

# ENGINE PERFORMANCE

## ENGINE PERFORMANCE TRAINER

Model: MEG-007 Car Clip

The MEG-007 Trainer can be made from a late model Ford/ GM/ Daimler-Chrysler or any foreign automobile and converted into an Engine Performance Trainer with built-in Fault Simulation. We now have HYBRID units as well. It is complete with a running engine, transaxle, drivetrain, suspension, front brakes, dashboard electrical system and computer. Available, with our NEW Dynamic Fault/Breakout Box.



## RECYCLED GAS ENGINE PERFORMANCE PROGRAM

Model: MEG-520

Today's engines have sophisticated microprocessor based algorithms that control engine performance. Because of these technological changes, the automotive technician must understand each subsystem's unique role in operation as well as its interdependence with other components. Megatech's 520 programs are designed to give practical troubleshooting experience with domestic and foreign car manufacturer's engines. With the Variable Fault Feature, the instructor can use the switches to demonstrate the loss of circuits while the engine is running. **(Available with Dyno)**

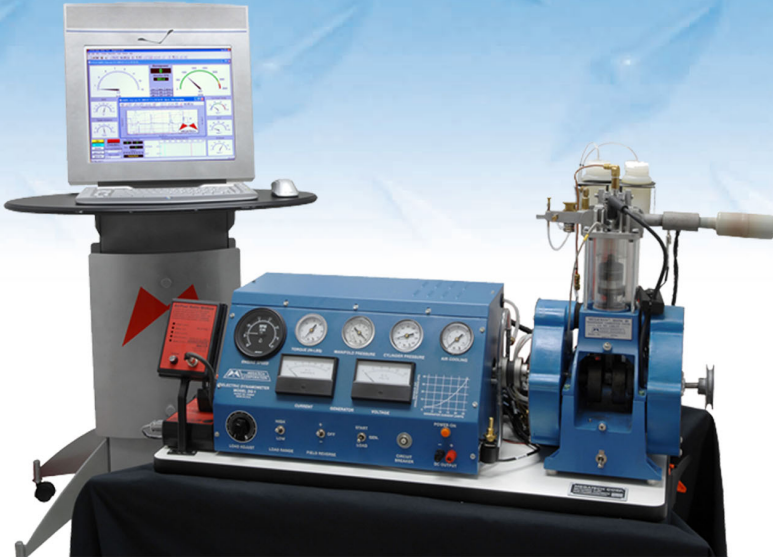




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## OIL-LESS 4 CYCLE MULTI-FUEL ENGINE Model: MEG-150

The MEG-150 Engine Performance program has made the study of 4-cycle engines a simple task and opened the door for the student to conduct multiple experiments in alternate fuels. This patented and unique engine features transparent engine construction, which exposes all the moving parts of a 4-cycle engine. Since the MARK III is oil-less too, it enables the students to observe clearly the crankcase components and internal combustion of the engine. Includes variable timing and compression.



## ALT. FUEL ENGINE PROGRAM w/ DATA ACQUISITION Model: MEG-150 DAS

This package can work with ANY dyno as built by Megatech. The software package, is a powerful training aid for any student learning alternate fuels. Graph multiple runs of the TE-1, using alternate fuels (propane, methanol, ethanol, etc.), showing the properties of each. Students can actually see which fuel produces more torque! Which burns hotter, propane or alcohol? Information like this can be graphed, and compared on a computer, then saved or printed. Study high performance engines, as the engine allows for different compression ratios and timing to be selected, then Horsepower and Torque to be viewed on screen. Want to instrument your diesel engine and see how BIODIESEL will effect performance? Easily done.



## OBDII FUEL INJECTION TRAINER Model: MEG-550G

Today's engine is a combination of mechanical, electrical, and electronic sub-systems that depend on precisely controlled fuel injection and ignition timing. This trainer covers the most common problems, such as: fuel pressure, amount of fuel and spray patterns, wiring harness/electrical problems, injector failure/poor resistance, and diagnostics. All units include full ignition. (also available in GM, Ford, Toyota and Nissan)

