

- A. Change in Seawater Pump B-46-59112A2 and A3
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A. CHANGE in SEAWATER PUMP B-46-59112A2 and A3

(Attach New Service Bulletin Reference Sticker to P. 7D-1 in Your MerCruiser Service Manual.)

The screw, which retains the cam segment in the B-46-59112A2 and A3 latest-style seawater pump, must be made of brass material. If the pump contains a STEEL screw, it must be replaced with BRASS screw B-10-60777. DO NOT USE SUBSTITUTES. The steel screw can erode away, thus permitting the cam segment to turn in the water pump, with subsequent pump failure.

IMMEDIATELY INSPECT all B-46-59112A2 and A3 seawater pumps in your stock and on engines in boats, replacing steel screws which retain the cam segment.

Inspect the following models:

MerCruiser 325, Serial No. 3042731 and above

MerCruiser 270, Serial No. 3040411 and above

MerCruiser 215, Serial No. 3077336 and above

Also inspect all replacement pumps B-46-59112A2 and A3 installed on older models.

Order immediately:

C-10-60777

Brass Screw, Seawater Pump

\$.15 U.S. List

B. WATER SEPARATING TYPE FUEL FILTERS

(Attach New Service Bulletin References Sticker to P. 1B-11 on Your MerCruiser Service Manual.)

Water separating type fuel filters on MerCruiser Stern Drive and Inboard Engines must be replaced at least once each year or when it contains water and other foreign material sufficient to lose its filtering efficiency. If the water (particularly salt water) is allowed to remain in the metal canister for a long period of time, it can cause the canister to corrode through and possibly discharge gasoline into the engine compartment, thereby causing a potential fire hazard.

Whenever winterizing or performing a spring tune-up on a customer's boat, impress upon him the importance of replacing the fuel filter. If the filter loses its efficiency, sufficient fuel cannot be supplied to the engine's carburetor.

The seal ring on the fuel filter cartridge is bonded securely to the cartridge and is not available as a separate item, since secure bonding can be assured only if the bonding is completed under carefully-controlled conditions.

The fuel filter cartridge should not be removed and re-used. The mechanical action of repeatedly tightening the cartridge to the housing may break the seal-to-cartridge bond and result in a fuel leak.

(OVER)

C. HIGH ALTITUDE PERFORMANCE - MERCUISER ENGINES

(Attach Service Bulletin Reference Sticker to P. 8-23 in Your MerCruiser Service Manual.)

High ^{elevation} altitude performance tests have shown that very little performance improvement is realized by increased spark advance or carburetor recalibration. On the contrary, reprogramming the unit to run at its rated RPM has shown a significant increase in performance. Based on this testing, our general recommendation should be to "reprop the unit to its rated RPM in order to obtain maximum performance".

Any recommendation, other than changing props, to obtain rated RPM should be considered a special case and referred to the factory branch or area distributor for specific jet sizes and spark timing settings. These recommendations should not be made until the customer is made fully aware of the following points:

1. Operating an engine with the above changes at lower elevation will cause engine failure.
2. Making the above changes (leaner jets and advanced spark timing) will result in increased fuel economy, but will not have a significant effect on performance.

D. FORMULA 4R - SAE 20 QUICKSILVER CRANKCASE OIL

(Attach Service Bulletin Reference Sticker to P. 1C-5 in Your MerCruiser Service Manual.)

MerCruiser Service Bulletin No. 71-10 (dated June 24, 1971) and Service Memo No. A-136 (dated June 4, 1971) were entitled "Revised Crankcase Oil Recommendations and 20-Hour Break-In Procedure for MerCruiser Engines." They contain information which indicates that SAE 20W "MS" or "SD" is recommended for break-in and for operation from 0°F to 32°F prevailing daytime temperatures. We now have a sufficient supply of Formula 4R SAE 20 to fill your requirements. Place your orders today:

C-92-61752-24	Formula 4R SAE 20, Case of Quarts	\$ 20.50 U.S. List
C-92-61762-1	Formula 4R SAE 20, 5-Gallon Can	16.00 U.S. List
C-92-61772-1	Formula 4R SAE 20, 55-Gallon Barrel	132.90 U.S. List