

# Lite Service Inc.

introduces:

A Complete Diagnostic Kit

from

Truck Diagnostics Inc

*[www.truckdiagnostics.com](http://www.truckdiagnostics.com)*





## Basic (Budget) Kit

Are you tired of your handheld Pro Link Graphic or Pro Link IQ software not able to do what you want? Then our Budget Diagnostic Kit may be just for you. It is priced to be competitive with the handheld diagnostic tools, yet gives you the flexibility of using original equipment manufacturer software. Everything you need to get started is included, all the software is loaded and tested, and just like a handheld you have one place to go for service. However, unlike a handheld, you are using an industry standard PC that doesn't have to be sent back to the factory for a lengthy repair.



Our budget kit starts with a reliable notebook PC we have been selling for many years. It has a DuraFinish scratch-resistant finish, magnesium alloy support structure, metal alloy hinges, a spill-resistant keyboard, 3D DriveGuard shock absorption for hard drives, total test process, and panel protection system which protects the panel from keyboard scuffs.

Our standard interface device is the fastest, most reliable, and durable interface device on the market anywhere, even exceeding specifications for the U.S. military! If you are tired of using a different interface device for each software application, our interface devices work on all the listed software (except where noted), and come with a 36 inch "Y" cable for use on 9-pin and 6-pin diagnostic plugs.

An optional 1-year or 3-year Unlimited Accidental Damage Warranty\* is also available when you purchase the Budget Kit.



## Semi-Rugged Kit

Our semi-rugged kit starts with the Panasonic Toughbook CF-52 notebook computer. This kit is intended for the user who needs a PC that will withstand moderate abuse. Included with the semi-rugged kit is the same interface device described in the basic kit.

An optional 1-year or 3-year Unlimited Accidental Damage Warranty\* is also available when you purchase the Semi-Rugged Kit.

## **Rugged Kit**

Whether you are out in the field or down in the dirt, the durable Panasonic Toughbook CF-30 is built to take a beating. This workhorse is encased in magnesium alloy, with durability designed into every seal, hinge and connector. Plus, as the industry's fastest fully-rugged mobile PC, it's built for lightning-quick processing and wireless connectivity. Communicate in real time from remote areas, access databases online and run sophisticated software applications even in the harshest environments. Also included with the rugged kit is the same interface device described in the basic and semi-rugged kits.



An optional 1-year or 3-year Unlimited Accidental Damage Warranty\* is also available when you purchase the Rugged Kit.

\* The 1-year or 3-year warranties offer coverage from spills, drops or surges, including LCD and 9x5 Premium Pick-up and Delivery with 48-hour repair from our receipt (Truck Diagnostics Inc. pays the freight for domestic shipments only). This does not include the cost of transferring or reloading of any software.

## Software Options

Note: Please note the software listed below is **only** sold as a component of a new computer package. Software is not sold separately.

\*CAT ET & Cummins Software: We will load this software, but you must have an account in good standing with CAT or Cummins.

### **CAT ET Software \***

This diagnostic software communicates with electronically controlled Caterpillar engines and machines. Diagnose problems; view status parameters, logged codes, and active codes; perform functional tests; and record and view data logs.

#### Cat ET Features:

- On-highway truck engine warranty reports
- Parameter status display
- Active diagnostics display
- Logged diagnostics viewing and clearing
- Logging and viewing of irregular ECM occurrences
- View logged and critical events
- Diagnostic tests
- View and change calibrations
- Retrieve engine totals for fuel used, miles traveled, and more
- Caterpillar Flash Memory software for uploading new software to ECM's
- English and metric units of measure
- Integrated help file

Note: In order for the software to function on CAT off-highway equipment you will need to add the CAT translator. This software does not include an embedded engine or vehicle troubleshooting manual. You must have an account in good standing with your local CAT Distributor to purchase this software.

### **Cummins Insite™ Lite\***

This diagnostic software quickly provides your engine's electronic performance information with the inside details you need. Insite™ will function on every Cummins electronic engine containing all the engine (ECM) applications for automotive and industrial support. Using this software will help you to ensure accurate procedures and diagnosis, limiting downtime and increasing productivity and profits. This version will only allow you to update current calibration.

