

CONSULINK™ (PATENT PENDING) GM 1.4L ENGINE TRAINER WITH AC & STOP-START



INTRODUCTION

The first ConsuLab engine bench to ever have 2 pedals, brake and accelerator. You can now do **stall tests** and **load** the engine; you can perform a basic “**road test**” within your classroom going up to 20mph which allows **Stop-Start to function!** Combine this with the new **ConsuLink™ (PATENT PENDING)** student learning platform to enhance student engagement and use this bench to teach advanced driveability, engine performance and **HVAC** (air conditioning).

WHAT IS CONSULINK™ (PATENT PENDING)?

ConsuLink™ (Patent Pending) changes the way that you and your students interact with our products. Instead of relying on switches and dials to turn on and off and adjust faults or different scenarios with the engine bench, they are now accessible through a touchscreen on the front of the trainer.



WHAT'S IN IT FOR MY STUDENTS ?

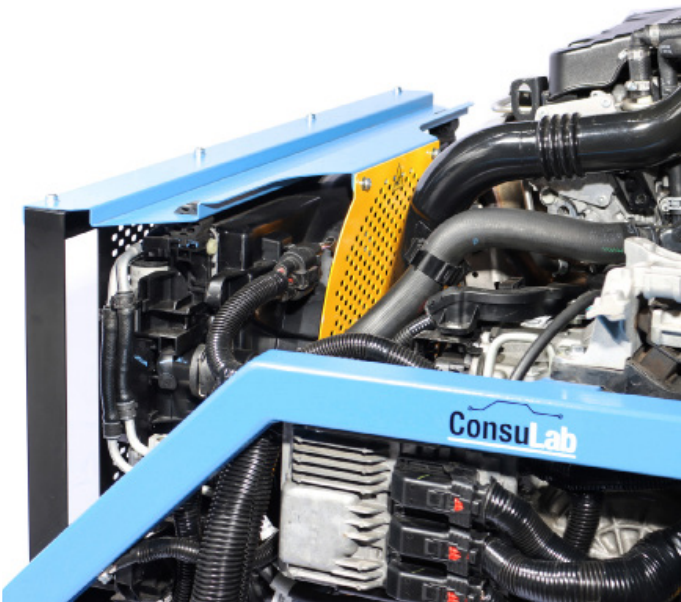
Through ConsuLink students gain access to safety warnings, component locator, wiring schematics, basic operating instructions, **Case Studies** and more. The students can autonomously activate each case study which will automatically adjust the engine bench to the preset parameters, give them the customer complaints and instructions on what to do, thus liberating instructor time. Students can proceed through these case studies on their own and bring the results to you their instructor. They bring their scan tool, service info, multimeter/oscilloscope, and their desire to learn, and ConsuLink™ (Patent Pending) will help with the rest!



WHAT'S IN IT FOR ME ?

ConsuLink™ (Patent Pending) holds all the information necessary to make teaching with the engine bench easy, once you enter your teacher pin or unlock it with the provided access key, you gain access to the answer keys to all the student case studies, you also gain access to numerous lessons with preselected fault values instructions, basic lesson plan, types of demonstrations that can be done, all **vetted out and proven by our team to save you time**. You gain access to faulted schematics, the ability to create your own case studies (through manual fault insertion), along with all the other information available through the student menus.

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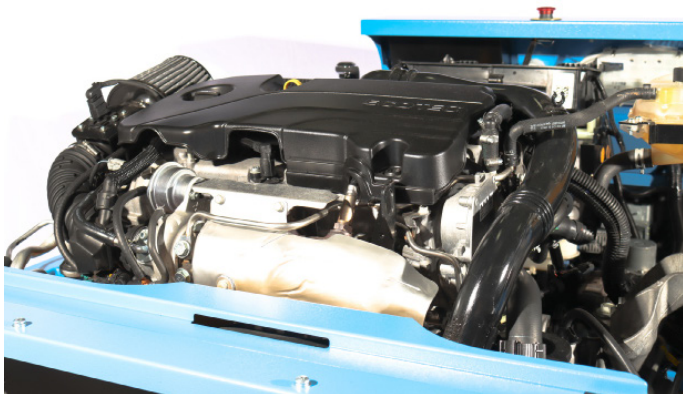
EDUCATIONAL ADVANTAGES

- Perform a basic “road test” in your classroom and demonstrate the **Stop-Start** and engine auto-stop features. By attaining all the **enabled criteria** you can force the engine to **auto-stop** at a “red light/stop sign”. You can then demonstrate all the different disable criteria that turns the system off
- Equipped with **OEM HVAC system** and dash controls
- Tablet-based ConsuLink™ (Patent Pending) Student Learning Platform designed to enhance student engagement
- **Stall test** can be performed by depressing both accelerator and brake pedals simultaneously, this can be used to demonstrate loading the engine and for **misfire detection**
- OEM Instrument panel with all indicator lights
- **ECM Break Out Box** matching OEM circuit pin identification with 2mm test receptacles
- Engine systems respond to inserted faults with real world symptoms, OEM DTC’s, scan tool data-stream PID changes and check engine light operation
- A **DLC (datalink connector) Break Out Box** specifically designed for use in educational environments with robust 2mm test pins and LED activity indicators for all 16 pins of a standard OBDII DLC

SUPPORT MATERIALS

- The complete training system comes with the following support materials:
- A self-contained total training package providing everything needed for engine diagnostics. Aligns with ASE Education Foundation and Red Seal tasks addressing Electrical (A6) & Engine performance (A8)
- Over 39 student activities with instructor guides, case studies, fault insertion, diagrams, and built in system schematics to guide the students and the instructor that saves many hours of organization and preparation by instructors
- Facilitates student engagement with hands-on, self-paced, education
- Product familiarization training is available through video conference
- Between 75-100 or more hours of instruction is possible with this product

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DESCRIPTION OF EQUIPMENT

- Recycled engine, OEM vehicle harness, electrical power distribution components, fuel pump and auxiliary systems using a 2019-2016 Chevrolet Cruze 1.4L
- Built in ConsuLink™ (Patent Pending) student interface tablet that includes product manual, component I.D., schematics, and instructor information
- ConsuLink™ (Patent Pending) Student Learning Platform including inserted faults, diagnostic case study scenarios, and instructor support information
- Original vehicle instrument panel with OEM ignition key (Extra key is available as an option)
- OBDII data link connector with built in DLC Break Out Box and LED CAN Bus activity indicators
- OEM power distribution center with circuit protection
- ECM Break Out Box with OEM matching terminal circuit identification and wire colors
- Mobile stand constructed of 2" (5cm) tubular steel equipped with four 5" (12.7cm) phenol casters
- (2-fixed and 2-swivel w/locks)
- A totally functional engine with all OEM components
- Automated 12V battery charger
- Emergency Push Button stop switch
- Comes with a functional OEM HVAC system

VEHICLE APPLICATION

- 2019-2016 Chevrolet Cruze 1.4L engine, automatic transmission, start/stop, w/ ConsuLink™ (Patent Pending) SLP

PHYSICAL SPECIFICATIONS

- Dimensions: 64" L x 44"W x 53 ¼" H (163 x 112 x 135 cm) 68" L x 48 ¼" W x 59 ¼" H (173 x 123 x 150 cm) w/packaging
- Weight: 1120 lb. (508 kg) 1220 lb. (553 kg) w/packaging
- WARNING - This product must be connected to an exhaust removal system before operating