

# MSD INSTALLATION INSTRUCTIONS

## MSD Digital Shift Light PN 89631

**ONLINE PRODUCT REGISTRATION:** Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for! Go to [www.msperformance.com/registration](http://www.msperformance.com/registration).

### Parts Included:

1 - Shift Light	2 - Washers
1 - Mounting Bracket	1 - Brass Screw
1 - GMR Pickup, PN 8918	1 - Parts Bag

**WARNING:** When installing the Shift Light disconnect the battery cables. When disconnecting, always remove the negative cable first and install it last.

**IMPORTANT:** Do NOT connect to the coil (-) terminal. The supplied GMR pickup must be used when installing the Digital Shift Light unless the rpm signal is coming from the tach output of an MSD Ignition or aftermarket ECU. Damage to the DSL will occur if connected to a high voltage trigger source.

### PROGRAMMING

By pressing the two buttons simultaneously, you get the Shift Light into the different programming modes.

**RPM:** To adjust the rpm, press the two buttons until the rpm shows. Notice that all of the numbers flash. Adjust the rpm then push the two buttons again to move to the next mode. The rpm can be set up to 16,000 rpm. Once you go over 9,900 rpm, the display will show 1,000 indicating 10,000 rpm and higher.

**Cylinder Count:** The display will read CY and allow you to select between one to 12-cylinder engines using the Up/Down buttons. On single cylinder two stroke or four stroke applications that fire every revolution (waste spark systems) the shift light should be programmed for two cylinder operation for correct operation.

**Intensity:** Control the intensity of the LED and read out. Hold the buttons until LuL displays. Use the buttons to select from 9 (brightest) to 0 to turn off the shift light.

**Self:** Self mode will walk through all of the settings programmed into the light. It will first show the rpm shift value for the shift light, the cylinder count and light intensity. Start the test mode by pushing either button once Self is displayed. To reset the Self mode, push either button when SELF is displayed, or turn the power Off.

Each time the DSL is powered on, the LED will display the program values that are set.

### INSTALLATION

The Shift Light installs easily with the GMR Pickup or through the tach output terminal of an MSD Ignition Control or aftermarket ECU. It will accept a trigger signal rated from 0-24 volt amplitude. **Never connect the Green Wire directly to the coil negative terminal.**

If an ignition control or aftermarket ECU are not being used, the GMR pickup must be connected.

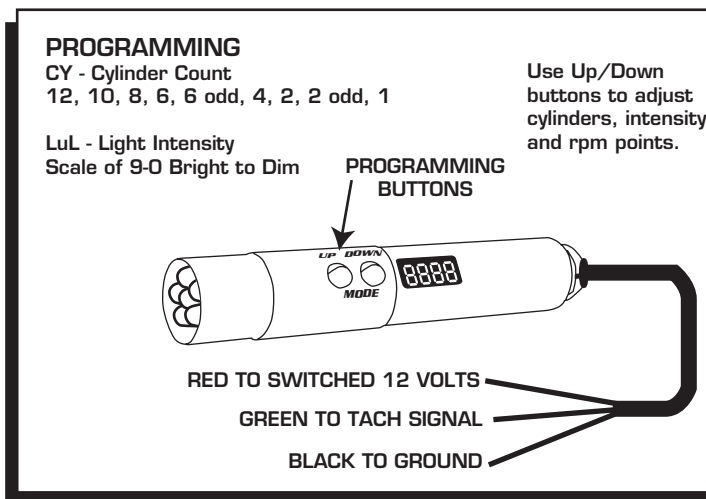


Figure 1 Digital Shift Light Wiring and Programming.