

### Set your shift point and RPM span

One of the most exciting features of the Freedom tachometer with shift-lights is the integrated shift LED's in the dial. This new technology lets you anticipate the next shift point by displaying 3 yellow warning LED's before reaching the set shift point Red #1 LED. The span between the LED's can also be set. Red #2 is an over-shift light that blinks if you exceed the set shift point by the set span value. If, for any reason you miss a shift and over-shoot your shift point this light will blink.

The following procedures can be done at any time during operation of the tachometer while the tachometer has power.

#### Shift point set

Red #1 is set shift point. The 3 Yellow LEDs will turn on before the set shift point by the amount of span selected.

1. Press and release menu button until 'shift' LED is lit.
  2. Press and release 'select' button. LED will blink once to indicate you have selected the RPM shift point.
  3. Set shift point.
    - Press and hold 'Select' button to increase RPM shift point.
    - Press and hold 'Menu' button to decrease RPM shift point.
- After desired shift point is reached release buttons for 2 seconds. LED will blink 2 times to confirm new set shift point.

#### Shift RPM Span set

The shift span is the RPM between the LEDs. (See fig. #6). Setting a span of '0' RPM will turn on all 5 LEDs at the set shift point. Setting a maximum span of 400 RPM (see fig. #2) will turn on the next LED after 400 RPM of previous LED.

Example: shift point set at 6500, span set at 200 RPM.  
yellow #1 will light at 5900, yellow #2 at 6100, yellow #3 at 6300, red #1 (shift point) at 6500, finally red #2 will blink at 6700 RPM.

1. Press and release menu button until 'span' LED is lit.
  2. Press and release 'select' button. LED will blink once to indicate you have selected the RPM span point.
  3. Set RPM span.
    - Press and hold 'Select' button to increase RPM span.
    - Press and hold 'Menu' button to decrease RPM span.
- After desired span is reached release buttons for 2 seconds. LED will blink 2 times to confirm new RPM span.

### Set your LED brightness

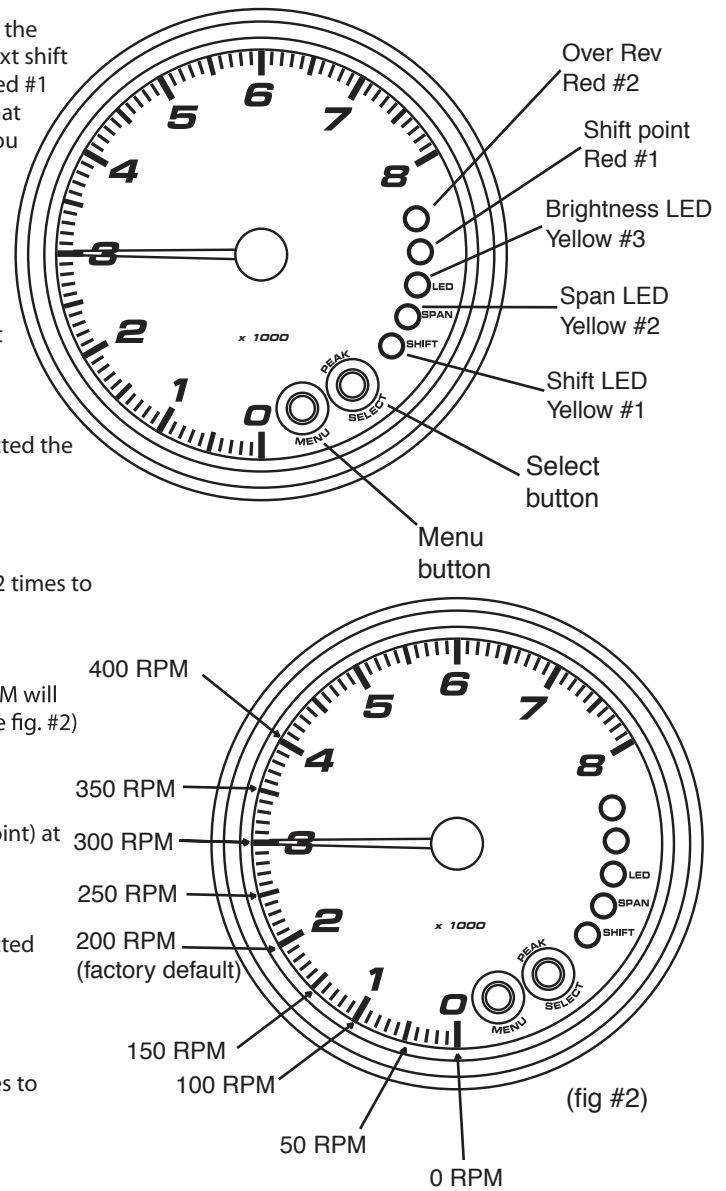
A unique day and night LED brightness setting can be set on the Freedom tachometer with shift-lights. Each setting has 4 possible brightness positions including 'off'. The tachometer automatically knows which day or night value to set by sensing the voltage on the white wire connected to your dash lighting. Setting the LED brightness value with your lights 'on' will result in setting the 'night' brightness value. And likewise, setting the LED brightness value with your lights 'off' will result in setting the 'day' brightness value.

