

# SERVICE BULLETIN

DATE: March 27, 1985

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MODEL: W-46

SUBJECT: REMOVAL AND INSTALLATION INSTRUCTIONS FOR ENGINE-MOUNTED SEA WATER PUMP

The following procedure should be followed when removing and installing the sea water pump on the Westerbeke 46.

## A. PUMP REMOVAL

1. To remove the sea water pump from the front timing cover, remove the five (5) mounting flange attaching bolts with lockwashers and remove the pump and mounting flange together.
2. Remove the four (4) nuts, lockwashers and flatwashers securing the pump to the mounting flange and remove the sea water pump from the mounting flange. Service the sea water pump as needed.  
(Note position of pump on mounting flange to facilitate correct remounting.)

## B. PUMP INSTALLATION

1. Securely mount the raw water pump to the mounting flange. Use a new gasket and coat both surfaces with a good gasket cement.
2. Position the sea water pump slotted impeller shaft so as to mate with the sea water pump drive tang when mounted to the engine timing cover.
3. Loosely install the sea water pump and mounting flange onto the front timing gear cover. A new flange gasket should be used and both surfaces should be coated with gasket cement.

NOTE: The mounting flange securing bolt in Position #3 screws into a threaded portion of an engine oil gallery. The threads of this bolt should be coated with a sealing Loctite, and under the bolt head is used a neoprene type washer in lieu of a metal lock type.

4. With the shut-off lever in the "STOP" position, crank the engine with the starter. This will center the pump and mounting flange on the drive tang; then tighten the five (5) mounting bolts in the order shown.
5. Reconnect raw water hoses to the pump, start the engine and check for any leaks.

(See diagram on reverse side).



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