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Rooster Booster Junior Product Installation Instructions

For BSA Bantam Wipac Series 55 Mk8 Flywheel Magneto (D1-D7)

The Rooster Booster Junior electronic ignition module is very easy to install and only has 2 wires to connect. Although the RBJ is not actually a 'points assisted' module we recommend wiring the unit through the original contact breakers on machines with multiple magnets in the flywheel and the instructions below detail this configuration. Because the points are only being used to earth the module once per revolution so that it only senses one magnet, the contact breakers will never erode, pit or burn and should not require future replacement and will require virtually zero maintenance.

Before commencing with the installation your engine should be in full running order and the ignition timing should be correctly set.

Step 1: Remove the condenser and disconnect the coil wire from the contact breaker terminal. This can be left in place and all the connecting wires removed from their terminals. Remember to insulate any wires left unconnected. This will allow reconnection in the future if required.

Step 2: Connect a wire from the Coil Connection terminal on the module to the ignition coil wire.

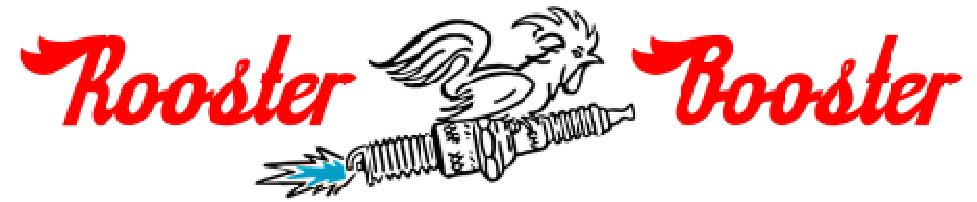
Front View



Step 3: Connect a wire from the Engine Earth terminal on the module to the now vacant contact breaker terminal.

Step 4: Mount the module making sure that the mounting tab is NOT earthed to either the frame or the engine. A nylon spacer and plastic number plate nut and bolt make this task easier.

And that's it... Gentlemen, Start Your Engines!

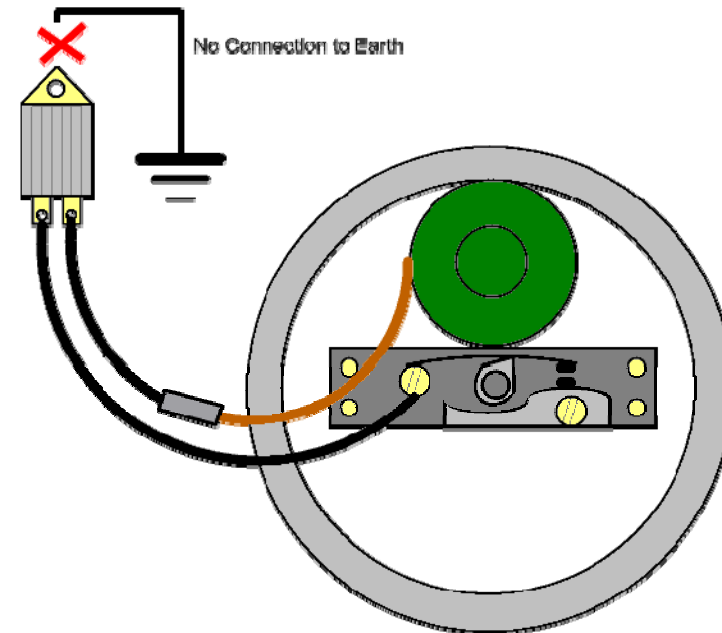


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Mounting Notes

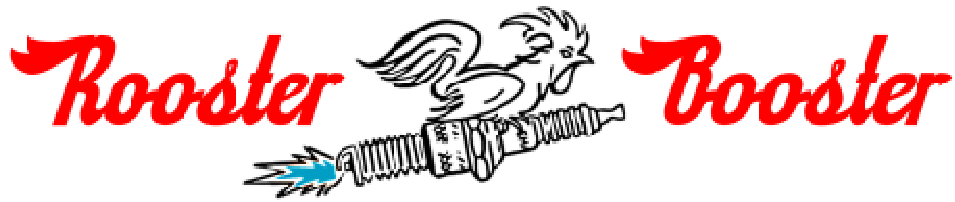
Although the Rooster Booster Junior can be mounted inside the original points cover, it is possible it could overheat. We recommend for optimum performance that the unit is mounted either under the saddle, inside a side panel or somewhere else on the frame, where more airflow is available. Remember the module body should not touch any other metalwork.

Installation Schematic



Rooster Ignitions is a UK based company.

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Email: support@roosterignitions.com



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Product Description

The Rooster Booster Junior is a full electronic ignition which can be used as a stand-alone unit or earthed through a set of points (contact breakers) if the generator has multiple magnets on the flywheel.

The module operates by sensing the magnet position in the flywheel via reverse impulses measured in the ignition coil and then firing the spark at the correct moment.

The original contact breakers maybe retained with the module earthed through the points so that only one magnet is sensed per revolution. In this configuration, the points are used purely as a low current switch and contact breaker erosion is eliminated, Contact breaker life should therefore be almost infinite.

This module can be used on most single cylinder petrol engines fitted with a flywheel magneto incorporating an internal ignition coil.

If the flywheel only has a single magnet then the contact breakers can also be removed.

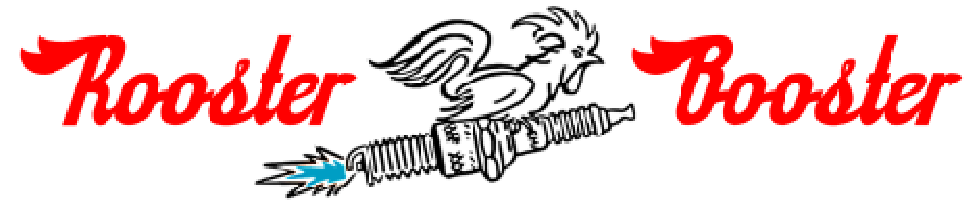
The system is suitable for motorcycles, outboard marine engines, chainsaws and horticultural machinery.

Other benefits include:-

- + Eliminates the condenser.
- + Can dramatically improve strength and reliability of spark.
- + Can improve hot and cold starting.
- + Smoother running engine and can improve combustion.
- + Eliminates contact breaker erosion (pitting, burning).
- + Greatly reduces ignition system maintenance.
- + Possible fuel economy improvement and lower emissions.

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Warranty Document

Rooster Ignitions electronic ignition modules are covered by our warranty for a period of one year and one month from the moment of dispatch from our premises. The warranty covers all parts and labour but does not cover postage charges to or from our repair centres. We require all modules returned to us to be supplied with a self addressed jiffy type bag with £1.00 postage for UK dispatch or £3.00 postage international dispatch.

Any modules returned without return packaging or postage will be invoiced at £5.00 before leaving our premises.

We offer chargeable servicing for all modules or faults not covered by our warranty. Quotes on inspection.

Faults not covered by our warranty

Failure caused by incorrect connection to the vehicle or by a failure elsewhere in the vehicle electrical system which causes harm to the ignition module.

Failure caused by water \ moisture damage.

Please ensure that your application has suitable voltage regulation and fully working rectifier (not RBJ) before installing the module.

Postage costs will be the responsibility of the user

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