



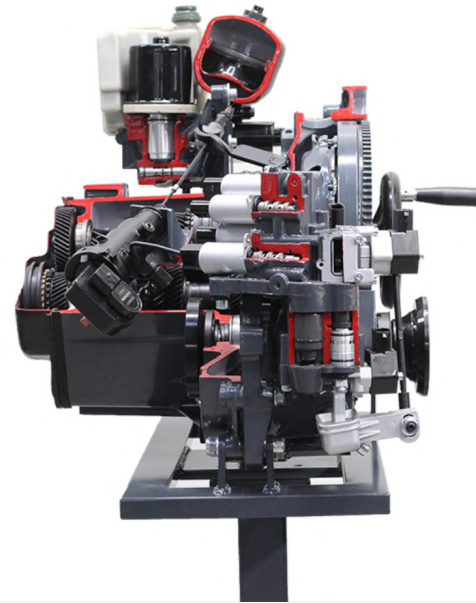
ROBOTISED TIP-TRONIC GEARBOX CUTAWAY

A2

Product number
AE411066M

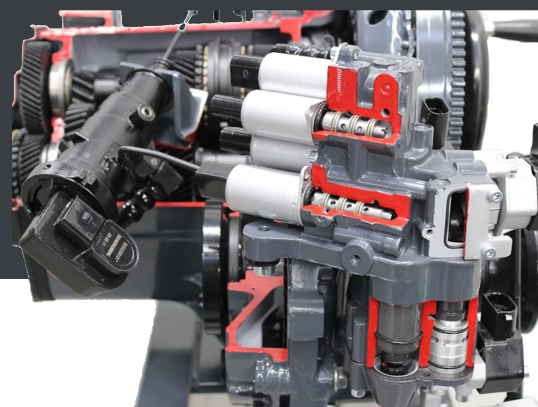
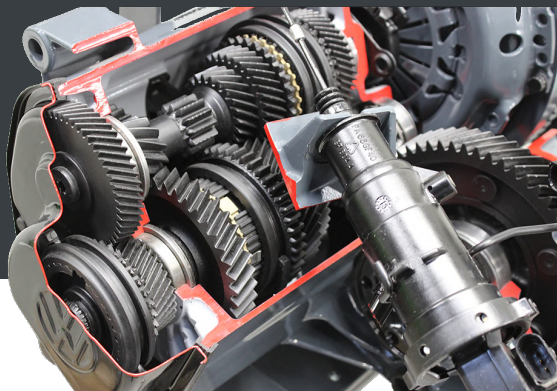


Training tool is a operational robotised Tip-Tronic gearbox, mounted on a compact, mobile stand with four castors. The cutaway model reveals all internal components, showing how the gearbox operates and how each element interacts. The gearbox features manual operation, with gear shifts is manually operated using a crank handle.



Features

- Cutaway gearbox design showcasing internal components and their interactions.
- Understand electronically assisted manual gearbox operation with electromagnetic, electro-hydraulic, or electro-pneumatic actuators.
- Gear shift mechanism utilizing clutch sleeve timers controlled by actuator-driven levers.
- Manual operation via crank handle for demonstration of traditional gearbox control.
- Fully exposed internal components to illustrate gear interaction and system processes.
- Integrated actuators to simulate real-world motion control and gear shifting.
- Uses OEM components for easy, safe, and realistic training that mimics real





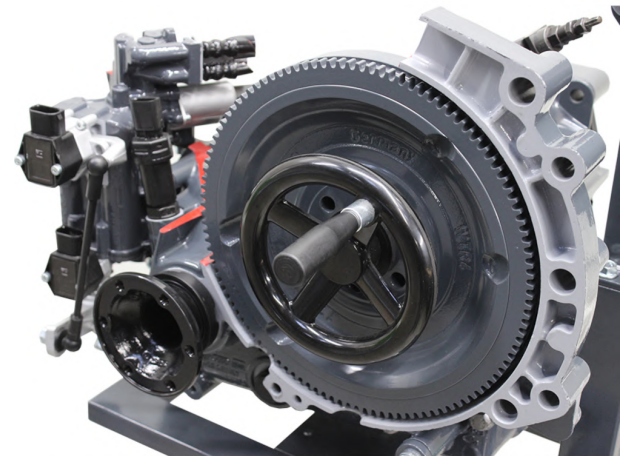
Value for Students

- Demonstrates the internal mechanics of a robotised Tip-Tronic gearbox, providing a clear view of how components like gears, clutch sleeves, and actuators function.
- Allows practical learning of manual and electronically assisted gear-shifting principles, bridging mechanical and electronic systems.
- Introduces actuator-based motion control, a key feature of modern gearboxes, helping students understand how driver input is converted into mechanical actions.
- Offers hands-on training with visible gearbox components, enhancing troubleshooting and system analysis skills.
- Enables comprehension of basic gearbox repair techniques by exposing gear interaction points and actuator operations.



Value for Instructors

- Provides a safe, accessible platform for teaching gearbox principles without requiring disassembly.
- Simplifies explanation of mechanical, hydraulic, and electronic interaction in gear-shifting processes.
- Enables step-by-step demonstration of gearbox operation, making complex systems easier for students to grasp.
- Supports various teaching levels, from basic mechanical function to advanced actuator-controlled systems.
- Compact, mobile design facilitates use in multiple classrooms or lab setups.
- Uses OEM components for easy, safe, and realistic training that mimics real car.
- Mobile and space saving in the classroom, allows concurrent use by multiple students.



Specifications

- Dimensions: 600 x 500 x 800 mm (23.62 x 19.69 x 31.50 in)
- Weight: Approx. 35 kg (77.16 lbs)
- Product number: AE411066M

