

PERTRONIX AUSTRALIA

PERFORMANCE PRODUCTS

NOV 2009

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PRO
QUIP VALUE ADDED PRODUCTS

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**PERTRONIX
PERFORMANCE
IGNITORS,
DISTRIBUTORS & COILS**

WHAT'S NEW in 2009!!!



Ignitor[®] III

IGNITOR III Ignition modules featuring multiple spark output and integrated rev limiter



Flame-Thrower[®] III

Flame-Thrower III 45,000 volt coils are the perfect match for Ignitor III systems



Flame-Thrower[®] HC

HC (HIGH CURRENT) e-core coils charge extremely fast and produce 60,000 volts for HIGH RPM applications



Flame-Thrower[®] Distributors

New billet distributors for AMC, Buick, Oldsmobile, Pontiac, Chevy 409 & 4.3L, and GM L6 Engines. Also check out our new line up of Ignitor III equipped billet distributors.

If you have a point set in your distributor, then chances are *we have a conversion for you!*

OVER 1000 APPLICATIONS AVAILABLE !



IGNITOR® Electronic Ignition

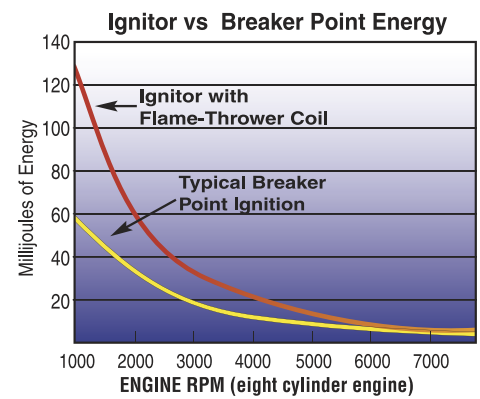
For over thirty years, the Ignitor® has proven itself in applications ranging from race cars to tractors. The Ignitor® replaces breaker point and troublesome factory electronic ignitions with a dependable, self-contained and maintenance-free electronic ignition system. The Ignitor® has been called the "stealth" ignition because of its quick installation and nearly undetectable presence under your distributor cap.



FEATURES

- Ideal for LPG Powered Vehicles
- Delivers twice the voltage to the spark plugs, increasing horsepower, fuel economy, and spark plug life
- 2:1 improvement over "points" in current fall time for increased coil output
- Rotating cobalt magnets trigger a Hall Effect integrated circuit... no points to burn, ...no moving parts to wear out
- Epoxy molding makes our module impervious to dirt, oil, grease and moisture
- Fits entirely inside the distributor. No "black box" to clutter the engine compartment
- Stable timing ...no need for any adjustments
- Will trigger most multi-spark CD ignitions
- Use with Flame-Thrower® 40,000 volt coil for optimal performance
- Available for 6 and 12-volt negative and positive ground systems
- Meets C.A.R.B. Regulations
- Guaranteed for 30 months... We Stand Behind It!

Temperature Range: -45° to 149° C
RPM Range: 0 to 15,000 RPM



ALMOST 1000 APPLICATIONS !

Ignitor® II Electronic Ignition

The Ignitor® II has many of the same great features that the Ignitor® has, but its smarter. Ignitor® II units sense the coil current level and use a powerful micro controller to adjust the dwell. Variable dwell helps to maintain peak energy throughout the entire RPM range.

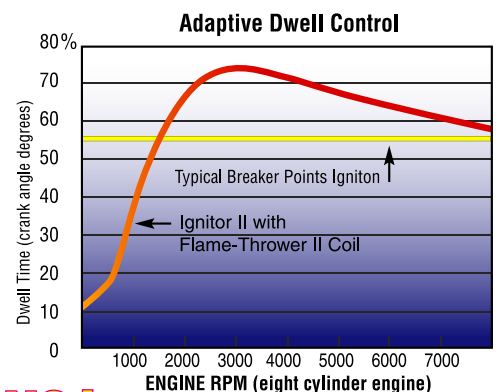
Ignitor® II systems develop up to 4 times more energy between 3000 and 5000 RPM than standard ignition systems. High RPM performance is improved when used with the Flame-Thrower® II super low resistance (0.6 ohms) 45,000 volt coil.



