



### Description

- For timing chain replacement training
- Auxiliary drive belt replacement training
- DOHC twin overhead camshaft
- 4 valves per cylinder
- Water cooling, 12V alternator

### Technical specifications and functions

#### Visible components of the sectioned engine model:

- Engine block
- Head and valves
- Crankshaft
- Connecting rod
- DOHC dual overhead camshaft (camshafts, valves, valve lifters, water pump and etc.)
- Pistons with rings
- Timing chain with camshaft sprocket and tensioners, oil pump
- Alternator belt with tensioner

#### The cutaway model is designed to demonstrate:

Piston, rings, combustion chamber, intake and exhaust ports, DOHC components, injector and glow plug positions in a combustion chamber;

Operation of the DOHC mechanism by turning the crankshaft\*;

\*Training cut-away model is not suitable for intensive rotation. All rotating parts must be lubricated before the rotation.

#### Timing chain and alternator belt replacement

The educational cutaway engine model contains all elements of the original car: timing chain, tensioners, alternator belt, crankshaft sprocket and etc. Using instructions and recommendations it is possible to demonstrate chain replacement procedures. Torque measurements of the components can be performed by using special tools.

Note: Specifications are subject to change.

**Other**

- Minimal space for training and storage
- Minimal weight in order to avoid additional transportation or mounting stands. Demonstrations can be performed on any workbench or tool trolley
- Cross-section of the trainer is protected with safety plastic protection
- The training model is equipped with fasteners
- Dimensions approx. (HxLxW): 750x670x440 mm
- Nett weight approx.: 81 Kg

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in Petrol DOHC MPI engine ½ cutaway Educational Trainer AT0191 operate and its technology.

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