

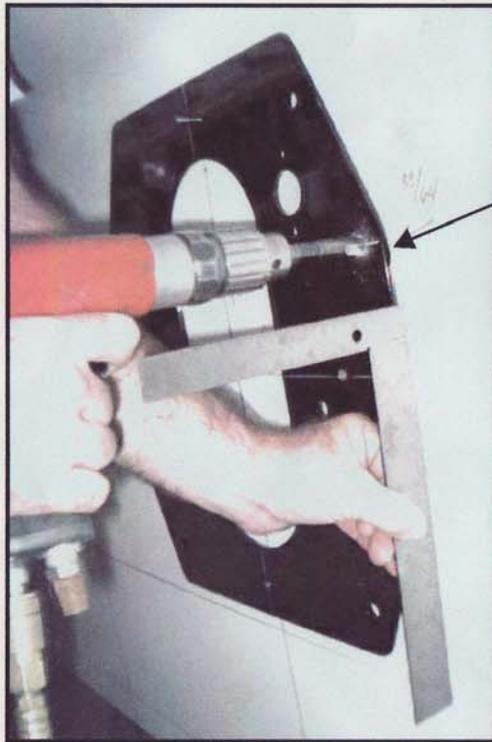


11 INDUSTRY DRIVE  
PALM COAST, FL 32137  
PHONE 877.900.7278  
FAX 386.445.1122

## Standoff Box Installation

1. Remove the engine, Bravo drive, and transom assembly from the boat.
2. Bolt the new inner transom plate onto the inside of transom using the old Bravo transom assembly mounting holes.
3. Drill the rear engine mount holes through the transom using the plate as the guide, if keeping the same X dimension drill at the two ½" holes. If raising the X dimension drill through the holes for a 1" or 2" raise.
4. If you have not raised the X dimension bolt the rear engine mounts through the plate and the transom and tighten into place making sure the plate is square and the mount pads are level. If you have raised the X dimension remove the inner transom plate drill the pilot holes to ½" now reinstall the inner transom using the ½" holes in the plate to match the new ½" holes in the transom. Now bolt the rear engine mounts into place and tighten making sure the plate is square.
5. Drill the top and bottom alignment pin holes through the transom using the inner plate as the guide.
6. Install the alignment pins into the standoff box at the top and the bottom locations. Place the standoff box up to the transom with the pins going through the transom and into the alignment holes on the inner plate.
7. Drill 2 holes one on each side of the box through the transom using the box mounting holes as a guide and have the drill pass through the inner plate matching hole. If needed you can drill half way from each side of the transom, this step will require 2 people. Now install a bolt on each side of the box and through the inner plate and snug in place.
8. Check to make sure the box is square on the back of the boat, tighten the 2 bolts before drilling the rest of the mount holes. Now drill the remaining mounting holes through the transom making sure the outer holes align with the inner plate holes.
9. Remove the standoff box from transom and at this time you can install the transom assembly to the box or if you prefer you can do this step after the box is mounted.
10. Mount the box to the transom using a marine grade silicone on the mounting flange and the heads of the bolts and tighten all of the bolts and again check that the box is square to the boat.
11. Now that the box and the transom assembly is affixed to the back of the boat you can reinstall the engine and check the drive alignment to the coupler. Some adjust may be needed to align the engine properly to the drive.

# Standoff Box Installation



33/64" (x8)

