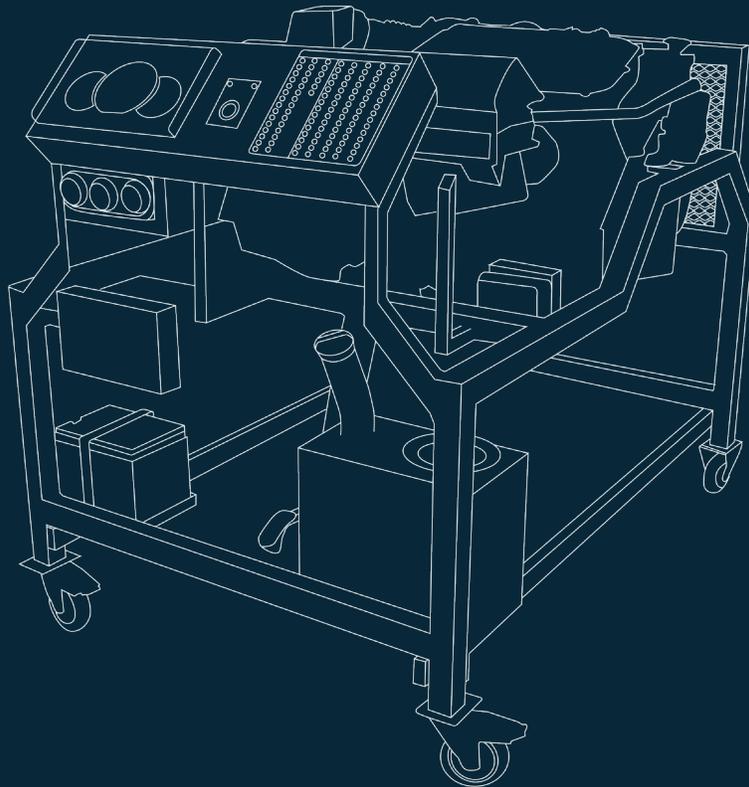




# 2018-2014 Corolla 1.8L engine trainer with AC





The ConsuLab EM-140C-TY02 engine trainer is a fully functional recycled engine mounted on a mobile stand. The trainer is based on a 2014-2018 Toyota Corolla 1.8L global vehicle platform. The trainer has easy access for service procedures of all major components. Wire colors and connectors match OEM configuration and service information. Trainer is 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. Many ASE Education Foundation tasks can be performed with this trainer pertaining to areas A6 (Electrical) & A8 (Engine Performance). (see operation manual for list) Full protection safety guards are installed 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 with OEM terminal I.D. that allows easy access for component testing without disconnecting connectors
- No simulation. All original OEM components are used
- Available with two HVAC options (See optional equipment)
- Promotes student "ownership" and engagement with "hands-on" learning with real components

### FEATURES

- Control Port fuel injection fuel system
- 2ZR-FE Engine technology
- Dual VVT-i (Camshaft variable valve timing)
- Functional OEM instrument panel
- OEM EVAP system
- Electronic Throttle Control
- Wide-Band Lambda sensor
- CAN Bus network
- Functional OEM instrument panel

### APPLICATION

2014-2018 Toyota Corolla with specific vehicle VIN number provided



**STANDARD  
EQUIPMENT**

- Toyota Corolla 4-cylinder 1.8L engine
- Automatic transaxle
- OEM instrument cluster
- OEM EVAP system
- OBD-II DLC connector
- PCM breakout box with OEM terminal I.D.
- Manual fault box with 12 insertable faults
- Automatic regulated battery charger
- Emergency stop button
- 12V battery
- Fuel tank with OEM Fuel Pump and wiring
- Exhaust system with catalytic converter
- Safety covers for all rotating components
- Protective instrument panel cover
- HD 2" powder coated square tubing mobile stand with 5" phenol casters (2 fixed & 2 swivel w/locks)
- Scanner shelf for handheld scan tools
- One OEM ignition key included
- Fork lift bars

**OPTIONAL  
EQUIPMENT**

- Electronic programmable fault box with 16 faults & capable of programming both constant and intermittent faults with remote control via USB cable (EM-250-2)
- Heat & A/C system (H-Block TXV) with clear sight glasses or pressure gauges
- Vinyl dust cover (24498)
- Additional OEM ignition key (53150)

**TECHNICAL  
INFORMATIONS**

- **Dimensions:** 68 x 43 x 52 inch (172.7 x 109.2 x 132.1 cm) / 70 x 48 x 54 inch (177.8 x 121.9 x 137.1 cm) with packaging
- **Weight:** 808 lb (366.5 kg) / 990 lb (449.1 kg) with packaging

