

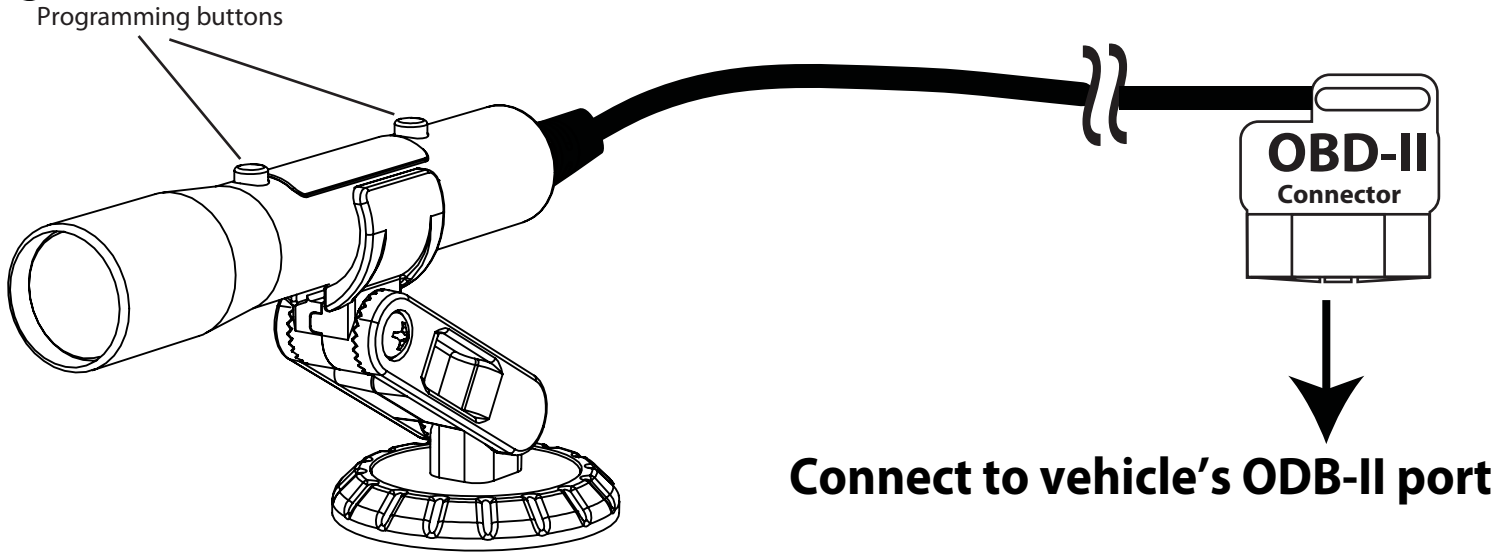
Installation Instructions

1. Plug the OBD-II connector into the vehicle's ODB-II port.

Note: Use the included double sided tape or a screw (not included). Arrange the shift light cable so that it will not interfere with steering wheel, gear stick, or pedals.

2. Mount the SST-MAX Shift-light for easy viewing. The Shift-light should be mounted in an area that will allow access to the programming buttons (see figure 1).

figure 1:



OBD-II NOTE: Shift-light will not function when used in conjunction with any other OBD-II device.

OPTIONAL: Direct Wire instructions (hard wire the Shift-Light into a PCM/ECU)

1. Disconnect negative (-) Battery Cable

2. Cut off OBDII connector and strip back the insulation to expose the red wire, black wire, white wire, and unshielded wire (see figure 2).

3. Connect wiring to the corresponding wires listed in figure 3.

4. Mount the SST-MAX Shift-light for easy viewing. The Shift-light should be mounted in an area that will allow access to the programming buttons (see figure 1).

Note: Use the included double sided tape or a screw (not included).

