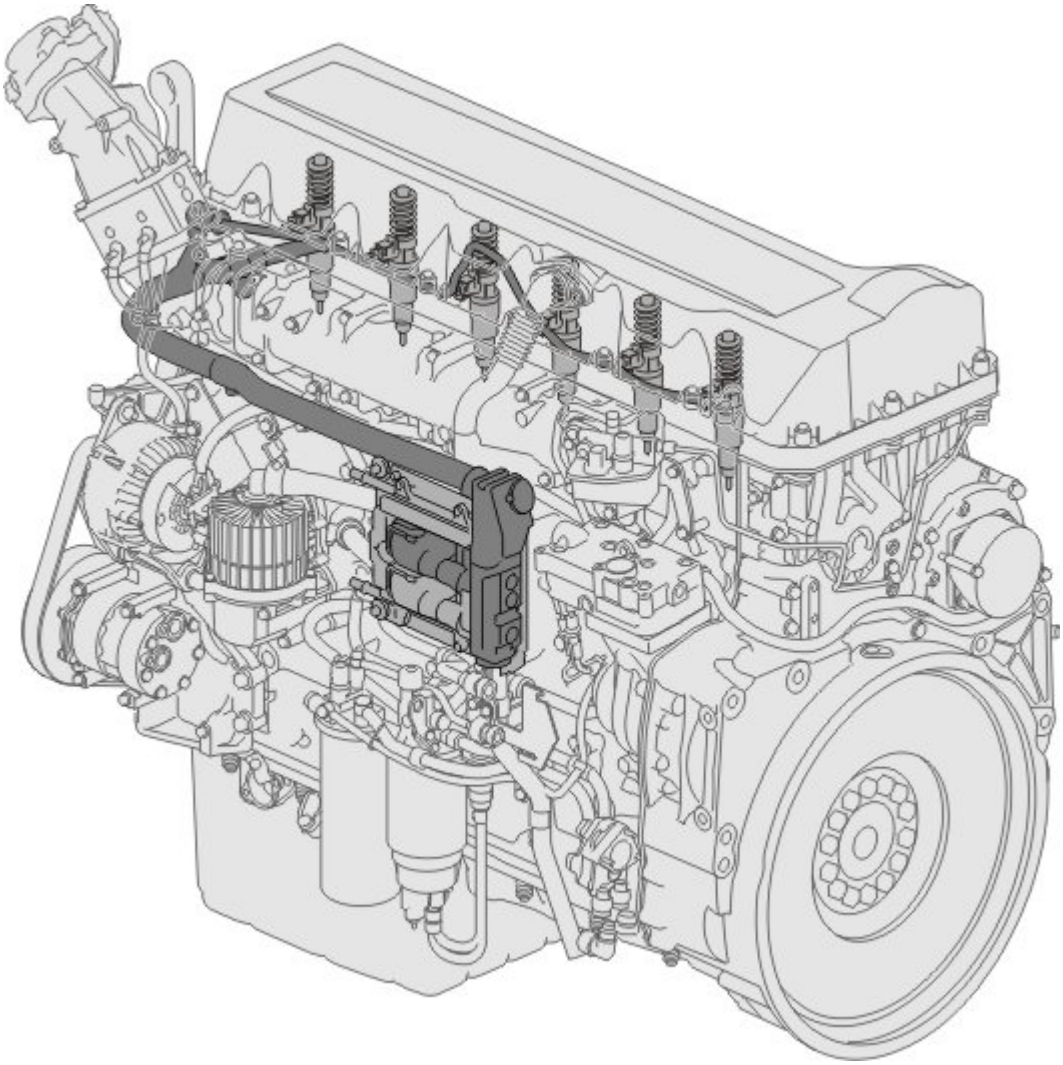
P02CD - Cylinder 1 Fuel Injector Offset Learning at Max Limit



Fault type	Condition for Fault	Observable Symptoms	Possible cause
P02CD FTB00	• Unit injector activated. • Cylinder balancing data too high.	• Low power. • Uneven operation. • Abnormal noise.	• Excessive wear or damage to cylinder liners, piston, or piston rings. • Valves and rocker arms. • Camshaft. • VCB control valve sticking or slow to close. • .Injector 1

Rocker arm shaft oil pressure, Check

Special tool No.:

9998339, 9998338, 992371, 930431

Precondition:

Oil temperature: 32 - 38°C (90 – 100°F)

Action:

- Connect measurement tools.
- Engine running.
- Engine speed at idle.
- Measure oil pressure.
- Set the engine speed to 1800rpm.
- Measure oil pressure.

Reference value:

P = Less than 125kPa (18psi)

Rocker arm shaft oil pressure, Check:

Precondition:

Oil temperature: 82 - 92°C (180 – 200°F)

Action:

- Connect measurement tools.
- Engine running.
- Engine speed at idle.
- Measure oil pressure.
- Set the engine speed to 1800rpm.
- Measure oil pressure.

Reference value:

P = Less than 115kPa (17psi)

Mechanical Check:

- Check the Power take-off parameters of Injector.
- Visual check the Injector for any damage.
- Check the part number of Injector.
- Adjust the valves (clearance) and Injector.
- Check the rocker arm bushing for specified clearance and adjustment.
- Check the Injector tip for damage and cracks.
- Check the piston and piston rings.