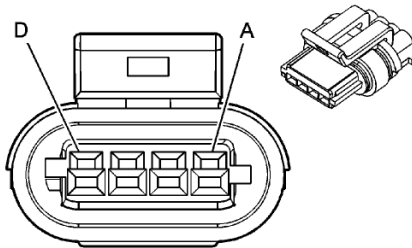




Single Mode Shift Light Instructions
For 2010+ Camaro
(LS3/L99/LSA/LT1/LT4 V8) OR (LLT/LFX V6)
 FIRMWARE REVISION V2.5

- MAKE SURE KEY IS OUT OF IGNITION OR REMOVE NEGATIVE BATTERY CABLE BEFORE WIRING.
- DECIDE ON MOUNTING LOCATION AND MOUNT THE SHIFT LIGHT INSIDE THE VEHICLE. (HOT GLUE WORKS GREAT FOR MOUNTING THE SMALL SHIFT LIGHT BRACKET TO PLASTIC BECAUSE IT REQUIRES NO SCREW AND CAN BE EASILY REMOVED LATER WITHOUT DAMAGE TO THE INTERIOR.
- ALL THREE WIRES ON THE SHIFT LIGHT CAN BE CONNECTED AT ANY IGNITION COIL CONNECTOR (V8 COIL #1 SHOWN BELOW FOR REFERENCE).

V8 (LS3/L99/LSA ENGINE) WIRING (SEE PAGE 2 FOR LT1/LT4)



Connector Part Information

- Harness: Coils (Odd)
- OEM: 15439568
- Service: 88987184
- Description: 4-Way F GT 150 Series, Sealed (GY)

Terminal Part Information

- Terminal/Tray: 15326267/19
- Pins: A, D
- Core/Insulation Crimp: E/1
- Pins: B, C
- Core/Insulation Crimp: E/4
- Release Tool: 15315247
- Test Probe: J-35616-2A (GY)

T8A Ignition Coil 1 (L99 or LS3)

Pin	Wire	Circuit	Function
A	0.8 BK	151	Ground
B	0.5 BN	2129	Low Reference
C	0.5 PU	2121	IC 1 Control
D	0.8 PK	39	Ignition 1 Voltage

FOR V8 (LS3, L99, LSA ENGINE) WIRE AS FOLLOWS:

- **BLACK** WIRE OF SHIFT LIGHT TO PIN A (**BLACK** WIRE ON CONNECTOR) OF IGNITION COIL OR SUITABLE GROUND ON VEHICLE.
- **GREEN** WIRE OF SHIFT LIGHT TO PIN C (**PURPLE** WIRE ON CONNECTOR) OF IGNITION COIL (THIS WIRE COLOR MAY BE DIFFERENT IF YOU USE ANOTHER IGNITION COIL OTHER THAN COIL #1).
- **RED** WIRE OF SHIFT LIGHT TO PIN D (**PINK** WIRE ON CONNECTOR) OF IGNITION COIL OR A SUITABLE SWITCHED 12 VOLT SOURCE.

2016-2017 Camaro V8 (LT1/LT4)

(PINOUT IS THE SAME ON THE 4 PIN COIL CONNECTORS OF LS3/L99/LSA. HOWEVER, COLORS HAVE CHANGED)

IGNITION COIL #1:

PIN A: GROUND, BLACK WIRE: CONNECT TO BLACK WIRE OF SHIFT LIGHT

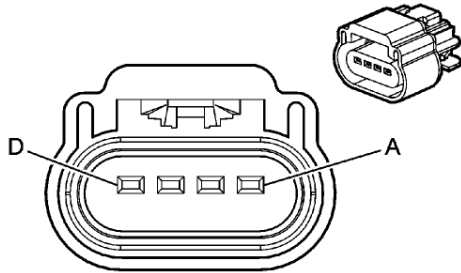
PIN B: LOW REFERENCE, BLACK WITH BLUE STRIPE: NO CONNECTION TO SHIFT LIGHT

PIN C: COIL CONTROL #1, BLUE WIRE WITH PURPLE STRIPE: CONNECT TO GREEN WIRE OF SHIFT LIGHT

PIN D: +12 VOLTS, PURPLE WITH BLUE STRIPE: CONNECT TO RED WIRE OF SHIFT LIGHT

V6 (LLT/LFX ENGINE) WIRING

ALL THREE WIRES ON THE SHIFT LIGHT CAN BE CONNECTED AT ANY IGNITION COIL CONNECTOR (V6 COIL #1 SHOWN BELOW FOR REFERENCE).