5. Reconnect negative (-) battery cable.

figure 2:

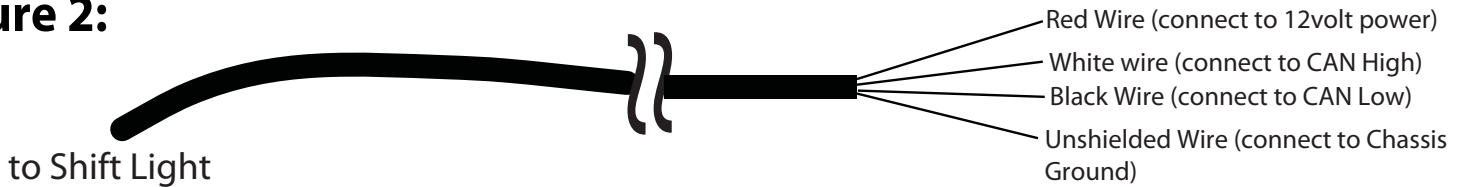
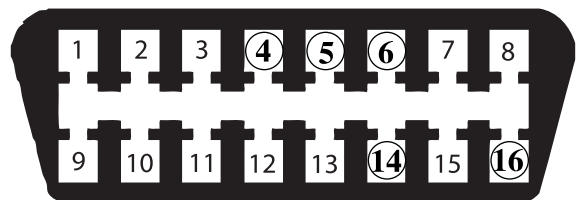


figure 3: OBD-II CAN (J1979) protocol Pinout

If the vehicle has wires that connect to pins 6 and 14 of the OBDII connector then the vehicle supports the CAN (J1979) protocol.

- Pin 4 -- Chassis Ground
- Pin 5 -- Signal Ground
- Pin 6 -- CAN High (data)
- Pin 14 -- CAN Low (data)
- Pin 16 -- +12volt Battery power



Vehicle's OBDII connector pin numbering

Power Note: There is no need to disconnect the shift light when not in use. The Shift-light will automatically go into a power saving mode when the vehicle is off. When the engine is started up the Shift-light will instantly be powered on and ready to use.



SELECTION • VALUE • SUPPORT

Smart-Shift Technology™ MAXIMIZED

The OBD-II Shift light is equipped with an easy to use LED display menu. The LED display by default will display your engine RPM.

1. Turn on power to the Shift-light by starting up the vehicle (or plug it into the OBDII port).

2. To access most menus follow this procedure below.



Initial Setup Instructions

Power Note: There is no need to disconnect the shift light when not in use. The Shift-light will automatically go into a power saving mode when the vehicle is off. When the engine is started up the Shift-light will instantly be powered on and ready to use.

1. **SPd** Select the Number of Speeds for your Vehicle's Transmission

1. Select the **SPd** menu option, press and hold a button for 2 seconds. Current setting will be displayed.
2. Toggle through 1 through 6 to select how many speeds your transmission has.
3. To save setting, do not press a button for 5 seconds. Display will blink indicating that the setting has been saved.

2. **Pr9** Program the Shift Light to your Vehicle's Gear Ratios

The SST-MAX can quickly learn your car's gear ratios, which allows you to setup a different shift point for each individual gear.

Please note: Program menu is only available while engine is running.

1. Select the **Pr9** menu option, press and hold a button for 2 seconds. **Gr.1** is displayed.
2. Drive the vehicle in 1st gear at a steady speed. Quick press a button, LEDs will blink to indicate 1st gear ratio is saved. **Gr.2** will automatically be displayed after the 1st gear ratio is set.
3. Drive the vehicle in 2nd gear at a steady speed. Quick press a button, LEDs will blink to indicate 2nd gear ratio is saved. **Gr.3** will automatically be displayed after the 2nd gear ratio is set.
4. Repeat procedure for each remaining gears. **Gr.4** **Gr.5** **Gr.6**

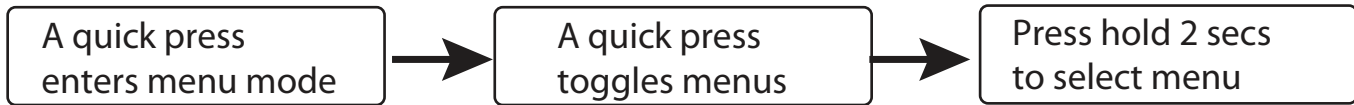
Please note: Driving speed only needs to be steady for each gear and does not need to be close to the red line. For example 5th and 6th gears would be driven at a safe and legal speed (50-70MPH) while corresponding lower gears would be driven at slower steady speeds.

