

## THE ULTIMATE IGNITION SUPPLEMENT

Second Strike is the only ignition system to provide a powerful second spark throughout the entire RPM range. Other multiple spark discharge systems typically revert to one spark at about 3000 RPM. The "Second Strike" is a microcontroller based ignition supplement that works with most inductive type systems (points, GM HEI, Chrysler electronic ignition, Ford TFI and Duraspark, Ignitor and Ignitor II). Following the primary spark, the Second Strike delivers a powerful capacitive discharge second spark resulting in more complete combustion. At very high RPM's the increased burn time can reduce misfires resulting in more peak horsepower and torque.

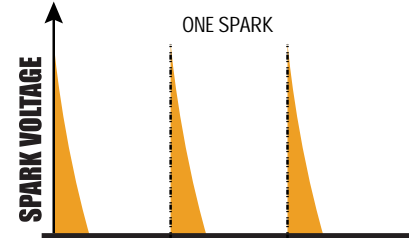
Second Strike's unique crank angle offset (CAO) feature gives you tunability that no other box has. Simply turn the dial and change the time, in crank angle degrees, that the second spark occurs. A wide range of adjustment gives you the flexibility to find which CAO works best for your engine.

The integrated digital rev limiter features easy to use rotary switches that adjust the RPM limit to an ultra fine resolution of 100 RPMs, eliminating the need for old resistor style pills or chips. Proprietary algorithms provide superior control of rev limit and a rapid response time to over rev events, preventing engine failure.

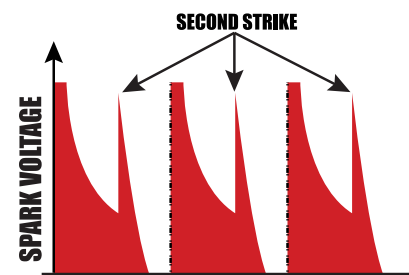
Easy installation with a simple five wire hookup and detailed instructions. No special distributor or ignition coil are required.



### TYPICAL MULTI-SPARK CD SYSTEM ABOVE 3000 RPM



### SECOND STRIKE ABOVE 3000 RPM



## FEATURES

- Only system to provide a second spark throughout the RPM range.
- Powerful CD second spark resulting in more complete combustion.
- Increased burn time increases horsepower and torque at high RPMs.
- Unique (CAO) feature adjusts the timing of the second spark.
- Built-in digital rev limiter with high resolution.
- Digital rotary switches permit easy adjustment.
- Adaptive voltage feature prevents overdriving the ignition coil.
- Voltage protection prevents damage from reversed polarity.
- Tachometer output with TTL interface and near 50% duty cycle make our limiters compatible with most modern tachometers.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-22)
- Limited One Year Warranty.

Description	Part No.
Second Strike	500

#### Application Notes:

- For 4, 6 and 8 cylinder even fire engines with single coil inductive ignition system
- 12 Volt negative ground
- Not for use on computer controlled vehicles

## SPECIFICATIONS

Spark Energy:	245MJ
Primary Voltage:	200-700 Volts
Spark Timing:	Adjustable 2° -18°
Voltage Required:	11-18 VDC
Current Draw:	3.5 Amps @5000 RPM
Size:	6"L X 4"W X 3"H
Weight:	2.3 Lbs.

## FOOL PROOF CONTROL...

Flame-Thrower digital rev limiters work with any 4, 6 or 8 cylinder engine using points, OEM electronic (GM HEI, Ford, Chrysler) or aftermarket inductive type ignition systems including our very popular Ignitor and Ignitor II points replacement systems.

This digital microcontroller based unit provides a much greater accuracy (+/-0.01%) over analog systems. There is no need for old resistor style pills or chips, our easy to use rotary switches adjust the RPM limit to an ultra fine resolution of 100 RPMs. Our proprietary algorithms provides superior control of rev limits and a rapid response time to over rev limit events, preventing engine failure. Rev limiters come with multiple analog filters and one digital filter to prevent coil noise interference from affecting the established rev limit.

Installation is a snap with a four wire hookup and easy to understand instructions. The rev limiter's small size permits installation in even the most crowded engine compartment.



## FEATURES

- Digital microcontroller based unit provides greater accuracy (+/-0.01%) over analog systems.
- Easy to use rotary switches permit settings with a resolution of 100 RPMs.
- Tachometer output with TTL interface and near 50% duty cycle make our limiters compatible with most modern tachometers.
- Reverse voltage protection.
- Conformal coated surface mount PCB for reliability .
- Easy four wire hookup.
- Compact size: 3"L X 2.5"W X 1.4"H.
- Lightweight: 0.75 LBS.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-22)
- Limited One Year Warranty.



Description	Part No.
Digital Rev Limiter	600

### Application Notes:

- For 4, 6 and 8 cylinder even fire engines with single coil inductive ignition system
- 12 Volt negative ground
- Not for use with (CD) Capacitive Discharge systems