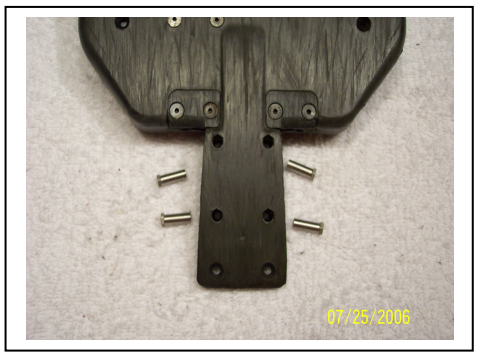
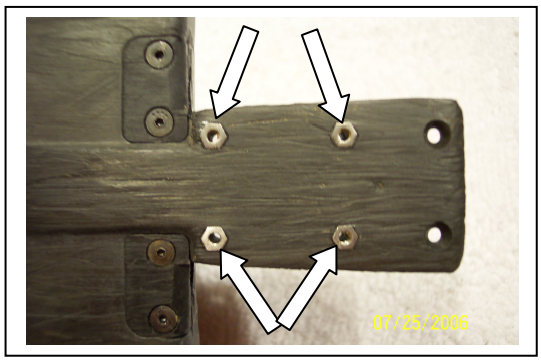
BAG E

BULKHEAD & TRANS INSTALLATION

PREPARATION

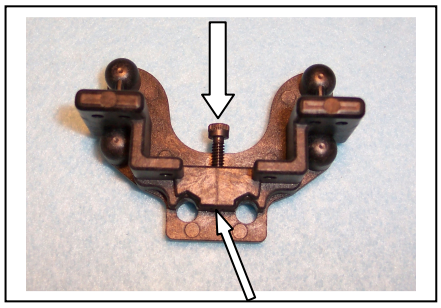
E1 Install four ½" threaded inserts in the rear of the chassis from the bottom. Make sure the hex of each insert seats properly in the chassis. You may have to tap lightly to fully seat the inserts. The inserts should remain in place through the transmission install, and it's easiest to do them now. The rearmost holes in the chassis will be used later – they do not have hexes for the inserts.

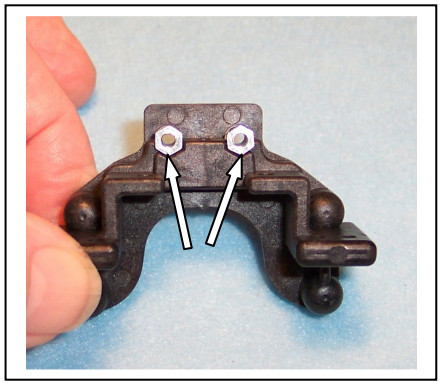




BULKHEAD

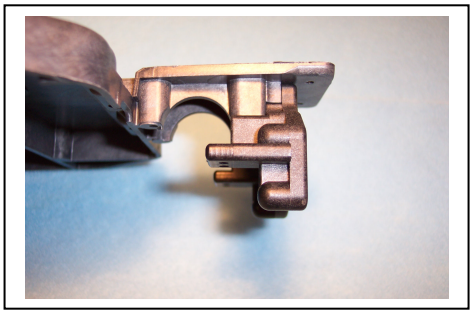
E2 Install a 4-40 X 5/8" cap head screw in the rear center hole of the bulkhead. Put the screw in until the threads are almost ready to emerge from the part. (Left photo) Then turn the bulkhead upside down and place the two 3/8" threaded inserts in their holes. The hexes face forward and fit in the molded hexes in the bulkhead. Note that half of the hex is molded into the bulkhead and half into the chassis. Keep the bulkhead upside down for instruction E3.

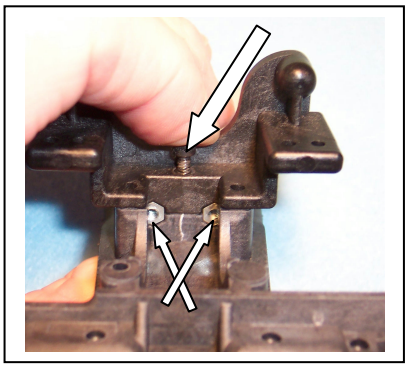




E3 Turn the chassis upside down and mate the bulkhead to the chassis. Take care that the threaded inserts remain in their hexes in the bulkhead and go into their hexes in the chassis. This is a pain to do, but most likely you'll only have to do it once. When you've got it right, secure the bulkhead by finishing installation of the 5/8" cap head from E2 above.