Figure 1: Drilling Transom  
Drill outside mounting holes 33/64th though transom

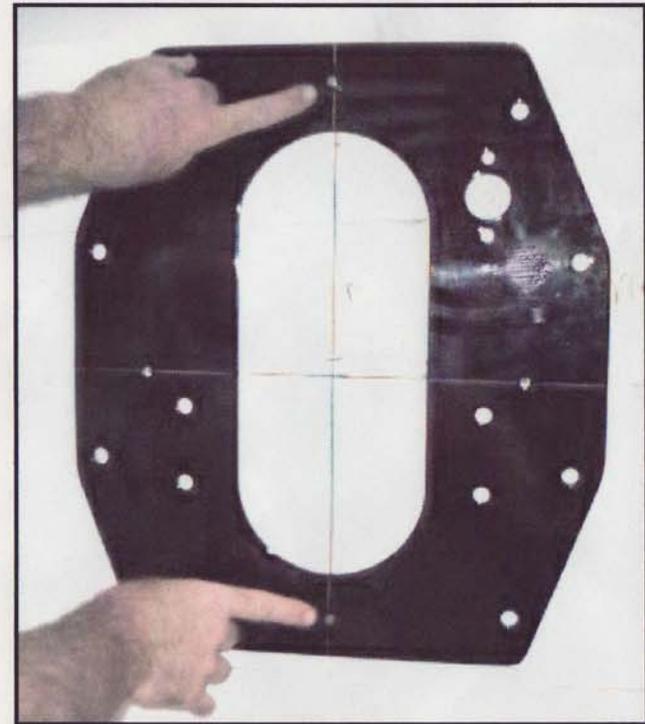
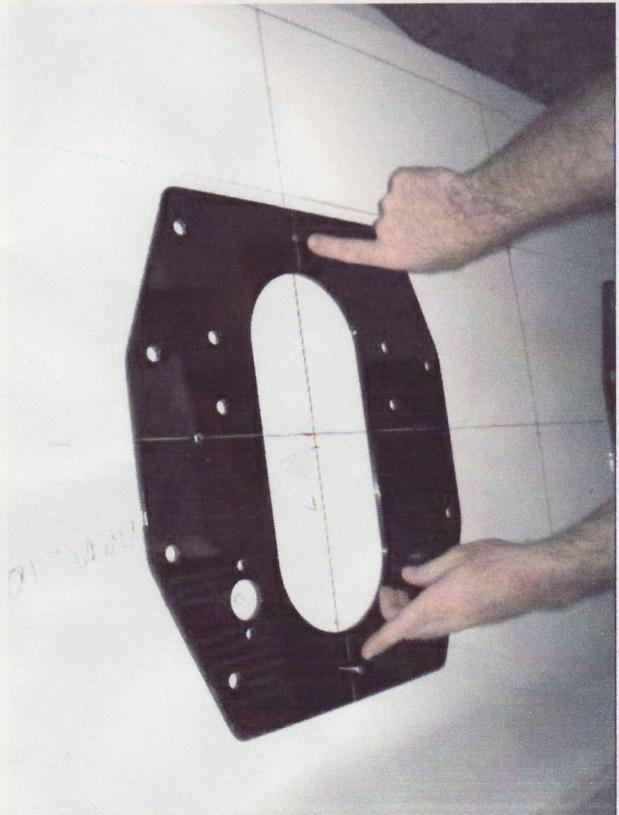
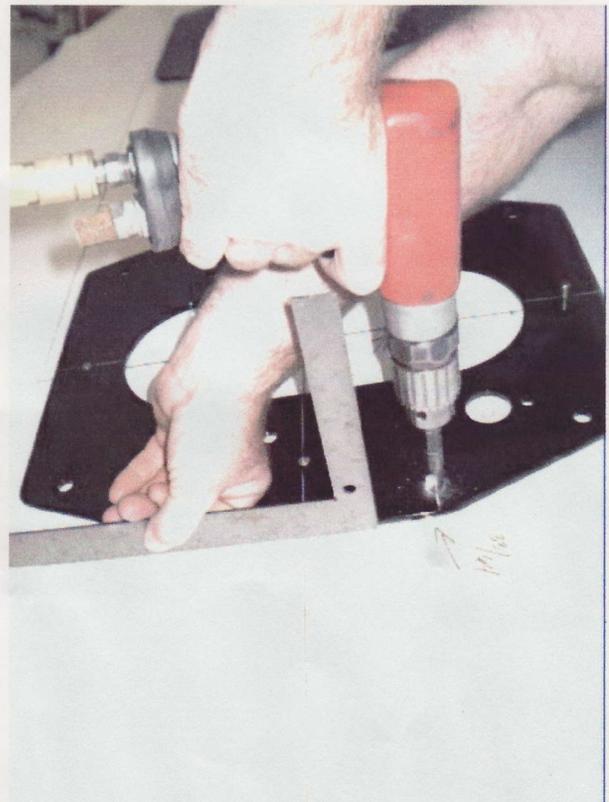
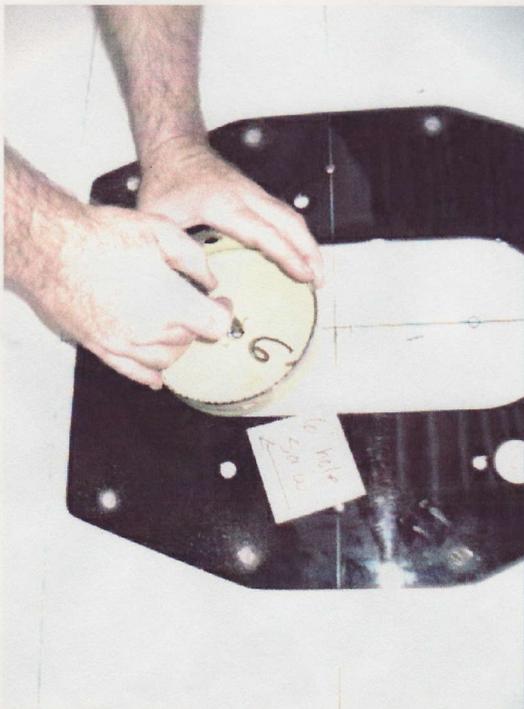
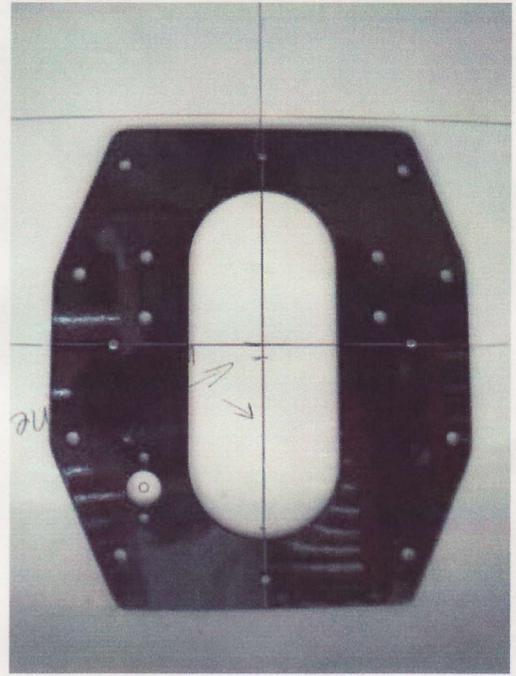
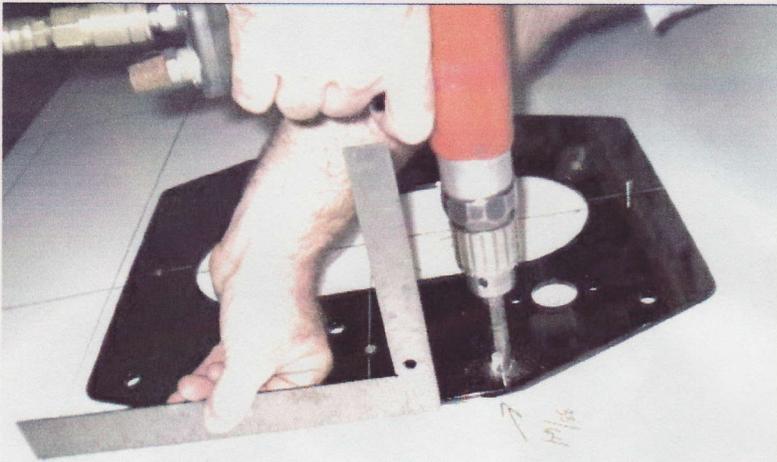


