GM PASSLOCK I & 2 , VATS, & SATURN ION SELF LEARNING RESISTOR CODE INTERFACE

BYPASS MODE SELECTION

BYPASS TYPE SELECTION MODE
PASSLOCK 1= Press Button (1X) one time
PASSLOCK 2= Press Button (2X) two times
VATS   = Press Button (2X) two times
SATURN ION= Press Button (3X) three times*
* IB - PLXR DEFAULT MODE

Once the IB-PLXR wire harness is correctly connected and the module plugged in, you must select one of the 3 available bypass modes.

1. **To Enter Bypass Selection Mode:** Press program button for 5 seconds. LED will flash for 3 seconds.
2. Press Program Button 1, 2 or 3 times to select the type of bypass mode that matches the vehicle's immobilizer type. The LED will flash an equal number of times to confirm.
3. To Exit Bypass Selection Mode: Press and hold program button until LED turns on solid.
4. Once the Bypass Mode has been selected, the interface must be programmed to the specific vehicle.
   This is the Resistor Code Self Learning step.
   (GO TO NEXT STEP)

*Bypass Selection Mode can be reprogrammed by repeating step 1.

PROGRAMMING PASSLOCK RESISTOR CODE

After Bypass Selection Mode, IB-PLXR must learn the Passlock resistor code of the vehicle.
A) **Start the vehicle with the key**
B) **Press & Release the Program Button**
C) **LED will Illuminate for 1 sec & turn off**
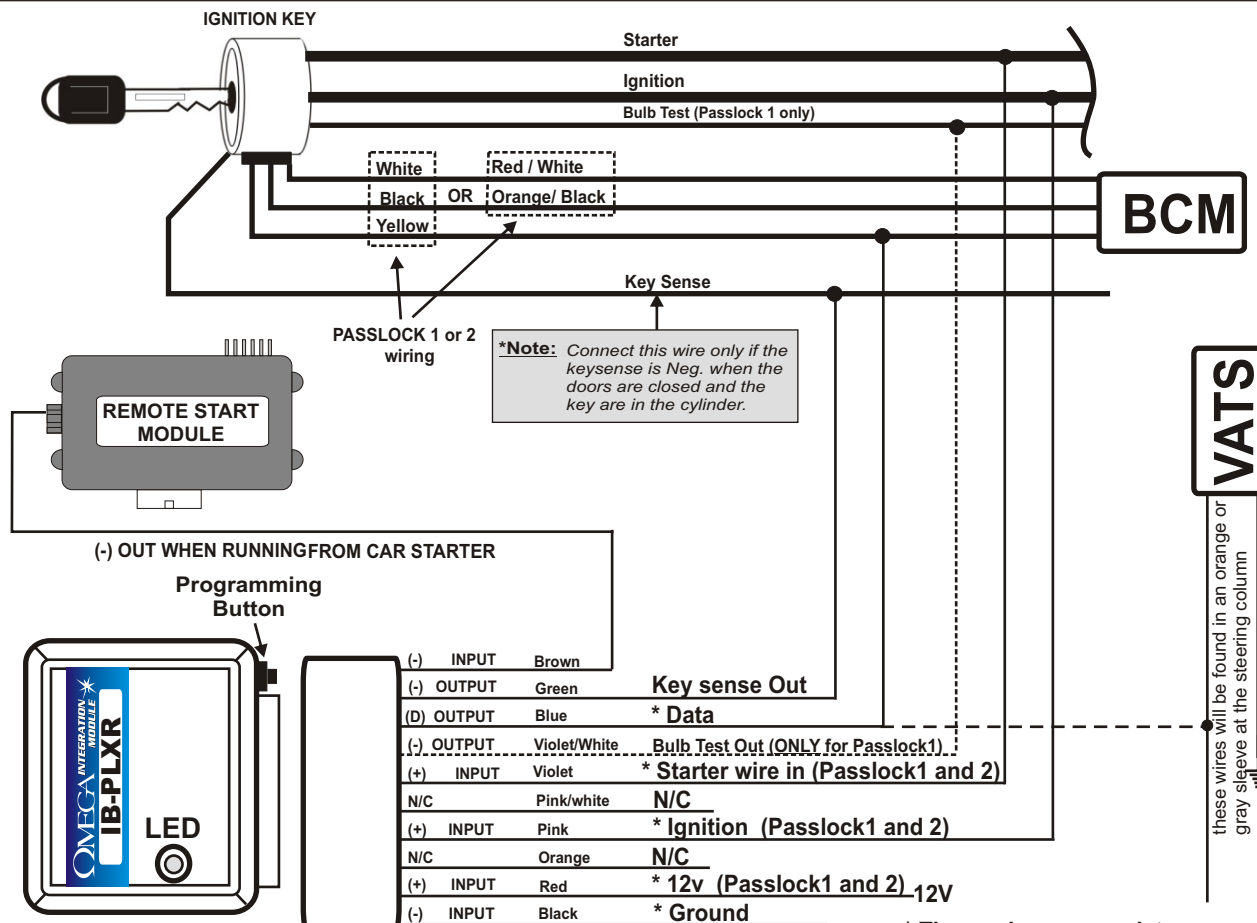D) **Turn OFF the Vehicle. IB-PLXR is programmed.**

