

REBUILDING KIT INSTRUCTIONS

INSTALLING NEW WIRE:

Completely unwrap all wire from spool and remove extra clips. Open the manhole on top of tank and using a pull stick, bring float to opening. Disconnect old swivel & wire and connect new. Release float. Cut off old swivel and tie unused end of new wire to the old wire. Trim excess wire. Remove window assembly and marker from gauge. Pull wire through window opening until all slack is taken up and new wire is straight and taught. Open covers on each elbow to insure wire is on pulley. (NOTE: If condensation restrictor was used, union must be disassembled and new wire fed through before being tied to old wire for pulling.)

REMOVAL OF TAPE:

Pull tape slowly outward through window opening until it stops. Wedge screwdriver between reel and gauge housing and remove screw holding tape to reel. When all of the tape has been removed, release reel and let spin **slowly** until it stops. Remove adapter and install on new tape. (NOTE: Tape may have to be cut.)

SPRING REMOVAL & REPLACEMENT:

CAUTION, TIGHTLY WOUND SPRING...HANDLE WITH CARE! Remove gauge cover. Remove screw holding spring to housing and lift out reel and spring. Release spring from shaft using long nose pliers. (NOTE DIRECTION OF WINDING) Remove only two of the twist wires holding the new spring. Snap new spring end on shaft the same direction as the old one was. Holding the spring against the reel, insert back into gauge housing. >Use a new 8-32 Round Head screw to fasten spring, and remove the third twist wire. With finger, wind reel clockwise until just taught and screw hole for tape lines up with window. Back reel off counter clockwise one turn. Wedge screwdriver between reel and housing. Oil spring and bearings with #5 oil.

INSTALLING NEW TAPE:

Unwind new tape so there are no twists. Using new 6-32 Flat Head screw, attach tape to reel. Holding tape, remove screwdriver and hold gauge reel cover in place. **Slowly** let tape feed on to reel under spring pressure. Use four new 8-32 Round Head screw to tighten cover in place.

FINAL ASSEMBLY & CALIBRATION:

Pull wire through window until float is at tank height. Feed wire through clip and adapter hole and pull taught. Feed end again through clip and slide close to adapter. Crimp with pliers and cut off excess. Slowly release wire and tape into conduit until it stops. Centerline of window opening should now read level of fluid + or - .5 inch. Using a new 6-32 X 7/8" Round Head screw and nut, securing new marker at actual liquid level. Install new window assembly using remaining 8-32 Round Head screw.