



MODEL: PLJX

GM PASSLOCK 1 & 2 & VATS & ION
SELF LEARNING DIGITAL
INTERFACE: JUMPER SELECTION

HUMMER ISUZU

INSTALLATION GUIDE

PRODUCT DESCRIPTION

PLJX is a "Self Learning" unit designed to bypass all GM vehicles equipped with Passlock I, Passlock II, VATS, and the new style Passlock immobilizer found in the Saturn Ion & GM Colorado, Canyon, Cobalt, and Pursuit. No measuring and matching of resistance values, PLJX automatically learns the resistor code value of any GM and generates the value on demand when remote starting. One simple jumper allows you to easily select the appropriate Passlock type. PLJX programs in one easy step.

PRODUCT FEATURES

- Compatible with any remote car starter
- Compatible with manufacturer's anti-theft & content theft security system
- Maintains integrity of manufacturer's anti-theft immobilizer system
- Maintains integrity of manufacturer's security and convenience functions
- Compact design, easy to mount
- No Key Required for operation (NKR)
- Simple programming
- All temperature operation

† Buick, Cadillac, GM Oldsmobile, Saturn, Hummer, Chevrolet, Isuzu and Pontiac are registered trademarks and property of their respective companies.



CHEVROLET



PONTIAC.

HUMMER

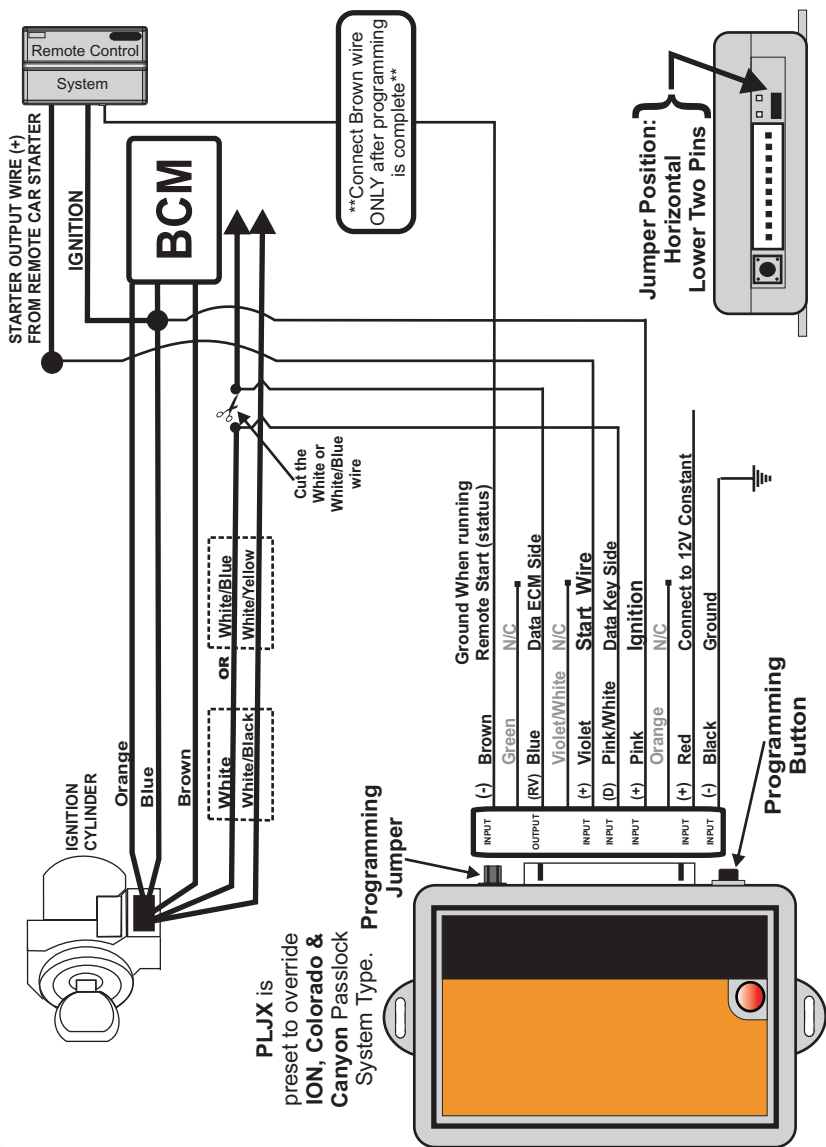
ISUZU

COMPATIBILITY:

