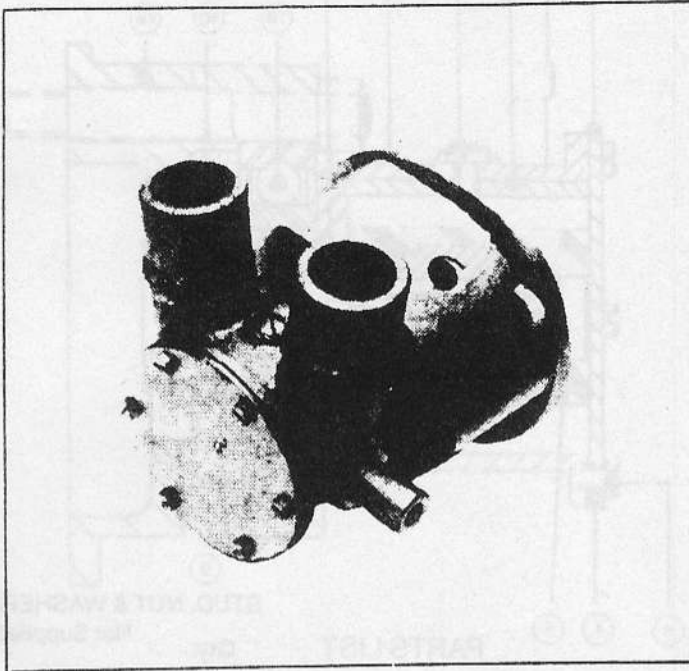


JABSCO®

PUMPS

MODEL 22740-0050



Body: **Bronze**
 Impeller: **Jabsco Neoprene Compound**
 Shaft: **316 Stainless Steel**
 Shaft Seal: **Carbon-Ceramic Face Type**
 Ports: **1¼" Hose Barb**
 Weight: **4 lb. 6 oz. (1.95 kg.)**

APPLICATION

Marine Engine Cooling

For Engine Models:

Volvo V-8 (Chevrolet block)

Alaskan Marine Engine

MODEL 22740-0050

INSTALLATION

The pump has been designed to mount inside the crankshaft pulley of the Volvo V-8 (Chevrolet block) engines. Other engines listed have the pump mounted on adapter flanges. The maximum engine speed this pump will operate at is 5200 RPM. The maximum discharge head the pump should operate against is 20 ft. (6m) H₂O. When the pump is installed to operate at maximum RPM, the installation design must minimize suction head (a high speed scoop on the hull fitting is recommended).

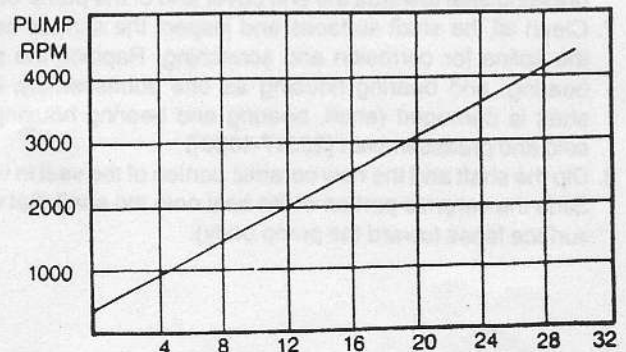
For installations where the pump is to be mounted on the crankshaft pulley, remove all belts that run off the crankshaft pulley. Remove the crankshaft pulley from crankshaft. New ¾" diameter bolts used to fasten the pump and pulley to the crankshaft must be 2.5" longer than the original bolts used to assemble only the pulley to the crankshaft.

Replace the pulley on the crankshaft, and place the pump in the pulley. Make sure that the locator pins in the crankshaft are properly aligned with the locator pin holes in the pulley and pump bearing housing. Insert and tighten evenly the three mounting bolts. Be sure that standard ¾" washers are used under the mounting bolts. These washers should overlap both the pump bearing housing and the pump bearing outer face.

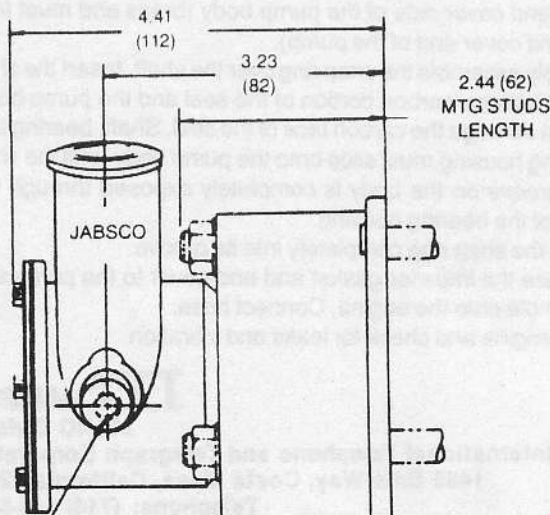
Replace all belts on the crankshaft pulley. Attach a torque arm/bracket from the torque arm boss on the pump to a convenient bolt on the engine. This torque arm must not impose a side force on the pump assembly. This could shorten bearing life in high RPM service.

Attach and double clamp the intake and discharge hoses (1¼" ID) to the pump ports. Be sure the hoses do not impose a side force on the pump assembly. This could shorten pump bearing life in high RPM service. Hoses should be flexible and supported by the engine (not the pump). Start the engine and run at low speeds. Check the installation for leaks or vibration.

PUMP FLOW CHART



APPROXIMATE FLOW IN U.S. GPM AT 10 PSI DISCHARGE PRESSURE



5/16-18 UNC-THD x .59

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 FORM 43000-0417 Rev. 10/81

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