

H-AUTO-SS

Automotive Starting System Trainer

Purpose

The Hampden **Model H-AUTO-SS** Automotive Starting System Trainer demonstrates the principles of operation and troubleshooting techniques on an automobile. The trainer panel is divided into three distinct sections.

First, the left side of the panel contains an automobile graphic with a toggle switch for controlling the fuel level in the automobile.

Second, the right side of the panel contains a ladder diagram of the automobile's electrical, starting and mechanical systems with test buttons and indicator lamps.

Third, the top left of the panel contains the meter section, which contains an ammeter, voltmeter, resistance meter and a fuel gauge, for circuit tests.

There are many types of automobile starting systems in service, each with their own unique parts. This trainer assumes standard parts that might be encountered in the field, so the troubleshooting, diagnostics, and repair techniques are similar for all automobile starting systems.

The computer screen provides visual feedback on automotive systems with the following components: gear selection, ignition switch, brake pedal and external battery charger.

Testing Capabilities

Hampden's **Model H-AUTO-SS** provides training in the use of digital multimeters to pinpoint problems in automotive starting systems.

- Battery Voltage
- Battery Posts
- Ignition Switch
- Neutral Safety Switch
- Starter Motor Solenoid
- Starter Motor
- Slow Cranking
- Fusible Link
- Power Train Module
- Flywheel



Model H-AUTO-SS Automotive Starting System Trainer
Dimensions: 25"H x 24"W x 12"D
Shipping Weight: 110 lbs

- Charging System
- Engine Ignition
- Power Train
- Fuel

Real-Time Performance

Hampden's line of **Computer Assisted Panel Instruction Modules** have been designed to provide realistic System Operation & Troubleshooting functions to virtually *ANY CLASSROOM!* Each module's front panel is silkscreened with a complete schematic & pictorial layout of all system operations and combined with actual test-point pushbuttons, LEDs and meters.

All units are controlled via a PC using supplied Hampden software and USB I/O Interface.

Realistic Problem Solving in the Classroom

All Instruction Modules have the capability of inserting system specific Mechanical & Electrical malfunctions. This gives students the added experience of resolving realistic problem situations which would otherwise be very difficult for an instructor to create in a classroom.

Standard Features

- Schematic and Pictorial Test Points
- Specification Chart
- Improper Equipment Use Warning
- Component Isolate Switch
- Malfunction Indication
- Windows Digital Control System
- Duplex Socket for Power
- Power Indicator Lamp

All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION