

To fit: Ford B-Max 2012-17, Ecosport 2012-,
Fiesta IV 2008-17, KA+ 16-



Figure 1



Figure 2

EN

Coolant Expansion Tank

Problem

Coolant loss and engine misfiring but only when the engine is at operating temperature and under load.

Engine management lamp illuminated.

Cause

Due to thermal stress and engine drive cycles with dramatic changes in temperature, the coolant expansion tank becomes brittle and discolours, leading to cracks appearing in the plastic, sporadically leaking coolant. Under certain conditions this can result in hot coolant being forced under pressure over the engine, soaking the ignition leads and spark plugs with coolant. This leads to the engine misfiring.

Solution

Check the condition of the coolant expansion tank. If it has discoloured (Fig.1) then the plastic has become brittle with age and could be at risk of cracking and leaking. If found in this condition during routine maintenance replacement is advised before any coolant loss issues occur.

If the vehicle is displaying symptoms of an engine misfire, check for any fault codes stored in the engine control unit, and then remove the ignition leads. Inspect for corrosion and condition and for any coolant build up around the spark plugs, replacing parts as required.

To fit a new coolant expansion tank it may be necessary, depending on the model, to remove the headlamp for ease of access. Unclip all hoses and pipes, drain the excess coolant, then free the expansion tank from the metal tags securing it to the inner wing.

Replace with new febi Expansion Tank 188342 and Cap 105933, clip into place, and refit all hoses and pipes. Top up the cooling system with fresh coolant mixture (Fig.2) and refit the headlamp as required.

Start engine, check for any leaks and the smooth running of the engine.

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