



CONTINUOUSLY VARIABLE TRANSMISSION (CVT) CUTAWAY

A2

Product number
AE411068M

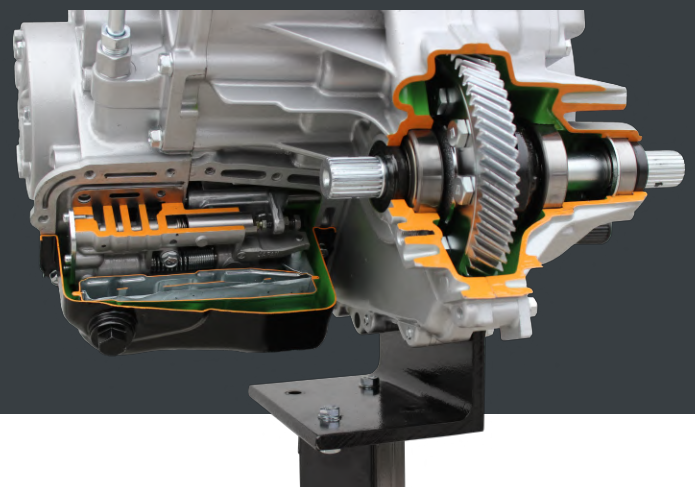
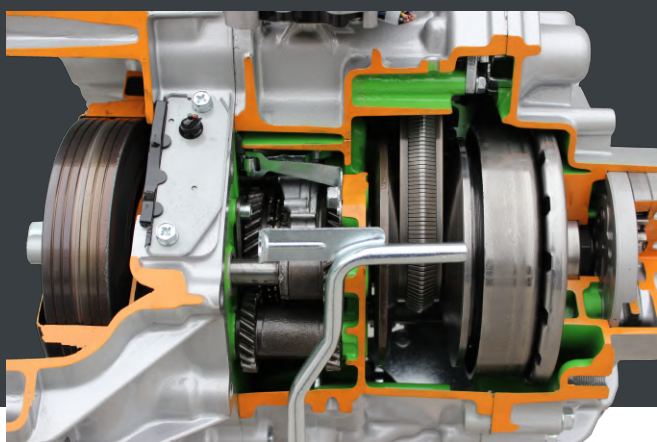


Detailed view of CVT internals, showcasing essential components including the V-belt pulleys, belt, and hydraulic control mechanisms. This trainer is manually operated via a handwheel, allowing precise adjustments and observations of gear ratio changes in real-time. Mounted on a stable stand with a wheel, it facilitates practical demonstrations and interactive learning.



Features

- Exposes internal components of the CVT, including V-belt pulleys and the transmission mechanism, for enhanced visibility and understanding.
- Features a handwheel for adjusting gear ratios, allowing students to observe the impact of changes in real-time.
- Includes a stable stand with a wheel for easy placement and movement in educational settings.
- Enables practical engagement with the transmission system, facilitating a deeper grasp of CVT principles and mechanics.





Value for Students

- Study the continuous range of gear ratios provided by the V-belt pulleys, which can vary from maximum to minimum values without discrete gear steps. This feature demonstrates the seamless transition between gear ratios in real-world applications.
- Operate the manual handwheel to observe the direct effects on the gear ratios, enhancing comprehension of how input adjustments influence transmission performance.
- Gain insight into the function of each component within the CVT system, including the V-belt, pulleys, and the transmission's hydraulic control mechanisms. Understand how these components interact to maintain optimal engine performance and fuel efficiency.
- Learn about the fundamental principles of automatic transmissions, including the role of variable pulley diameters and belt tension in adjusting transmission ratios to match driving conditions.

Value for Instructors

- Uses OEM components for easy, safe, and realistic training that mimics real car.
- Utilize the cutaway design to clearly demonstrate the internal workings of a CVT, making complex concepts more accessible to students. The manual operation feature allows for real-time adjustments and explanations.
- The trainer is mounted on a robust stand with a wheel, ensuring stability during demonstrations and ease of mobility within the classroom or training environment.
- Provides a hands-on learning experience that complements theoretical instruction, enabling students to directly observe and interact with the transmission system's components and their functions.

Specifications

- Dimensions: 600 x 500 x 800 (23.62 x 19.68 x 31.5 inch)
- Weight: approx. 40 kg (88 lb)
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