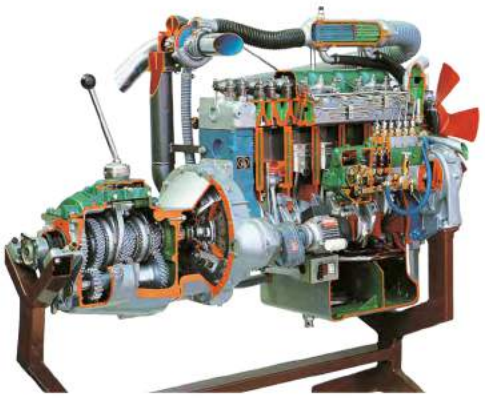
# Heavy Duty Truck Cutaways

**Custom cutaways in additional makes & models also available**

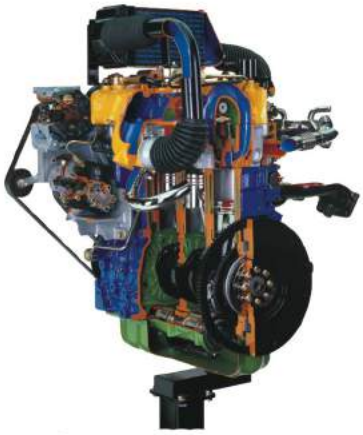
MEGART6122
2 Stroke 4 Cyl. Diesel Engine

MEGART11071
Heavy Truck Gearbox



MEGART6080
6 Cyl. Intercooler Turbo Diesel

MACK mDrive Cutaway



MEGART6010
Jeep Turbo Diesel Intercooler
16 Valve Common-Rail

IVECO Cutaway

MEGART7000
Indirect Injection
4 Stroke Diesel

MEGART7100
Direct Injection
2 Stroke Diesel

MEGART11295
Truck Differential
w/ Double Reducer Circuit

MEGART6083
6 Cyl. Diesel Engine w/ Electronically Controlled Pump Injectors

MEGART11198
Heavy Duty Rear Axle
w/ Locking Differential

# Light / Mid Duty Diesel Trainers

## Light/Mid Duty Diesel Program
### Models: MEG320 & MEG007-D

**Megatech produces the largest number of training aids for comprehensive training for light & mid duty diesels. The MEG320 and MEG007-D programs consist of instructional modules on diesel engines, NATEF based worksheets, engines on a test bed or clip vehicle with a fuel and battery stand. Models include Cummins, Ford, GM Dodge, and others. The MEG320 model can be mounted with our custom closed-loop dyno.**

*MEG007-D (GM)*

*MEG320*
*(Cummins 6.7L)*

*MEG007-D (Ford)*

**Standard Features Include:**
**Full Aftertreatment**
**DPF & SCR**
**Tier IV Final**
**Fault Box**
**Breakout Box**

*MEG320*
*(VW 2.0L TDi)*

## Single Cylinder Diesel Program
### Model: MEG310

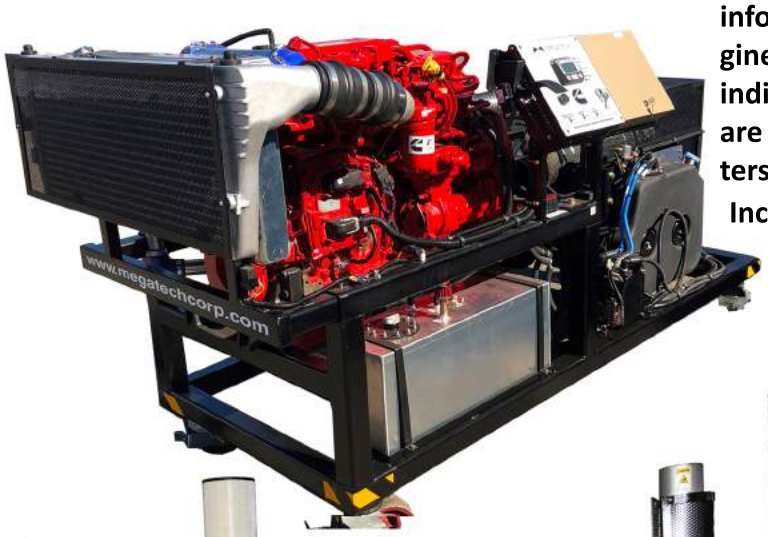
**The MEG310 program provides advanced experiments in operating a single cylinder diesel engine by measuring torque and speed with the aid of an electric dynamometer.**
**(Data Acquisition is also available: MEG310-DAD)**

