



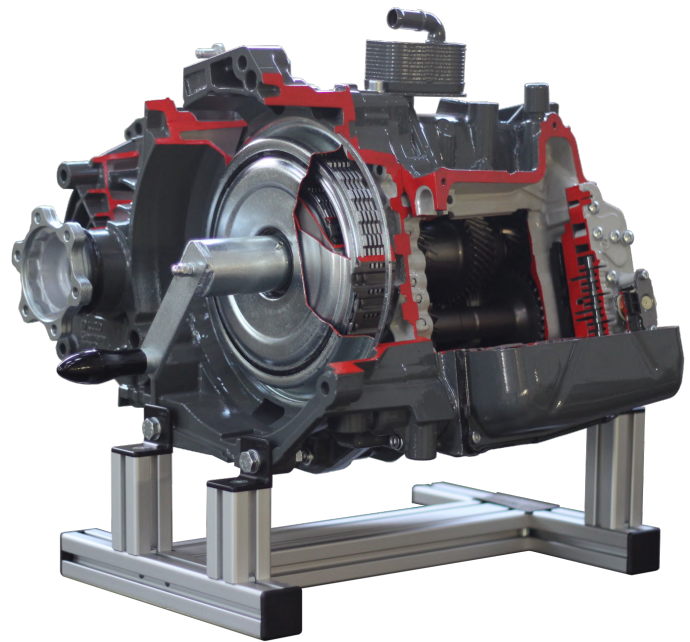
DIRECT SHIFT GEARBOX (DSG) CUTAWAY

A2

Product number
AE1064

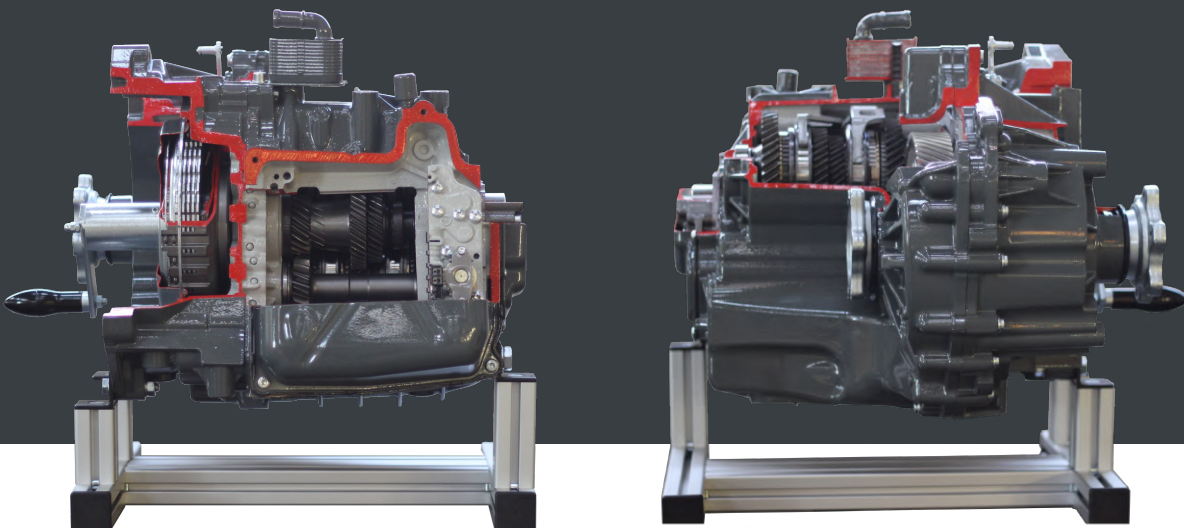


The DSG Gearbox Cutaway Model, mounted on a sturdy aluminum base, provides a highly detailed and functional educational tool designed for learning of dual-clutch transmission systems. This model, ideal for technical and vocational automotive education, offers an in-depth view of the DSG (Direct-Shift Gearbox) mechanism, facilitating detail learning and practical training.



