

## DIESEL REPAIR TRAINER 2-CYL MECHANICAL INJECTION



Give your students a path to bolster their pride in workmanship. Let us help them create their own intrinsic motivation to do an excellent job in their mechanical endeavours! All with a complete running diesel engine for your classroom. The HV-145S-KB02\_053277 is a teardown station for teaching engine mechanical, with low-cost consumables, small package size and brand-new components. Teach the fundamentals of diesel engines, mechanical fuel injection systems, injectors, pumps, component identification all on this Kubota 2-cylinder engine from ConsuLab.

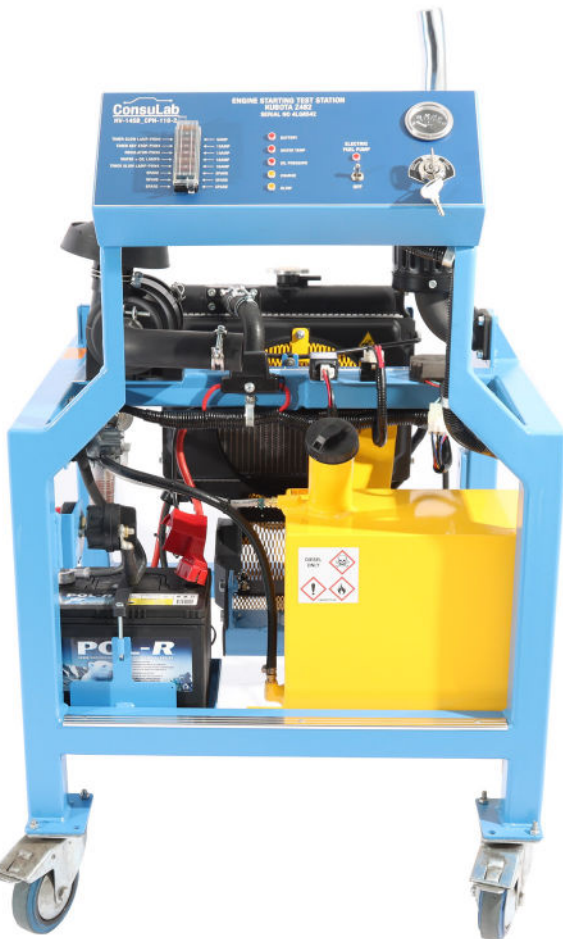
The ConsuLab HV-145S-KB02\_053277 is a diesel engine repair trainer with a Kubota 2-cylinder mechanically injected diesel engine on a swivel stand. This stand is designed for student instruction and practice covering engine mechanical inspection, disassembly, measurement, and reassembly. The product is designed to facilitate quick and easy setup to run and test each engine in a safe, and controlled environment. It includes two sub-assemblies: a swivel engine stand and a starting station.

### WHAT ACTIVITIES DO THE STUDENTS PERFORM WITH THIS PRODUCT?

- Engine identification to facilitate the location of operation, service, and parts manuals
- Engine disassembly and reassembly
- Engine diagnostics
- Component measurements
- Compression testing
- Engine mechanical diagnostic testing procedures
- Starting and charging system operation
- Engine emissions testing
- Component identification

### APPLICATION

- Kubota Z482 Supermini 2-cylinder diesel engine



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### FEATURES

- Engine may be run prior to disassembly and after reassembly.
- Functional fuel control lever.
- Bell housing plate allows access to crank pulley bolts and rear main oil seal
- Robust connectors between the starting station and swivel for all connection points.
- Flat-faced leakless fuel line connections between the two units.

### CURRICULUM INCLUDES

- Operation manual
- 10 student exercises
- Electrical schematic

### TECHNICAL INFORMATION

- Starting Station: L 28" x W 24" x H 45"
- Swivel engine: L 28" x W 42" x H 45"
- Combined total weight 690 lb