FEATURES

- Adaptive dwell maintains peak energy throughout the entire RPM range, reducing misfires while improving engine performance
- Develops on average 4 times more available energy between 3000 and 5000 RPM, and 2 times more available plug voltage
- Peak current level is reached just prior to spark for maximum energy without the heat build-up, increasing coil and module life
- Adjusts spark timing at higher RPMs to compensate for the inherent electronic delay
- Senses startup and develops more energy for quicker, easier starting
- Built in reverse polarity and over current protection shuts down the system, preventing component damage
- Meets C.A.R.B. Regulations
- Guaranteed for 30 months... We Stand Behind It!

Temperature Range: -45° to 149° C
RPM Range: 0 to 15,000 RPM



OVER 300 APPLICATIONS !



**INTEGRATED DIGITAL REV LIMITER
INSIDE EACH UNIT!**

Ignitor[®] III

Electronic Ignition

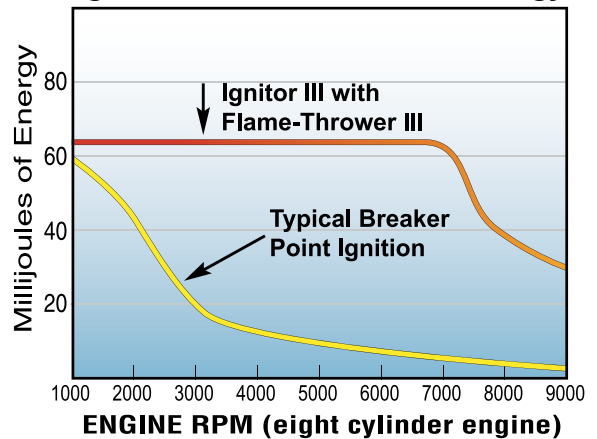


Our all new Ignitor[®] III ignition modules are designed for the serious performance enthusiast who demands serious power. You have seen the performance increases the Ignitor[®] and Ignitor[®] II series of electronic ignitions have brought. Now get ready for more... 5 times more spark energy than points systems. Ignitor[®] III modules provide ignition box performance... without the "box"! For the maximum Ignitor[®] III benefit, select one of our Flame-Thrower[®] III or HC ignition coils as well.

FEATURES

- Multiple sparks thru the entire RPM range.
- Integrated digital REV limiter with LED feedback for precise RPM setting.
- Memory safe function stores settings eliminating unintended changes to Rev limit.
- Adaptive dwell maintains peak energy throughout the entire RPM range, reducing misfires while improving engine performance.
- Peak current level is reached just prior to spark for maximum energy without the heat build-up, increasing coil performance and module reliability.
- Adjusts spark timing at higher RPMs to compensate for the inherent electronic delay.
- Senses startup and increases energy for quicker, easier starting
- Thermal clad surface mount construction for superior reliability
- Built-in reverse polarity and over current protection shuts down the system, preventing component damage.
- Not compatible with CD or Multi-Spark boxes.
- Meets C.A.R.B. Regulations.
- Guaranteed for 30 Months... We Stand Behind It!

Ignitor III vs. Breaker Point Energy



APPLICATION NOTES

The Ignitor III is a high performance ignition system with special application and operational requirements. It is imperative that applications equipped with resistance wires or ballast resistors be modified according to the installation manual. In all applications in order to achieve the advertised performance gains and system reliability, the integrity of the electrical system should be checked.

- For use on 8 cylinder engines
- Lobe sensor design triggers off the point cam or reluctor and does not require a magnet sleeve
- Must use suppression core ignition wires
- Not for use with CD or multiple spark systems
- Not intended for marine use.
- 12 volt negative ground systems
- Requires 12-14 Volts

FOR DELCO DISTRIBUTORS

This kit takes just a few minutes to install and is hidden entirely under the distributor cap. Developed for 1957-74 Delco point type distributors with mechanical advance weights on top.