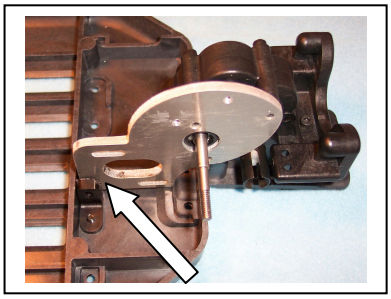


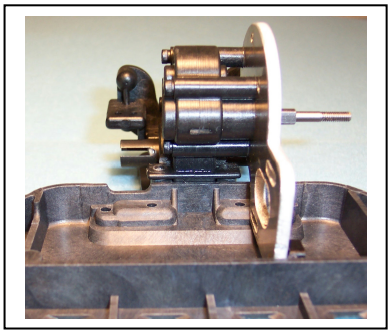


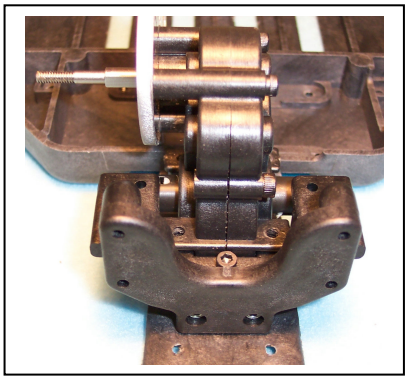


INSTALL THE TRANSMISSION

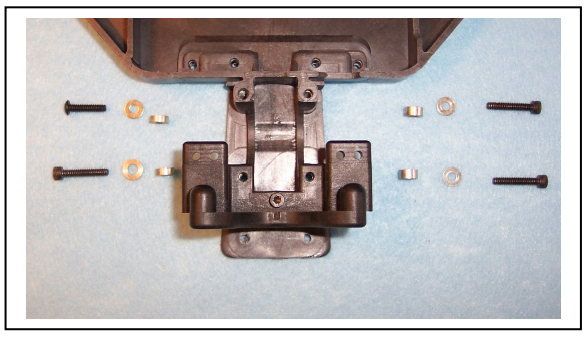
E4 Place the assembled transmission and motor plate in its box. It should be a snug fit but should slide up and down without too much force. Check that nothing is catching. The motor plate should be snug against the right side of the motor plate support.



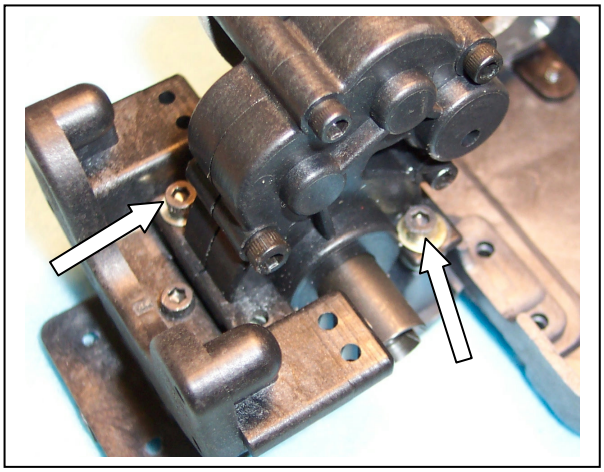




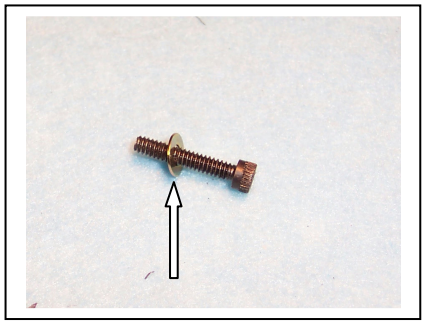
E5 Remove the transmission from the car. Check the Tuning Section and Set-Up sheets to determine how high you will mount your transmission and select the proper shims from the bag of shims. Assemble three 4-40 X 5/8" cap head bolts, one 4-40 X ½" bolt, four flat washers, and the shims. Note that the short button head screw will be at the left front.

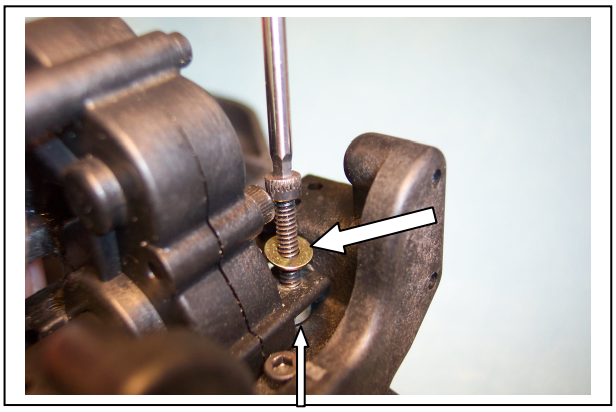


E6 Place the shims for the left rear and right front transmission bolts on their chassis bosses. Slide the transmission down over them and install two 4-40 X 5/8" cap head bolts and flat washers. Leave these bolts finger tight for now.

