

Discovery



Equals



Achievement

EM-200-14 Coil-On-Plug Ignition Systems Training Aid

Integrated Courseware and Training Aid

Learners develop diagnostic skills using this blended courseware and training aid package. Combining Electude's courseware modules, with ConsuLab's table top coil-on-plug ignition system trainer, creates an effective blended hands-on environment for every level of learner.

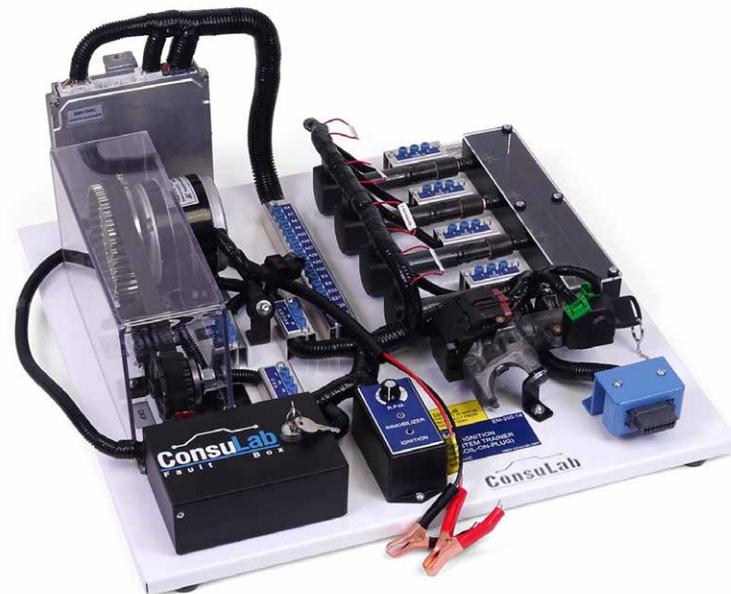
Electude's self-paced online lessons combine photo-realistic graphics, text and questions to guide learners. It helps them to visualize the operation of a direct ignition system using coil-on-plug technology and to test and verify a basic ignition circuit without distributor. Tracking every keystroke, the system measures mastery of the content in real-time, providing constant feedback to the learner and the instructor.

Online lessons help to prepare the learner for success in operating and performing diagnostics with the trainer. Four operational faults can be inserted to promote student diagnostic troubleshooting competencies. Terminal block receptacles are provided for diagnostic test points on the training aid.

Wiring diagrams are also included with the training aid and in the courseware.

The following items are included with the trainer:

- Engine Control Module (ECM)
- Crankshaft Position Sensor
- Camshaft Position Sensor
- Electric motor driven crankshaft and or crankshaft sprockets
- OBD II data link connectors
- Trainer has a bench top design that allows clear student visualization of operation of the ignition system



EM-200-14 COIL-ON-PLUG IGNITION SYSTEM TRAINER

Electude's Courseware overview

Through practical assignments, students learn to recognize components and understand their function, use wiring diagrams, perform measurements and diagnose faults related to automotive COP ignition, including:

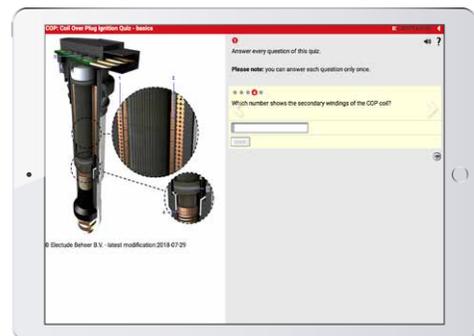
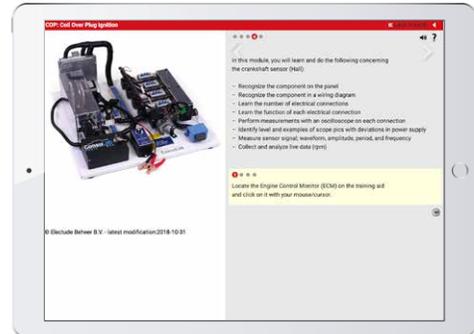
- Crankshaft sensor (Hall)
- Camshaft sensor (Hall)
- Knock sensor
- COP ignition coil
- Current flow
- Ignition timing
- Secondary ignition waveform

Practical assignments

- Finding cause of an open circuit in a CKP sensor sign
- Finding the cause of an open circuit in CMP sensor sign
- Finding cause of no ground connection in ignition coil 4
- Finding cause of no actuation sign in ignition coil 2

Duration

- ± 12 Hours



All product specifications are subject to change without prior notice.