



# COOL GUARD PLUS M910-01

## 2021CHEVY TAHOE INSTALLATION INSTRUCTIONS

### **American Aluminum**

[www.EZRiderOnline.com](http://www.EZRiderOnline.com)

3882 U.S. Hwy 19 South

Perry, Florida 32348

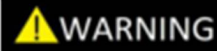
PH: 1-800-277-0869

Fax: (850)-584-8485

**\*Please read and fully understand assembly instruction before installing the unit\***

**For Assistance Call 1-800-277-0869**

Please review and double check the unit's Inventory checklist to make sure all components are included



**WARNING**

READ ANY AND ALL  
INSTRUCTIONS BEFORE  
CONDUCTING INSTALL /  
REPLACEMENT

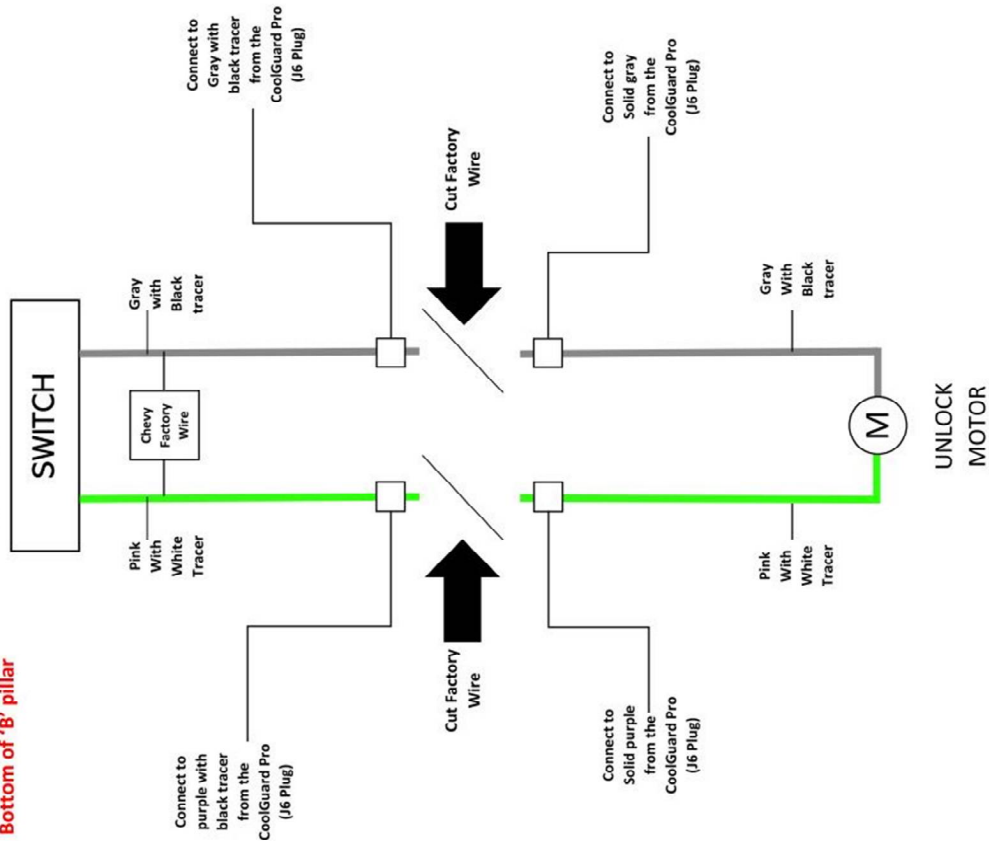
FAILURE TO FOLLOW  
INSTRUCTIONS CAN LEAD  
TO INJURY AND / OR  
DAMAGE OF PRODUCT