FOR MOTORCRAFT DISTRIBUTORS

Our kit retrofits Motorcraft single point vacuum advance distributors. We have completely redesigned the advance plate assembly utilising a custom nylon glide hub which provides smooth trouble-free operation.



FOR CHRYSLER DISTRIBUTORS

This kit fits Chrysler aluminum bodied single point distributors with vacuum advance. The kit features a completely redesigned advance plate assembly utilising a custom nylon glide hub which provides smooth trouble free operation.



FOR DUAL POINT MOTORCRAFT DISTRIBUTORS

Dual point and dual point vacuum advance Motorcraft distributors which were used in high performance Ford, Mercury and Pantera applications will certainly benefit from this Ignitor III conversion. This kit simply installs in place of the points and offers performance levels well beyond the reach of points systems.



FOR HOLLEY GOLD BOX DISTRIBUTORS

Holley gold box distributors have never before been known for their performance or reliability ...until now. We've developed this Ignitor III system to replace the factory electronics. The kit fits entirely within the distributor and triggers off the reluctor.



FOR MALLORY POINT TYPE DISTRIBUTORS

Tired of replacing points in your Mallory single or dual point non-vacuum distributor? Want more power? Our new kit will install in just minutes and has all the features you would expect from a high performance ignition but fits entirely in the distributor.





THEY'RE HOT...

Flame-Thrower®

40,000 Volt Coils

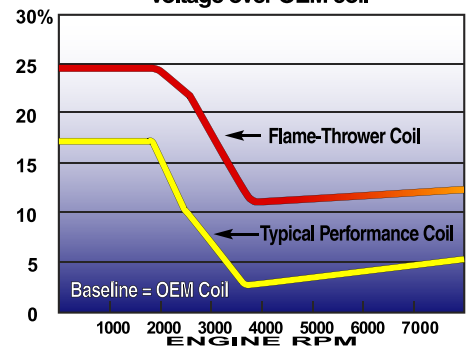
While it's the perfect coil to go with the PerTronix Ignitor® breakerless ignition, our 40,000 volt Flame-Thrower® canister coil can benefit virtually any distributor type inductive system. Its higher voltage allows larger spark plug gaps for added power, smoother response and better fuel economy. These coils are internally resisted so they are compatible with many ignition systems. Our oil filled coils offer great heat control for street driven vehicles, while our epoxy filled coils provide superior winding support for high vibration environments in off-road vehicles and boats.

FEATURES

- 40,000 volts
- Available chrome plated or black for that "stock look"
- For use with inductive ignition systems
- 1.5 or 3.0 Ohm primary resistance values available
- Warranty: 90 Days



Percent of extra available voltage over OEM coil



Eight cylinder engine with PerTronix Ignitor installed.

Flame-Thrower® II

45,000 Volt Coils

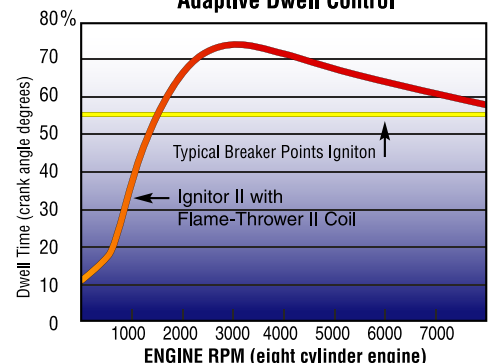
Flame-Thrower® II coils feature a super low resistance which make them the ideal coil for Ignitor® II ignition systems as well as many other high energy ignitions. Low resistance and improved turns ratio help to produce up to 45,000 volts. This higher voltage enables you to run larger spark plug gaps for added power and better fuel economy. These coils are also compatible with most capacitive discharge boxes including our own Second Strike®.

