

**SHIFT LIGHT**  
MICROPROCESSOR CONTROLLED

**20SL01**

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**THE ARMTECH SHIFT LIGHT**

The Armtech Shift Light provides the driver with a visual indication of when to change gear to extract the best performance from their engine without the distraction of watching the tachometer. This device is microprocessor controlled for accuracy and reliability and contains an integral ultra-bright shift LED as well as providing an output to drive the ultra-bright shift indicator supplied or any other preferred visual or audible device.

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 Shift Light unit onto a part of the vehicle's bodywork within the driving compartment. If the external shift indicator is not to be used then position the unit such that the integral LED is clearly visible by the driver. Secure 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 (-)
- WHITE AND RED** To the WHITE and RED wires of the indicator

If the external shift indicator is to be used then drill an 8mm hole through the instrument panel where the ultra-bright shift indicator is to be mounted. This should be in a position, which is directly in, front of the driver and clearly visible. Thread the wires of the shift indicator through the hole from the front of the panel then secure with the back-nut.

**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.

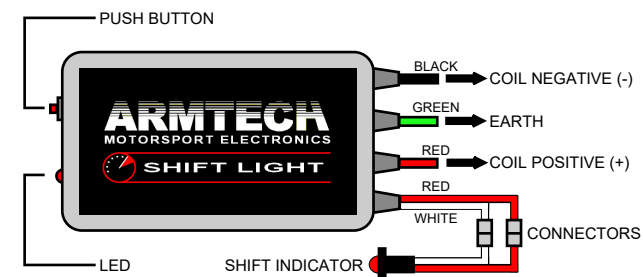
**SETTING UP**

To set the shift light, start the engine. Press in the push-button labeled 'Set Shift Up' and hold. Hold the engine to half your required shift point speed, then release the button. The Shift Light will immediately double and store this speed in its memory.

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

Both the integral LED and the shift indicator on the Shift Light will illuminate every time the engine reaches the shift point and they will remain lit until the engine speed drops back below the shift point.

**WIRING DIAGRAM**



**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 SHIFT LIGHT 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 SHIFT LIGHT.

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.

