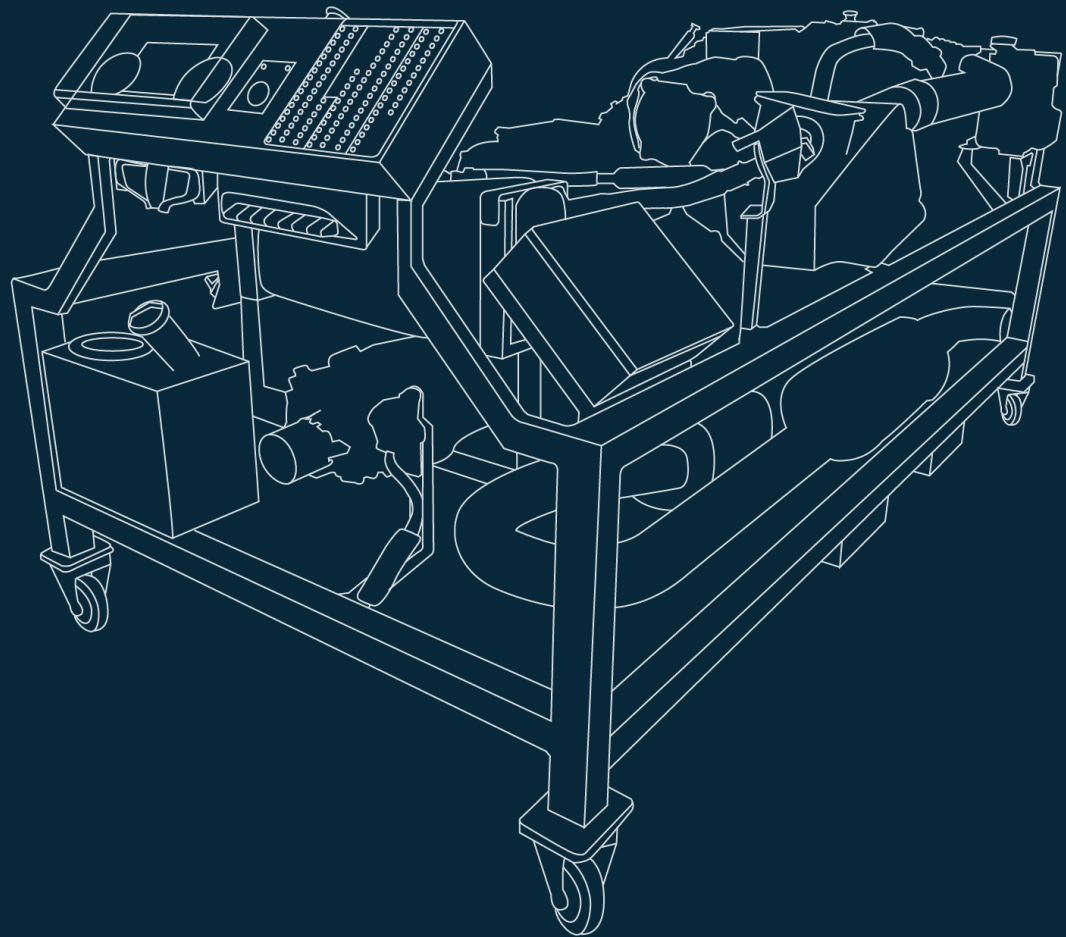




# 2019-2017 GM truck L5P 6.6L diesel engine trainer





The EM-140D-GM02\_035027 diesel engine trainer is a fully operational engine mounted on a mobile stand. Trainer is based on 2019-2017 GM trucks with Duramax 6.6L V8 L5P turbo-diesel engine platform used in the GMC Sierra or Chevrolet Silverado 2500/3500 heavy duty models — Easy to work on and all major components, wiring and connectors match OEM configuration. Trainer is mounted on a mobile stand constructed of 2" (5cm) tubular steel equipped with four 5" (12.5cm) phenol casters (2-fixed and 2-swivel w/ locks) — Equipped with safety guards covering all rotating components.

## EDUCATIONAL ADVANTAGES

- Allows instructional demonstrations to students without access limitations of a complete vehicle.
- Engine systems respond to inserted faults with real world symptoms, DTC's, scan tool PID's and check engine light operation.
- Included PCM break out box allows easy access for component testing without disconnecting connectors.
- No simulation. All original OEM components are used.
- Provides a fully functional recycled engine with available and repeatable faults for student learning and diagnosis.
- Promotes student "ownership" and engagement with "hands-on" learning with real components.

## FEATURES

- Engine – 2019-2017 GM GM truck with Duramax 6.6L V8 L5P turbo-diesel engine compliant with the most recent EPA standards
- Direct injection with high-pressure common rail
- Allison transmission MGM
- 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
- Complete exhaust system with catalytic converter
- Cooled Exhaust Gas Recirculation (EGR)
- Selective Catalytic Reduction (SCR) w/ DEF injection
- Diesel Particulate Filter (DPF)
- Intake throttle
- Radiator
- Intercooler
- Fuel tank
- DEF tank
- Closed crankcase ventilation system
- Batteries with master disconnect switch
- Automatic regulated 12V battery charger
- Custom instrument panel protection
- Safety covers for all rotating devices
- Custom coolant flow sight glass for V-8 diesel engine
- Comes with only one OEM key
- Fork lift bars
- Scan tool tray





- OPTIONAL EQUIPMENT**
- Vinyl dust cover (EM-1200-140D\_024082-04)
  - Additional OEM ignition key (EM-140-21\_053150)
  - Electronic programmable fault box with 16 faults & capable of programming both constant and intermittent faults with remote control via USB cable (EM-250-2C\_053090-01)

**TECHNICAL  
INFORMATION**

- Mounted on a mobile stand constructed of powder coated 2" square steel tubing equipped with four 5" phenol casters (2 fixed and 2 swivel w/locks) for easy transport
- **Dimensions:** 54 x 101 x 51 in (137 x 256 x 129 cm) / 60 x 106 x 55 in (152 x 269 x 140 cm) with packaging
- **Weight:** 1481 lb (672 kg) / 1631 lb (740 kg) with packaging

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