FEATURES

- 45,000 volts
- Available chrome plated or black for that "stock look"
- For use with inductive or CD ignition systems
- Super low 0.6 Ohm primary resistance
- Warranty: 90 Days



Adaptive Dwell Control





Flame-Thrower III

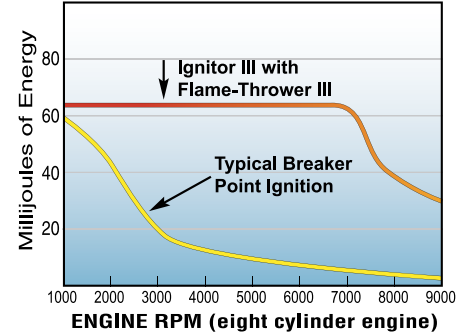
45,000 Volt Coils

Flame-Thrower III coils feature an ultra low resistance and are designed specifically for the new Ignitor III ignition system. Flame Thrower III coils have a high turns ratio and ultra low primary resistance enabling the ignition system to charge faster at high RPM's.

FEATURES

- 45,000 volts
- Ultra Low 0.32 primary resistance
- Compatible with Ignitor II and III systems as well as most capacitive discharge systems
- Charges to peak current typically 30-70% faster than other coils
- Rapid charge time means maximum spark energy is sustained to higher engine RPM
- Limited 90 Day Warranty.

Ignitor III vs. Breaker Point Energy



Flame-Thrower HC

60,000 Volt Coil

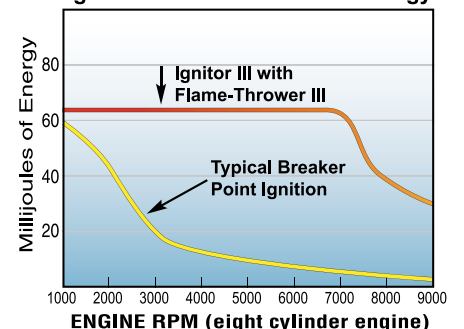
New HC (HIGH CURRENT) E-core coils were engineered specifically for our Ignitor® III ignition modules. HC coils have a high turns ratio and ultra low primary resistance enabling the ignition system to charge faster at high RPM's. The coil is supported in a special heat sink made from aircraft 6063 T5 aluminum which efficiently transfers heat away from the windings.



FEATURES

- 60,000 volts
- Highly efficient E-core design
- Vacuum potted coil body for longer life and increased reliability
- 6063 T5 aluminium heat sink with black anodized corrosion resistant finish
- Precision machined male high tension terminal and brass primary terminals
- Warranty: 90 Days

Ignitor III vs. Breaker Point Energy





Flame-Thrower®

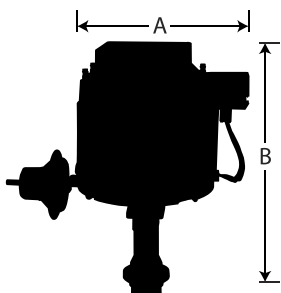
Street / Strip HEI Distributors

Flame-Thrower® HEI distributors are built from the ground up with all new components. We have engineered a special module and coil combination that operates without misfires beyond 7500 RPM. That's nearly 3000 RPM higher than most original HEI distributors.

Flame-Thrower® HEI distributors produce 67% more energy with a 45% faster spark breakdown time when compared to the stock HEI. This means twice the energy to the spark plugs. Our tests show that with these improvements wider plug gaps can be used resulting in an increasing flame kernel growth for more efficient combustion.