# Heavy Diesel Trainers

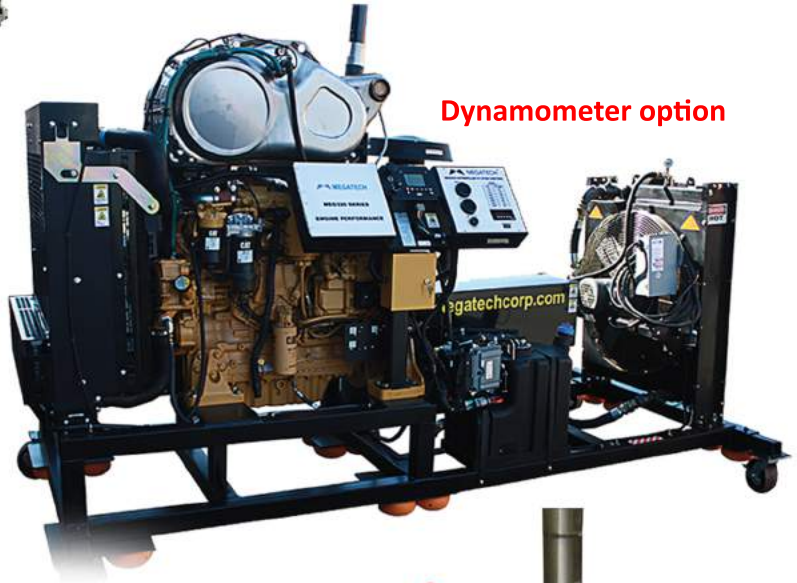
## Truck/Heavy Duty Diesel Program
### Model: MEG320

**These programs introduce the Cummins, Caterpillar, Navistar, Detroit Diesel, or other engines with all components assembled and ready for operation. The manuals provide full information and procedures for troubleshooting diesel engines. Potential problems are listed, diagnostic methods are indicated and repair procedures are detailed. These units are available with hydraulic/water absorption dynamometers for accurate HP/Torque measurements.**

**Included: Fault device, Breakout Box, Heavy Duty Casters, Aftertreament (Dyno available)**



**Dynamometer option**



ASE Accredited Training Provider

# Truck / Heavy Diesel Trainers

Shown with CNG

## Engine Test Stand with CNG
### Model: MEG330

The MEG330 trainer is a full turn-key CNG engine training unit based on a larger diesel engine or gasoline based version as well (LPG). Trainers can be built with or without a closed-loop dyno.

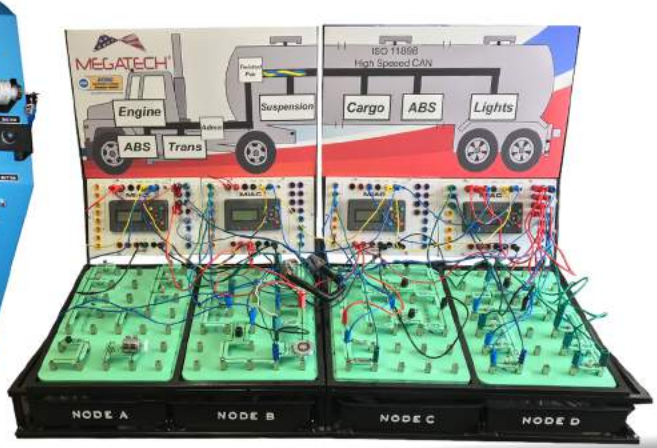
## Cummins Diesel Trainer: Electronically Controlled Common Rail & Power Stroke
### Models: MEG550-DCR6 & MEG550-D

The Cummins Diesel Trainers are constructed from a Cummins ISB-type vehicle using an electronically controlled diesel fuel injection. The program consists of genuine equipment and educational materials to teach the fundamentals of Common Rail fuel injection and engine control. The electronics are faulted for student diagnosis and practice. (Ford model also available)

