

NUMBER: 83-1

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

- A. Use of SAE 30W Oil for Engine Break-In - All Models
- B. Battery Requirements for MerCruiser Engines - All Models
- C. Replacement Ignition Resistance Wire - All Models

A. USE OF SAE 30W OIL FOR ENGINE BREAK-IN - ALL MODELS

SAE 30W Quicksilver 4-Cycle Marine Engine Oil is now being used in the crankcase of all MerCruiser Engines for break-in. If Quicksilver 4-Cycle Marine Engine Oil is not available, use any good grade, detergent SAE 30W "SE" or "SF" oil. DO NOT USE Quicksilver Engine Oil Supplement with SAE 30W oil during the break-in period. After the break-in period, Engine Oil Supplement can be used. Listed below are the starting serial numbers:

MCM 120	6255466
MCM 140	6256955
MCM 470	6257008
MCM 488	6299270
MCM 898	6260100
MCM 228	6259640
MCM 260	6250990
MCM 330	6301823

MIF 230, 260 and 340 - no serial numbers available. Engines produced after August, 1982 had SAE 30W oil in the crankcase.

B. BATTERY REQUIREMENTS FOR MERCUISER ENGINES - ALL MODELS

To obtain adequate cranking power for the 4 cycle MerCruiser engine, select a battery with a "Cold Cranking Amperage" of no less than:

- 2 amperes per cu. in. displacement for 4 cylinder engines
- 1½ amperes per cu. in. displacement for 6 cylinder engines
- 1 ampere per cu. in. displacement for 8 cylinder engines

If auxiliary equipment such as bilge pumps, radio, T.V. or other electrical accessories are going to be used, without the engine running, the "Reserve Capacity" rating (along with the "Cold Cranking Amperage" rating) should be taken into consideration.

The "Reserve Capacity" rating indicates the amount of time a fully charged new battery at 80°F (27°C) will deliver 25 amperes to a load before being exhausted. At the end of this time period, the battery will probably not be able to crank the engine until being recharged. The "Reserve Capacity" rating was developed by the automotive industry in order to give some indication of the length of time that the automobile headlights can be left on before the battery is exhausted. This rating replaces the obsolete "Ampere Hour" rating which was based on a discharge rate over a 20 hour period.

"Deep Cycle" batteries may not be suitable when used as a "Cranking" battery on MerCruiser engines. These batteries are normally constructed to withstand "deep cycle" use (charge and discharge at moderate current levels). If a "Deep Cycle" battery does not have a "Cold Cranking Amperage" rating, DO NOT use it as a cranking battery.

Listed below are the minimum "Cold Cranking Amperage" battery ratings to be use on MerCruiser engines.

BATTERY COLD CRANKING AMPERAGE			
305	350	375	450
MCM 120	MCM 185	MCM 140	MCM 470
MCM 898	MCM 260	MCM 165	MIE 470
MCM 228	MIE 255		MCM 485
MIE 228	MIE 260		MCM 488
MIE 230			MCM 330
			MIE 330
			MIE 340
			MCM 370

C. REPLACEMENT IGNITION RESISTANCE WIRE - ALL MODELS

In the past, if the ignition resistor wire had to be replaced, the complete engine wiring harness had to be changed. A replacement ignition resistance wire is now available. To install the replacement wire, follow the instructions that come in the kit.

Resistance Cable

84-94227A2