



The diesel engine trainer is a fully operational engine mounted on a mobile stand. Trainer is based on 2016-2011 GM Trucks (Chevrolet Silverado or GMC Sierra) w/Duramax 6.6L global engine platform. The trainer is easy to work on and all major components, wiring and connectors match OEM configuration. Trainer is mounted on a mobile stand constructed of 2" (5 cm) tubular steel equipped with four 5" (12.5 cm) phenol casters (2-fixed and 2-swivel w/locks). Students can perform many NATEF related Engine Performance and Electrical/Electronic tasks using this trainer. Trainer is equipped with safety guards covering all rotating components.

#### EDUCATIONAL ADVANTAGES

- Allows demonstration of engine systems to groups of students without the access limitations of a complete vehicle
- Engine systems respond to inserted faults with real world symptoms, OEM DTC's and check engine light operation
- Equipped with all OEM equipment related to EPA 2010 Emission Standards

## SPECIFICATIONS

### APPLICATION

- LML & LGH 2011-2016 GM Trucks (Chevrolet Silverado / GMC Sierra) w/Duramax 6.6L diesel engine

### SPECIFICATIONS

#### 2016-2011 Model Years

- Engine: GM Duramax V8 diesel engine compliant with EPA 2010 standards
- Displacement – 6.6 L (403 cu.in.)
- Aspiration – Turbocharged & Intercooled (w/ variable displacement)
- Engine Type – OHV – (4 valves per cylinder)
- Injection – Bosch High Pressure Direct Injection Common Rail system (30,000 psi)

### FEATURES

- High pressure common rail fuel system (Bosch)
- Allison transmission
- OBDII data link connector for scan tool hookup
- Integrated ECM breakout box with test points for oscilloscope and DMM hookup
- Breakout box terminals identified with OEM terminology and numbers
- Diesel Particulate Filter (DPF)
- Exhaust Gas Recirculation (EGR) w/ EGR cooler
- Selective Catalyst Reduction (SCR) w/ DEF injection & storage tank

### STANDARD EQUIPMENT

- Automatic regulated 12V battery charger
- Fuel tank
- DEF tank
- Exhaust system with catalytic converter
- Safety covers for all rotating devices
- Heavy Duty 2" square tubing mobile stand with 5" (12.5cm) phenol casters (2-fixed & 2-swivel w/locks)
- 52827X Custom fork lift bars for big engine
- Comes with only one OEM key (additional keys available)

### OPTIONAL EQUIPMENT

- 24082 Custom vinyl dust cover with two zipper closures
- 53150 Secondary key for engine bench
- 52905 Custom Instrument panel protection
- 53125 Custom coolant flow sight glass for V8 diesel engine
- 53090 Custom Electronic programmable fault box with 16 faults capable of programming intermittent fault insertion
- 52575 Manual fault box for engine
- 53147 Scan tool tray

### TECHNICAL SPECIFICATIONS

- DIMENSIONS: 272 x 147.3 x 132 cm (107 x 58 x 52 in) - 289 x 152.4 x 134.6 (114 x 60 x 53 in) w/packaging
- WEIGHT: 1318 kg (2900 lbs) - 1496 kg (3293 lb) w/packaging