USE APPROPRIATE  
PERSONAL PROTECTIVE  
EQUIPMENT WHEN  
CONDUCTING INSTALL /  
REPLACEMENT

CONTACT AMERICAN  
ALUMINUM /CAMLOCKER AT  
(800) 277-0869 WITH ANY  
QUESTIONS BEFORE  
PROCEEDING

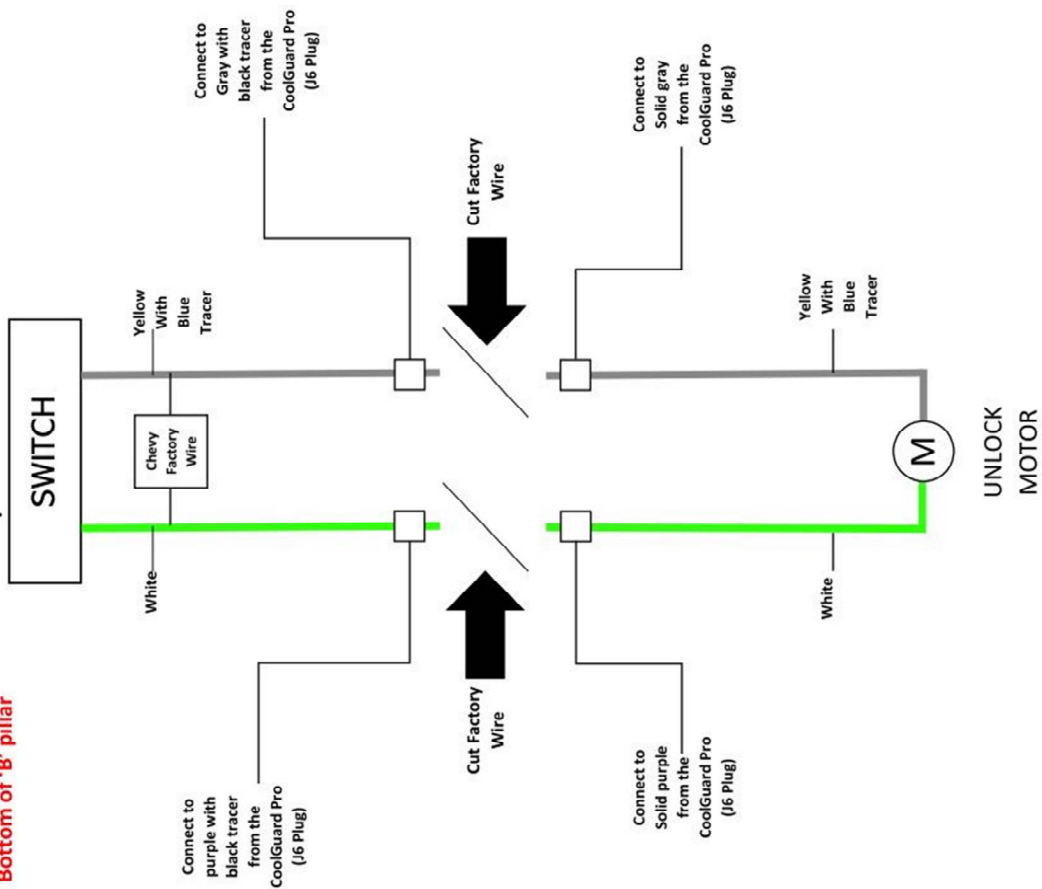
## Chevy Unlock Bypass Passenger | 2021 - Current

