

OPERATING INSTRUCTIONS DIS TESTER

INTRODUCTION

IMPORTANT: To reduce the risk of electrical shock, personal injury or damage to the Tester or module, read these instructions completely. DO NOT operate the tester before reading these instructions.

The DIS Tester is a professional, countertop, off-vehicle tester. It is designed to test most automotive Electronic and DIS ignition modules and determine whether they are good or bad within seconds. It is intended for use by an auto parts store that sells ignition modules, an auto repair shop that replaces modules, or an auto parts warehouse that processes returned modules.

FEATURES

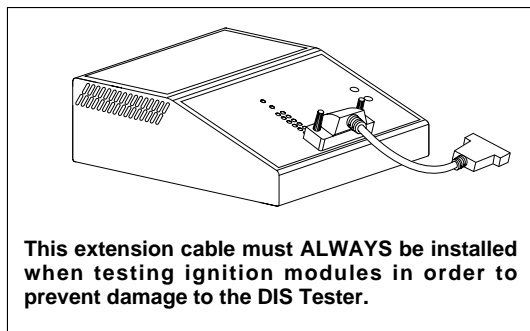
- As vehicle electronics and engine management systems evolve to a higher level of sophistication, it is important to have a tool that will adapt to the design and specification changes which will occur, and do so in a simple and efficient manner. The DIS Tester is a computer. It is software driven, and can be easily upgraded for future applications and functions by simply replacing the software cartridge with an updated version (additional cables may be required).
- The DIS Tester is microprocessor-based. It includes software which allows it to be connected to a personal computer or a dedicated stand-alone printer (optional). This gives the operator the ability to view and/or print test results.
- ASE certified technicians are available to provide support through web site, e-mail, fax and by phone. Refer to SERVICE PROCEDURES for information.

SAFETY PRECAUTIONS

- To prevent electrical shock or damage to the Tester, **DO NOT** operate the unit in a damp or wet area.
- **DO NOT** place open liquid containers on top of the Tester.
- To avoid electrical shock, **DO NOT** disassemble the Tester and/or remove the software cartridge from the Tester. If a malfunction occurs, contact the Technical Service Center for service procedures.

SET-UP

1. Complete the Warranty Registration card and return to the Technical Service Center to protect your equipment and to keep you informed on product updates and new cable availability.
2. Place the DIS Tester on a countertop. Plug the A/C power cord firmly into the back of the Tester and into an A/C outlet (use an extension cord if necessary). Make sure the cartridge (included with the Tester) is properly inserted in the side of the Tester.
3. Install the DIS Tester extension cable to the top of the DIS Tester and fasten both of the screws (hand-tight only) securely.
4. Turn the DIS Tester **ON** (the power switch is located on the back of the unit). The Tester will perform a "self-test" of its systems. When the Tester completes its "self-test", the **SYSTEM READY LED** will flash continuously, indicating it is ready to test modules.



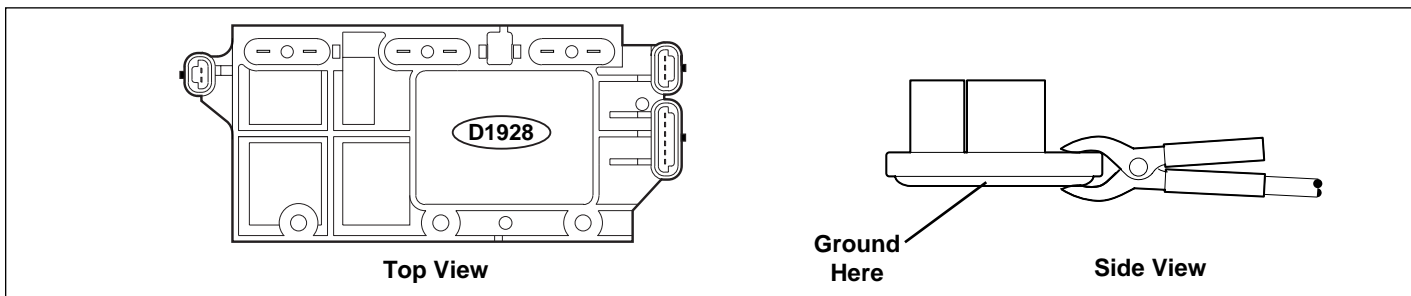
NOTE: If the **SYSTEM READY LED** fails to flash, or the Tester does not function at all, recheck the A/C power cord connections. **MAKE SURE** the A/C outlet has power. If the Tester still will not function, contact the Technical Service Center.

TESTING AN IGNITION MODULE

1. Match the ignition module to be tested with the illustration on the Module Map, and identify the cable ID number (D1928, for example).
2. Match the Cable ID number (for example: D1928) on the Module Map illustration with the ID number stamped on the test cable.
3. Connect the module to be tested to the cable. Push the module firmly into the cable to ensure a good connection.

NOTE: Dedicated cables only fit one way.

4. For cables with an attached ground clip **ONLY**: Connect the ground to the module before test. Be sure to connect the clip to a clean metal surface on the underside of the module, as shown in the illustration below.



5. Connect the Cable to the DIS Tester extension cable.

WARNING: Shock hazards exist while the module is being tested. Place the module on the counter before pushing the test button. **DO NOT** handle the module during testing and use caution when handling the module after the test has completed, the module will be **EXTREMELY HOT!**

6. Press and release the **PUSH TO START TEST** button and wait for test results.

INTERMITTENT TEST (Optional)

Some marginal modules will only show problems under vibrating conditions. To simulate the effect of vibration, a tapping device has been provided.

