

# 123ignition.nl

ignition systems for classic cars

16 user selectable  
electronic advance  
curves

Smooth engine  
torque curve

Attractive  
"original"  
look

Less  
emissions

Better starting

Maintenance-free

Simple installation

Variable dwell-angle

Lower fuel consumption

Stronger spark at all speeds

Easy timing: with built-in LED

Spark balancing: less noise & more power

## INTRODUCING THE "123IGNITION"

The ignition-system in a classic car is often the source of many problems. After years of use, the mechanical distributor becomes worn and increasingly inaccurate. Although replacement of the standard points with an optical eye or magnetic ignition set-up is an improvement, it does not compensate for the wear in the advance-mechanism, the distributor shaft and bearings within the distributor itself.

The 123ignition distributor is different. It comes in its own aluminium billet and nickel plated housing, although externally similar in its classic appearance to its mechanical counterpart, it contains high-tech electronics on the inside. While maintaining classic appearances under the bonnet, the internal technology makes your ignition system and engine perform better than ever before, and run as smoothly and reliably as a Japanese sewing-machine!

## MAINTENANCE FREE TIMING

In a 123ignition, all moving parts – like the original points, the centrifugal weights, the springs, the bearings and the vacuum-diaphragm – have been replaced with just **one moving part**: the central shaft with the rotor.

The internal electronics provide the right advance and the optimum dwell-angle throughout the rev. range to maintain peak energy and peak performance.

There is no wear altering the timing of the 123ignition: once set, you'll never have to worry about it again!

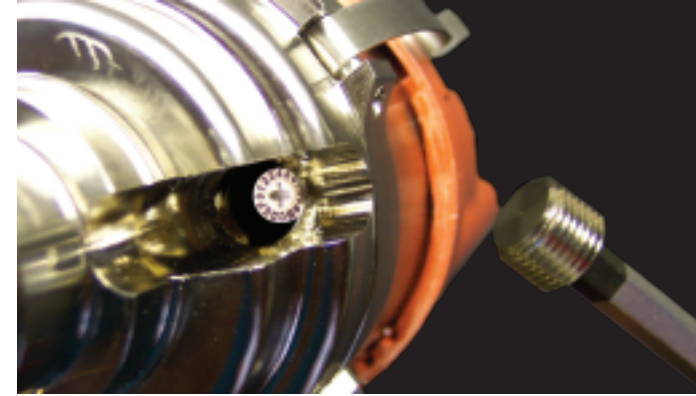
## SIXTEEN ADVANCE CURVES

With a little switch – see picture – behind an opening in the bottom-face of the billet-housing, you can select the best advance-curve for your engine. Why? Well simply because many different advance-curves were prescribed by car-manufacturers.

You buy **one** 123ignition, but you get **sixteen** different distributors!

## SPARK BALANCING

Spark Balancing is an advanced technology normally



CITROËN



**You can clearly see the ignition curve switch. This lets you choose the best advance curve for your engine from 16 curves. Once set, the switch is protected with the hex screw, visible to the right.**

PEUGEOT



used in Formula 1, where engine speeds are tremendously high. This technique is built into the 123ignition. Its microprocessor constantly monitors the amount of energy contributed by each individual cylinder. Assume for example that the compression of one cylinder differs from the others. The motion of the fly-wheel would be less smooth, and so is the motion of the camshaft. The 123ignition detects this, and adjusts the timing of each cylinder individually. This results in a much quieter engine, more power and less wear.

## AUTOMATIC DWELL CONTROL

A mechanical distributor has a fixed dwell-angle, sometimes resulting in overheated coils at low speeds, weaker sparks and misfiring at high speeds. Why? An ignition coil only needs a couple of milliseconds to charge, but with a fixed dwell-angle these are "overcharged" many times when idling, resulting in... overheated coils! At high speeds the fixed dwell angle tends to leave too little time to fully charge the coil, resulting in... weaker sparks and misfiring!

The 123ignition measures the amount of current flowing into the coil, in such a way that the strongest possible spark is guaranteed at all engine-speeds, whilst keeping the coil cool.

Also to prevent coil overheating, the power to the coil is cut-off as soon as the engine stops.

VOLVO





**123ignition distributors are available for many engines.**

- 1. Buy a 123ignition now!**
- 2. Enjoy today's standards of reliability and performance.**
- 3. Join the rapidly growing group of trouble-free classic car owners.**

**Once you've noticed all the advantages, you'll ask yourself: "Why didn't I do this any sooner?"**

**Your distributor:**

made in the EC by:  
 Albertronic BV  
 Waddinxveen  
 The Netherlands



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## 123ignition distributors are currently available for many engines \*)

<b>ASTON MARTIN</b>	See GB
<b>AUSTIN</b>	See GB
<b>AUSTIN-HEALEY</b>	See GB
<b>AUSTIN-MORRIS</b>	See GB
<b>CITROEN</b>	
2CV, Dyane, Ami & derivatives = A-types	
A79/I, M28 & M28/I engines	123\2CV
A-types all engines, incl 6 Volt	123\UNI
as above, but with vacuum-advance and tuning options	123\EVO
Traction Avant 4cyl.	
ID/DS carb. and H-van	123\DS-A
as above, but with straight cap and vacuum-advance	123\DS-R-V
DS21-ie & DS23-ie	123\DS-R-IE
6 cyl. Traction Avant	123\SIX-R-V
all Citroen SM's	123\SM-R-V-IE
<b>GB (cars with Lucas distributors)</b>	
replaces 4 cyl. Lucas-distributors, includes tuning options	123\GB-4-R-V
replaces 6 cyl. Lucas-distributors, includes tuning options	123\GB-6-R-V
<b>JAGUAR</b>	See GB
<b>LAND-ROVER</b>	See GB
<b>MASERATI</b>	
Merak, Merak SS & Quattroporte	123\SM-R-V-IE
<b>MERCEDES</b>	
W110, W115, W123 engines, including LPG & E85-curves	123\MERC-4-R-V
as above, including injector outputs Bosch Jetronic	123\MERC-4-R-V-IE
W108, W109, W110, W111, W112, W113, W114 & W123-engines	123\MERC-6-R-V
as above, including injector outputs Bosch Jetronic	123\MERC-6-R-V-IE



**MGA, MGB & MGC**  
 all MGA & MGB engines 123\MG-4-R-V  
 MGC 123\GB-6-R-V



**MINI**  
 all MINI-engines ( pre-A-plus ) includes tuning options 123\MINI-R-V  
 all A-plus MINI-engines 123\MINI-R-V-A+



**MORRIS** See GB



**PEUGEOT**  
 203, 204, 304, 403, 404, 504, 505, J5, J7, J9 123\PEUGEOT-R-V



**PORSCHE**  
 356, 912 & tuned engines 123\VW-R  
 as above, including vacuum-sensor 123\VW-R-V



**ROVER** See GB

**TRIUMPH**  
 Herald, Midget, Spitfire 123\GB-4-R-V  
 others models See GB



**VOLVO & VOLVO PENTA**  
 all B18, B20 car/truck/boat engines including LPG- & E85-curves 123\B18-B20-R-V  
 as above, including injector outputs Bosch Jetronic 123\B18-B20-R-V-IE  
 all B30 car/truck/boat engines including LPG & E85-curves 123\B30-R-V-IE

**VW**  
 aircooled types 1,2&3, 181 & tuned engines 123\VW-R  
 as above, including vacuum-sensor 123\VW-R-V

\*) Please visit our website at <http://www.123ignition.nl> for an up-to-date list of products and distributors.

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