



Cutaway turbocharger trainer designed for automotive education purposes. Based on a Holset variable geometry turbocharger used in heavy-duty truck diesel engines. Features cross-sectional view of all main components including turbine housing, compressor housing, rotating assembly, actuator, vanes, and control mechanism.

Features

- Real OEM components ensure authenticity and reliability in training.
- Cutaway model allows for visual and practical exploration of otherwise concealed parts.
- Demonstrates key operational principles such as clutch engagement and disengagement, and torque transmission.

Value for Students

- Understand variable geometry turbocharger (VGT) operating principle.
- Learn how vanes inside turbine housing adjust to optimize boost pressure.
- Study cross-section of turbine wheel, compressor wheel, bearing housing.
- Visualize exhaust gas flow, pressure control, and variable vane adjustment.
- Learn actuator function and boost control mechanisms in diesel engines.
- Identify and name turbocharger components such as wastegate (if present), rotating assembly, and oil inlet/outlet paths.
- Develop basic diagnostic knowledge of VGT systems used in modern truck engines

Value for Instructors

- Demonstrates internal construction of modern turbocharger clearly.
- Provides safe, non-operational model for hands-on learning without risks.
- Suitable for lessons on diesel engine performance and emissions control.
- Helps explain airflow principles and turbocharging effect on engine output.
- Clear cutaway allows easy visualization during theoretical and practical classes.
- Compact and transportable unit fits into various classroom setups.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Specifications

- Type: Holset variable geometry turbocharger (VGT).
- Application: Diesel truck engines.
- Weight: 26 kg (57.32 lbs).
- Dimensions: 450 x 450 x 450 mm (17.72 x 17.72 x 17.72 in)

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