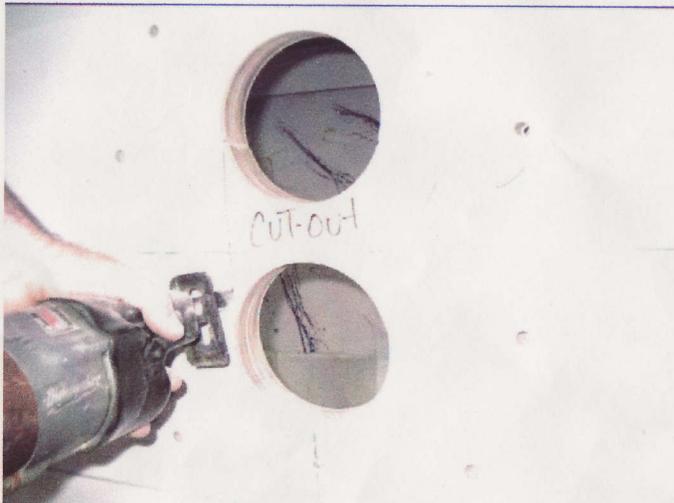
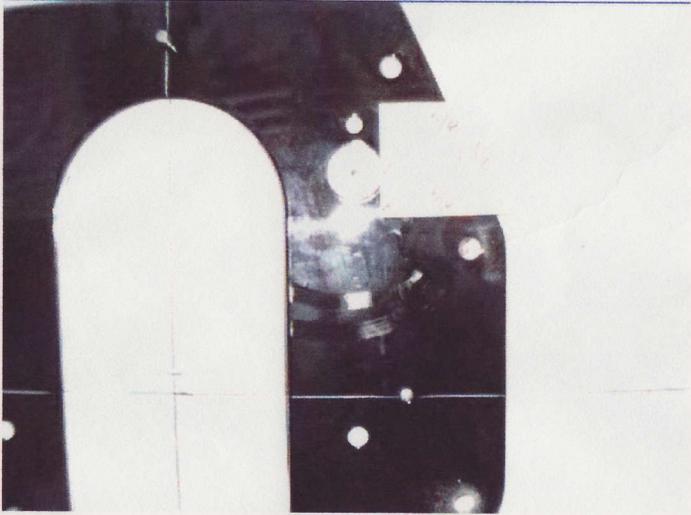
Figure 2: Locating X-dimension  
Insert dowel pins...

