



DIESEL CR TURBO ENGINE FOR DISASSEMBLING AND ASSEMBLING

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Product number

VIVV01-RHX



Trainer for disassembling and assembling for CR-type diesel engine with a turbocharger, mounted on a manually rotating stand for 360° access. It features a complete timing and auxiliary belt system and is equipped with a mobile base on four castors for easy movement during disassembling or assembly.



Features

- Based on OEM car engine equipped with a CR-type fuel supply system and a turbocharger.
- Engine mounted on a manually operated stand with 360° rotation using worm and wheel gearboxes for comprehensive visibility and access.
- Equipped with four castors for easy movement and repositioning in the classroom or workshop.
- Complete system for practical demonstration of timing and auxiliary belt operations.
- Engine is presented without wiring diagrams or sensors to focus on mechanical and assembly aspects.

Value for Students

- Engage with a fully functional CR-type diesel engine, gaining practical experience with the turbocharged system and the Common Rail fuel supply, which provides insights into high-pressure direct fuel injection systems and their operational benefits.
- Develop technical skills by performing detailed engine assembly and disassembly. Understanding the engine's internal components, such as pistons, crankshaft, camshaft, and turbocharger, enhances comprehension of engine mechanics and repair techniques.
- Learn about engine timing and auxiliary belt systems, including their roles in engine synchronization and operation. This knowledge is crucial for ensuring engine performance and reliability.
- Study the working principles of the turbocharger and its impact on engine efficiency and power output. The CR system's high-pressure injection and its influence on combustion efficiency are key learning points.

