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CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS
"Place in a Service
Bulletin Binder"

A. WATER SHUTTER "CLATTER" - MCM 898R/228R/260R Models

If a customer complains about a "clattering" noise at idle RPM, install a new water shutter kit in each exhaust collector pipe. These new shutters have a coating which eliminates the "clattering" noise. The engine **does not** have to be removed from the boat to change these shutters. The water shutters are located at the top of the exhaust collector pipes. Order two (2) kits per engine.

Water Shutter Kit 99370A2

B. FUEL VAPOR LOCKING - MCM 470/485/488 Models

If a customer is experiencing a vapor locking condition on the above models, install a High Flow Fuel Pump Kit on the engine. Kits for the MCM 470/485 engines include a new fuel line (from the pump to the carburetor). The MCM 488 uses a different fuel line and this fuel line must be ordered separately.

MCM 470R/488R engines, starting serial numbers listed below, are using the High Flow Fuel Pump.

MCM 470R	6678196 and above
MCM 488R	6685796 and above

High Flow Fuel Pump Kit 42725A2

Fuel Line (MCM 488 Only) 32-43275A1

C. QUICKSILVER SUPER ENGINE OIL SUPPLEMENT (92-78372-12) IS BECOMING NO LONGER AVAILABLE

Today's Quicksilver 4 Cycle Marine engine oils, as well as many "SE" or "SF" engine oils on the markets contain higher quantities of calcium sulfonates and zinc dialkydithiophosphate than formerly used. These "extreme pressure" lubricants are the same as those used in Quicksilver Super Engine Oil Supplement. Therefore, Mercury Marine will no longer require the addition of Quicksilver Super Engine Oil Supplement at each oil change.

Quicksilver Super Engine Oil Supplement or its equivalent (G.M. Oil Supplement, Part number 1052367) can be used when installing new camshaft and lifters. Dip base of valve lifter into concentrate and pour remaining contents over camshaft lobes through lifter ports in cylinder block.

D. NEW RECOMMENDATIONS FOR MERCUISER ENGINE LUBRICATION

The following changes for engine oil have been made to all MerCruiser Operation and Maintenance manuals:

1. Prevailing daytime temperature versus viscosity recommendations:

50°F (10°C) and above - 40W SE or SF

32°F (0°C) to 50°F (10°C) - 30W SE or SF

0°F (-18°C) to 32°F (0°C) - 20W SE or SF

2. Engine oil recommendation:

IMPORTANT: The use of multi-viscosity oils specifically is not recommended for use in MerCruiser engines. In those areas, however, where the recommended straight weight oil is not available, a multi-viscosity 20W-40 ("SE" or "SF") or, as a second but less preferable choice, 20W-50 ("SE" or "SF") may be used. The use of multi-viscosity oils (other than 20W-40 or 20W-50), oils which contain "solid" additives, non-detergent oils, or low quality oils specifically are not recommended.