☞ NOTICE

In case of component failure, it is probable that the Passlock will go into "Long Tamper" mode. This will prevent the vehicle from starting for a period of 10 minutes. In the event you are unable to start vehicle due to "Tamper Mode" wait the 10 minute delay or until the GM Security light stops flashing.

ADDITONAL INFORMATION (Tech Note)

CAVALIER, SUNFIRE 1999 or earlier. Passlock 1 (Bulb Test Wire)
On certain vehicles, such as the 1999 Cavalier & Sunfire, there have been cases where a voltage residual is detected on the starter wire after start up. This will prevent the PLXR from functioning properly. To test: Start vehicle and use a test light on the starter wire to check for 12V positive(+) residue after cranking. If a +12v residue is detected, choose from solution #1 or #2 to rectify. (See solutions #1 & #2 to the right)
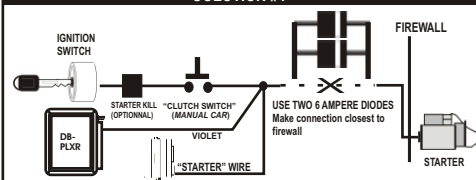
PASSLOCK 1 & 2 VATS CONNECTION

IGNITION KEY

Starter

Ignition

Bulb Test (Passlock 1 only)

BCM

White	Red / White
Black	OR	Orange/ Black
Yellow	

PASSLOCK 1 or 2 wiring

Key Sense

Note: *Connect this wire only if the keysense is Neg. when the doors are closed and the key are in the cylinder.*

REMOTE START MODULE

VATS

these wires will be found in an orange or gray sleeve at the steering column

(-) OUT WHEN RUNNINGFROM CAR STARTER

Programming Button

IB-PLXR **LED**

(-)	INPUT	Brown	
(-)	OUTPUT	Green	**Key sense Out**
(D)	OUTPUT	Blue	* **Data**
(-)	OUTPUT	Violet/White	Bulb Test Out (ONLY for Passlock1)
(+)	INPUT	Violet	* **Starter wire in (Passlock1 and 2)**
N/C		Pink/white	**N/C**
(+)	INPUT	Pink	* **Ignition (Passlock1 and 2)**
N/C		Orange	**N/C**
(+)	INPUT	Red	* **12v (Passlock1 and 2)** 12V
(-)	INPUT	Black	* **Ground**

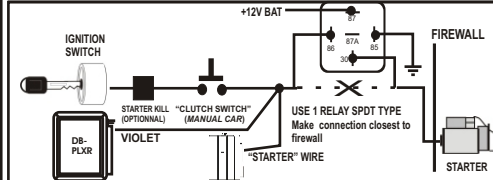*** These wire are mandatory for VATS bypass**

TECH NOTES: The wiring of some older Passlock I vehicles may be: Black/White, Black(GND), and Black(Data). **The Equinox is a Passlock II type even though it doesn't have a starter wire. Connect the violet wire directly to the remote start's starter output.

SOLUTION #1

IGNITION SWITCH

STARTER KILL (OPTIONNAL) "CLUTCH SWITCH" (MANUAL CAR)

DB-PLXR

VIOLET

"STARTER" WIRE

USE TWO 6 AMPERE DIODES Make connection closest to firewall

FIREWALL

STARTER

SOLUTION #2

+12V BAT

IGNITION SWITCH

STARTER KILL (OPTIONNAL) "CLUTCH SWITCH" (MANUAL CAR)

DB-PLXR

VIOLET

"STARTER" WIRE

USE 1 RELAY SPDT TYPE Make connection closest to firewall

FIREWALL

STARTER

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4. Once the Bypass Mode has been selected, the interface must be programmed to the specific vehicle.
   This is the Resistor Code Self Learning step.
   (GO TO NEXT STEP)

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PROGRAMMING SATURN ION RESISTOR CODE