- EQUIPPED WITH PASSLOCK 1
- EQUIPPED WITH PASSLOCK 2
- EQUIPPED WITH VATS
- EQUIPPED WITH ION PASSLOCK TYPE

ION, CANYON, COLORADO, COBALT, PURSUIT

SYSTEM PRESET TO OVERRIDE THE FOLLOWING ION PASSLOCK TYPE use on:
 SATURN ION, CHEVY COLORADO, 2005 COBALT, GMC CANYON, 2005 PONTIAC PURSUIT



INSTALLATION NOTES: ION, Canyon & Colorado etc. do not have starter wires.
 ** Be sure to verify the jumper type selection on the PLJX module prior to installation, otherwise the kit will not function.

ION TYPE PASSLOCK PROGRAMMING

STEP 1- PASSLOCK TYPE SELECTION

ION type Passlock is the default setting. Verify by checking jumper settings on the module. If installing on an ION type Passlock system skip to “Step 2” after connecting the Passlock wires.

*If you are installing on a vehicle equipped with either Passlock 1 or Passlock 2 or VATS you must change Passlock Type before you can program resistor code. (go to Passlock Type Selection on page 2).

STEP 2- PROGRAM RESISTOR CODE

Connect Brown wire to remote starter only after RESISTOR CODE programming is complete.

(For manual transmission vehicles, put shifter in the NEUTRAL position and DO NOT PRESS CLUTCH when doing STEP A & B)

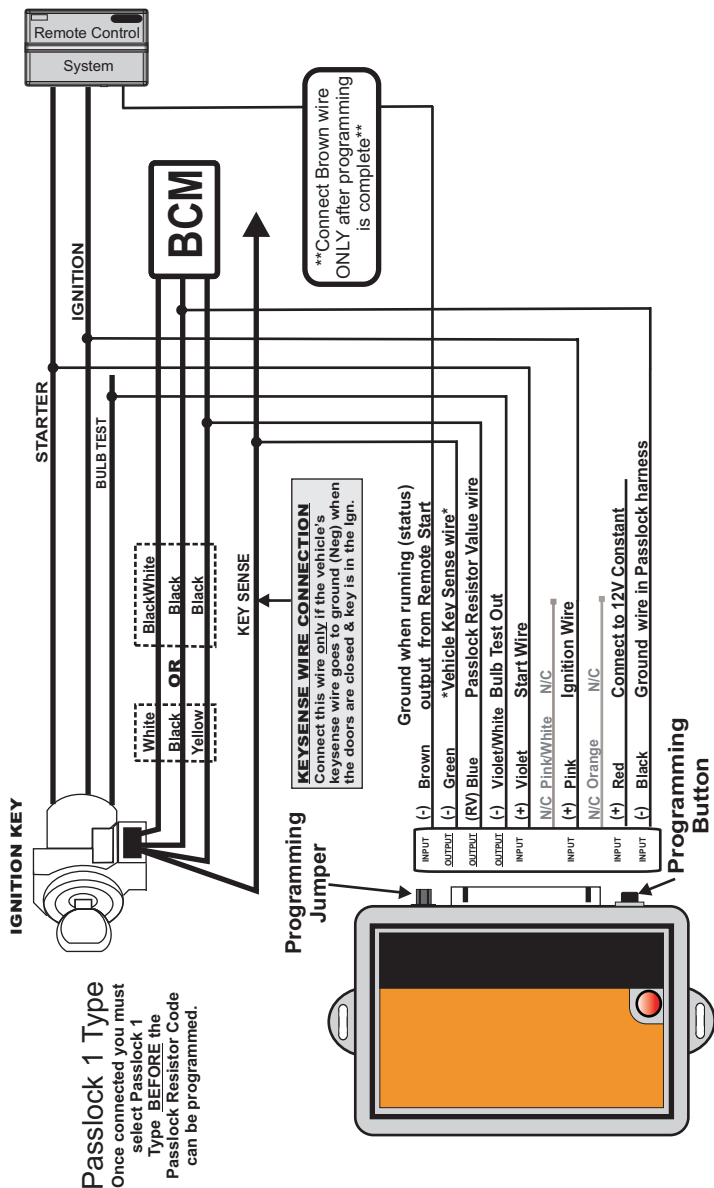
- A)** Start vehicle by key & HOLD in the START position. Do not release until programming is complete.
(Vehicle will NOT over crank.)
- Press & hold the programming button. LED will come on solid, then start to flash rapidly. Continue holding the button. Once the LED stops flashing, and returns to a solid LED, release button and turn the ignition to the OFF position.
- B)**
- C)** Passlock resistor Code is now programmed, connect brown wire to ground when running (status) output from remote starter and test bypasskit function by remote starting the engine.

