

# EFI Toolbox

Products for Hyster & Yale Service Technicians



## CodeMate - EFI Code Reader

CodeMate serves as both an EFI Problem Indicator and a Spark Timing service tool. It is a suitable tool for the low volume repair shop that troubleshoots a minimal number of EFI systems a year. It indicates and reads what EFI fault codes

are present and allows base spark advance to be set when used with a timing light. CodeMate is easy to use and fits in the palm of your hand. It is a self-contained code reader.

#94008

\$44.95



## IAC Signal Tester

Diagnosing Idle Air Control problems on EFI engines can be a real challenge without the proper test equipment. This electronic diagnostic tester is used to check the condition of the ECM's Idle Air Control electronic driver circuit. The ECM's driver circuit controls the movement of the IAC motor's air bypass valve and thereby allows the

ECM to regulate idle speed. This tester provides a visual display of the ECM's two IAC driver signals and indicates both the polarity and switching activity of the IAC signals. This is a real time saving device when troubleshooting IAC problems.

#94016

\$39.00



## TechMate - Scan Tool

This self-contained, hand-held diagnostic scan tool displays complete Hyster and Yale EFI system information to quickly perform component level diagnosis. TechMate displays live sensor readings, extracts ECM fault codes, and provides fault code explanations. Its built-in fuel injector tester performs both single pulse and

multi-pulse tests to locate multiport injector problems. The tool is supplied with a deluxe padded storage case and 4.3L EFI adapter. Optional CEFI adapter available on next page.

#95050H(Hyster)

\$479.00

#95050Y (Yale)

\$479.00



## Diacom Plus - EFI Diagnostic Software

Save hours in diagnostic time with this sophisticated diagnostic software system. Used in conjunction with an IBM compatible PC, Diacom Plus taps into the engine's on-board computer allowing a technician to quickly zero in on intermittent problems and malfunctions. Diacom Plus displays 30 engine parameters

simultaneously allowing you to get the "big picture" during your diagnostic session. Diacom Plus also records and graphs data from all accessible EFI system sensors and controls. This is the ultimate EFI analysis tool!

#95010

\$579.00



## Engine Timing Adapter

Designed for Hyster and Yale fuel injected fork trucks equipped with 1996 and newer GM 3.0L and 4.3L fuel injected engines. This adapter is a required dealership service tool and is needed to set base ignition timing. The adapter plugs into the engine's distributor and provides a stable

timing signal during the adjustment procedure. Please note that this adapter must be used in conjunction with a timing light. The adapter is supplied with an instruction sheet.

#95009

\$44.95



## Ignition Voltage Analyzer

This small, lightweight and easy to use tester may be one of the most valuable tools in your toolbox! It works with electronic, distributorless and breaker point ignition systems. The large bright digital display allows the technician to quickly analyze secondary

spark voltages to each cylinder. It will help you locate problems such as: faulty ignition coils, fouled or worn spark plugs, incorrect plug gap, bad or shorted plug wires, cylinder compression problems and fuel mixture problems.

#98003

\$129.00



## EFI Sensor Tester & Simulator

Finally, an all-in-one tool that will tell you if the sensor, harness and computer circuits are good. A large bright digital display responds to either input or output signals in both voltage and frequency modes. Test or simulate a variety of

sensor types and eliminate expensive trial and error sensor replacements. A brilliant analog 40 segment bar graph displays sensor voltages as, in the past, only a scope could.

#98002

\$349.00



## EFI Digital Multi-Meter

Designed for industrial and automotive use, this high impedance digital tester is ideal for EFI troubleshooting. Features include an extra large LCD display, tach, dwell, duty cycle and temperature functions. Also performs

continuity, DC volts, DC current and diode tests. Unit is supplied complete with a protective holster, carrying case, test leads and temperature probe. An incredible value and a must for any technician.

#98004

\$89.00



## EFI Sensor Test Lead Kit

This complete kit of adapters is designed to make the job of testing EFI sensors a whole lot easier! Properly functioning sensors are absolutely essential on any EFI equipped engine. When your diagnostic tool indicates a sensor problem, your next task is to verify the sensor's operation with a digital voltmeter or sensor tester. Most voltmeters and sensor testers are supplied with insulation piercing test

probes which punch a hole in the sensor wire's insulation providing a path for moisture and corrosion. These test adapters clip directly onto the sensor and provide easy access to the sensor's voltage supply and output terminals without piercing the wires! Save time and frustration. The kit includes adapters for MAP, CTS, MAT, TPS and Knock sensors. An IAC test lead is also included.

#94025

\$89.00



## CEFI ECM Adapter

This adapter allows the TechMate scan tool to be connected to Hyster and Yale CEFI 1 through CEFI 3 equipped fork trucks. Unlike the 4.3L EFI engines, the CEFI 1 through CEFI 3 are equipped with a new 10 pin diagnostic data connector. This new data connector eliminates

the need for a separate 12 volt battery connection to power the TechMate scan tool. If you plan on servicing the CEFI 1 through CEFI 3 equipped fork trucks be sure to specify this optional adapter when ordering the TechMate tool.

#94005

\$39.00



## TechMate Software Updates

Be sure your TechMate scan tool is equipped with the latest software. Version 3 software has been released for the Hyster and Yale TechMate tools. The software provides many new features that will assist you in your diagnostic work. If you are not sure which version of

software is currently in your scan tool, you can find out by observing the tool's display screen when it is initially powered on. TechMate software versions are listed below:

#95056H (Hyster)

\$99.00

#95056Y (Yale)

\$99.00