

## TROUBLESHOOTING/REPLACEMENT PARTS

- No start; Make sure the distributor is getting 12 Volts, and that distributor housing is grounded properly through the hold down bracket to engine block
- No start; Double check the both HEI module screws are securely fastened to the distributor housing
- No start; run a jumper wire from battery positive to **DIST** connection on distributor cap. If this fixes problem voltage issue is preset in wiring harness.
- For further help contact Tech at 909-599-5955 or visit <http://support.pertronix.com/>
- Use of Per-Tronix power relay can help fix voltage issues. **P/N: 2001**

## LIMITED WARRANTY

PerTronix, LLC. Warranty is to the original Purchaser that its Ignition products shall be free from defects in material and workmanship (normal wear and tear excluded) for the following periods:

Ignitor, Ignitor II, Ignitor III – 30 months

Industrial Distributor – 90 days mechanical/30 months Ignitor

Flame-thrower coils – 90 days

Flame-Thrower HEI distributors – Limited 1 year

Flame-Thrower Billet and Cast distributors – 1 year Mechanical/30 months Ignitor module

Flame-Thrower Spark plug wire – Limited Lifetime

Ignition Boxes (second strike, Rev Limiter, & Digital HP) – Limited 1 year

All warranty periods start on the date of purchase

All returns must have a Return Material Authorization (RMA) number issued to them before being returned. To obtain an RMA number please contact PerTronix Technical Department at (909) 599-5955.

When returning, leave all wires at the length in which they have been installed. Include a copy of receipt, detailed account of the problems experienced and RMA number. All warranties are to be returned prepaid shipping and Pertronix will return the product prepaid.

If within the period of the foregoing warranty PerTronix finds after inspection, it was used in a normal/ proper manner, consistent with PerTronix instruction, and the product or any component thereof is defective.

PerTronix will, at its option, repair such products or components or replace them with identical or similar parts.

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE FURNISHING OF A REPAIR OR REPLACEMENT COMPONENT OR COMPONENTS SHALL CONSTITUTE THE SOLE REMEDY OF PURCHASER AND THE SOLE LIABILITY OF PerTronix LLC WHETHER ON WARRANTY, CONTRACT OR FOR NEGLIGENCE AND IN NO EVENT WILL PerTronix LLC BE LIABLE FOR MONEY DAMAGES WHETHER DIRECT OR CONSEQUENTIAL.

# PERTRONIX

PERFORMANCE BRANDS



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## INSTALLATION INSTRUCTIONS

**PART NUMBER:** D72000

## GENERAL INFORMATION

- **IMPORTANT:** Read all instruction before starting the installation
- **WARNING!!** Do not use with solid core ignition wires
- Flamethrower HEI **III** module is street legal. **C.A.R.B E.O. #D-57-22**
- The HEI **III** is designed for 8 cylinder engines only
- The HEI **III** is a Multi spark ignition module. It can not be used as a trigger for most electronic boxes or **EFI** systems
- The HEI **III** Rev Limiter is preset at 5500 **RPM**. The Rev Limiter can be adjusted by the installer. The Rev Limiter has a minimum of 4000 **RPM** and Maximum 9000 **RPM**
- Full 12-volts is required. Lower voltage will cause module and coils to work poorly or fail prematurely
- The HEI **III** is compatible with all HEI coils. It works best with low resistance coils like Flamethrower D3000 or D3070 (**NOT** street legal) coils

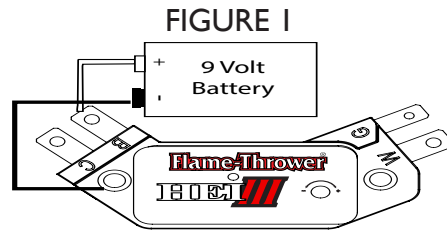
## REV LIMITER SETTING PROCEDURE

- **NOTE:** Rev-Limiter setting **CANNOT** be recalled once programming has been saved. Activating programming mode will erase the old Rev-Limiter setting. It will require a small Phillips screwdriver to set Rev Limiter. The potentiometer (dial) has a total range of approximately  $\frac{3}{4}$  of a turn.

| LED Pulse Pattern                                                            | RPM Setting    |
|------------------------------------------------------------------------------|----------------|
| Long Pulse                                                                   | Thousand's RPM |
| Short Pulse                                                                  | Hundred's RPM  |
| Example: 6 Long pulses followed by 3 Short pulses equals 6300 RPM Rev Limit  |                |
| Example: 8 Long pulses followed by no short pulses equals 8000 RPM Rev Limit |                |

- The module's Rev-Limiter can be set outside or inside the distributor. Setting it outside the distributor is the recommended setting method.
- For setting the Rev-Limiter out of the distributor follow the wiring diagram (Figure 1). Two jumper wires and a battery source (9 or 12-volts) will be required.
- For setting the Rev-Limiter in the distributor. **FIRST FOLLOW MODULE INSTALL STEPS THEN COME BACK TO THIS SECTION.** Connect the distributor's 12-volt power wire and wire harness to the distributor cap and lay it to the side.

- Once all wiring has been completed and voltage is applied (jumpers hooked up or key switched “ON”) to module programming of the Rev-Limiter can be started.



- With voltage applied to the module, turn the dial completely clockwise, and then turn it completely counterclockwise. Now the **LED** will flash a pattern of 1 long pulse and 1 short pulse, then off for two seconds. This pattern means the Rev-Limiter is disabled. Turn the dial clockwise about halfway, the **LED** light will flash an **RPM** pattern. Now the dial can be turned in small adjustments in either direction till the desired setting is reached. (See **LED Blink Pattern** chart to understand pulse pattern) The **LED** light will flash the **RPM** pattern continuously till done programming module.
- After the desired **RPM** is set, allow the pattern to flash at least 3 times. Then power down the module to save the Rev-Limiter **RPM** setting. We suggest writing down the **RPM** setting for future reference

- WARNING** - Ensure that the factory HEI noise filter capacitor on this side of the wiring harness is correctly mounted. Failure to do so could result in shorting the life span of the Flamethrower module. If your capacitor is damaged, a replacement harness (**PN #D9007**) can be purchased.
- Re-install distributor rotor and cap.
- Re-connect power and Tach wires. Check the spark plug wires to be sure none have come loose before starting the engine.

## MODULE INSTALLATION

- Remove the power and tachometer wires from the cap(Ford modules can skip down to “Remove module”)
- Remove the distributor cap. Without disconnection any of the spark plug wires.
- Remove the distributor rotor.
- Remove the module mounting screws. Then lift module up, and disconnect the connectors at both ends.
- Remove the module, and wipe the mounting surface clean.
- Apply a light layer of the included heat sink compound to the bottom of the new Flamethrower module.
- Connect the HEI module to both connectors, and insert it in the distributor.
- Re-install mounting screws in the HEI module. Making sure the module is flat and screws are tight.
- NOTE:** The module is grounded through the screws, so they **MUST** be installed for the HEI to work correctly.
- If Rev-Limiter needs to be set please go back to Rev-Limiter setting procedure at this time.