

All Models RI5060, 5061, 5062

Ethanol Fuel Usage

With the increase in fuel costs and availability of E-85 Ethanol fuel, customers should be made aware of Flexible Fuel Vehicle (FFV) and Non-FFV fuel compatibility. FFV's can operate on straight gasoline or any ethanol fuel blend up to 85%. ANY Mazda vehicle that is not identified as an FFV, **INFORM CUSTOMERS TO NOT USE** any blend of fuel with Ethanol of more than 10% (such as E-85 or Gasohol) or any blend containing Methanol or lead.

Vehicle damage and driveability problems resulting from the use of the following gasoline blends in **NON-FFV Mazda vehicles** may not be covered by the Mazda warranty; *E85, gasohol containing more than 10% ethanol, gasoline or gasohol containing methanol, leaded fuel, or leaded gasohol.*

FUEL BLEND QUICK FACTS:

- Nearly 46% of U.S. gasoline produced contains some ethanol such as seasonal "oxygenated" fuels (OK in FFV's and Non-FFV's).
- Nearly one third of U.S. gasoline produced contains up to 10% ethanol (OK in FFV's and Non-FFV's).
- E10 fuel and certain blends of Gasohol contain a max. of 10% ethanol (OK in FFV's and Non-FFV's).
- E85 fuel contains 85% ethanol (OK in FFV's ONLY).

Customers should be advised to check their vehicle's owners manual and use the fuel specified for their Mazda vehicle. Also check the fuel filler door for the recommended fuel. If the vehicle is not specified as an FFV, **ANY BLEND OF FUEL CONTAINING MORE THAN 10% ETHANOL OR ANY METHANOL OR LEAD IS NOT TO BE USED.**

Example of FFV Label
(Actual Label May Vary in Design and/or Content)



Use of E-85 fuel or Gasohol with more than 10% ethanol or any methanol in a Non-FFV Mazda vehicle may cause driveability concerns, setting of the Malfunction Indicator Light (MIL) and damage to the fuel system. In the event a MIL appears on a Non-FFV vehicle, the following DTC's may be stored in PCM memory:

- P2177 - Fuel system too lean at off idle (Right bank)
- P2179 - Fuel system too lean at off idle (Left bank)

If there is suspicion that E-85 fuel (85% Ethanol), fuel with more than 10% ethanol or any fuel containing methanol or lead has been used in a Non-FFV Mazda vehicle and/or DTC's P2177 or P2179 are found, use M-MDS to monitor fuel trims. If the short term fuel trims are or more than +10%, high alcohol (ethanol / methanol) content or poor fuel quality may be present. Test fuel and continue to monitor fuel trims. If fuel trims do not indicate a fuel type or quality concern, continue diagnosis using Workshop Manual procedures.