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**Subject:** WPR22LA259, Fuel Pump Rebuild Procedures

The following select information was extracted from the overhaul manual for the Crane\_Lear Romac RG17980 Series Power Driven Rotary Fuel Pump.

#### REPAIR

##### 8. Bearing/Liner Replacement

Remove the liner and bearings from pump housing as described under disassembly. Thoroughly clean and degrease the pump housing.

- A. Apply a light coat of Pliobond No. 30 to pins before pressing them into bearing.
- B. Heat the pump housing in an oven to [specified temperature].
- C. When the pump housing reaches the prescribed temperature, remove it from oven and press in bearing and liner ... .
- D. Using a powered flexible hone, machine bearing I.D. to final size ... .

#### ASSEMBLY

##### 5. Rotor Assembly

- A. Lightly coat the bearing journal of rotor with petroleum jelly and install it into pump housing and through seal with a slight twisting motion. Seat lip of seal on

the rotor journal by running seal reseating tool, T-54, down the rotor shaft until its shoulder contacts the pump housing.

- B. Install retaining ring to secure seal.
- C. Coat the tongue and groove drive sections of rotor and drive coupling with ... grease.
- D. Slide retaining ring over the drive tongue of coupling. Fit coupling into rotor groove and secure with retaining ring.