

SHIFT LIGHT SEQUENTIAL OMSLS

INSTALLATION AND USER INSTRUCTIONS

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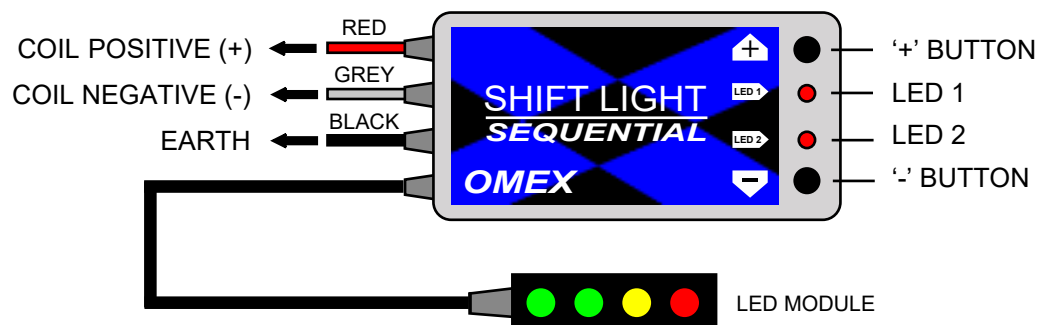
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Page 1

Please ensure that you read this manual thoroughly before you install this unit. In conjunction with this Shift Light, we recommend use of a high quality rev limiter, such as the Omex Rev Limiter Clubman or Rev Limiter Clubman with Launch Control.

This unit is suitable for most 4-stroke petrol engines and most ignition types, including CDi systems with tachometer output.



INSTALLATION

Ensure that the ignition is turned off before starting installation.

The unit is connected to the engine using the attached colour coded wires and the supplied cable connectors.

- GREY WIRE** Connect this to the coil negative (-) terminal
- RED WIRE** Connect this to the coil positive (+) terminal. If this is not easily accessible then this wire can be connected to any positive feed that is switched by the ignition switch.
- BLACK WIRE** Connect this wire to any good electrical connection on the car bodywork. It is essential that a good quality connection is made.

Keep wires clear of hot or rotating parts.

CDi IGNITIONS - Contact our technical team for specific instructions - www.omextechnology.com

Distributorless Systems - Use the tachometer output from the ECU, or one of the coil negative connections. For dual coil vehicles ALWAYS set the number of cylinders to two.

MOUNTING THE UNIT - Remove the backing from the adhesive pad on the back of the unit and mount it to a clean, flat, grease-free surface. **Keep the unit away from hot or exposed areas. Ensure that the unit and all wires are kept as far as possible from the HT parts of the ignition system.**

MOUNTING THE LED MODULE - The LEDs have a narrow viewing angle so ensure that the module is facing straight towards the driver. Mount the module using the supplied adhesive pads.

SETTING UP

The two buttons and LED indicators allow you to set and control all the functions on your Shift Light Sequential. During manufacture, the unit is programmed to the most common settings. These may be changed by the following procedures:-

SETTING THE NUMBER OF CYLINDERS

During manufacture, the unit is set to four cylinders. To change this, turn the ignition to the 'off' position. Press and hold down the '+' button. Whilst still holding the '+' button, turn the ignition on, **but do not start the engine**. The two LED indicators situated between these buttons will show the cylinder setting (see table below). Let go of the button.

	CYLINDERS				
	4	6	8	2	
LED 1					For Dual Coil vehicles ALWAYS set the number of cylinders to two
LED 2					

To change the cylinder setting, press and release the '+' button (or '-' button). The number of cylinders will go to the next (or previous) setting. To exit from Set Cylinder mode, turn the ignition off or start the engine.

Changing the number of cylinders automatically resets the shift point to 6,000 RPM

SETTING THE SHIFT POINT

The shift point can be increased or decreased in steps of 100 RPM, allowing for an extremely accurate shift point, irrespective of tachometer error. **The unit is set to 6,000 RPM during manufacture.** To prevent accidental change of the rev limit, the unit must be put into 'set shift point' mode. To do this, turn the ignition on - **but do not start the engine** - then press and hold both buttons. Both LEDs will flash briefly. Release the buttons.



The '+' button will increase the shift point by 100 RPM each time it is pressed and released. LED 1 will flash to confirm this.



The '-' button will decrease the shift point by 100 RPM each time it is pressed and released. LED 2 will flash to confirm this.

When the unit reaches its maximum or minimum possible setting, both LEDs will flash. When you have finished, either start your engine (the new setting will be fully operational) or turn off the ignition.

The Maximum Shift Point is 20,000 RPM (4 cylinder), 12,000 RPM (6 cylinder), 10,000 RPM (8 cylinder) and 20,000 RPM (2 cylinder)

The Minimum Shift Point is 2,000 RPM for all number of cylinders.

RESETTING THE SHIFT POINT - in order to provide a reference point, you may wish to reset the unit back to 6,000 RPM. To do so, switch the ignition to the 'off' position. Press and hold down both buttons, then turn the ignition on, **but do not start the engine**. Both LEDs will flash twice to show the rev limit has been reset. The unit will automatically enter into the 'set' mode (see above) as you let go of the buttons.

SETTING THE LED INTERVAL

The unit has 4 LEDs which can be programmed to light at different engine speeds. The last LED will light at the set shift point, the others lighting at set intervals beforehand. This interval can be set between 0 RPM and 600 RPM per LED in 100 RPM steps, it is set to 600 RPM during manufacture. To change the interval, turn the ignition 'off'. Keep the '-' button pressed whilst turning the ignition 'on' - **do not start the engine**, then release. To increase the interval by 100 RPM press and release the '+' button. To decrease it by 100 RPM press and release the '-' button. At the maximum (600 RPM) or minimum (0 RPM) setting, both LEDs will flash. If the interval is set to 0 RPM all 4 LEDs will light simultaneously at the shift point. To exit, start the engine or turn the ignition 'off'.

For Example - The Shift Light Sequential has a factory set shift point of 6,000 RPM and interval of 600 RPM. So, if whilst in 'set shift point' mode, the '+' button is pressed 10 times (i.e. + 1,000 RPM), the first LED will light at 5,200 RPM, the second at 5,800 RPM, the third at 6,400 RPM and the final LED at 7,000 RPM (the set shift point).

CUSTOMER CARE

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.