After Bypass Selection Mode, IB-PLXR must learn the SATURN ION resistor code of the vehicle.
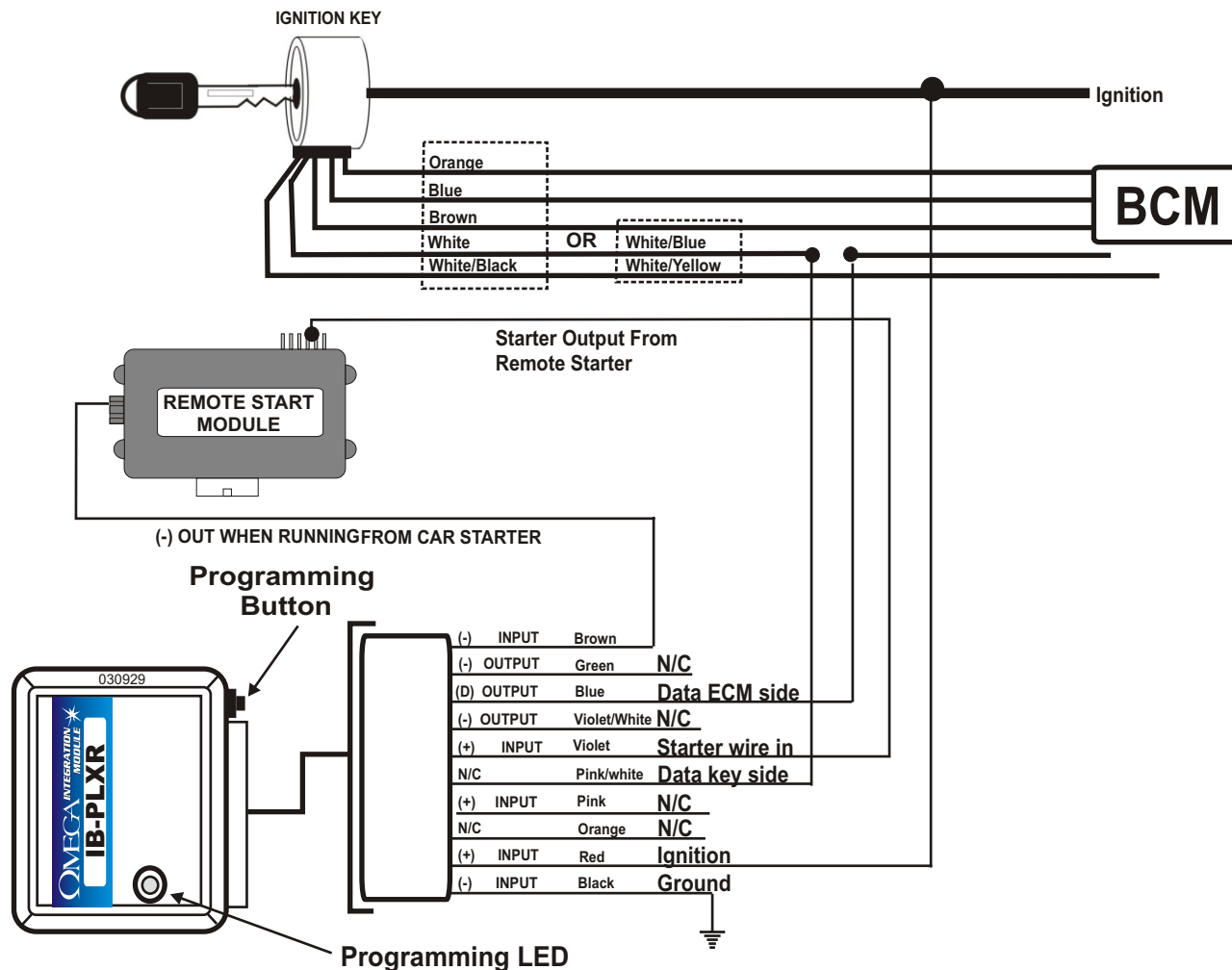
A) **Start the engine with the key & HOLD in the START position*.**
B) **Press & Release the Program Button**
C) **LED will Illuminate for 1 sec & turn off**
D) **Turn OFF the Vehicle. IB-PLXR is programmed.**
* ANTI GRIND PREVENTS OVERCRANK

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SATURN ION, GMC CANYON, CHEVY COLORADO CONNECTION

IGNITION KEY

Ignition

Orange		
Blue		
Brown		
White	OR	White/Blue
White/Black		White/Yellow

BCM

Starter Output From Remote Starter

REMOTE START MODULE

(-) OUT WHEN RUNNINGFROM CAR STARTER

Programming Button

030929

IB-PLXR

(-)	INPUT	Brown	
(-)	OUTPUT	Green	N/C
(D)	OUTPUT	Blue	**Data ECM side**
(-)	OUTPUT	Violet/White	N/C
(+)	INPUT	Violet	**Starter wire in**
N/C		Pink/white	**Data key side**
(+)	INPUT	Pink	N/C
N/C		Orange	N/C
(+)	INPUT	Red	**Ignition**
(-)	INPUT	Black	**Ground**

Programming LED