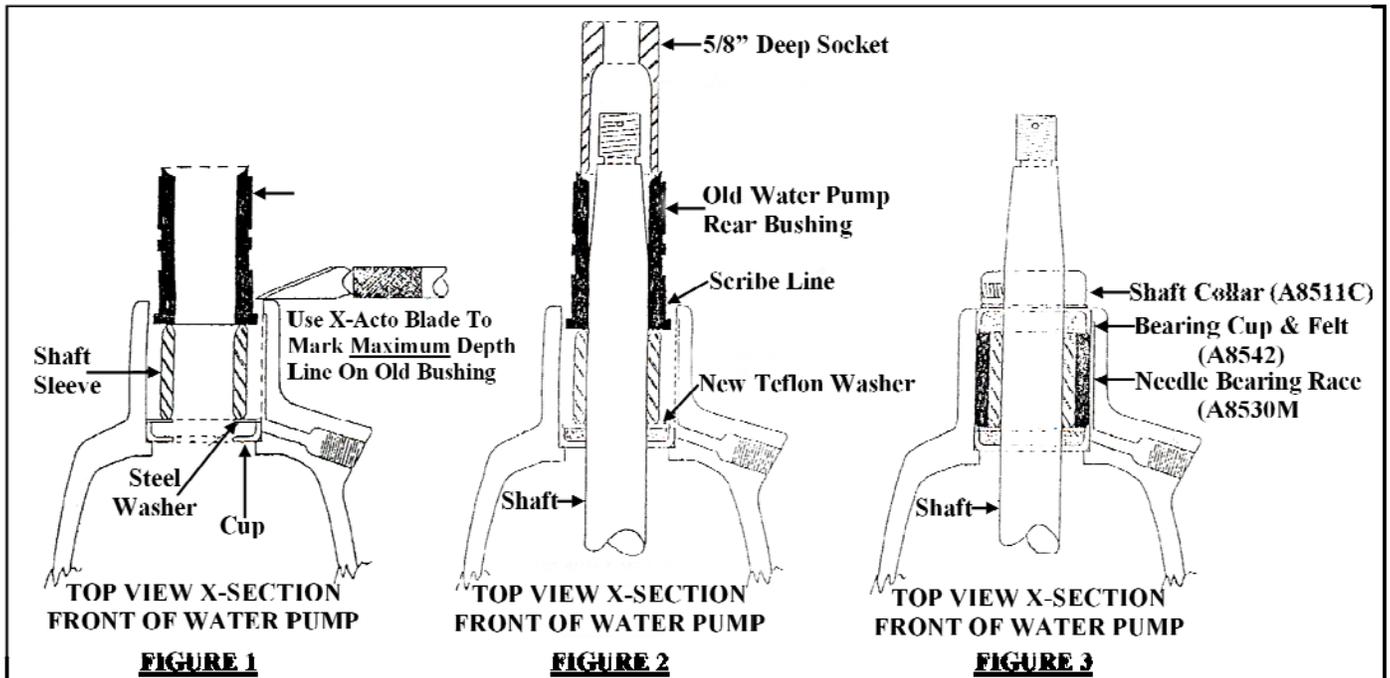


# A8530M

## MODERN BEARING & SLEEVE INSTALLATION



**TOOLS REQUIRED:** 5/8 & 3/4 Deep Socket + Old Rear Brushing + #271 Loctite + Hammer + Screwdriver

- 1) Remove and discard old bearing + sleeve + cups. Save a steel washer, as this will be used to make a measurement. Pry off cup and drive out the old bearing with a long screwdriver
- 2) Drive a new cup into place with 3/4 socket. DO NOT USE FELT WASHER YET.
- 3) Place steel washer on top of cup and then set shaft sleeve atop the steel washer [See figure 1]. Set old brushing atop the shaft sleeve and scribe a line on the brushing so you know the MAXIMUM depth the sleeve is to be driven onto the water pump shaft. Use steel washer for measurement only.
- 4) Remove sleeve + steel washer and set felt washer in place within the cup. Now install new TEFLON washer and water pump shaft [See figure 2]. Wipe shaft clean of any grease after you have sleeved it thru the packing nut but before it enters the cup. MAKE SURE YOU HAVE NOT FORGOTTEN THE TEAR DROP IMPELLER WASHER OR PACKING NUT.
- 5) Put a thin coat of Loctite inside of sleeve and on the shaft. Place sleeve on the shaft and press or hammer it into position using old brushing topped off with a 5/8 deep socket [See figure 2]. DO NOT drive the scribe line on old brushing beyond the front of water pump casting. KEEP THE SCTIBE LINE .01" [Thickness Of A Business Card] ABOVE CASTING. Wipe the shaft clean of any remaining Loctite.
- 6) Force grease into needle bearing with your fingers. Remove all grease from bearing race and apply a thin coat of Loctite onto it. Set bearing race so grease hole lines up with fitting and press or hammer it into position over sleeve using the old brushing and socket. AGAIN, keep scribe line .01" above the water pump casting.
- 7) Place TEFLON washer + felt washer and cup into position [see Figure 3]. Using the old brushing and socket, drive cup into casting to point that is just about flush with the pump casting.
- 8) To eliminate any end play in the shaft due to a worn head, it is advisable to lock a shaft collar [part # A8511 C shown in Figure 3] onto your shaft. In mounting the collar be sure to push down on the impeller end of the shaft so you get a tight fit. Before locking collar into position, grease a piece of paper and place it between the collar and TEFLON washer provided so you have at least .003" end play. Lock down the set screw in the collar and then remove paper spacer.
- 9) Now screw in the front grease fitting and grease your new front bearing assembly.
- 10) If you want an absolutely 100% LEAKLESS WATER PUMP we recommend you precede the above operation by installing a new sealed brushing [Part # A 8520 S] and using a new stainless shaft. If you use a new stainless shaft be sure to fix the impeller in place with a roll pin.