3. **SP.1** to **SP.6** Set Shift Point for each Gear

1. Select the **SP.1** menu option. press and hold a button for 2 seconds. Current setting will be displayed.
- Note: Engine RPM will show as this example: 8.35 = 8350 RPM**
2. Toggle through to set your desired shift point.
 3. To save setting, do not press a button for 5 seconds. Display will blink indicating that the setting has been saved.
 4. Repeat procedure to set shift point for each gear.

The OBD-II Shift-light features an easy to use LED display menu. The LED display can also display your engine RPM.

1. Turn on power to the Shift-light by starting up the vehicle (or plug it into the OBDII port).
2. To access most menus follow this procedure below.



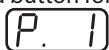
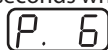
Additional Features and Operating Instructions

Power Note: There is no need to disconnect the shift light when not in use. The Shift-light will automatically go into a power saving mode when the vehicle is off. When the engine is started up the Shift-light will instantly be powered on and ready to use.

Engine RPM Peak Recall

The shift-light LED display by default will display the current engine RPM while in use.

Note: Engine RPM is displayed as this example: 8.35 = 8350 RPM

1. Press and hold a button for 2 seconds while viewing the current RPM*. The Peak Recall menu will be displayed.
2. Toggle through  to  to select a gear.
3. Press and hold a button to show the peak RPM for the selected gear, release the button to continue toggling.


Clear all Peak Recall Memory

1. To clear all peak recall memory, press and hold a button for 2 seconds. Display will blink indicating that the memory has been cleared.

*The LED display settings can be changed to display one of these options - Current RPM, Current Gear, or the display can be turned off. Press and hold a button for 2 seconds while any of these options are displayed to enter the Peak Recall menu.







Shift-Light LED brightness settings


You can set the shift light LED brightness. The shift light will retain this setting in memory.

1. Select the  menu option, press and hold a button for 2 seconds. Current brightness setting will be displayed.
2. Toggle through brightness setting using buttons.
 - OFF = Turns off the shift-light LEDs
 - 1-4 = Indicates a brightness level
3. At desired brightness setting let shift light time out for 5 seconds to save the setting. LEDs will flash 2 times on exit of menu.


LED Display Setting


The shift-light will display current engine RPM or current gear on the LED display while in operation. If desired you can turn this feature off.


1. Select the  menu option, press and hold button for 2 seconds. Current display option will be displayed.
2. Press a button to toggle between     and .

 - LED display will show current engine RPM while in operation

Note: Engine RPM will show as this example: 8.35 = 8350 RPM

 - LED display will show current Speed in MPH

 - LED display will show current gear number while in operation


 - LED display will flip the displayed information upside down.

 - LED display will be turned off

3. To save the setting, do not press a button for 5 seconds.

Launch RPM Menu

The SST-MAX Shift-Light "Launch" feature allows you to set an RPM launch point. Once the Launch Point is set, the light will turn on when the vehicle's RPM is within 200 RPM below or 200 RPM above the launch point (this is the Launch RPM Zone). If the RPM exceeds 200 above the launch point the light will blink, this indicates that you have passed the launch point RPM. While in the Launch RPM Zone the shift-light is steady on to indicate that you are on the correct RPM. Launch feature is automatically active when vehicle is not moving and the shift light is powered on.

1. Select the  menu option, press and hold a button for 2 seconds. Current setting will be displayed.
2. Toggle through 1.00 to 9.99.

Note: Engine RPM will show as this example: 8.35 = 8350 RPM

3. To disable the launch feature - set launch RPM to 9.99