

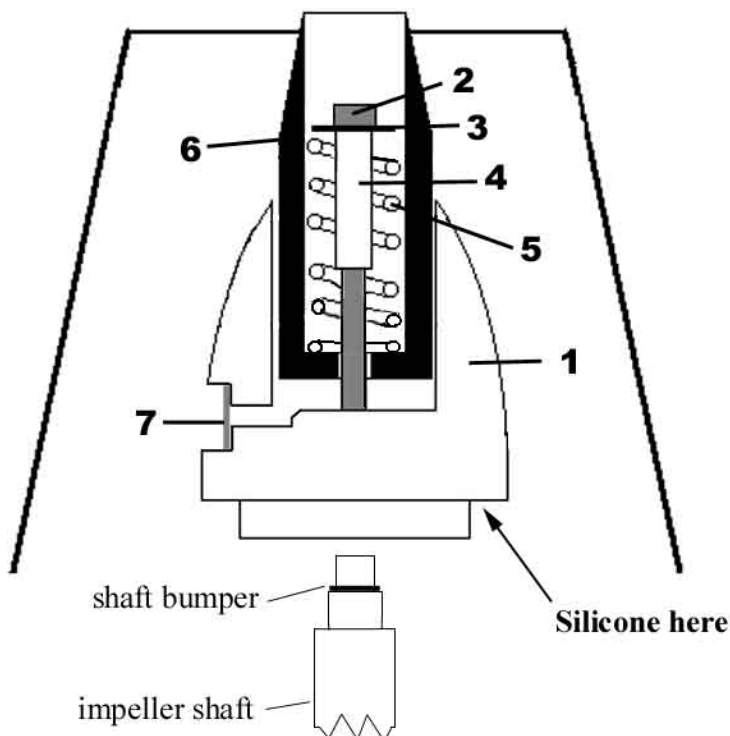
ADJUST-A-THRUST

INSTALLATION INSTRUCTIONS

Model KW1 - 1100 ZXI/STX, STXR, STX12F, 15F



- *Before installing the Adjust-A-Thrust, read and understand the instructions and the tuning sheet.
- *Remove steering cable and trim rod from the nozzle.
- *Remove the bolts that secure the exit nozzle to the pump and the exit nozzle.
- *Remove the 4 bolts that secure the pump body to the hull, and the pump.
- *Remove the 3 bolts that secure the stock tailcone. Remove the tailcone.
- *Clamp impeller shaft end in vise.
- *Remove the impeller from the stock impeller shaft by turning counterclockwise.
- *Remove the shaft from the pump by pushing it through from front to back.
- *Use the stock orings on the new impeller shaft and install shaft into pump.
- *Ensure that impeller threads are clean, apply a small amount of red loctite to shaft threads.
- *Install impeller and torque to 60 to 75 ft/lbs.
- *Place the shaft bumper over the tailcone end of the new shaft. Apply grease to both sides of the shaft bumper.
- *Install stock tailcone oring onto the body of the AAT.
- *Apply an 1/16" bead of ultra blue RTV sealant or equivalent to the body. See diagram below.
- *Sealant MUST dry overnight, failure to let the sealant cure properly may result in pump bearing failure.
- *Install unit so that the inlet orifice points as close to 6 o'clock as possible, fasten with hardware provided.
- *Install the 1/4" washer over the shoulder bolt. Next, install the shuttle stop tube (aluminum), then the spring.
- *Install the shortest shuttle into main body, and secure with shoulder bolt assembly.
- *It takes some force to collapse the spring in order to tighten the shoulder bolt into the main body.
- *When installing the shoulder bolt, Do not torque to over 7 ft/lbs, or you will break off the bolt!!
- *When tightening the shoulder bolt with the provided wrench, screw it in until it bottoms, then give the wrench about an 1/8 turn more "tweak." Torque is 7 ft/lbs
- *Once you have determined which shuttle is your favorite, the bolt may be loctited in using yellow loctite only!
- *Reinstall the pump and exit nozzle.
- *Reinstall the trim rod and steering cable.



KW1 parts list

1. MAIN BODY (with 6004 bearing installed)
 2. 2.75" X 1/4x20" SS BOLT
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 3. 1/4" SS WASHER (3) 1 req. 2 for tuning
 4. SHUTTLE STOP
 5. SPRING
 6. SHUTTLES (4) 2.0, 2.25, 2.5, 2.75
 7. INLET SCREEN (optional)
- (1) Impeller shaft
(1) Shaft bumper (round flat rubber)
(3) SS LOCK WASHERS
(3) 6x1.0" SS CAP SCREWS.