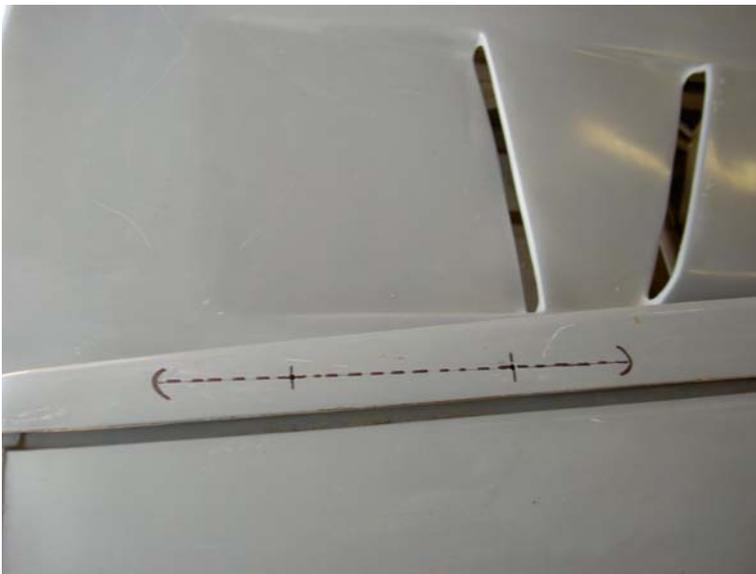


Both vertical struts get two pilot holes.

The wing struts are set in position on the rear engine hatch and a tracing is made around them (at this point, a template of the base of the vertical struts would also be helpful). The position of the pilot holes in the vertical struts can be transferred to the pattern drawn on the rear hatch and more pilot holes are drilled.



Drivers Side



Passenger Side



The pilot holes are drilled out to the 7/16" hole-size as suggested for the 3/8" T-Nuts we are using. We also add two 1" holes between the mounting holes. These will be used to insert the T-nuts from inside the wing vertical struts.





Once the T-nuts have been inserted and have epoxy or fiberglass to secure them, and have dried in position, the threads can be chased out with a tap to make sure the threads are clean and the 3/8" bolts can be tried in the T-nuts to see ease of installing.

NOTE: this can be a strenuous job because of the angles of inserting the T-nuts, and trying to have the epoxy or fiberglass in the right place to secure the nuts. We spaced it out over a couple of days with a couple attempts on each side.





Next we fabricate two metal 1" strips approximately 7" to 8" in length. Our metal strips we used were the type used on securing boards together in construction, but you can use whatever is affordable and available. If templates were created earlier for the pilot holes in the vertical struts, they may be used to properly position the 3/8" holes. The metal strips can also be held in place under the engine hatch lips, and the holes can be marked from above the hatch.



Once all the plates, struts, and holes have been checked for alignment and proper ease of installing, the rear wing is bolted to the rear hatch with the metal strips on each side below the rear engine hatch. The 3/8" bolts should have a lock washer on them to maintain security.



Tightening down the bolts, we have the wing installed properly.

