

Fuel Line Cut Solenoid Valve

The fuel pump (low pressure side) is equipped with a fuel line cut solenoid valve which helps facilitate restart of the engine when it is still hot.

When the engine is shut down after propelling a boat, fuel vapor may form in the low-pressure fuel line due to the heat remaining under the engine cover. The fuel vapor can cause vapor lock which prevent the engine from being supplied with fuel by the fuel pump (low pressure side), so it may result in difficult hot engine starting or engine stall.

The fuel line cut solenoid valve is a mechanism that lets the vapor trapped in the low-pressure fuel line escape into the vapor separator to prevent the vapor lock.

The fuel line cut solenoid valve opens under the following conditions.

Fuel cut solenoid valve opening conditions	Opened time
When the ignition switch is ON.	For 4 seconds
When the engine temperature sensor detects 60°C (140°F) or more and both the engine speed and engine load are in excess of given values after the engine has been restarted.	For 50 seconds

