

Quick Guide for eFlexFuel

Thank you for your decision to become an eFlexFuel driver. By choosing Finnish renewable ethanol fuel made out of waste you will significantly reduce your emissions and save money.

eFlexFuel has been installed to thousands of different vehicles and our customers drive over 10 million kilometers with the device each month. Furthermore, the E85 ethanol fuel that is available in Finland is a highly advanced biofuel with lubrication and corrosion prevention features on par with regular gasoline. Therefore, you can trust that you can use E85 fuel in your vehicle safely.

eFlexFuel operates completely automatically and after installation does not require any attention from the user. However, to ensure the optimal functionality of the device the vehicle should be adequately maintained and in normal working condition. In this guide we will briefly tell about using eFlexFuel and ethanol fuel to ensure that you have the best possible driving experience no matter which fuel you use.

eFlexFuel vehicle maintenance

When driving with eFlexFuel and ethanol fuel you can still follow the regular maintenance schedule recommended by the manufacturer of your vehicle. We recommend to ensure that especially the following components are in normal working condition:

- Spark plugs: Usually the replacement interval recommended by the manufacturer is appropriate
- Fuel filter (if there is): Replacement preferably every 50 000 km
- Motor oil and oil filter: Always use the oil recommended by the vehicle manufacturer with SN classification. If the oil change interval is 15 000 km or less it is sufficient. If the oil change interval is 30 000 km or 24 months we recommend to cut it down to 20 000 km and 18 months
- Fuel pump: If the vehicle has done over 200 000 km with the same fuel pump its performance might have deteriorated. Ethanol needs to be injected more than gasoline and thus the condition of the fuel pump is crucial. As fuel pump is a component that wears out it should be replaced if needed. Based on our experiences we recommend pumps from quality manufacturers like Bosch, Delphi and Walbro.

Please note that besides the mileage and the age of the vehicle the circumstances where the it is used and the way it is driven has a great impact on the durability and maintenance needs. For instance, if the vehicle is driven for only short distances in cold the maintenance intervals should be shorter no matter what fuel is used.

eFlexFuel vehicle in winter conditions

eFlexFuel has been designed, tested and manufactured in one of the coldest countries on earth, Finland. Thus, lot of emphasis has been put into ensuring that the device and the vehicle will work also in extreme cold. eFlexFuel vehicle will start even in the coldest temperatures. But in the most extreme conditions with pure E85 fuel it might require couple of starts. We highly recommend using an engine heater whenever it is possible.

If the vehicle is properly maintained it can be driven with E85 fuel around the year. If cold starts are sluggish we recommend to add up to 10% of regular gasoline in the tank. This can be done by for example filling up with 10 liters of regular in every other fill up.

Filling up and consumption of eFlexFuel vehicle

eFlexFuel enables using both regular gasoline (95E10/98E5) and ethanol (E85) or any mix of the two in the vehicle. We highly recommend using fuel with as high ethanol content as possible (E85) but if it is not available the vehicle will still work perfectly on regular gasoline as well. When E85 is used the consumption of the vehicle compared to regular gasoline is increased by approx. 25% depending on the vehicle. Please do note that the onboard computer of the vehicle does not recognize this change.

Fuel stations in Finland with E85 fuel available can be found from Tankille app or from our website eflexfuel.fi/e85_asetat

Conversion inspection

This part provides information about how to register the car as an flexfuel vehicle in Finland. If something similar is available at your market that the customers should know about this is the section for that.

eFlexFuel App

eFlexFuel App is an additional feature that is not required for using eFlexFuel. It enables monitoring in real time engine and fuel data. User can for example view the ethanol content of the fuel or the injector duty cycle. eFlexFuel App can be downloaded for free from Google Play store or from App Store. More information about the app can be found [here](#).

Support

If eFlexFuel or ethanol fuel raises questions you can find answers online and contact details of our customer service from eflexfuel.fi/info and eflexfuel.fi/tuki

eflexfuel.fi etanoliautooilijaksi.fi

