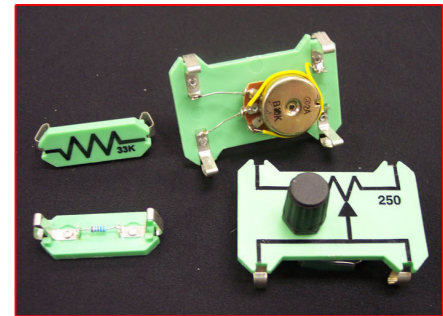
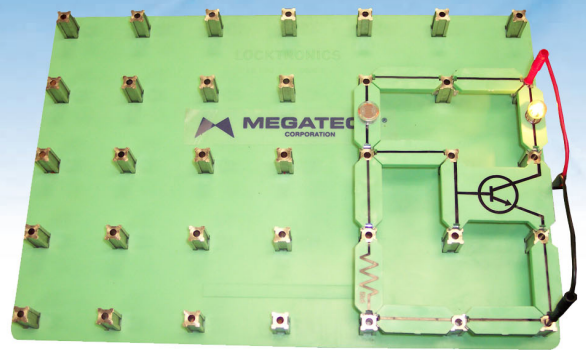


ELECTRICAL/ELECTRONIC SYSTEMS

ELECTRICITY/ELECTRONIC TRAINER

Model: MEG-LOC

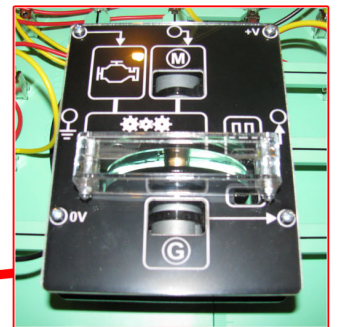
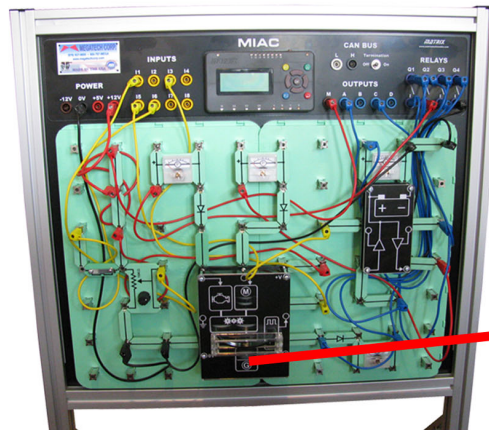
The Locktronics system consists of electronic components mounted underneath tough molded polystyrene carriers with the appropriate circuit symbol displayed on the upper surface of each carrier and the component mounted securely beneath it. Circuits are assembled by inserting the component carriers between the metal baseboard pillars which act as connectors. The final uncluttered layout clearly resembles the theoretical circuit diagram where each component is displayed/ accessible over the board. This “active schematic” kit allows students to gain a foundation in the principles of electricity and electronics. It provides hands-on working knowledge of voltage, current, and resistance with series and parallel circuits. Graphic symbols are screened onto each components acrylic background. A very affordable unit.



HYBRID DEMONSTRATOR TRAINER

Model: MEG-LOC Hybrid

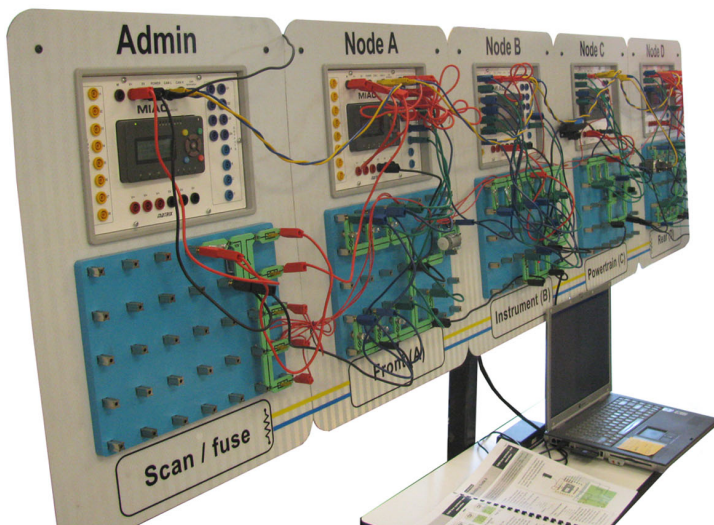
The Hybrid demonstrator includes a Hybrid engine, a battery and an Electronic Control Unit, several meters showing power flow between the units, a brake switch and a potentiometer mimicking the accelerator pedal. The ECU controls the system to show students how the power is routed in a hybrid depending on the State of Charge of the Battery, and to allow them to make measurements on the engine performance under different load conditions. The system can also be used to show the effects of regenerative braking. Two models are available: a bench top version and a panel mounted version.