Connector Part Information

- Harness: Engine
- OEM: 15466325
- Service: 88988737
- Description: 4-Way F GT 150 Series, Sealed (BK)

Terminal Part Information

- Terminal/Tray: 12191819/8
- Core/Insulation Crimp: Pins A, D - 2/1
- Core/Insulation Crimp: Pins B, C - E/1
- Release Tool: 15315247
- Test Probe: J-35616-2A (GY)

T8A Ignition Coil 1 (LLT)

Pin	Wire	Circuit	Function
A	1 BK	250	Ground
B	0.5 BN	2129	Low Reference
C	0.5 PU	2121	IC 1 Control
D	1 PK/BK	5291	Ignition Voltage

FOR V6 (LLT OR LFX ENGINE) WIRE AS FOLLOWS:

- **BLACK** WIRE OF SHIFT LIGHT TO PIN A (**BLACK** WIRE ON CONNECTOR) OF IGNITION COIL OR SUITABLE GROUND ON VEHICLE.
- **GREEN** WIRE OF SHIFT LIGHT TO PIN C (**PURPLE** WIRE ON CONNECTOR) OF IGNITION COIL (THIS WIRE COLOR MAY BE DIFFERENT IF YOU USE ANOTHER IGNITION COIL OTHER THAN COIL #1).
- **RED** WIRE OF SHIFT LIGHT TO PIN D (**PINK** WIRE WITH **BLACK** STRIPE ON CONNECTOR) OF IGNITION COIL OR A SUITABLE **SWITCHED** 12 VOLT SOURCE

ROUTE THE SHIFT LIGHT CABLE AWAY FROM HEAT SOURCES AND AWAY FROM THE REMAINING IGNITION COILS TO REDUCE ELECTRICAL INTERFERENCE INTO THE SHIFT LIGHT.

FOR MORE WIRING INFO OR ALTERNATE WIRING AT THE PCM, SEE <http://www.raptorperformance.com/pages/raptor-shift-light-install-camaro>

- SET DESIRED RPM ACTIVATION POINT USING THE TWO ROTARY SWITCHES WITH A SMALL SCREWDRIVER.
EXAMPLE: FOR 5800 RPM = "RPM X1000" TO "5" AND "RPM X100" TO "8" (SEE FIGURE 1).

*** CARE MUST BE USED WHEN SETTING SWITCHES. THE SLOT CAN BE DAMAGED IF THE CORRECT SCREWDRIVER IS NOT USED. FULLY INSERT BEFORE TURNING.*
- SET "CYLINDER SETTING" TO 0.5 PPR OR "1 CYLINDER" MODE (ALL SLIDE SWITCHES DOWN OR OFF).
- RESTORE BATTERY CABLE CONNECTION.
NOTE: TO CHANGE SETTINGS, TURN IGNITION OFF, CHANGE SWITCH SETTINGS AND TURN IGNITION BACK ON. THE SHIFT LIGHT READS THE SWITCH SETTINGS UPON POWER UP ONLY.

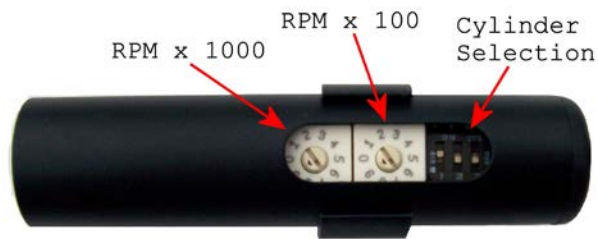


Figure 1

VERIFY MODE

VERIFY MODE DISPLAYS THE SWITCH SETTINGS, IF THEY HAVE BEEN CHANGED FROM THE LAST VALUE STORED IN MEMORY.