Make connection  
At  
Bottom of 'B' pillar

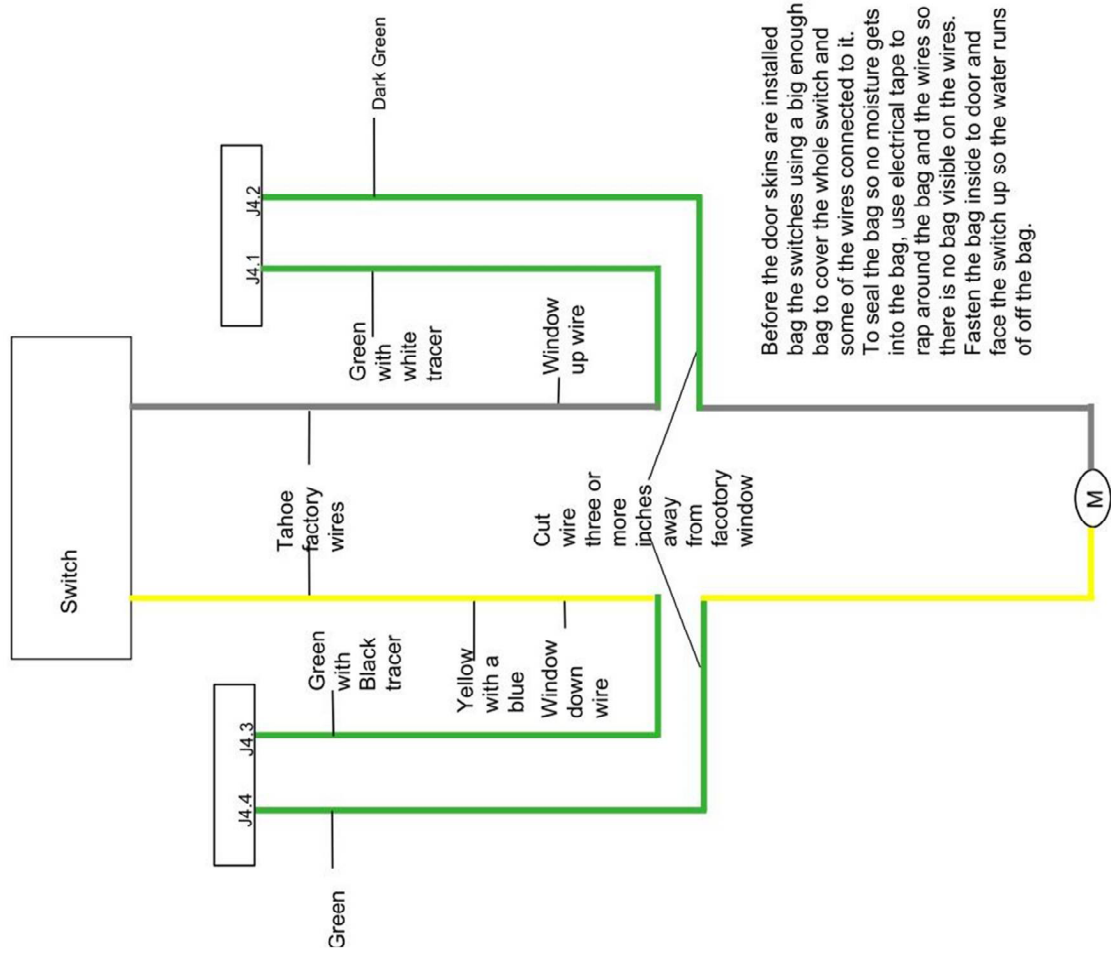


## Chevy Unlock Bypass Driver | 2021-Current

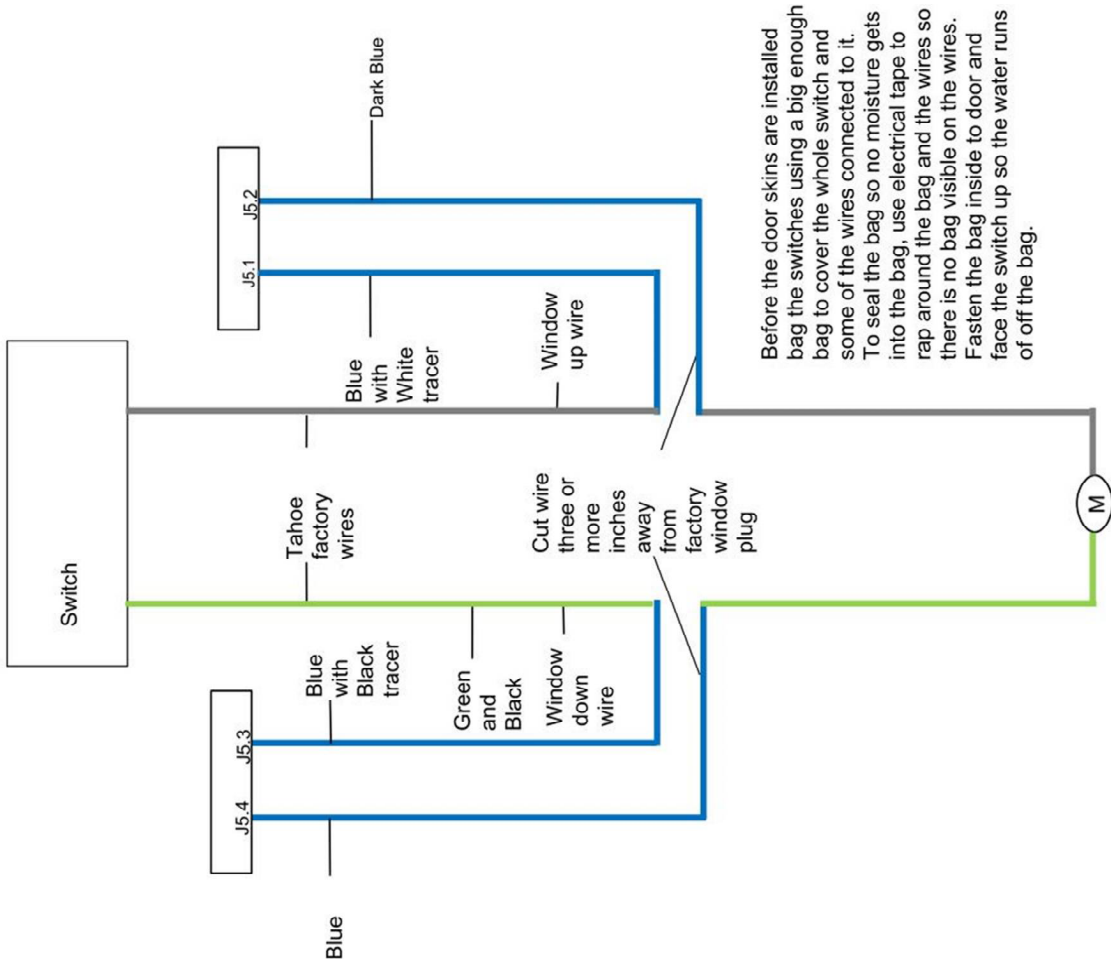
Make connection  
At  
Bottom of 'B' pillar



# J4 Harness Window Wiring Diagram



# J5 Harness Window Wiring Diagram



## How to Mount Solenoid

**Step 1:** Ensure the window is rolled up completely and remove the factory door skin. Locate the factory door latch cable.

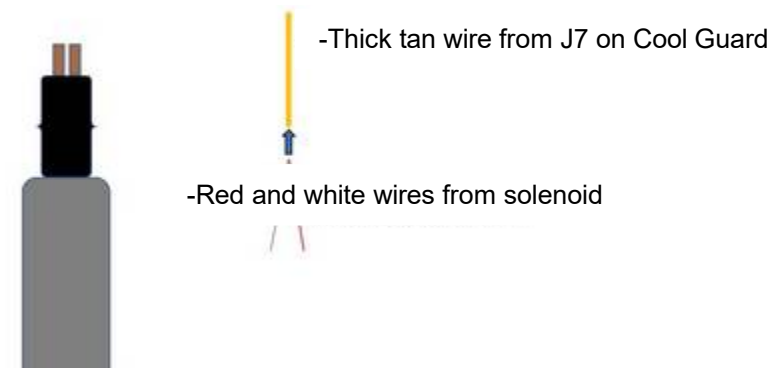
**Step 2:** Place the solenoid as indicated in Image A below and slide to the right till the solenoid hits the lip on the right side (Image B). Clearly mark the holes and drill them with a 1/4" drill bit while being mindful of objects within the door skin (wire harness, window tract etc.). Use the provided hardware to mount the solenoid to the inside of the door skin.