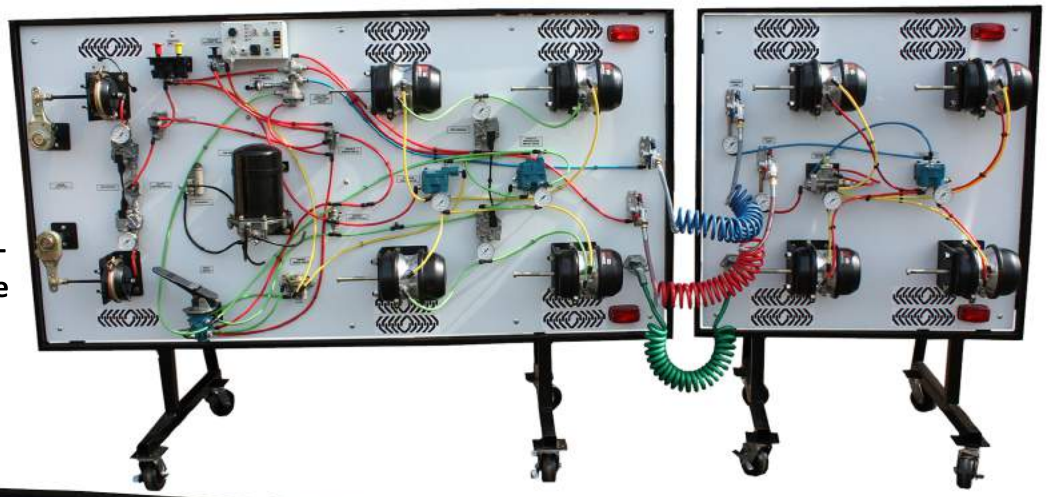
MEG80107-T

## Heavy Duty Starting & Charging
### Model: MEG690

## MEG-CANbus-T
## CANbus Systems and Operation for Trucks



# Truck Brake Trainers



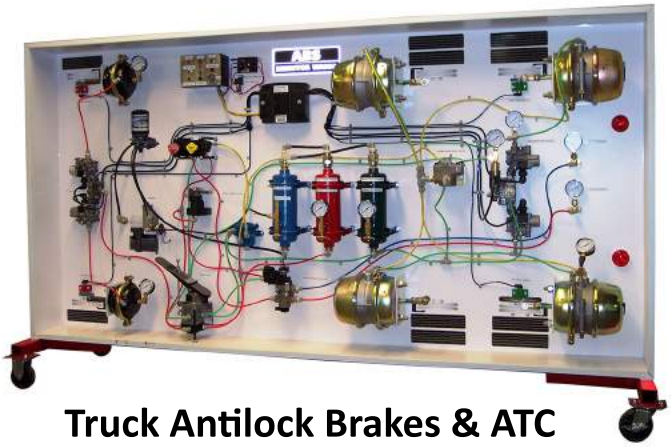
## Airbrake & ABS Trainer
### Model: MEG685-ABS

**Fully functioning Bendix Truck Air-brake system with real truck brake parts (air valves, brake boosters, control devices, etc.)**

## Truck Airbrake Trainer
### Model: MEG685

**Designed to allow for training of tractor/trailer combination vehicles and trucks. All trainers meet FMVSS "121" regulations and are the same valves or components which would be installed on a real truck. The system consists of air valves, reservoirs, brake chambers, air intake tubing, and fittings.**

## Truck Airbrake and ABS Trainer
### Model: MEG-ABS-EC60



## Truck Antilock Brakes & ATC
### Model: MEG-ABS/ATC



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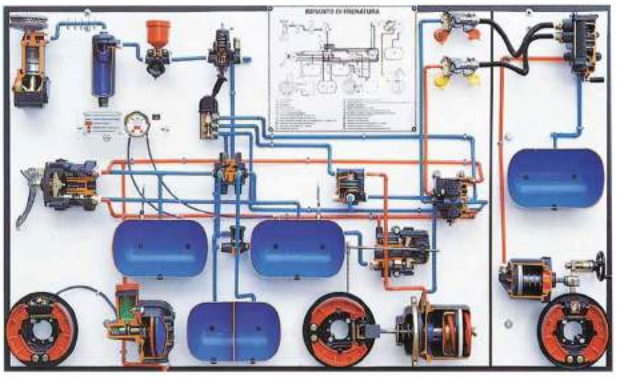
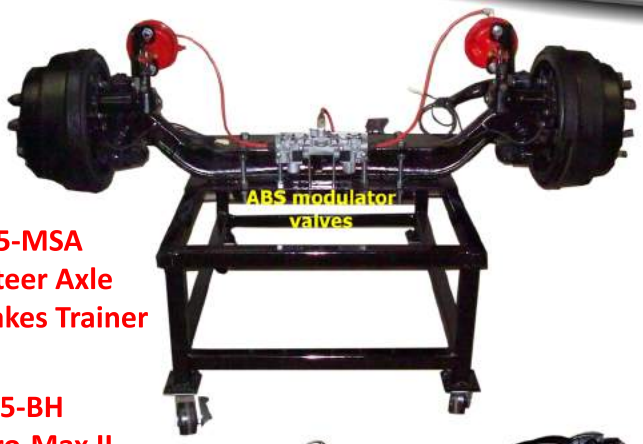
# Truck Brake Cutaways & Mobile Hydraulics