TURN IGNITION ON AND THE SHIFTLIGHT WILL FLASH THE SETTINGS TO YOU:

- *A-* 4 LEDS WILL FLASH THE NUMBER OF TIMES WHICH IS REPRESENTATIVE OF THE "RPM X1000 SETTING".
- *B-* THERE WILL BE A PAUSE (NO LEDS ON FOR ABOUT 2 SECONDS).
- *C-* 3 LEDS WILL FLASH THE NUMBER OF TIMES WHICH IS REPRESENTATIVE OF THE "RPM X100 SETTING".
- *D-* THERE WILL BE ANOTHER PAUSE (NO LEDS ON FOR ABOUT 2 SECONDS).
- *E-* ALL LEDS WILL FLASH THE NUMBER OF TIMES WHICH IS REPRESENTATIVE OF THE "CYLINDER SETTING". AND FINALLY THE SHIFTLIGHT WILL DO AN LED TEST AND BE READY FOR USE.

NORMAL MODE

NORMAL MODE IS WHEN THE SWITCH SETTINGS HAVE NOT BEEN CHANGED FROM THE PREVIOUS VALUES STORED IN MEMORY.

- UPON TURNING ON IGNITION, THE SHIFTLIGHT WILL TEST THE LEDS AND NO SWITCH SETTINGS WILL BE DISPLAYED. THE SHIFTLIGHT IS READY FOR USE AT THIS POINT.

ERROR MODE

IN ERROR MODE, ALL LEDS FLASH AT A RAPID RATE TO INDICATE THE RPM ACTIVATION POINT IS SET BELOW THE MINIMUM SETTING OF 1000 RPM OR THE "FACTORY TEST" SWITCH SETTINGS WERE SELECTED.

- TURN OFF IGNITION AND CHANGE THE SWITCHES TO A SETTING ABOVE 1000 RPM OR SET THE CYLINDER SELECT SWITCH TO THE CORRECT SETTING (NOT FACTORY TEST).

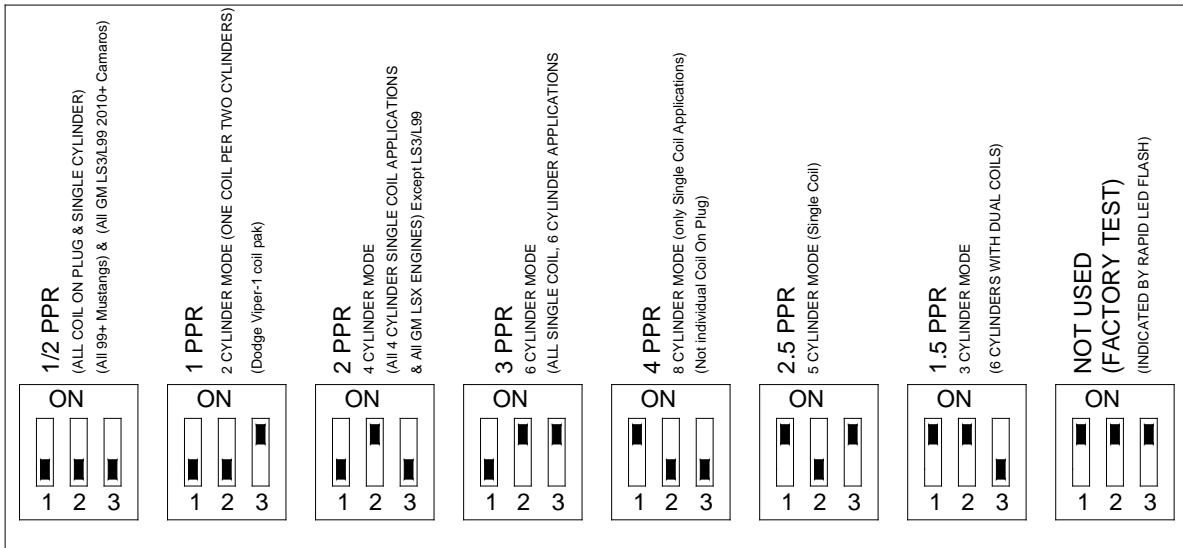


FIGURE 2

(PPR = Pulses PER Revolution)

For 2010+ Camaros), the preferred setting is 1/2 PPR (signal off one of the 8 coil drivers).

FIRMWARE REVISION V2.5 (HIGH SENSITIVITY PROGRAM FOR LOW VOLTAGE COIL DRIVE SIGNALS)

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Revision "A"
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