CAN BUS SYSTEM & OPERATION TRAINER

Model: MEG-CANbus

This kit allows a fully functioning CAN bus system, mimicking vehicle operation, to be set up using 4 MIAC Electronics Control Units representing Instrument panel, Front ECU, Powertrain control, and Rear ECU. A fifth MIAC is used for system diagnosis, releasing faults and viewing CAN bus messages. Students are tasked with setting up a fully working CAN bus system, inserting faults and using hardware and software tools to understand fault diagnosis procedures and practice. The solution includes component carriers, base board, a power supply, and storage trays and is supplied with a full curriculum pack including teacher's notes.

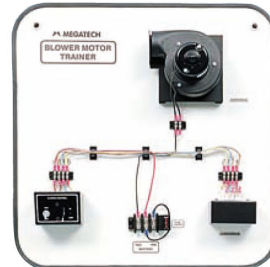
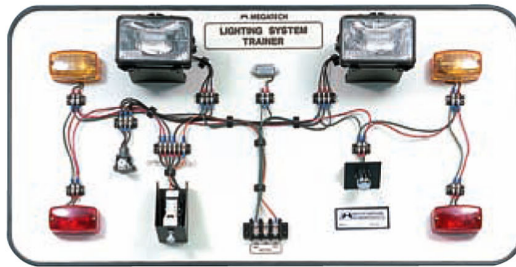
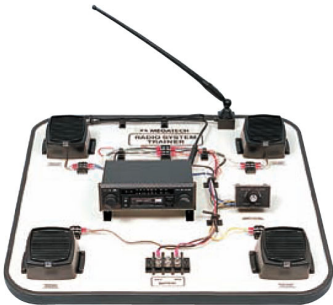


ELECTRICAL/ELECTRONIC SYSTEMS

CLASSIC SERIES TRAINERS

Model: MEG-58013

Each trainer is made from live components, mounted on a Mylar (erasable) surface, with heavy rubber trim and are pre-drilled for steel wall mount brackets (included) for classroom security. Each board can keep 2-3 students active doing hands on skill development. The courseware is competency based including; information sheets, instruction sheets, student self-check, instructor's final checklist, and check out activities. *(Trainers available: Blower Motor, Power Seat, Radio System, Starter System, Lighting System, Distributorless Ignition, Electronic Ignition, Horn/Alarm, Alternator System, Cooling System, Directional/Hazard, Power Window, Power Door Lock, Wiper/Washer, and Instrument Panel)*



SERIES 2000 TRAINERS

Model: MEG-580132M

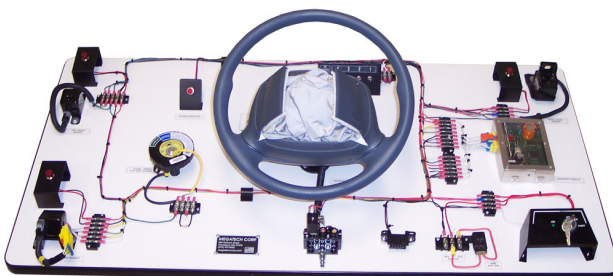
The series 2000 is derived from Megatech's surface mounted panel trainers with the addition of computerized fault insertion and classroom management software that can be added optionally. The system uses a fault box that is manually or computer controlled to set challenges for students to diagnose and fix. Each trainer can keep 2-3 students actively learning hands-on automotive skills. *(Requires Fault Network Device)*



AIR BAG TRAINER, REDEPLOYABLE (S.R.S)

Model: MEG-80115

With the Megatech (S.R.S.) Air Bag Trainer, the student can learn the operation, testing and troubleshooting of an actual operating deployable air bag.



STARTING & CHARGING TRAINER

Model: MEG-690BT

The trainer is designed to incorporate live actual components, providing "real world" electrical measurement values. It is the only unit that uses our "friction" load device to show actual current draw on the starter. Additional NATEF tasks such as shimming a starter can be obtained.