NOTICE

In case of component failure, it is likely that the GM Passlock will enter into “Long Tamper” mode. This will prevent the vehicle from starting for a period of 10 minutes. In this event, turn key to the “ON” position and let vehicle rest until the GM Security light stops flashing.

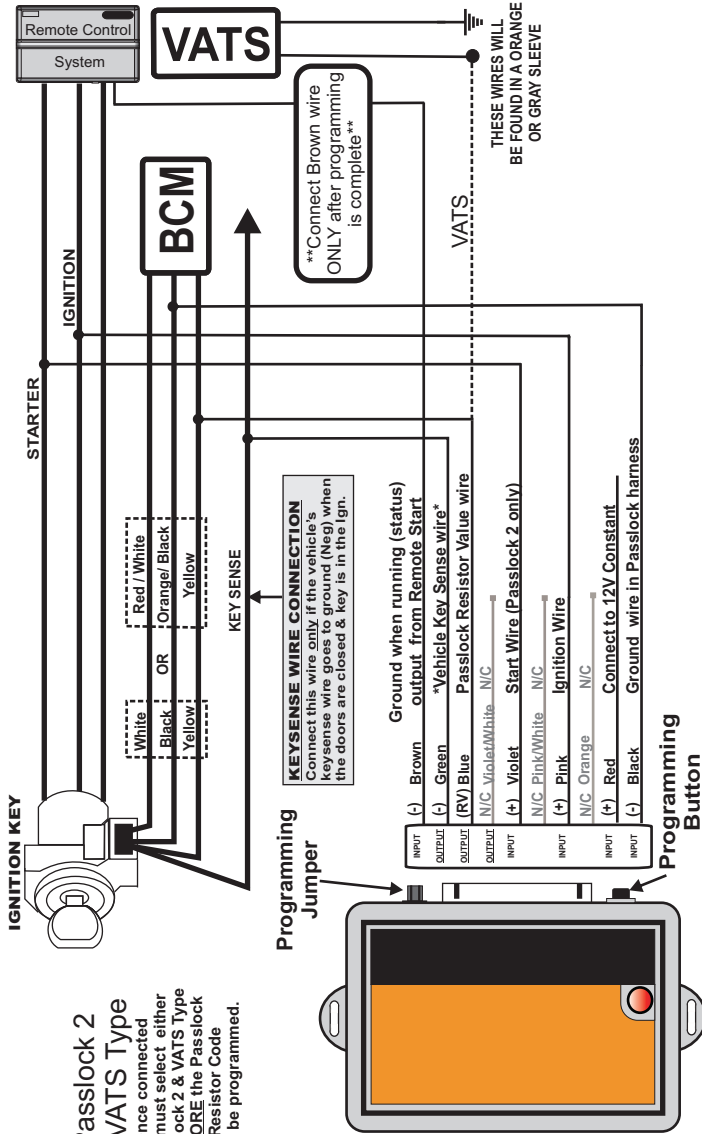
PASSLOCK 1 CONNECTION

OVERRIDE THE FOLLOWING GM PASSLOCK TYPES: PASSLOCK 1



PASSLOCK 2 & VATS CONNECTION

OVERRIDE THE FOLLOWING GM PASSLOCK TYPES: PASSLOCK 2 & VATS



INSTALLATION NOTES:
*The Equinox, Torrent and Vue up to 2007 are PASSLOCK 2 type even though it does not have a starter wire. Connect the start output wire of remote to the violet start input wire.