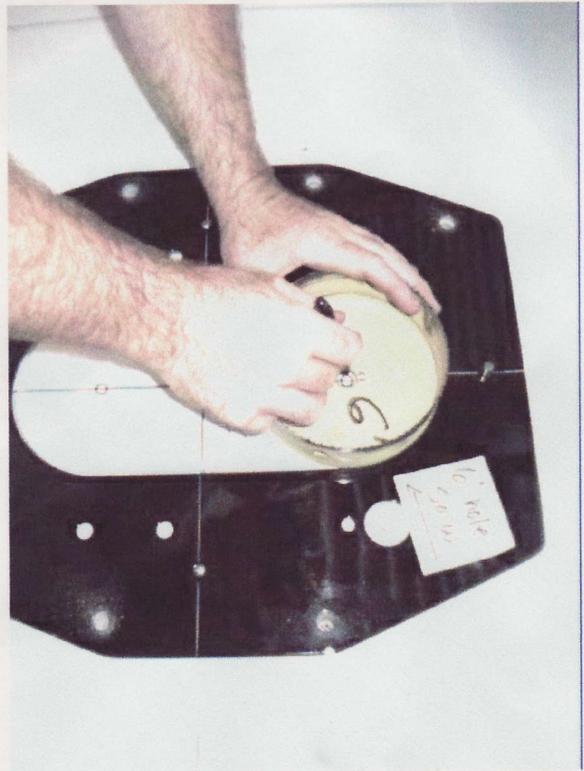
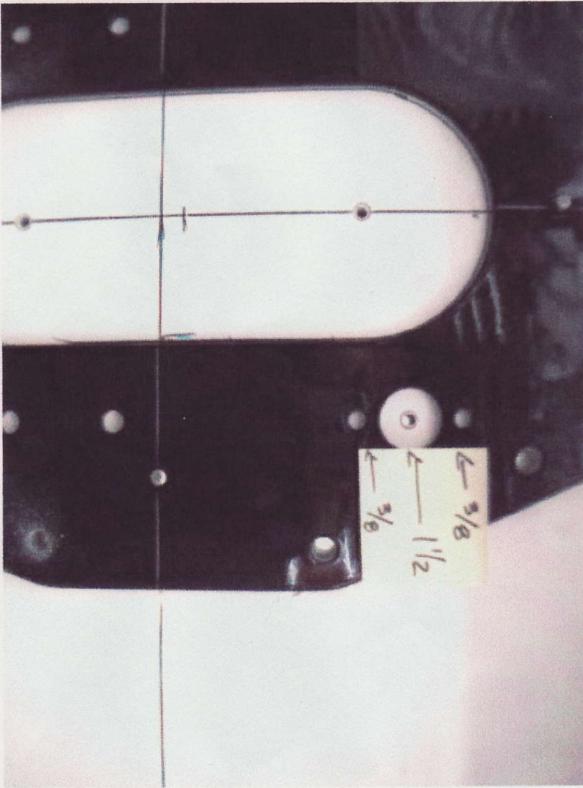
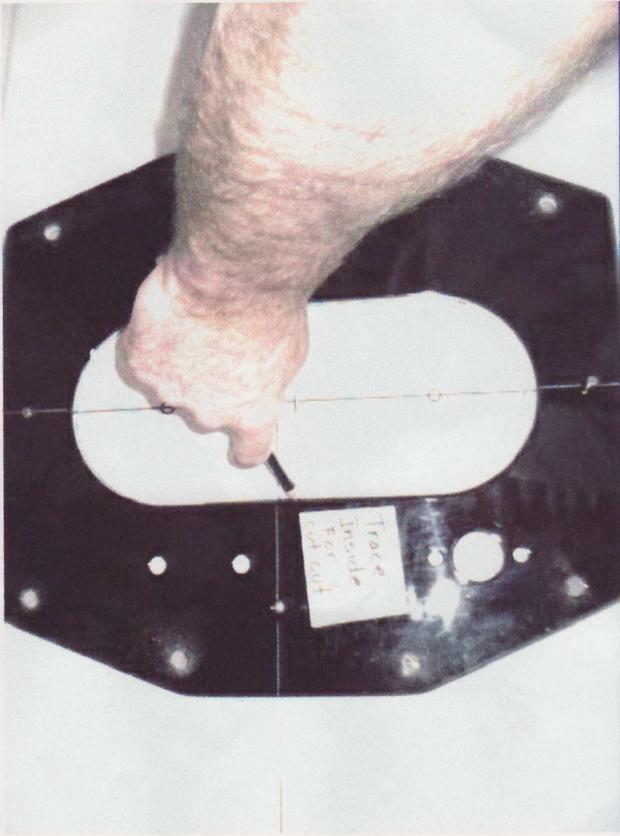