#### Insite™ Features:

- Step by step diagnostics
- Built-in engine drawings and schematic diagrams, including wiring diagrams and sensor location diagrams

- Delivers quick access to trip information
- Ability to store engine and trip information on a database for future use or as programming templates
- Adjusts parameters
- Reviews/clears fault information quickly and easily
- Easy-to-follow troubleshooting assistance

Note: You must have an account in good standing with your local CAT Distributor to purchase this software.

### **International Diamond Logic Builder**

This diagnostic software enables module detection allowing a quick way to check for communication to the ESC on the vehicle data links. A diagnostic override tests specific electrical system components. Diagnostic sessions can be created to enhance troubleshooting.

#### **IH Body Software Features:**

- Display diagnostic trouble code (DTCs)
- Record snapshot of vehicle operating data
- Display vehicle information, features, and parameters
- Graph selected vehicle operating data
- Display connector pin-outs
- Switch locations and cluster configuration

### **International Service Max**

This diagnostic software communicates with International electronically controlled engines which have a wide range of failsafe diagnostic capabilities.

#### **IH Engine Software Features:**

- Read and display electronic engine controller parameters (PID) in both graphical and textual format
- Read and display electronic engine controller diagnostic trouble codes (DTC) including ATA or J1939 trouble codes
- Provide additional specific detailed diagnostic service information on diagnostic trouble codes
- Read and display engine controller diagnostic trouble code freeze frame information
- Read and display electronic engine controller ID information
- Request to initiate and execute engine controller diagnostic tests
- Read and display electronic engine controller programmable parameters
- Modify customer adjustable/modifiable programmable parameters
- Read and display sources of active devices currently on the communication data link
- Provide snapshot recording of engine parameter data
- Provide snapshot recording play back

## **International Hydraulic ABS**

This diagnostic software allows you to use the wide range of failsafe diagnostic capabilities found in the International Hydraulic ABS system.

### **IH Hydraulic ABS Software Features:**

- Read and display numerous ABS parameters in both graphical and textual format
- Read and display system trouble codes
- Provide generic diagnostic information on specific trouble code service
- Read and display ABS Module ID information
- Provide snapshot capability
- Provide a mechanism to play back snapshot recordings

**Note:** In order for this software to function, you must add the Nexiq USB Link. The Nexiq USB Link allows any Windows 2000 or Windows XP operating system PC to communicate via the USB port with all electronically controlled international vehicles.

## **Allison-Doc™ for PC-Service Tool**

This diagnostic software uses the PC to communicate with 1000, 2000, 3000, and 4000 Transmissions utilizing Allison 4<sup>th</sup> Generation Controls. In addition, this software is backward compatible with all other electronically controlled, Allison commercial transmissions (excluding the E<sup>P</sup> 40/50 System™).

### **Allison-DOC™ Features:**

- User selected views of multiple transmission parameters
- Active and historical diagnostic trouble codes
- Graphical instrument panel view of transmission parameters
- Strip chart function
- User configurable Snapshot function
- User configurable Print function
- Code driven hotlinks to embedded WTEC II, WTEC III, 1000/2000/2400 Series™ and CEC2 Off-Highway Troubleshooting Manuals

**Note:** The Pro-Link® diagnostic tool will not be compatible to transmissions that utilize Allison 4<sup>th</sup> Generation Controls. The Allison 4<sup>th</sup> Generation Controls system requires Allison-DOC™.

## **Premium Tech Tool™ (PTT)**

This diagnostic software is used for vehicle and engine control management for *Mack* and *Volvo* vehicles and components. It bundles diagnostic (VCADS) and repair applications (guided diagnostics) together making it a one-stop shop for the technician. The primary purpose of PTT is to support the diagnostic and repair process and makes it easier for technicians to work with the tools provided.