To set LED brightness, press and release menu button until Brightness LED is lit. Press and release select button. Press and release select button to increase brightness. Press and release menu button to decrease brightness. After 2 second delay LED will blink to indicate setting has been saved.

### Memory function (Peak Recall)

1. To show peak recall press and release peak (select) button.
  - Peak RPM will be displayed for a couple seconds.
  - After couple second delay tachometer will go back to normal operation.
2. To clear peak RPM press and release peak (select) button. During the peak RPM display press and release peak button again. This clears the RPM. LED will blink to indicate memory cleared.

**Cleaning Window** - Use warm soap water or Windex to clean the window.



### Set your shift point

The following procedures can be done at any time during operation of the tachometer while the tachometer has power.

#### Shift point set

1. Press and HOLD button for approx 10 seconds. Pointer will travel to current set shift point.
2. Press and Hold to move pointer up and down dial. Releasing button and pressing and holding again will change pointer direction.
3. At desired shift point, release button for 5 seconds. LED will blink and pointer will return to zero position on dial. New shift point is now stored in memory.

### Peak memory recall feature

Press and hold gauge button down and gauge needle will display maximum peak reading for as long as button is pressed down. LED will stay lit while showing peak reading. Note if button is held for longer than 10 seconds, tach will enter shift light set mode. (see step - Set your shift point)

#### To retain peak reading (NOT CLEAR IT)

While showing peak reading, release button, wait 2 seconds, gauge will return to normal and retain the peak reading.

#### To clear peak reading

While showing peak reading, release button, and immediately press and release again within 2 seconds. LED will flash 2 times and pointer will travel to zero to indicate peak has been cleared

### Set your shift light LED brightness

A unique day and night shift light LED brightness setting can be set on the tachometer. This setting effects internal shift LEDs. Each setting has 4 possible brightness positions including 'off'. The tachometer automatically knows which day or night value to set by sensing the voltage on the white wire connected to your dash lighting. Setting the LED brightness value with your lights 'on' will result in setting the 'night' brightness value. And likewise, setting the LED brightness value with your lights 'off' will result in setting the 'day' brightness value.

At any time while tachometer has power, press and release LED button to show current LED brightness. After a couple second delay, if button is not pressed this current setting is re-saved. LED will blink to indicate setting has been saved. To change LED brightness press and release the button to advance to next higher brightness level. LED brightness will loop through 5 possible brightness settings including off as you press and release the button. At acceptable brightness level do not press button for couple second delay. LED will blink to indicate setting has been saved. Note: Setting the brightness level when gauge lighting is on, will set the night brightness level. Setting the brightness level when gauge lighting is off will set the day brightness level.