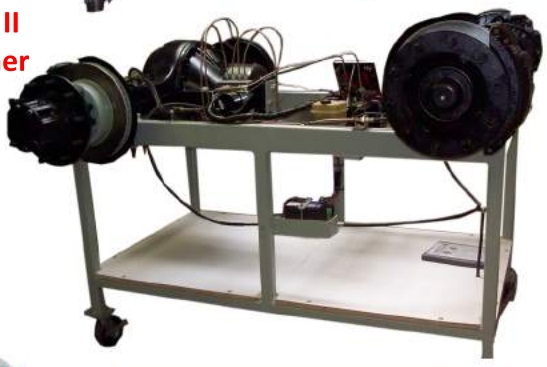
**MEGART12180**
**Compressed ABS w/ Double Spring Braking Unit - with Chuck**

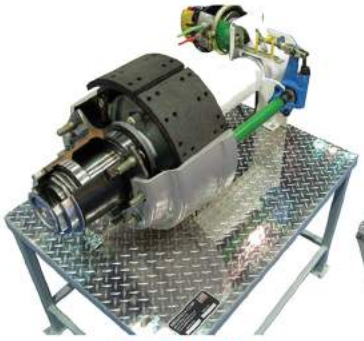




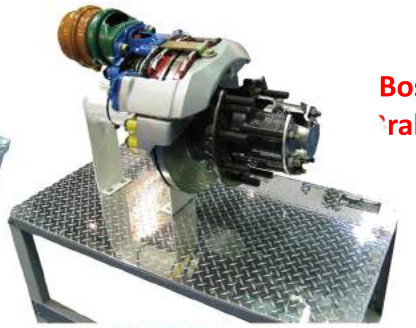

**MEG685-MSA**
**Meritor Steer Axle w/ Drum Brakes Trainer**

**MEG685-BH**
**Bosch Hydro-Max II `rake System Trainer**

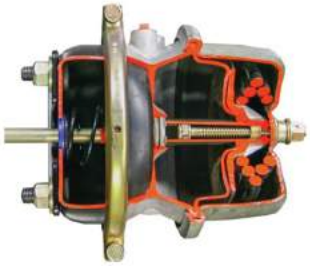




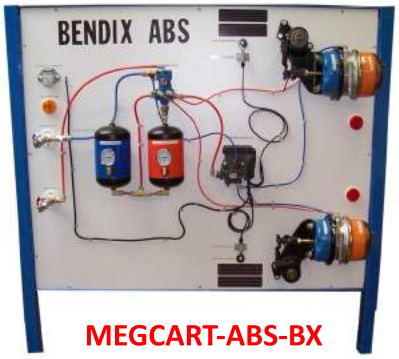
*MEGCUT DRUM*



*MEGCUT DISC*



**Chamber Cutaway**

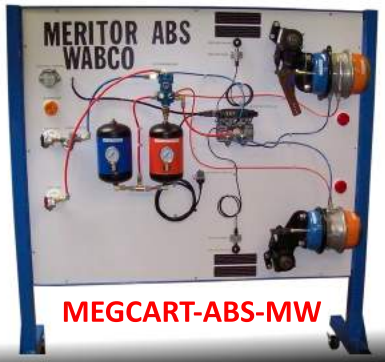



**MEGCART-ABS-BX**

## Mobile Hydraulics
### Model: MEG820

**This program provides hands-on activities with components commonly used in construction equipment, agricultural and utility vehicles. It includs: Instructional modules, audio/visual presentations, instructor's guide, hydraulic tester, and mobile hydraulic workstation. It has a variable working pressure capacity of 500-1000 PSI and includes a heavy-duty workbench with instruments and gauges.**

**Vertical Style Workstation Available**




**MEGCART-ABS-MW**