ELECTRICAL/ELECTRONIC SYSTEMS



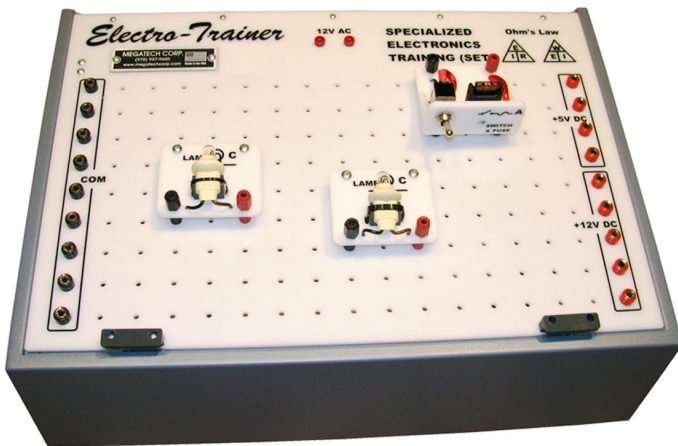
GM SET (SPECIALIZED ELECTRONICS TRAINING) Model: MEG-GMSET

This program is the GM Specialized Electronics training course as presented in Stage 1, 2, and 3 of the General Motors curriculum. The trainer includes all three stages along with a unique console design. The power distribution incorporates separate tip jacks for DC, AC, and fixed 5 and 12 VDC power. All the components carriers have machined radius edges and thermal black silk screen which shows not only the schematic symbol of the component, but the activity and figure number of the circuit.



AUTOMOTIVE ELECTRO TRAINER Model: MEG-LECTRO

This kit allows students to gain a foundation in the principles of electricity and electronics. It provides a “hands on” working knowledge of voltage, current, and resistance with series and parallel circuits. Graphic symbols are screened into each component’s acrylic background. This helps students to understand circuit reading and wiring diagrams. It provides a “hands-on” working knowledge of voltage, current, and resistance with series and parallel circuits. Over 250 of these currently used to train. This low cost highly successful trainer comes with a school’s custom logo silk screened.



TOYOTA ELECTRICAL PROGRAM Model: MEG-622T

This module is the basic electricity trainer used in Toyota T-10 training programs for their technical 622 & 623 course. Using this Program students gain a foundation in the basic principles of electricity and electronics while getting a “hands on” working knowledge of voltage, current, and resistance through series and parallel circuits. Symbol graphics are screened onto each component with a white acrylic background. This provides for the understanding of circuit reading and knowledge of wiring diagrams.



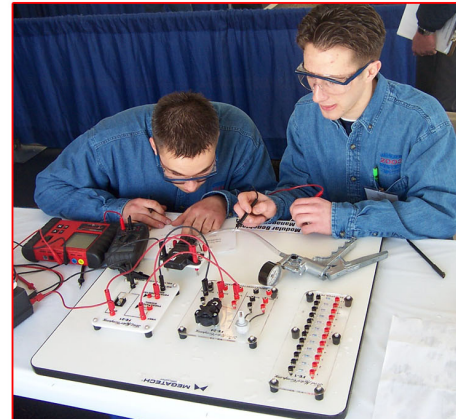
ELECTRICAL/ELECTRONIC SYSTEMS



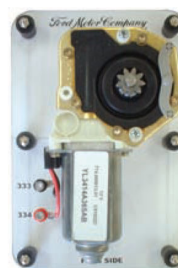
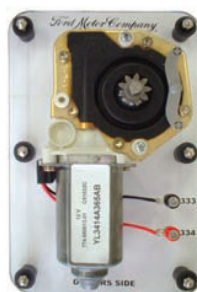
BASIC ELECTRICAL MODULES / ADVANCED ELECTRONIC SYSTEMS

Model: MEGFORD-EE / MEGFORD-ET

This is the identical program used by Ford Motor Company worldwide at their factory and ASSET Training Centers. It covers basic electrical concepts using individual boards containing actual working automotive components to build different circuits. These flame polished Plexiglas boards are silk screened with tip jacks and numbers to make building circuits easier.



This specialized program is divided into two categories: basic electricity program which allows the student to transfer fundamental theory lessons into real work skills, and a basic electronic course that includes solid state components that generate the basic signals. This has become the language that all modern cars must use in order to function. Collectively, these two terrific programs provide a solid foundation from which anyone serious about obtaining marketable skills in the constantly changing automotive world can learn.



MEGFORD-EE: Basic Electrical Modules (Includes 20+ modules, call for a complete list)



MEGFORD-ET: Basic Electronic Modules (Includes 15 modules, call for a complete list)

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