



# AUTOMATIC TRANSMISSION EDUCATIONAL TRAINER

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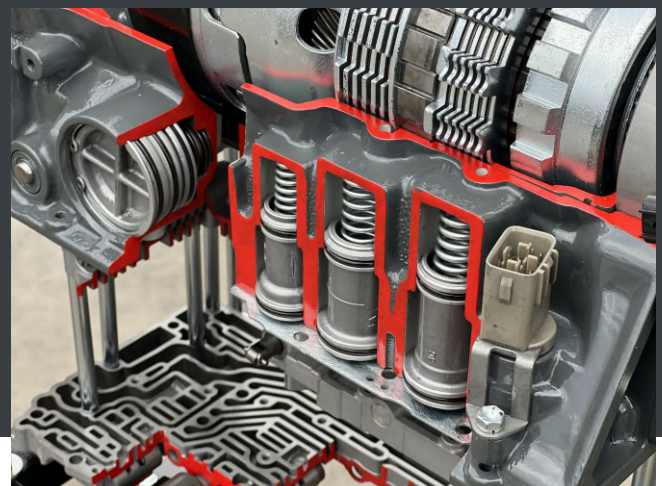
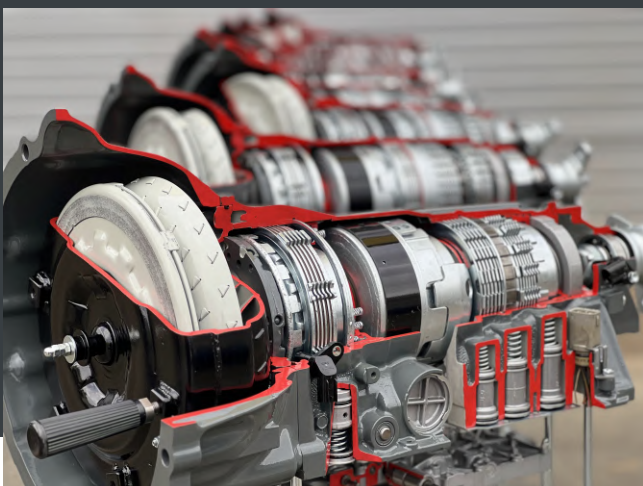
Product number  
AE411060M



Automatic Transmission Educational Trainer features a detailed cutaway model of a rear-drive automatic transmission with four forward gears and reverse. This trainer highlights essential components such as the torque converter, oil pump, stationary and rotary plate clutches, planetary gear train, hydraulic circuit valve, and centrifugal regulator. Mounted on a mobile stand, it offers clear visibility and practical insights into automatic transmission mechanics.

## Features

- Manual rotation handle allows students to manually rotate the transmission and observe internal mechanisms.
- Torque converter demonstrates how torque is transmitted from the engine to the transmission.
- Oil pump shows the role of oil pressure in transmission operation.
- Stationary and rotary plate clutches illustrate the engagement and disengagement of gears.
- Planetary gear train provides insight into gear reduction and torque multiplication.
- Hydraulic circuit valve and centrifugal regulator explain fluid control and pressure regulation within the transmission.





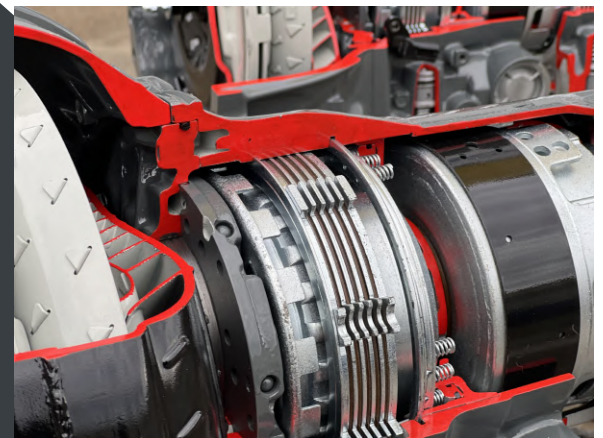
## Value for Students

- Gain practical knowledge of automatic transmission components such as the torque converter, oil pump, stationary plate clutch, rotary plate clutch, and planetary gear train. Analyze how these elements work together to manage power distribution and gear changes.
- Study the hydraulic circuit valve and centrifugal regulator, which control fluid flow and pressure within the transmission, critical for gear shifting and operation.
- Experience hands-on operation by manually rotating the transmission handle, observing real-time movement and interaction of internal gears and clutches.
- Understand the function of each gear in the forward and reverse drive modes through direct observation of the gear train's operation.
- The model's cutaway construction allows for clear visibility of internal components and their interactions, enhancing comprehension of automatic transmission principles.
- Develop diagnostic skills by studying transmission oil flow patterns, clutch engagement, and gear shifting processes.



## Value for Instructors

- The model offers a complete representation of an automatic transmission system, enabling effective teaching of transmission functions, hydraulic principles and gear operations.
- Uses OEM components for easy, safe, and realistic training that mimics real car.
- The manual handle allows for interactive demonstrations, helping students visualize and understand complex transmission dynamics.
- The cutaway design provides unobstructed views of critical components, facilitating clear explanations and focused training sessions.
- The model is mounted on a stand with wheels, allowing for easy movement and integration into various classroom setups.
- Built with durability in mind, the trainer supports repeated use and offers a reliable teaching aid for automotive education.



## Specifications

- Dimensions: 900 x 600 x 1000 mm (35.43 x 23.62 x 39.37 in)
- Weight: 85 kg (187 lb)
- Transmission type: rear-drive, 4 Forward gears + Reverse
- Components: torque converter, oil pump, stationary plate clutch, rotary plate clutch, planetary gear train, hydraulic circuit valve, centrifugal regulator
- Power supply: manual operation; no external power required
- Product number: AE411060M