NOTE: You should only use the tapping device provided (Part # 05-4247).

1. Tap the back plate of the DIS module three or four times during testing to simulate a possible vibration problem.

WARNING: Shock and burn hazards exist. **DO NOT** handle the module under test. Place the module on the counter before testing and/or tapping.

2. Continue testing the module as outlined in the paragraph titled "TESTING AN IGNITION MODULE".



OPERATING SPECIFICATIONS (Specifications subject to change without notice)

Humidity:	80% maximum for temperatures up to 86°F (30°C), decreasing linearly to 50% for 104°F (40°C), altitudes to 6,600 feet (2,000 meters).
Temperature:	32°F (0°C) to 122°F (50°C); 20% duty cycle over 95°F (35°C) in Pollution Degree 2 environment.
Input:	100-250 VAC at 50/60 Hz, 150 watts, 256 volt / 5 amp. fuse.
Note:	For indoor use only; Installation Category II.
Listing:	UL and ULC.
Duty Cycle:	30% (per hour, 30% on with load, 70% on without load at 77°F (25°C) ambient). Derate 1% per 2°F (1°C) rise in ambient temperature until maximum temperature of 122°F (50°C).
Test Voltage:	5.4 and 15 VDC.
Test Accuracy:	Bad: 100%; Good: 95%

MAINTENANCE

To maintain the Tester in good operating condition, observe the following operation and maintenance procedures:

- Operate the Tester in a well-ventilated area. **DO NOT** put objects on top or against the side of the Tester.
- **DO NOT** operate the Tester outside of its operating temperature range (below 32°F/0°C or above 122°F/50°C).

WARNING: MAKE SURE to disconnect the Tester from the A/C outlet before cleaning.

- To clean the Tester, use a clean cloth dampened with mild detergent and water. **DO NOT spray the Tester directly or use harsh chemicals such as carburetor cleaner, brake cleaner, etc.**

TESTER CALIBRATION

In an effort to maintain the testing accuracy and performance of each unit sold, the Technical Service Center will offer a calibration service. **This unit was calibrated to the manufacturer's specifications at the time of production. Note: The manufacturer recommends returning the unit to the Technical Service Center once per year for calibration to retain the testing accuracy. Please visit www.DISTester.com or call 1-800-544-4124 to inquire about this service.**

QUESTIONS AND ANSWERS

Q: *Can this Tester test all ignition modules?*

A: This Tester can test all of the most popular import and domestic DIS and CONVENTIONAL electronic ignition modules (an optional cable kit - Part #06-4610 is needed to test CONVENTIONAL modules). If a module is not on the map, please call 1-800-544-4124.

Q: *What is the accuracy of the Tester?*

A: Test accuracy is nearly 95%. The major defect the Tester cannot test accurately is thermo-vibration related defects. **PLEASE NOTE:** There are some defects which occur only while a module is installed in a vehicle which no stationary tester can detect.

Q: *Can a module be damaged if it is hooked up incorrectly?*

A: The Tester has a built-in protective circuit. It will not damage any ignition modules.

Q: *Can the Tester be left on all day?*

A: Yes. The Tester is designed to be left **ON** and ready for testing.

Q: *How can I reset the Tester?*

A: There are three ways to reset the Tester: 1) Turn the power switch **OFF**, and then back **ON**; 2) Remove the test cable; 3) Wait for about three minutes after the test has finished; the Tester will automatically reset.

SERVICE PROCEDURES/OPTIONAL ACCESSORIES

For technical support and information on UPDATES and OPTIONAL ACCESSORIES (Cable Racks), visit us on the Web at www.DISTester.com or contact us through E-mail: TECH@DISTESTER.com; Fax: (714) 432-7511; Phone: 1-800-544-4124 or (714) 241-6805 (7AM-4PM Pacific Standard Time).

DIS-PC Link™ Software

The enclosed diskette includes the latest version (as of this writing) of the *DIS-PC Link™* software and can be used with the DIS Tester to retrieve and view detailed ignition module test information. You can also download the latest version of the software by visiting the DIS Tester support site at www.DISTester.com.

Minimum System Requirements

- 486DX Processor
- Windows 95
- 8MB RAM
- 256-color display monitor
- An open Serial Port (RS-232)
- Mouse

Recommended System Requirements

- Pentium Processor (I or higher)
- Windows 95 / 98 / 2000 / NT 4.0
- 16MB RAM or more
- 16-bit Color Display or higher
- PS2 Mouse
- An open Serial Port (RS-232)
- Internet Access

Installation

NOTE: This software will not run on Macintosh® Systems. It is only intended to run on IBM PC-compatible machines.

1. Insert the floppy diskette.
2. From the Windows 9x / NT Task Bar, select START, then choose Run.
3. Type A:Setup (or B:Setup) and press ENTER.
4. Follow the on-screen instructions.

Using the Program

The DIS-PC Link™ software comes with a HELP file to help you get connected and started with using the program. It is highly recommended that you view this file prior to using the program for the first time.

Software Warranty

The software comes with a limited 90-day warranty. Please see the complete warranty information under the installation routine of the program.