Features

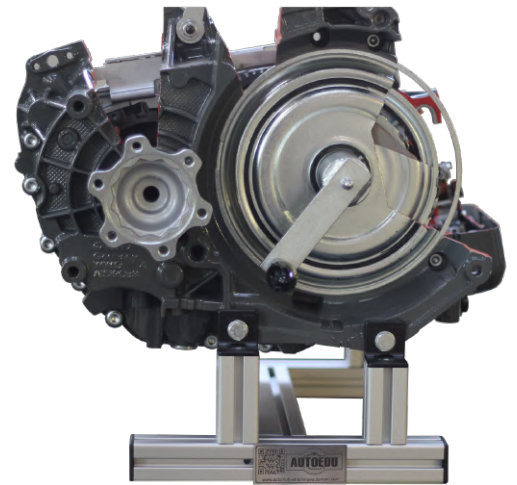
- Cutaway design exposes internal gearbox components, providing clear visibility of the DSG system's intricate mechanisms.
- Dual-Clutch system demonstrates the operation of two separate clutches and their role in providing seamless gear shifts.
- Manual rotation allows for the simulation of gear changes and examination of gearbox operation under different conditions.
- Aluminum base provides a stable and durable foundation for the gearbox model, ensuring secure and consistent placement during use.





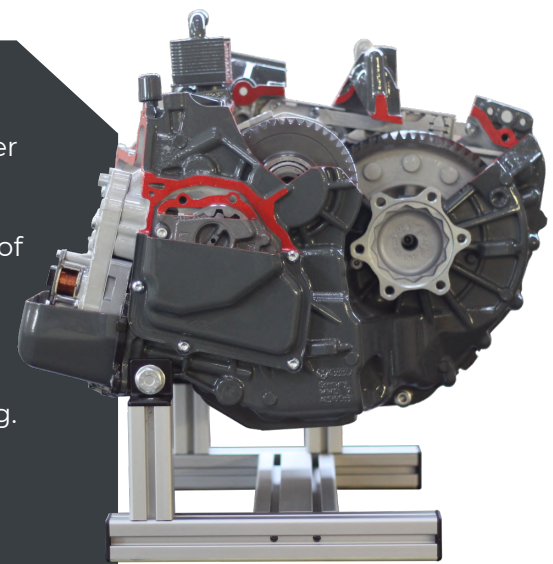
Value for Students

- Gain practical insights into the DSG gearbox operation, including the dual-clutch system, gear-shifting mechanisms and synchronization processes.
- Study individual components such as clutches, gear sets and mechatronics through the cutaway design, which exposes internal workings and allows for detailed observation.
- Use manual rotation to simulate gear changes and observe the gearbox's response in real-time, enhancing comprehension of operational dynamics.
- Understand the principles of automatic transmission control, including electronic control units (ECUs), hydraulic systems, and the interplay between mechanical and electronic components.
- Practice the maintenance and diagnostic procedures associated with DSG gearboxes, including examining wear patterns and performing routine checks.



Value for Instructors

- Easy, safe, and comfortable training using OEM components to offer a realistic car repair experience.
- Use the cutaway model to clearly demonstrate the inner workings of a DSG gearbox, making complex concepts accessible and understandable.
- The aluminum base provides a stable and durable platform for educational use, ensuring long-term reliability and ease of handling.
- Facilitate hands-on learning with a model that allows students to engage directly with the gearbox components, improving their practical skills and understanding.
- Mobile and space saving in the classroom, allows concurrent use by multiple students.
- Requires small adjustments to reset to default parameters, making it easy to prepare and start each lesson.



Specifications

- Dimensions: 450 x 470 x 500 mm (17.72 in x 18.50 in x 19.69 in)
- Weight: approx. 70 kg (154 lb)
- Material: aluminum base, with high-quality cutaway gearbox components
- Functionality: manual rotation for operational demonstration
- Product number: AE1064