FEATURES

- New lightweight A384 cast aluminium alloy housing
- Aligned & honed high quality bronze sintered bushings for reduced friction & extended life
- Centerless ground corrosion resistant shaft reduces friction & provides concentric operation
- Distributor gear is ground to exact tolerances for tighter mesh with cam
- High dielectric strength cap with solid brass terminals and low resistance center coil brush
- Balanced rotor with nylon screws prevent arching and reduce vibration at high RPMs
- Adjustable vacuum advance canister and high performance advance curve
- Precision machined chromoly advance weights and center plate eliminate erratic timing
- Meets stringent automobile susceptibility, vibration and shock requirements
- Available for Chevy & Ford SB
- Black, Red & Blue Cap SB & BB
- Limited One Year Warranty



Application

Dimensions

Chevrolet
Ford

| | A | B |
|-----------|-----------|----------|
| Chevrolet | 15.989 cm | 19.05 cm |
| Ford | 15.989 cm | 24.13 cm |



For non-computer controlled vehicles



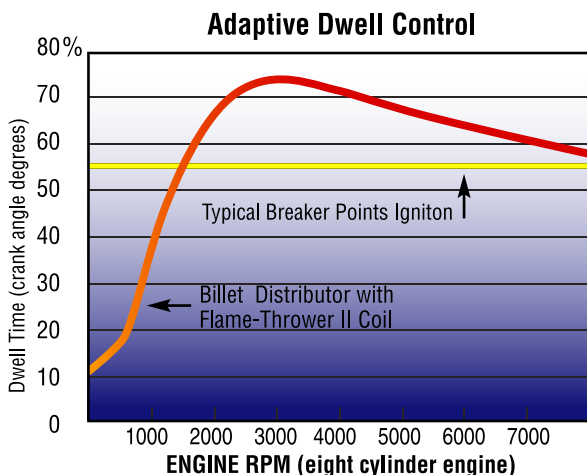
Flame-Thrower®

"Plug 'n Play" Billet Distributors Chevy & Ford, VW Type 1

Plug 'n play billet distributors are designed for maximum ignition performance and easy installation, all at a price that you can afford. Replace your outdated points or electronic distributor with this performance proven distributor which features the patented Ignitor® II electronics and a CNC machined 6061 T-6 polished billet housing.

FEATURES

- Integrated patented Ignitor® II technology with adaptive dwell control
- Cobalt magnets and Hall Effect trigger for stable timing and precise spark distribution
- A powerful micro controller with adaptive dwell algorithms constantly adjusts the dwell angle to maintain peak energy throughout the entire RPM range for increased high and low RPM performance
- Ignitor® II compensates for inherent electronic delay by adjusting the spark timing throughout the entire RPM range
- Synchronised peak current and spark timing reduces heat build-up
- Precision CNC machined billet housings are polished to a high luster
- Tempered distributor shafts have low torsion displacement for accurate timing and longer life
- Upper ball bearing and extra long oil impregnated bronze lower bushing work together to reduce friction and high RPM vibration
- Precision stamped advance weights eliminate erratic timing
- Adjustable mechanical advance with proprietary limiting functions permits multiple settings. Distributors are factory set with a performance advance curve and are provided with additional springs for custom advance curves
- High dielectric strength cap with male or female brass terminals and premium rotor with brass contact
- Compatible with most Capacitive Discharge Systems
- Warranty: 30 months electronics / Limited 1 year mechanical



For non-computer controlled vehicles.

Flame-Thrower®

Performance Distributors for 4 & 6 Cylinder British Engines

These distributors are built using all new castings modeled after the 45D series distributor. Each distributor is then precision machined for an exact fit. Replace your faulty factory Lucas electronic or worn out 23D, 25D and 45D point distributor with a distributor that will deliver the performance you demand.

FEATURES

- Tailored advance curve for optimal performance and driveability
- 2:1 improvement over "points" in current fall time for increased coil output
- Rotating cobalt magnets trigger a Hall Effect integrated circuit. ...no points to burn, ...no moving parts to wear out
- Epoxy molding makes our module impervious to dirt, oil, grease and moisture
- Stable timing ...no need for any adjustments
- Use with Flame-Thrower® 40,000 volt coil for optimal performance
- Available for 12-volt negative and positive ground systems
- Delivers twice the voltage to the spark plugs, increasing horsepower, fuel economy, and spark plug life
- Warranty: 30 months electronics / Limited 1 year mechanical.