### **PTT/VCADS Features:**

- Provides access to vehicle parameter programming, service information, and diagnostics
- Communicates with both Mack and Volvo vehicles

### **Detroit Mercedes/ DDDL 7.4**

This diagnostic software uses the PC as an electronic tool for servicing Detroit Diesel's 2007 DDEC VI equipped engines (S-60, MBE 4000, MBE 900, HDE). It helps technicians identify problems quickly and pinpoint opportunities to improve vehicle operations, and maximizes Detroit Diesel engine performance, giving you the ability to change engine settings and print reports. The DDEC VI electronics system contains two controllers, the MCM (Motor Control Module) and the CPC (Common Powertrain Controller)

#### **DDDL Features:**

- Perform standard fault code operations
- Links to traditional and advanced troubleshooting information
- Read actual values
- Configure and manage parameters
- Perform service routines
- Playback logs of all connected activity

Note: It is not backward compatible with earlier versions of Detroit Diesel electronic systems. Those systems will continue to be serviced with DDDL 6.4.

### **Detroit Mercedes/ DDDL 6.45**

This diagnostic software uses the PC as an electronic tool for servicing Detroit Diesel's 2006 DDEC I, II, III, IV, V and Mercedes equipped engines. It helps technicians identify problems quickly and pinpoint opportunities to improve vehicle operations, and maximizes Detroit Diesel engine performance, giving you the ability to change engine settings and print reports.

#### **DDDL Features:**

- Perform standard fault code operations
- Links to traditional and advanced troubleshooting information
- Read actual values
- Configure and manage parameters
- Perform service routines
- Playback logs of all connected activity

### **Meritor Wabco Toolbox Anti Lock Brake Software**

This diagnostic software uses the PC to communicate with ABS systems.

#### **Toolbox Features:**

- Display system faults and wheel speed data
- Test individual components
- Verify installation wiring



- Perform PASS/FAIL sensor installation tests on trailers equipped with Enhanced Easy-Stop™ as well as other PLC diagnostics
- Diagnostics for electronic stability control for tractor ABS
- Diagnostics for electronically controlled air suspensions (ECAS) for busses
- Comprehensive service information, including repair instructions and system schematics, for pneumatic tractor ABS, trailer ABS, and HPB.

### **Bendix® ABS**

The ACom™ diagnostic software performs a thorough and comprehensive Bendix® system test providing technicians the ability to easily diagnose and service vehicles that feature Bendix® EC-60™, Bendix® EC-17, Bendix® EC-30™, Gen 4, Gen 5 (U12 and U16), ABS 2X, Bendix® TABS-6, Bendix® EC-30T and A-18 ABS ECUs.

#### **Bendix® Features:**

- View and repair ABS component diagnostic trouble codes
- Monitor wheel speeds
- Display and edit configuration of ABS ECU
- Self-configure ABS ECU
- Test ABS components

### **Auto Enginuity® Scan Tool**

This diagnostic software uses the PC to scan all OBD2 compliant vehicles to quickly determine what service the vehicle requires. This is the domestic engine pack; however the following manufacturer specific options can be added: BMW, Toyota, Nissan, Hyundai, Kia, Land Rover, Jaguar, Honda, Subaru, Porsche, Mitsubishi, Isuzu, Audi/VW, and Mazda group vehicles.

#### **Auto Enginuity® Features:**

- Read vehicle's diagnostic trouble codes
- Read live vehicle sensors (including wide-band O2 sensors)
- Receive inspection/maintenance system test results

### **Command Zone™**

This diagnostic software uses the PC to increase vehicle reliability and speeds troubleshooting through report data and its diagnostic capabilities. This version is for Oshkosh's Command Zone™ computer controlled, multiplexed electronics systems.

#### **Command Zone™ Features:**

- Operates and diagnoses all major vehicle systems
- Multiplexing technology
- Troubleshoots Oshkosh's Command Zone™ computer controlled, multiplexed electronic systems

## **Harnesses/Curriculum/Training**

**In addition to PC based heavy duty vehicle diagnostic equipment, we can provide heavy duty diesel engine diagnostic harnesses, custom curriculum development, and diagnostic training. We have provided training for the Air Force, Marines, and National Guard, as well as, private firms. If you are in need of training, ask for a quote.**