**Step 3:** Remove the chain from the end of the solenoid clevis rod while keeping the coupling and use the coupling to connect the ball on the door latch cable to the end of the clevis rod. Secure the door cable to the door by drilling a hole on both sides of the cable and use a zip tie or wire tie to affix the cable into place. Continue onto the wiring instructions below.

## How to Wire the Solenoid

- The thick tan wire connected to J7 on the PCM needs to be wired into both the Red and White wire (Power 1 and Power 2).
- The black wire on the Solenoid needs to be grounded to the chassis of the vehicle with a wire gauge of 12 or more.



Black wire = ground

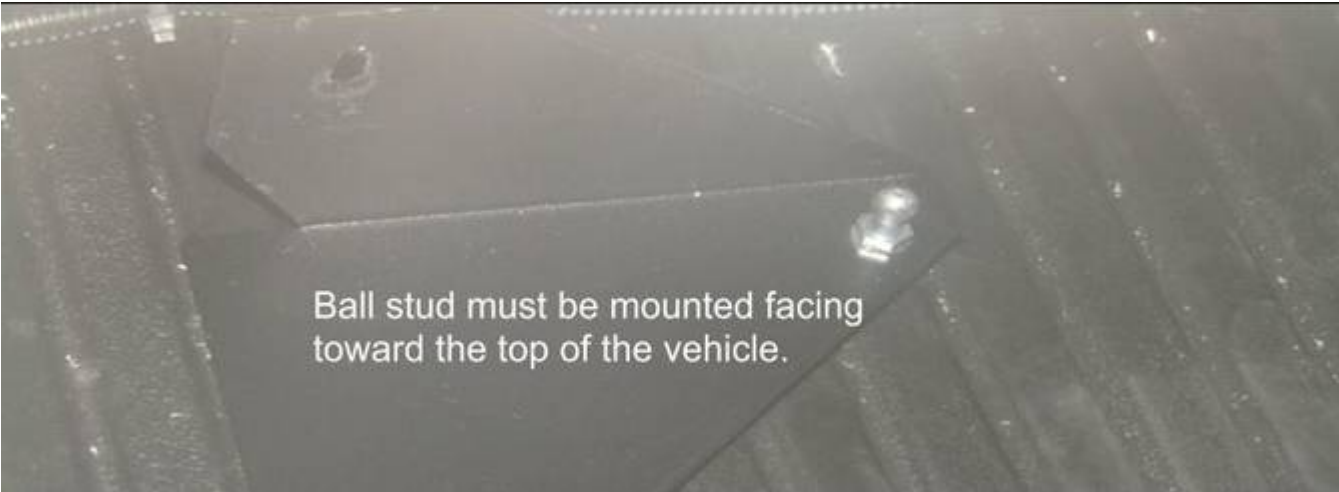
White wire = power 1

Red wire = power 2

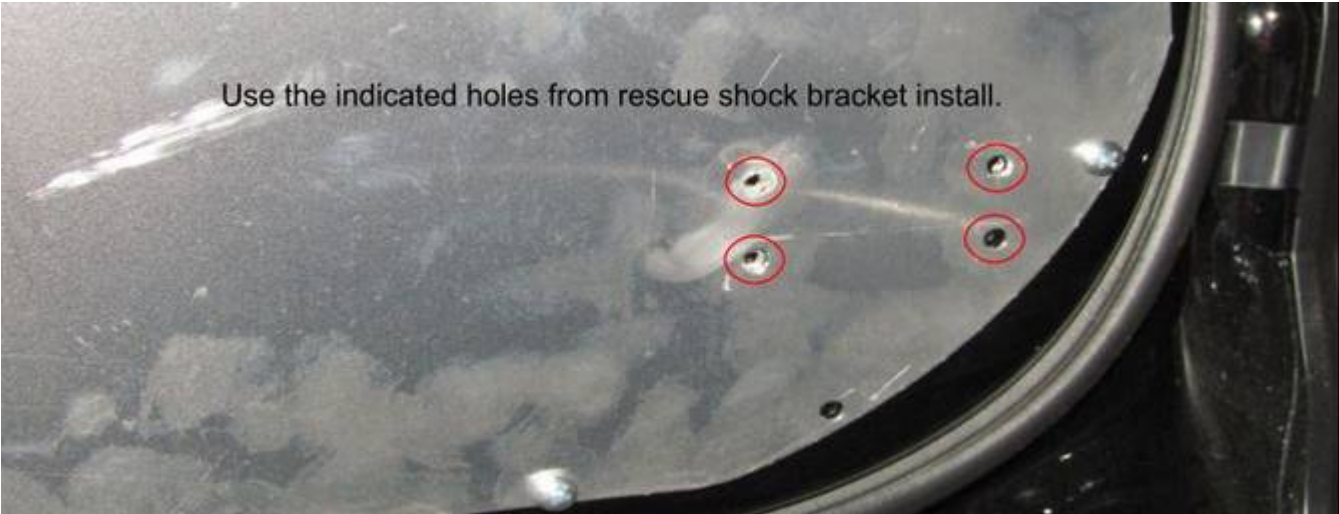
## Emergency Light Wiring

The emergency light function on the Cool Guard (J5) and (J6) both send a 12v 2a current. The wires can be connected to any input that can accept an output. All emergency lighting systems that have a way to connect to and is able to accept an output of power of 12v. \*Do not wire to an output, the wires cannot take any output to them\*






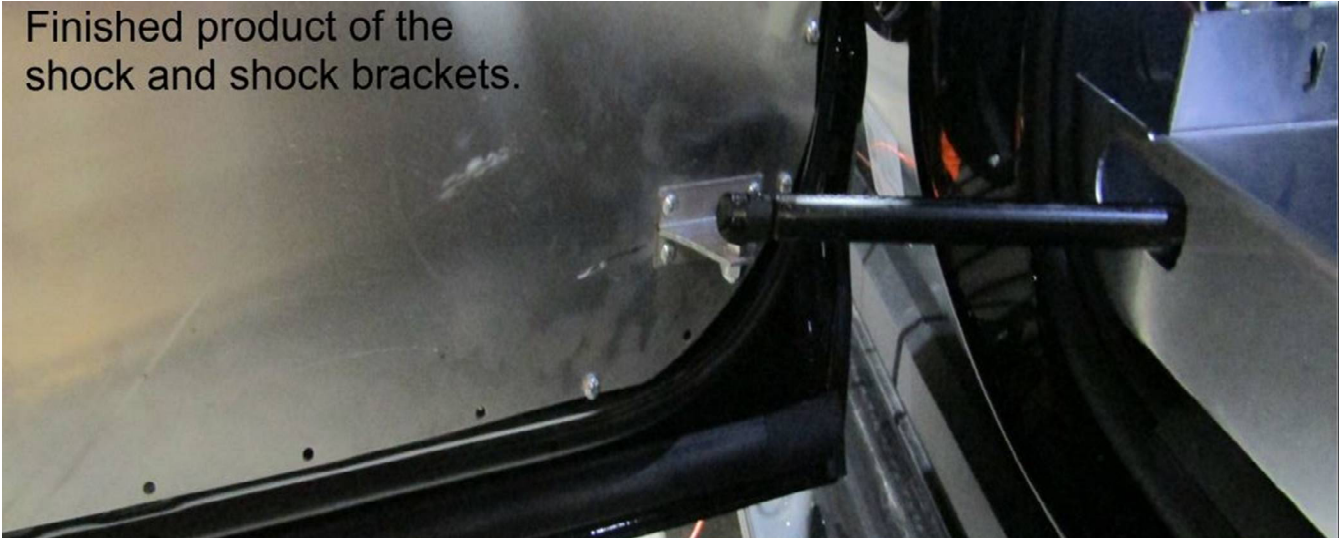
Ball stud must be mounted facing toward the top of the vehicle.



