



The diesel engine trainer is a fully operational engine mounted on a mobile stand. Trainer is based on 2016-2013 Ram Trucks w/Cummins 6.7L 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.

APPLICATION

- 2016-2013 Ram Trucks w/Cummins 6.7L diesel engine

Specifications :

- Engine – Ram Truck with Cummins 6.7L 6-cylinder diesel engine compliant with EPA 2010 standards
- Displacement – 6.7L (410 cu.in.)
- Compression Ratio – 17.3 : 1
- Aspiration – Turbocharger with variable geometry
- Engine Type – OHV – (4 valves per cylinder)
- Injection – Electronic Bosch High Pressure Common Rail system (26,000 psi)

FEATURES

- High pressure common rail fuel system (Bosch)
- Automatic 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)
- Diesel Oxidation Catalyst (DOC)
- Selective Catalytic Reduction (SCR) w/ DEF injection
- Closed Crankcase Ventilation System

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)
- 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
- 52827X Custom fork lift bars for big engine
- 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 INFORMATIONS

- **Dimensions:** 110 x 49 x 51 inch (279.4 x 124.5 x 129.5 cm) / 114 x 56 x 51 inch (289.6 x 142.2 x 129.5 cm) with packaging.
- **Weight:** 2820 lbs (1279.1 kg) / 2920 lbs (1324.5 kg) with packaging.