Flame-Thrower®

HP Distributors for 4 & 6 Cylinder British Engines

HP stands for High Performance, and that's what you get with our all new HP distributor for British engines. These distributors feature patented Ignitor®II technology and a high dielectric strength cap with solid brass terminals.

FEATURES

- Tailored advance curve for optimal performance and driveability
- Variable dwell maintains peak energy throughout the entire RPM range, reducing misfires while improving engine performance
- Develops on average 4 times more available energy between 3000 and 5000 RPM, and 2 times more available plug voltage
- Peak current level is reached just prior to spark for maximum energy without the heat build-up, increasing coil and module life
- Adjusts spark timing at higher RPMs to compensate for the inherent electronic delay
- Senses startup and develops more energy for quicker, easier starting
- Built in reverse polarity and over current protection shuts down the system, preventing component damage
- Warranty: 30 months electronics / Limited 1 year mechanical.



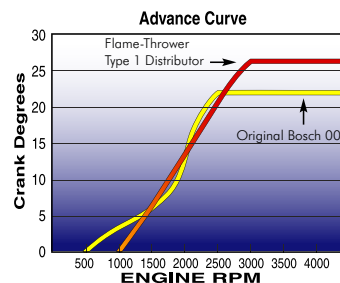
Flame-Thrower®

Performance Distributors for Type 1 Engines

Now you can get a quality distributor that delivers excellent performance and doesn't break the bank. We've taken all the things that you like about the Bosch 009 distributor, and the performance capabilities of the 010 and 050 distributor and designed them into our all new Flame-Thrower® distributor. To top things off, this distributor features integrated Ignitor® electronics.

FEATURES

- Custom mechanical advance curve for optimal performance and driveability
- Delivers twice the voltage to the spark plugs, increasing horsepower, fuel economy, and spark plug life
- 2:1 improvement over "points" in current fall time for increased coil output
- Rotating cobalt magnets trigger a Hall Effect integrated circuit. ...no points to burn, ...no moving parts to wear out
- Epoxy molding makes our module impervious to dirt, oil, grease and moisture
- Stable timing ...no need for any adjustments
- Use with Flame-Thrower® Performance coil
- Available for 12-volt or 6-volt negative ground systems
- Warranty: 30 months electronics / Limited 1 year mechanical.





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 drop off 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 a 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 (2° to 18°) gives you the flexibility to find the CAO that works best for your engine's performance and your driving type.

An integrated digital rev limiter protects the engine from over rev conditions. A combined random and sequential spark stealing method provide superior control of rev limits and a rapid response time to over rev limit events.

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



FEATURES

- Only system to provide a second spark throughout the RPM range
- Powerful CD second spark resulting in more complete combustion
- Increased burn time makes more 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
- Limited One Year Warranty.

SPECS.

| | |
|--------------------------|-------------------------------------|
| Spark Energy Capability: | 250MJ |
| Primary Voltage: | Adaptive 200-800 Volts |
| Spark Timing: | Adjustable 2°-18° of crank rotation |
| Voltage Required: | 9 - 18 Volts |
| Current Draw: | 0.8 amps / 1000 RPM |
| Size in cm's: | 15.24L x 10.16W x 7.62H |
| Weight: | 1.0 kg |

Digital REV Limiter

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. Combined random and sequential spark stealing method provide superior control of rev limits and a rapid response time to over rev limit events, preventing engine failure. Once the established RPM limit is reached, random spark stealing starts within one spark, reducing plug fouling common with repetitive stealing type limiters. 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
- Combined random and sequential spark stealing method
- Tachometer output with TTL interface and near 50% duty cycle make our limiters compatible with most modern tachometers
- Reverse voltage protection
- Easy four wire hookup
- Compact size in cm's: 7.62L x 6.35W x 3.56H
- Light weight: 0.34 kg
- Limited One Year Warranty.

Not for use with CD Ignition Systems.



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