

REV LIMITER

FULL THROTTLE GEAR CHANGE
SINGLE COIL

15RL04

info@omextechnology.co.uk

www.armtech.co.uk

THE ARMTECH REV LIMITER

The Armtech Rev Limiter provides protection against over revving which can easily lead to serious engine damage. The Armtech Rev Limiter 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. 500 RPM to 20,000 RPM 4 Cylinders).

INSTALLATION PROCEDURE

Mount the Rev Limiter on to a part of the vehicle's bodywork close to the ignition coil but away from any high temperature areas. Secure the unit using the screws and washers supplied.

With the **ignition switched off** connect the wires as follows:

GREEN	To a good earth point near the coil
RED	To coil positive (or, if this is not available, to any positive feed that is switched by the ignition).
BLACK	To the coil negative (-)

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 to the coil side of the resistor.

SETTING UP

Start the engine. Press in the push-button switch labeled 'Set Rev Limiter' and hold. When the red LED stops flashing and remains lit, Hold the engine to half your required maximum speed, then release the button. The Speed Shift will immediately double and store this speed it in its memory.

The limit can be adjusted at any time by repeating this procedure and is not lost even if the battery is disconnected for long periods of time.

The LED on the Rev Limiter will illuminate every time the engine reaches the half maximum speed point.

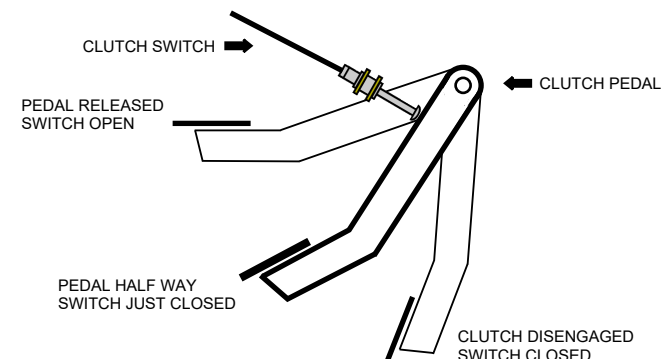
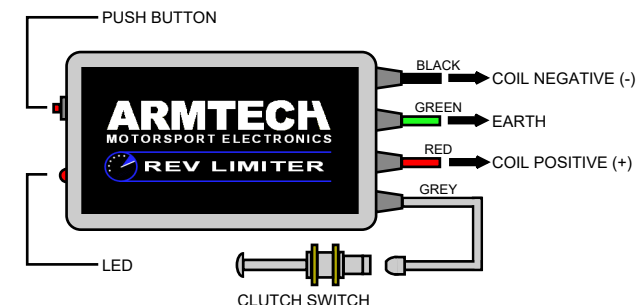
FULL THROTTLE GEAR SHIFT

Setting the rev limit also sets a 'Gear Shift Speed' at exactly half the rev limit set. Below the Gear Shift Speed the Full Throttle Gear Shift facility will not operate. This enables the driver to pull away from a standing start.

Above the Gear Shift Speed the Rev Limiter will assume that pressing the clutch pedal indicates a change of gear and it will introduce a secondary rev limit at precisely the speed at which the engine was running when the clutch pedal was pressed, enabling the driver to change gear without lifting off the throttle.

This secondary limit is temporary for the duration of the gear change and will re-set itself with every gear change.

WIRING DIAGRAMS



CUSTOMER CARE

As part of our commitment to providing the best possible products and after-sales service, we operate a telephone Help line and Warranty Care service. For any queries, just call during office hours or email and we will endeavour to resolve the problem.

WARRANTY

ARMTECH warrants that if the whole or any part of the REV LIMITER is defective as to materials or workmanship, provided that such defect is notified to ARMTECH as soon as the customer becomes aware and in any event within one year of purchase from ARMTECH or one of its distributors, ARMTECH will make good the said defect without charge by repair or, at the discretion of ARMTECH, by replacement. The warranty does not extend to defects caused wholly or partly by improper use, failure to follow installation or operation instructions, wilful default, act of God, or accident. ARMTECH will not be held liable for any injury, damage, direct or consequential loss, however caused relating to the ARMTECH REV LIMITER.

The Armtech product range is European Type Approved and therefore legal for vehicle road use.

Attention. Within the EU, used electrical and electronic equipment should not be mixed with general household waste; it must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling. Private households may return their used electrical and electronic equipment to designated collection facilities free of charge. If the product is used for business purposes and you want to discard it, small quantities may be taken back by your local collection facilities. Please contact your local authority for further details. Outside of the EU, please contact your local authority for advice.

