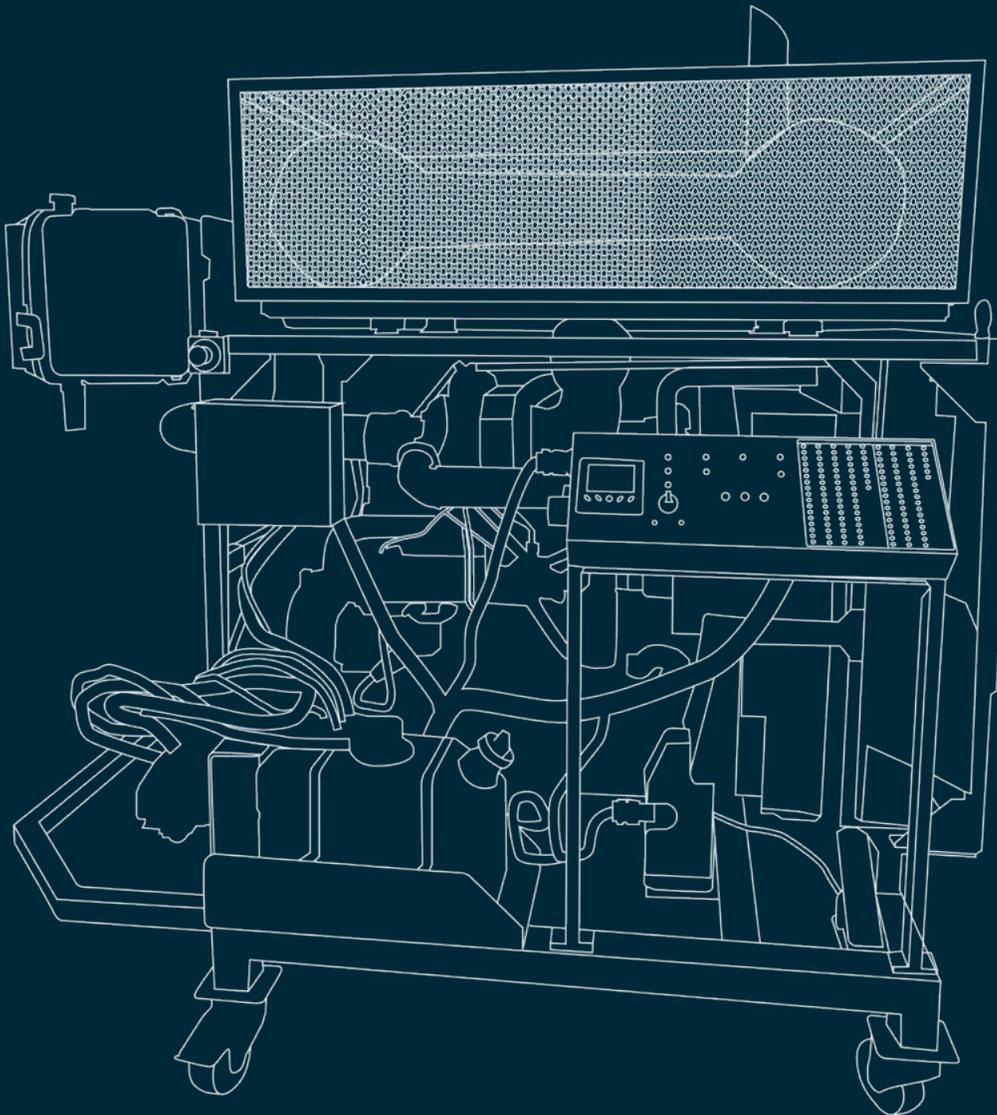




Diesel Engine Bench Cummins QSB6.7 TIER 4F (New)





The Cummins QSB6.7 Diesel Engine Bench is mounted on a tubing steel stand. Completely operational and safe, this standard trainer is easy to work on and complies with manufacturer rules and specifications related to all OEM codes, colors and electronics. Meets TIER 4F emissions regulations. This engine is aimed at industrial, agricultural, construction and powergen markets. Especially built to meet all diesel engine performance and repair tasks these diesel engine benches meet North American emissions standards for the years indicated in each offering below unless otherwise noted. This engine comes equipped with a fully functioning diesel exhaust aftertreatment system that includes: Selective Catalytic Combustion (SCR), Diesel Exhaust Fluid (DEF), Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC).

EDUCATIONAL ADVANTAGES

- Student Assignments
- Demonstration of major 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 DTCs and MIL operation
- Functional DLC using SAE J1939 communication protocol
- Provides a platform to perform the following:
 - Diagnose and troubleshoot fuel system
 - Diagnose and troubleshoot engine management system
 - Diagnose and troubleshoot electrical/electronic system
 - Obtain electronic parameters using diagnostic equipment
 - Obtain technical data and information from the trainers through an electronic service tool connection
 - Perform testing procedures of all electrical and mechanical systems
 - Allow user to exercise test procedures as outlined in OEM service manuals

APPLICATION

- Cummins' Tier 4F equipped with new QSB6.7 diesel engine and post-treatment system

STANDARD EQUIPMENT AND FEATURES

- New OEM In-line 6-cylinder, 4-stroke cycle diesel engine
- Interfaces with OEM diagnostic electronic service tools
- OEM Engine management system
- Air intake system with turbocharger and air filter
- Complete engine cooling system with fan, air-to-air, radiator, and fuel system
- OEM cold start system
- OEM ECM and wiring
- Master control panel with DLC (9-pin J1939 Deutsch connector) with:
 - Keyed ignition system with two (2) keys and testing points
 - Indicator lights
 - Enable/disable switches
 - PTO controls
 - ECM breakout box with OEM pinout identification
 - LOFA CANPlus display with J1939 parameters for installed components





STANDARD EQUIPMENT AND FEATURES

- Complete intake and exhaust system with diesel particulate filter (DPF), maintenance indicators and muffler
- Engine lubrication system with filters
- Complete and operable fuse-protected electrical/electronic system (24 VDC)
- Fuel pedal
- 22L fuel tank with filters
- Heavy-duty batteries (2) with smart charger
- Battery cut-off switch
- Emergency stop buttons (2)
- Electronic programmable fault box with 12 faults with intermittent fault capability
- Safety guards on all rotating components in compliance with CSA regulation Z432-04 and on high temperature components
- DET frame:
 - Heavy duty 3" (76.2 mm) powder enamel coated square tubular steel frame
 - Four (2) removable heavy-duty casters, two (2) locking swivel, two (2) fixed

FUNCTIONAL POST-TREATMENT SYSTEMS

- DOC (Diesel Oxidation Catalyst)
- EGR (Exhaust Gas Recirculation)
- DPF (Diesel Particulate Filter)
- SCR (Selective Catalytic Reduction)

ADDITIONAL EQUIPMENT

- Refrigerant flow indicator (52910)
- Protective cover (24358)

PHYSICAL SPECIFICATIONS

- Dimensions : 81.5 x 58 x 89 in (207 x 147.3 x 226.1 cm) / 64 x 92 x 86 in (162.5 x 233.7 x 218.4 cm) (w/package)
- Weight: 3000 lb (1363.6 kg) / 3200 lb (1454.6 kg) (w/package)

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