

TECHNICAL TOPICS

POWERTRAIN



Rough Running and/or Check Engine MIL

Customer Voice:

- The engine is running rough.
- There is a hesitation.
- The Check Engine MIL goes on and off.
- There is a noise on startup.

Technical Description:

- Repairs were previously performed where the timing of the engine was set.

Status:

- Any time previous timing repairs were performed and a vehicle complaint that can be related is received, confirm the base mechanical timing of the engine.
- It is possible that the TOPlx Workshop Manual instructions were not followed exactly and it has resulted in the timing being off.
- It is possible for the timing to be off enough to affect the engine running quality, but not enough to trigger a DTC for camshaft/crankshaft correlation.
- Whenever any work is performed on a vehicle relating to the base timing of the engine, it is imperative that the TOPlx Workshop Manual instructions are always followed EXACTLY as listed!

Range Rover, RR Sport, Discovery, LR4, RR Velar, RR Evoque, Discovery Sport, F PACE, F TYPE, XE, XF, XJ, E PACE equipped with AJ126, AJ133, or GTDI Engines

CAUTIONS:

- Do not overturn the camshafts.
- Tighten the wing nuts finger tight. Failure to follow this instruction may result in damage to the components.

Install the torque wrench to the special tool.
Torque: 35Nm

Install the special tool. If the special tool cannot be installed, remove both timing chains and components and repeat the process from step 3 of the installation until the special tool 303-1445 is installed correctly.
Special Tool(s): 303-1445