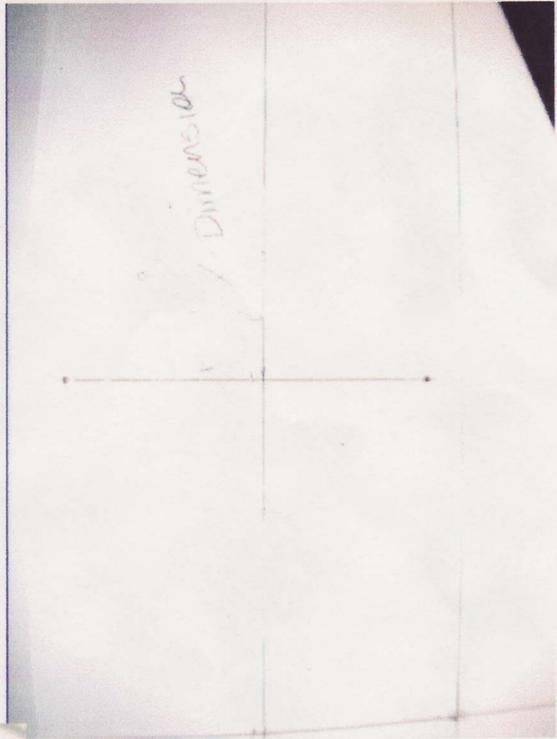
Hardin Marine  
11 Industry Drive  
Palm Coast, FL 32137  
Toll Free (877) 900-7278  
(386) 445-2500  
Fax (386) 445-1122

