

Sparkrite

SX4000

What is the Sparkrite SX4000?

The Sparkrite SX4000 is an Electronic Ignition system that can be fitted to any 12 Volt negative earth points ignition system. Simple to install, it will give the benefits of increased spark voltage and power that come from electronic ignition, without removing the original points and condenser. In addition, this system can be switched back to running on points at the flick of a switch, so you have the reassurance of points back up if any problems should occur.

How Does the Sparkrite SX4000 work?

In a traditional points system, the points have to carry the full voltage of the ignition system. The points gap is critical as it determines the dwell time for the coil. This is the time that the coil is connected to ground allowing it to energise between each spark firing. Every time the points open and close a spark can be observed, this causes burning and pitting on the contact surfaces leading reduced performance and eventually to failure. Regular checking of the gap and replacement of the contact points was an essential maintenance chore.

The Sparkrite SX4000 keeps the high tension electrical current away from the points using them only as a low voltage switch. As they only have to deal with a tiny current they will not burn or pit and will last almost indefinitely. The dwell time is electronically controlled so the points gap is no longer critical – it only needs to be roughly correct, as dwell is electronically controlled. It will only need very occasional adjustment to take up any wear of the heel.

To Connect:

A suitable position should be located as far away from any heat source as possible

1. The Red wire should be connected to 12 Volts. The positive side of the coil can be used. Or any 12 Volt supply controlled by ignition switch.
2. The White wire should be connected to a good earth
3. Remove the wire from the negative side of coil that goes to the distributor and connect this to the Green wire.
4. The Black wire should be connected to the negative side of coil.
5. The Unit has 1 LED
It will dimly glow when the ignition power is switched on
Bright flashing at idle speed, constant on at higher engine speed. Electronic ignition on and working
6. Switch
1 = Electronic Ignition
0 = Bypass mode – ignition controlled by the points.

UNDER NO CIRCUMSTANCES SHOULD THE IGNITION BE SWITCHED WHILE THE ENGINE IS RUNNING. Switching from points to electronic should be done with ignition off.