



SEQUENTIAL SHIFT LIGHT (SSL)

Please read these users manual/installation instructions carefully before installing this unit.

The Sequential Shift Light (SSL) is suitable for most negative ground 4-stroke spark ignited engines and most ignition types, including CDI systems with tachometer output.



INSTALLATION (See Diagram)

Ensure that the ignition is turned off before starting installation. The SSL is connected to the engine using the attached color coded wires and the supplied cable connectors.

- BLUE WIRE -** Connect to the coil negative (-) terminal
- RED WIRE -** Connect to the coil positive (+) terminal. If this is not easily accessible, connect this wire to any 12 Volt (+) source that is “hot” with the ignition switched ON.
- BLACK WIRE -** Connect to any good ground (-) connection on the car body or engine block. It is essential that a good quality connection is made.
- CDI IGNITIONS -** If the CDI unite has a dedicated tachometer output, use this output. Otherwise, please call our help line for specific instructions.
- DISTRIBUTORLESS SYSTEMS -** Use the tachometer output from the ECU, or one of the coil negative connections. Please call our help line for specific instructions.
- 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 High Tension wires 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 pad.

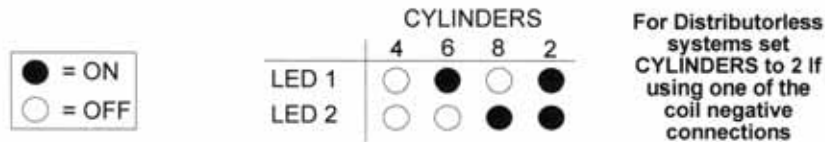
SETTING UP (SEE DIAGRAM)

The two buttons and indicators allow you to set and control all the functions on the SSL.

The SSL is programmed to the most common settings at the factory. These may be changed by the following procedures:

SETTING THE NUMBER OF CYLINDERS

The SSL comes set to four cylinders. To change this, turn the ignition to the OFF position. Press and hold down the '+' button. While still holding the '+' button, turn the ignition on, but do not start the engine. The L.E.D. indicators will show the cylinder setting (see table). Let go of the button.



To change the cylinder settings, press and release the '=' button (or '-' button). The number of cylinders will go to the next (or previous) setting. To exit from 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 extreme accuracy irrespective of tachometer error. The unit is set to 6,000 RPM at the factory. To change the shift point, 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 both buttons. Both LEDs will flash briefly.



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, or turn the ignition OFF.

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

The Maximum Shift Points are: 20,000 RPM (4 cylinder), 12,000 RPM (6 cylinder), 10,000 RPM (8 cylinder) and 20,000 RPM (2 cylinder)

SETTING THE LED INTERVAL

The SSL has 4 LEDs that can be programmed to light at different engine speeds. The last LED will light at the set shift point, the others light at the set intervals as programmed. This interval can be set to 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 while turning the ignition 'on' - **do not start the engine**. To increase the interval by 100 RPM press the '+' button. To decrease it by 100 RPM press 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 Sequential Shiftlight has a factory set shift point of 6,000 RPM and interval of 600 RPM. So, if while in "set shift point" mode, the '+' button is pressed 10 times (i.e. + 1,000 RPM) the new shift point will be 7,000 RPM and because the interval is 600 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).