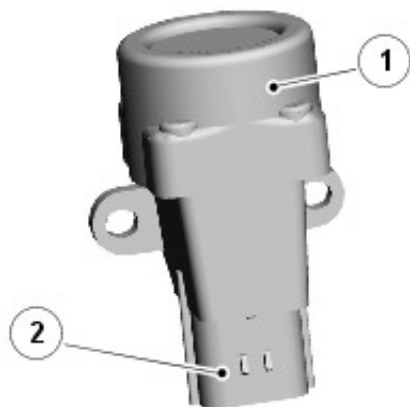


Three fuel line assemblies connect the feed and return flow from tank to the filter, filter to the cooler and cooler to the engine.

The fuel lines are constructed from conductive 1 mm thick nylon with 2 mm thick santoprene fire resistant, anti-abrasive coating throughout. The fuel feed line has a larger diameter than the return.

INERTIA SWITCH



E138892

Item	Part Number	Description
1	-	Rubber cap
2	-	Electrical connector

The inertia switch, when activated, causes the [ECM](#) to disable engine fuel injection and the fuel tank pump.

The inertia switch is installed in the engine compartment, on the engine bulkhead. When the ignition switch is in the ignition on and crank positions, battery voltage from the [BJB](#) is supplied to the inertia switch. While the inertia switch is in the de-activated state, the voltage passes through the normally closed contacts of the switch to the [ECM](#). If an impact of a given force occurs, the inertia switch contacts open and disconnect the voltage signal to the [ECM](#).

After it has been activated, the inertia switch can be reset by pressing down on the rubber cap.

LOW FUEL INDICATION AND RUN DRY STRATEGY

The run-dry strategy is used to maintain the systems fuel prime at fuel run out. It ensures the minimum amount of fuel is always left in the swirl pot.

The instrument cluster activates the yellow low fuel warning light (next to the fuel gauge) with 17% of fuel remaining in the tank. The fuel gauge will indicate empty with 12% of fuel left in the tank.

With 6 liters left in the tank the run-dry strategy will be invoked. An engine mis-fire will be induced for approximately 1 mile after which the engine will be shut down. The engine can be re-started in mis-fire mode and will continue to run for a further mile until the engine shuts down again. This can be repeated until the fuel suction port in the tank is uncovered and causes engine fuel starvation and loss of prime. Re-starts after run-dry shut down are not recommended.

CONTROL DIAGRAM

NOTE: [A](#) = Hardwired.