

Models LD - Defender

Title 2.4 Puma Engine Knock Noise.

Last Modified 21-JUL-2008 09:44

Category Engine

Symptom 497000 Engine Noise

Issue:

Heavy audible knocking heard on start up.

Cause:

On start up oil pressures can cause the piston cooling jets, (PCJ), to latch into a zero flow condition. Due to hysteresis effect in design the jets do not unlatch until the engine is warm and the oil pressures lower again. During this time with no pressurized oil jet flow to the lower pistons / cylinder bores, overheat and scuff conditions / damage can occur.

Content

Action:

Replace the engine assy but ensure only engines post serial # **ELD00080707063602** are used.

This condition will not occur on vehicles post assured **Vin# 9A767162**.

Engines post the info above are fitted with modified PCJ internal springs and this issue is now closed.