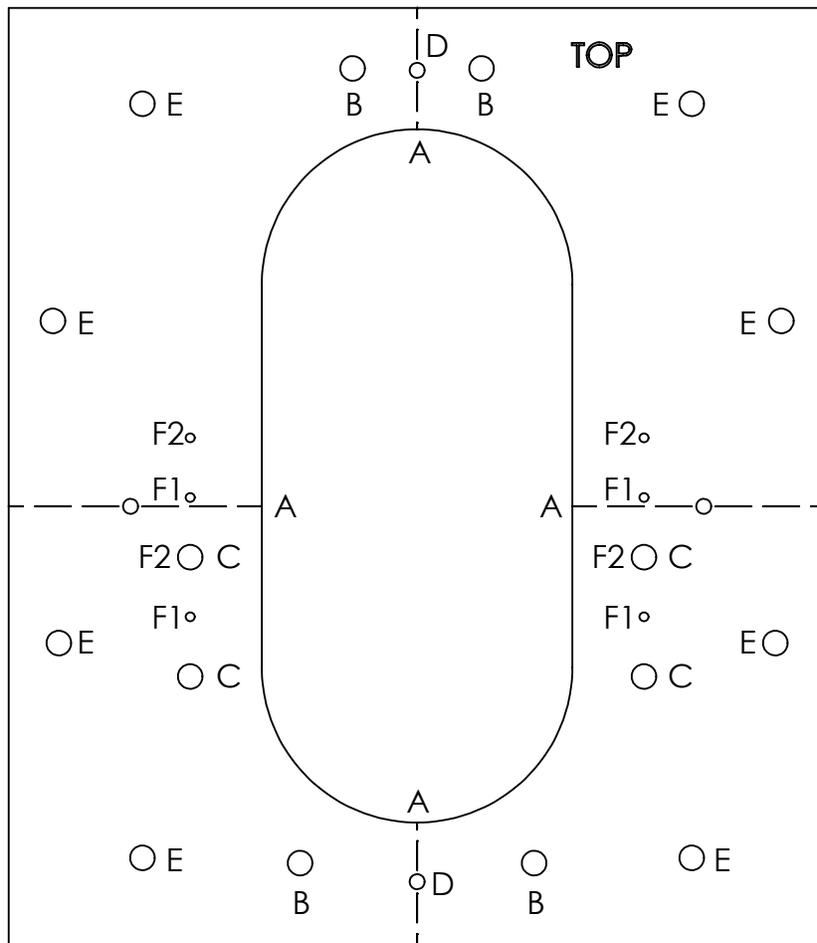












- A. CRANKSHAFT CENTERLINE
  - B. STOCK TRANSOM ASSEMBLY MOUNTING HOLES
  - C. REAR ENGINE MOUNT HOLES
  - D. ALIGNMENT PIN HOLES
  - E. STANDOFF BOX MOUNTING HOLES
- F1 & F2 ENGINE MOUNT DRILL LOCATIONS TO RAISE X DIMENSION  
 F1 - 1" RAISE  
 F2 - 2" RAISE