GM PASSLOCK 1 & 2, VATS & ION SELF LEARNING RESISTOR CODE INTERFACE

Application: All GM equipped Passlock 1 & 2 & VATS

STEP 1- PASSLOCK TYPE SELECTION

Once all Passlock wires have been connected, you must **SELECT** the proper **PASSLOCK TYPE** before proceeding to **STEP 2 -PROGRAM RESISTOR CODE**. Select one of the 2 available **PASSLOCK** types.

Place jumper according to theft deterrent type being bypassed.



STEP 2- PROGRAM RESISTOR CODE

Connect Brown wire to remote starter only after **RESISITOR CODE** programming is complete.

A) Start vehicle by key.

B) Press & Hold Programming Button. LED will come on solid. Keep pressing until LED starts blinking. When LED is blinking release button and turn the ignition to the OFF position.

C) Passlock resistor Code is now programmed, connect brown wire to ground output from remote starter and test bypasskit function by remote starting the engine.

TECH NOTE:

If experiencing trouble programming, try:

A) Turn key to the ignition position, press on brake and place transmission into gear.

B) Now turn key to start position and release, continue with step "B" of previous programming.

(For manual transmission vehicles, put shifter in the **NEUTRAL** position and **DO NOT PRESS CLUTCH** when doing **STEP A & B**)

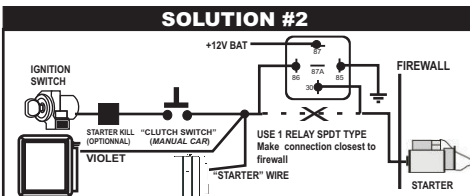
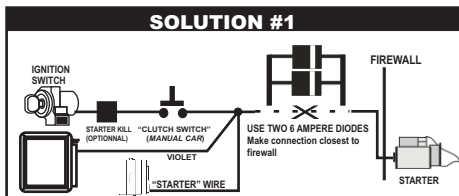
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ADDITIONAL INFORMATION (Tech Notes)

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 PLJX from functioning properly.

To test: Start vehicle and use a voltmeter 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).



LIMITED ONE-YEAR CONSUMER WARRANTY

For a period of ONE YEAR from the date of purchase of a Directed Electronics remote start or security product, Directed Electronics. ("DIRECTED") promises to the original purchaser, to repair or replace with a comparable reconditioned piece, the security or remote start accessory piece (hereinafter the "Part"), which proves to be defective in workmanship or material under normal use, provided the following conditions are met: the Part was purchased from an authorized DIRECTED dealer; and the Part is returned to DIRECTED, postage prepaid, along with a clear, legible copy of the receipt or bill of sale bearing the following information: consumer's name, address, telephone number, the authorized licensed dealer's name and complete product and Part description.

This warranty is nontransferable and is automatically void if the Part has been modified or used in a manner contrary to its intended purpose or the Part has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defect in materials or construction.

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This Interface kit / Data Bus Interface part has been tested on the listed vehicles. Other vehicles will be added to the select vehicle list upon completion of compatibility testing. Visit website for latest vehicle application guide. **DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the bypass kit / data bus interface part(s) be held liable for any consequential damages sustained in connection with the part(s) installation. The manufacturer and it's distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the interface kit / data bus interface part(s) other than its replacement. N.B.:Under no circumstances shall the manufacturer and distributors of this product be liable for consequential damages sustained in connection with this product and neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than the replacement of this product only.

PROTECTED BY U.S. PATENTS: 5,719,551; 6,011,460 B1; 6,243,004 B1; 6,249,216 B1; 6,275,147 B1; 6,297,731 B1; 6,346,876 B1; 6,392,534 B1; 6,529,124 B2; 6,696,927 B2; 6,756,885 B1; 6,756,886 B2; 6,771,167 B1; 6,812,829 B1; 6,924,750 B1; 7,010,402 B1; 7,015,830 B1; 7,031,826 B1; 7,046,126 B1; 7,061,137 B1; 7,068,153 B1; 7,205,679 B1; **CDM PATENT:** 2,320,248; 2,414,991; 2,415,011; 2,415,023; 2,415,027; 2,415,038; 2,415,041; 2,420,947; 2,426,670; 2,454,089 **EUROPEAN PATENT:** 1,053,128 **PAT. PENDING:** 2,291,306; **MADE IN CANADA**