

Micro DYNAMICS

DIGITAL SERIES

Digital Rev Limiter DRL 1

INSTRUCTION LEAFLET

Thank you for choosing a quality MicroDynamics product.

The MicroDynamics Digital Rev Limiter provides protection against over revving which can easily lead to serious engine damage. It is precisely controlled using microprocessor technology which also provides high reliability and ease of use.

The system works on all negative earth contact breaker ignition systems, opto breaker systems and most transistorised and ECU controlled ignition systems. It can be adjusted to any engine speed from 1,000 sparks-per-minute to 40,000 sparks-per-minute (e.g. 500RPM to 20,000RPM 4 Cylinders).

Note 1: Before commencing any installation, it is recommended that the vehicle's battery is disconnected first.

Note 2: Ballast Resistors. If the ignition system to which the Rev Limiter is to be connected incorporates a ballast resistor connected to the positive (+) terminal of the coil, then attach the RED wire of the Rev Limiter to the ignition switch side of this resistor and not the coil side.

Installation Procedure

Mount the Rev Limiter to a part of the vehicle's bodywork close to the ignition coil but away from any high temperature areas e.g: exhaust or coolant system. Secure using either the two #6 screws supplied (a 3mm hole will need to be drilled for each) or the double sided adhesive pads. Connect the BLACK wire to a good earth using the #10 screw first drilling a 4mm diameter hole. Locate the two wires which are connected to the ignition coil. With the ignition switched off and using blue T-splice connectors (supplied), connect the RED wire onto the positive (+) coil wire and the GREEN wire to the negative (-) coil wire.

Setting Up

First start the engine and decide what engine speed you wish to set the maximum limit to. Press in the push-button switch and hold until the LED stops flashing and remains lit. With the button still pressed in, use the throttle to set the engine speed to half your required maximum engine speed. As soon as the engine speed is stable at half your maximum speed, release the button. The Rev Limiter will then measure the engine speed immediately the button is released, double it and store it in it's memory. This setting will not be lost even if the battery is removed from the vehicle for long periods. The setting can be re-adjusted again to any engine speed at any time by repeating this procedure. The current speed setting can be determined without the need to rev the engine to the maximum, as the LED will illuminate every time the engine speed passes the half-maximum speed point.

Distributed throughout the world by:

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