



Ford Fiesta from model year 1989 with 1.1 and 1.3 l HCS injection engine Ford Escort from model year 1990 with 1.3 l HCS injection engine

Vehicle jerks and engine stalls.

If there are complaints with these vehicles that the engine jerks or stalls, this could be caused by an incorrect value from the manifold absolute pressure sensor (MAP sensor).

This does not necessarily mean the sensor is faulty, rather the problem is the vacuum hose (see photo) from the suction pipe to the sensor. Oil vapours and ageing soften the hose material, allowing it to close up when the engine is running. This interrupts the connection between the suction pipe and the sensor, leading to incorrect values.

This fault can sometimes be spotted during a visual inspection with the engine running or by touching the vacuum hose. At the point where the hose closes up it is very soft and can be pressed together very easily under finger pressure.



MAP sensor

Hose