

WARRANTY INFORMATION SERVICE INFORMATION

Important Fuel Recommendation Change

Models Affected

All Mercury Racing outboard engines that have been or are currently being sold with a warranty.

Models Not Affected

Any Mercury Racing outboard engine sold without a warranty as a race engine. Many of these engines require racing fuel. Consult your Operation and Maintenance Manual for the correct fuel to be used with any race engine.

Fuel Requirement

IMPORTANT: Disregard any previous service bulletins or service information that recommends the use of any fuel octane rating below $(R + M/2)=92$ (98 RON) for use in a Mercury Racing warranted outboard.

UNITED STATES AND CANADA

Use a major brand of automotive unleaded premium gasoline with a minimum posted octane rating $(R + M \div 2)$ of 92, preferably without alcohol. Read the information about **alcohol in gasoline** following. Automotive gasolines that contain fuel injector cleaner are recommended for added internal engine cleanliness. Leaded gasoline is not recommended.

INTERNATIONAL

Use a major brand of automotive unleaded premium gasoline with a minimum posted octane rating of 98 RON. Automotive gasolines that contain fuel injector cleaner are preferred for added internal engine cleanliness. Leaded gasoline is acceptable in areas where unleaded gasoline is not available. However, corrosion may occur in the exhaust passageway due to the accumulation of exhausted lead particles.

ALCOHOL IN GASOLINE

We do not recommend gasoline containing alcohol due to the possible adverse effect the alcohol may have on the fuel system. If only gasoline containing alcohol is available, it must not contain more than 10% ethanol or 5% methanol, and the addition of a Mercury Marine Water Separating Fuel Filter is recommended.

If gasoline containing alcohol is used or if you suspect the presence of alcohol in your gasoline, increase your inspection of the fuel system, visually checking for fuel leaks or abnormalities.

Gasoline containing alcohol may cause the following problems to your outboard and fuel system:

- Corrosion of metal parts.
- Deterioration of elastomers and plastic parts.

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- Fuel penetrating through flexible fuel lines.
 - Wear and damage of internal engine parts.
 - Starting and operating difficulties.
 - Vapor lock or fuel starvation.

The tendency of gasoline containing alcohol to absorb moisture from the air results in a phase of water and alcohol which separates from the gasoline in the fuel tank.

The adverse effects of alcohol are more severe with methanol and are worse with increasing content of alcohol.