



Blue Print ADB116106

To fit: Various Citroën, DS, MINI & Peugeot models

Engine: 1.4, 1.6 petrol



Rocker Cover with vent valve and gasket

Problem

The radiator cooling fans run continuously after an engine service where the spark plugs or oil and filter have been replaced. Engine warning lamp illuminated and engine ECU fault code P0171 – Fuel Trim System Lean Mixture stored.

Cause

The engine management system (Motronic MEV.17.4) fitted to these vehicles activates the cooling fans at high speed as a protective measure when it detects a fault related to engine load or exhaust/emissions management.

This engine also has a specific design where it operates without traditional vacuum, instead the engine rocker cover and the oil filler cap are sealed from the environment.

Due to constant heat cycles in engine operation the sealing gaskets of the rocker cover deteriorate over time. There is also the possibility that the gasket sealing surfaces are disturbed during an oil change or repair, leading to the engine drawing in unmetered air from the environment. This can happen without noticeable noise or an unstable idle, making it harder to detect and diagnose.

Solution

A smoke leak tester can be useful to find and confirm these air leaks. Once diagnosed, replace complete rocker cover assembly with Blue Print ADB116106 - which includes new gaskets and seals - then clear and reset any fault codes relating to this issue.

For more technical information please visit: partsfinder.bilsteingroup.com