

SERVICE BULLETIN

DATE: 5 APRIL 2006

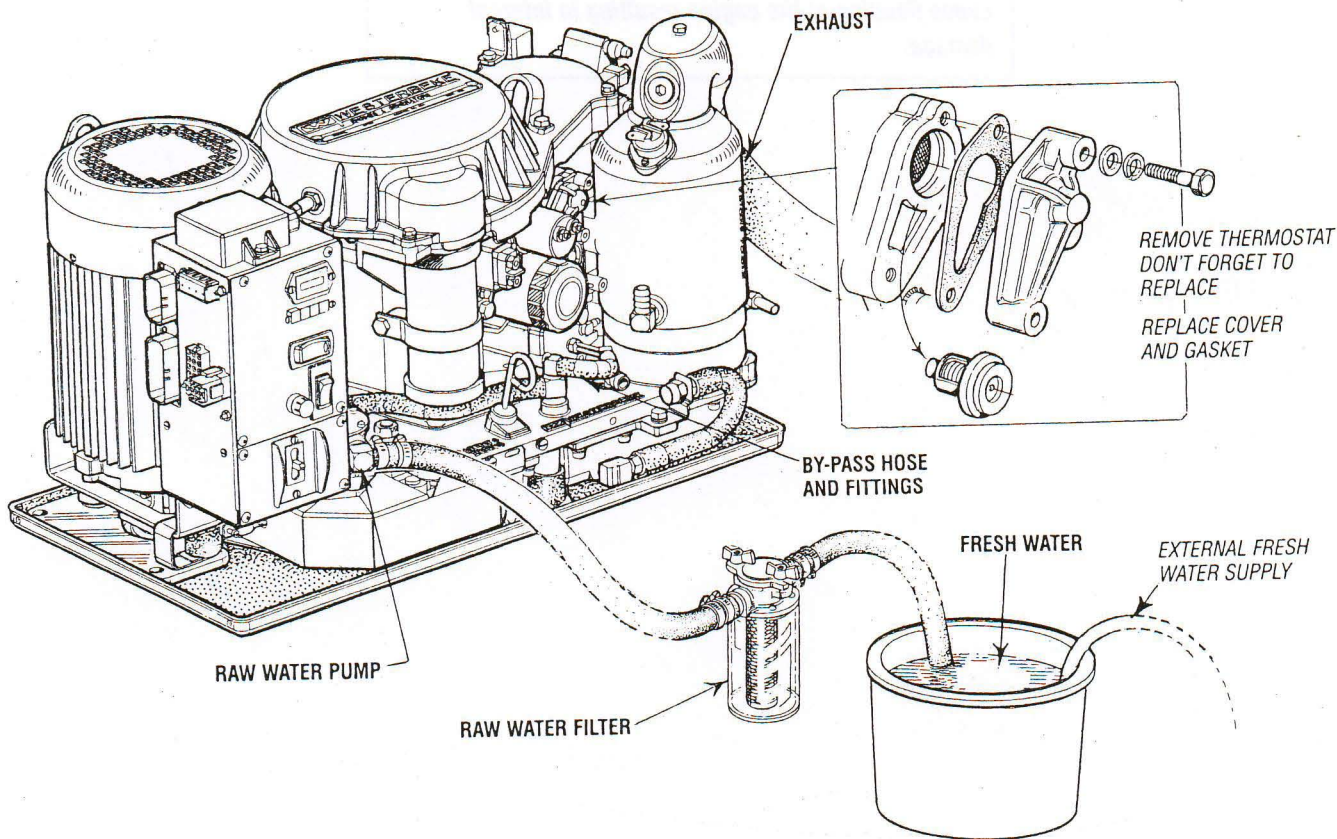
SERVICE BULLETIN #249

MODELS: BPMG GASOLINE GENERATORS
RAW WATER COOLED MODELS

SUBJECT: FLUSHING THE ENGINES COOLING SYSTEM

Engine flushing should be performed a minimum of at least twice per operating season, more often in those areas where the unit may not be subject to winter storage. In those locations where the unit is used year round, flushing the unit once every 4 months is recommended.

This procedure is best accomplished by disconnecting the water intake from the vessel's thru-hull fitting. Insert the hose end into a large container of fresh water. **Close the thru-hull intake valve before disconnecting the hose.**



Before starting the engine, remove the engine thermostat (replace the gasket and cover). This will ensure a full flow of water through the engine. **Re-install the thermostat once flushing is complete.**

NOTE: Prior to flushing the engine, inspect the coolant by-pass hose and its attachment fittings to insure that there are no obstructions occurring in the fittings or the hose.

Provide an external fresh water supply for the container to maintain the water level in the container while the unit is being operated during the flushing process. **(OVER PLEASE)**




WESTERBEKE CORPORATION • TEL. 1-508-823-7677
MYLES STANDISH INDUSTRIAL PARK,
150 JOHN HANCOCK ROAD, TAUNTON, MA 02780-7319

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Run the unit for 10 minutes or longer to adequately flush the cooling system.

The fresh water will flush out the engine's water passages and exhaust lines. If the engine is being stored and there is a probability of freezing, flush the engine with fresh water and then prior to shutting the unit down. Substitute the fresh water supply with a concentrated antifreeze mixture and run this through the engine to provide freeze and corrosion protection for both the engine and exhaust system.

When recommissioning, make certain the thru-hull intake valve is open so the engine will quickly receive cooling water.

 **CAUTION:** *Do not connect an external fresh water supply directly to the engine's cooling system. This can cause flooding of the engine resulting in internal damage.*