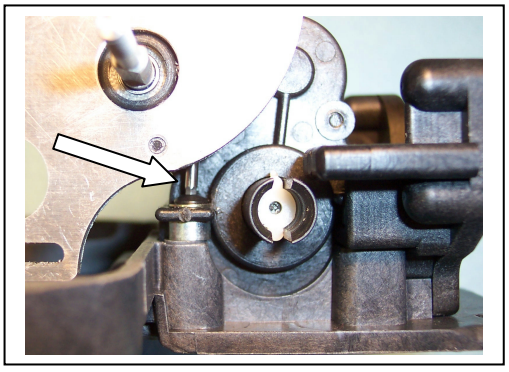


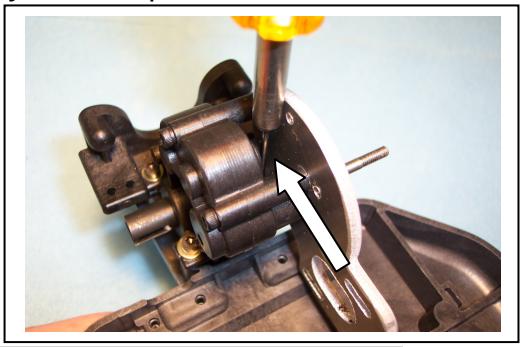
E7 Place a flat washer about half way on the last 4-40 X 5/8" cap head bolt. Slide the spacer under the right rear transmission mounting tab (small arrow). Put the bolt in so the washer is beneath the transmission case bolt (large arrow), then install the bolt finger tight. The head of this bolt will rub on the case bolt a bit, but that's OK.

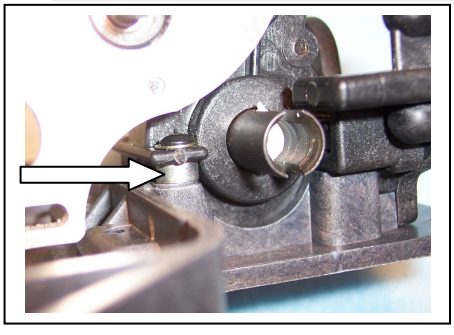




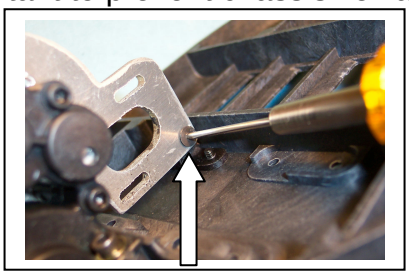
E8 Place the final spacer under the left front transmission mounting tab. Put the washer on the 4-40 X ½" button head bolt and engage the bolt with your wrench. Work the wrench down between the transmission and the motor plate to install this screw. Be careful not to strip the threads in the insert. When the left front bolt is properly engaged in its insert, apply final torque to all four transmission mounting bolts.

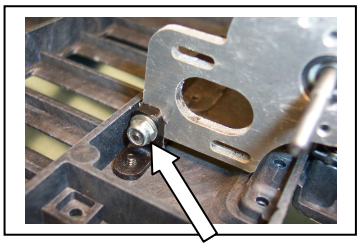






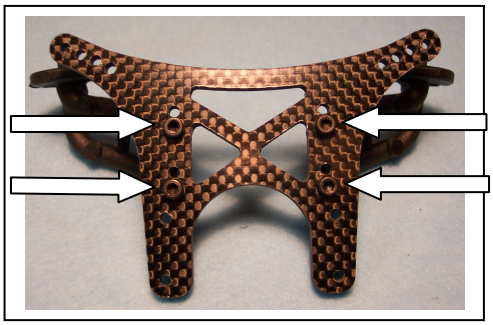
E9 Install the ½" flat head through the motor plate and motor plate support. You may need to loosen the two bolts that hold the support in the car. Secure with the flat washer and lock nut. Remember to re-tighten the motor plate support bolts when this step is finished. Some drivers foolishly leave this bolt out, but it is very important to prevent chassis flex and bending the motor plate.





INSTALL WINGS MOUNTS & SHOCK TOWER

E10 Consult the Tuning Section to determine if you will use the high or low wing mounts. Here we have used the low mount. Use four 4-40 X 3/8" cap head screws to install the wing mounts on the shock tower.



E11 Install the tower to the rear of the bulkhead using four 4-40 X ½" cap head bolts.

