

TECHNICAL FEATURES

BANK ANGLE SENSOR

When a vehicle equipped with carburetor is overturned, engine stops automatically because change of fuel level in the float chamber occurs and fuel is no longer supplied, whereas engine with PGM-FI system would not stop as the pressurized fuel keeps spraying.

In order to stop the engine with PGM-FI when the vehicle is overturned, bank angle sensor, which detects angle of the vehicle, is equipped. When the vehicle is tipped more than $49 \pm 4^\circ$, it cuts off the power supply to fuel pump and PGM-FI system by cutting off current to engine stop relay.



The center line of pendulum inside the bank angle sensor would be kept straight with the center line of vehicle when turning as the centrifugal force is applied to the pendulum, while it would be offset when the vehicle is overturned as the centrifugal force does not work.

When the center lines of pendulum and the vehicle is offset more than specified angle, bank angle sensor stops the engine by shutting off the power supply from engine stop relay.

