



## ***SEQUENTIAL SHIFT-LIGHT***

### **INTRODUCTION**

The SEQUENTIAL SHIFT-LIGHT from CARTEK is microprocessor controlled and can be installed on any vehicle with an electrical/electronic tachometer.

The SEQUENTIAL SHIFT-LIGHT offers 5 levels of illumination commencing with the outer Green LEDs sequencing through to all 7 LEDs flashing.

### **INSTALLATION**

The SEQUENTIAL SHIFT-LIGHT should be positioned so that it can be seen clearly with the LEDs pointing towards the driver. Once the ideal position has been found for installation of the unit it can be fixed using the special adhesive or the screws supplied, which you will find in the box.

The SEQUENTIAL SHIFT-LIGHT has 5 wires: RED positive (+12v), BROWN negative (GND), BLUE tacho signal (RPM), WHITE only used during setup, GREEN wire not connected.

The RED wire should be connected to a switched IGN 12Volts, the BROWN wire should be 'earthed' to the chassis and the BLUE wire should be connected to the same wire which feeds the RPM signal to the vehicle's tachometer. The end of the WHITE wire must be isolated using insulating tape except during the set up phase of the unit.

### **FUNCTION**

The SEQUENTIAL SHIFT-LIGHT is completely automatic, it is only necessary to carry out the following short set-up procedure during installation:

- To go into set up, turn on the ignition and start the engine.
- Remove any insulation from the end of the WHITE wire and momentarily touch the wire to chassis earth. The two outer green leds will begin to flash.
- At this point you have to set the engine revs for the lower RPM of the sequence. Take the revs to the level that you wish the unit to register as a first level, even for an instant. For example if you wish to set 6000rpm, carefully accelerate until the revs reach 6000rpm then immediately reduce the revs. The SEQUENTIAL SHIFT-LIGHT will record the maximum rpm reached during this phase and store it to the first LED sequence.
- "Earth" the calibration wire again, the green LEDs will stop flashing and red one will now begin to flash.
- At this point you have to set the engine revs for the upper RPM of the sequence. Take the revs to the level that you wish the unit to register as a final level, even for an instant. For example if you wish to set 7000rpm, carefully accelerate until the revs reach 7000rpm then reduce the revs. The SEQUENTIAL SHIFT-LIGHT will register the maximum rpm reached during this phase and store it to the final LED sequence.
- Once again "earth" the calibration wire, the red LED will go off. The SEQUENTIAL SHIFT-LIGHT will now calculate all intermediate LED levels of the sequence.
- Re-insulate the end of the WHITE wire. The unit has now been calibrated and is ready for use.

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