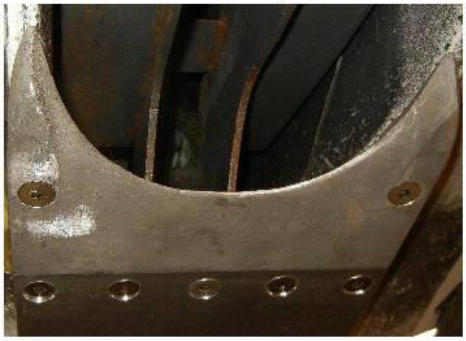
JC/JG Shoe & Ride Plate Insallation Instructions

Place the Add-On Shoe in place against the intake and hold it in place with a 2 x 4 and a floor jack. Next hold the plate in place on the back of the shoe.

Next hold or support the plate in place tightly against the shoe. Measure from the steering axis pin to the rear corners of the plate on each side to make sure that the plate is centered and square with the pump. It it's not square, adjust the shoe in place by rotating it slightly until the measurements are the same. Once square, raise the jack and lock the shoe against the intake.

Carefully center punch, drill, (using a 17/64" drill bit). and tap, (with a 5/16 x 18 tap), the two front holes in the shoe. To prevent drill bit walk, we suggest doing the first one and installing the first bolt. After installing the first front bolt, re-check your plate for square before going on to the second one.



After the plate and shoe are installed square with the pump, proceed to mark,tap & drill the five holes that hold the plate in place with the same drill bit and tap.

Some boats will require a little to be ground off of the bottom behind the pump for enough plate clearance.

Next make sure your boat is setting level in relation to the floor. Do this by putting the level across the front of the bolted on ride plate. After you've checked this, hold the cradle in place against the bowl with the floor jack and a 2 x 4. (The cradle type in the kit will vary depending upon which pump you have ordered the kit for). Once the cradle is in place, put enough pressure on the plate with the jack to almost pick up the back of the boat. This keeps the cradle tightly in place for the following steps.

Mark, drill and tap for the top cradle bolts that attach it to the bowl. DO NOT remove the cradle for this process.

Install the cradle bolts with "Red Lock Tite".

The next step is to drill through the plate and cradle from the bottom with a 21/32" drill bit for the plate adjuster bolts. Make sure the drill is perpendicular to the ride plate. Countersink these bolt holes from the bottom side to make sure the bolt heads fit flush with the plate.

The amount of shims or washers used to get the degree you want on the ride plate will vary according to the application. A good place to start is about 2 degrees up, (positive), in relation to the keel line. You can adjust up or down from there to find the "Sweet Spot". It is unlikely that the plate will ever be at a negative angle in relation to the keel line. On this project, we added side rail stiffeners. It is a good idea. But, due to the variation of material needed from boat to boat, we simply can not furnish them.

The finished project should look something like this.

ENJOY YOUR RIDE!

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