



MERCRUISER SERVICE BULLETIN

Section: VIII (Engine,
Mechanical)
Number: X64-01
Date : 1/2/64

MerCruiser Marine Engine Replacement Parts

Beaver Dam, Wis.
U.S.A.

MERCUISER MARINE ENGINE REPLACEMENT PARTS

When four-cycle, automotive-type short blocks are used for marine applications, such as MerCruiser Marine Engines, various changes must be made during production of the basic block.

Since the engine is subject to continuous heavy-duty applications at wide open throttle and is operated in both fresh and salt waters, numerous special parts must be installed. The internal working parts are of different specifications than those of the standard automotive engine, and care should be exercised when replacing these parts.

To be assured of receiving the correct parts, the parts must be ordered from the local MerCruiser dealer under the MerCruiser part number.

One of the most important, and probably least suspected, special replacement parts is the cylinder head gasket. Since salt water is highly corrosive, the standard steel-type head gasket cannot be used. The head gaskets required for marine engines are special copper-coated gaskets which resist the salt water corrosive action. If the steel head gasket is installed, it will rust through within a very short period of time.

The cylinder block and cylinder heads have special brass expansion plugs which replace the common steel expansion plugs. The thin steel plugs used in automobiles soon rust out in marine use, with consequent loss of cooling water.

Since marine engines must run at or near top speed much of the time, special valve springs, valve lifters and related parts are required for long life and best performance. Automobile engines rarely are used at top speed for any length of time and do not require these special quality items. Use of such automobile parts in marine engines can be disastrous.

These are but a few of the many special parts used in the basic block assemblies of the MerCruiser Marine Engines to provide maximum satisfaction. It is most unwise to substitute automobile parts, which might look like the original MerCruiser part, but which may be completely unsatisfactory.

The Kiekhaefer Corporation's branches and distributors carry a complete stock of all MerCruiser Marine Engine parts, whether standard, heavy-duty or special replacement parts, for immediate delivery to the dealer.

Failure to replace engine parts with the recommended replacement parts, as listed in the MerCruiser Parts and Service Manual, will result in the engine warranty being voided and may cause poor engine performance or possibly complete failure.