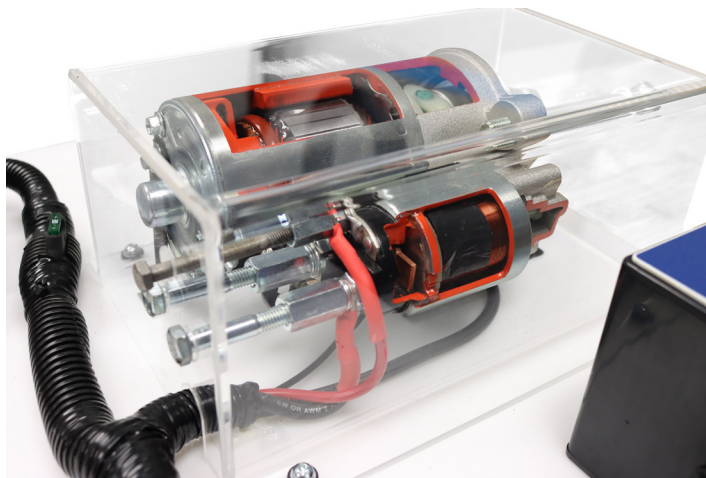
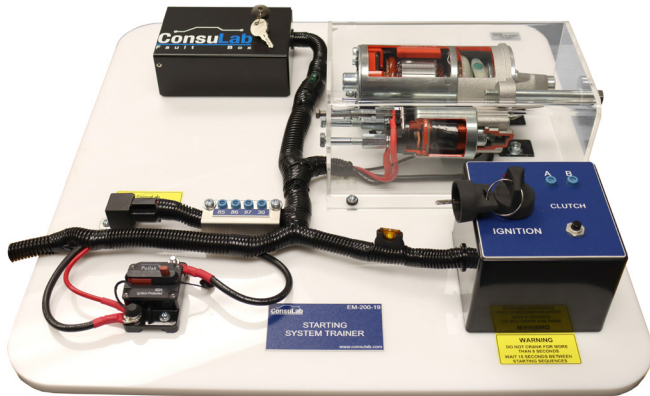


## CUTAWAY STARTING SYSTEM TRAINER



The EM-200-19 Starting System Trainer allows for the demonstration of a complete starting system using real-world components. Key areas of the starter have been cutaway to allow visual observation of major components while still being functional.

### EDUCATIONAL ADVANTAGES

- Fully functional cutaway starter.
- Allows students to view all internal starter components during live starter operation.
- Starter is enclosed in plexiglass to ensure student safety.
- Demonstrates starter planetary gear reduction.
- Ability to test and verify a basic starting circuit.
- Four operational faults can be inserted to promote student diagnostic troubleshooting competencies.
- The starter solenoid can also be bridged with a remote starter switch (not included) using the solenoid primary terminals.

### FEATURES

- Ford Modular starter (cutaway)
- Ford Modular solenoid (cutaway)
- Ignition switch
- Clutch pedal safety switch
- Crank relay
- Electrical test points for crank relay
- Lockable fault box with four manually selected operational faults
- Electrical test points for testing and diagnosis
- Battery circuit breaker with reset

### APPLICATION

- Ford Modular

### TECHNICAL INFORMATION

- Requires a 12V battery or jump box to operate.
- **Dimensions:** 22 x 22 x 5.5 inch (55.9 x 55.9 x 14 cm) / 24 x 24 x 13 inch (61 x 61 x 33 cm) with packaging
- **Weight:** 28 lbs (12.7 kg) / 31 lbs (14.1 kg) with packaging

## CUTAWAY STARTING SYSTEM TRAINER

# ELECTUDE

**THE CONSULAB EM-200-19 CUTAWAY STARTING SYSTEM TRAINER IS NOW AVAILABLE WITH ELECTUDE COURSEWARE (SOLD SEPARATELY).**

The Starting System Trainer consists of a practical set up and the accompanying E-learning. The practical set up consists of a complete working starting system. The starting motor is exposed allowing the system operation to be viewed. The trainer is equipped with measurement connections, a main fuse and a lockable fault box that allows four different faults to be activated.

Through preparatory theory and practical assignments, the participant learns to :

- Recognize system components.
- Learn the function and applications of the system components.
- Take measurements on the system with a multimeter and current clamp.
- Analyze measurement results and thus relate them to system operation.
- Evaluate measurement results in relation to workshop documentation.
- Analyze and evaluate measurement results in order to make a conclusion regarding system operation, system defects, possible cause, follow-up measurements or repair advice.

**Includes 14 learning modules for a total of 11.5 hours of instruction.**