Use the indicated holes from rescue shock bracket install.



Shock bracket ball stud on door must be mounted facing the top of the vehicle.



Finished product of the shock and shock brackets.

## 2021 TAHOE WIRING DESCRIPTION

### Window Wires

- Driver side window down wire – **Yellow** with a **blue** tracer.
- Passenger side window down wire – **Green** with a **black** tracer

### Unlock bypass wires at B-pillar

- Unlock wire – **Blue** with **yellow** tracer
- Lock wire – Solid **white** wire

### PPV in console area and cargo area fuse panel

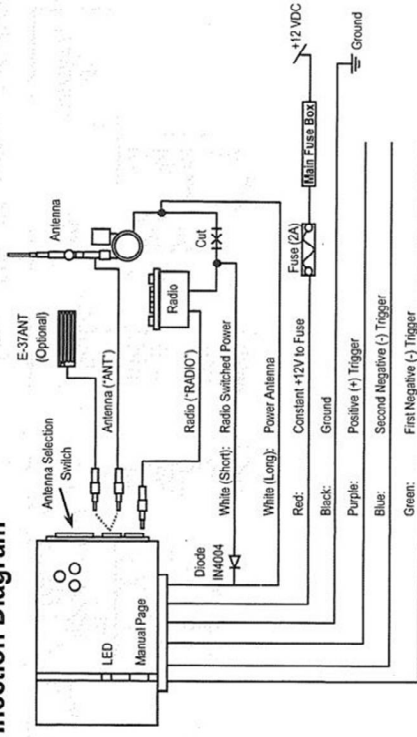
- Park kill / In gear disabler wire – **Yellow** with a **black** tracer
- Ignition sense wire – Solid **yellow**
- Horn loop wire – **Brown** with **white** strip

### Where to mount temperature probes

Mount the temperature probes as indicated where the arrows are pointing in the below picture (right shoulder of driver and left hip of passenger). To mount the probes, use the supplied wire clamp and self-tapper's to screw the clamp into the cage to secure the temp probes. When mounting the probes make sure that the tip and cable are out of the way of sliding door and out of the dogs reach so that they cannot be chewed on. We recommend this place to get a low and high temperature reading of the vehicle.







## Connection Diagram



## Programming

The receiver must learn the transmitter's code before it can receive signals from the transmitter. The receiver can learn the page codes of up to 3 transmitters.

1. Turn the receiver OFF. Then press and hold the  /OFF switch and slide it to the  position. Continue holding for 3 seconds until the receiver beeps once. This means the receiver is ready to learn the page code of the first transmitter.
2. The PAGE LED will flash GREEN at a steady rate. The ZONE LED will be solid ORANGE. Press the manual page button on the transmitter. This will send the page signal to the receiver. The receiver will beep twice and the LEDs will turn off to indicate the code has been learned. The receiver will beep five times in four minutes if no code is learned.
3. To learn a second (or third) transmitter, repeat step 1 then press down on the  /OFF switch once. The PAGE LED will begin flashing RED for the second transmitter and ORANGE for the third transmitter.
4. Press the manual page button on the second (or third) transmitter. The receiver will beep twice and the LEDs will turn off to indicate the page code has been learned. The receiver will beep five times in four minutes if no code is learned.
5. If no additional transmitters need to be learned then move the  /OFF switch back to the OFF position.

Notes:

- The receiver remembers the transmitter codes in EEPROM memory even without power for over one year. The receiver does not need to re-learn the transmitter codes after battery replacement.
- Only one of each transmitter ID may be learned at a time. For example, if a green transmitter is already programmed and a new green transmitter is learned, the previous green transmitter will no longer work.

# Universal park kill/ drive disable wires

**METER TO VERIFY INGEAR  
FUNCTION BEFORE  
CONNECTING!!!**

Tahoe PPV-yellow and black in PPV harness, sends +12VDC in park  
Tahoe civilian package-white with gray racer in middle plug at BCM, sends +12V in gear

Interceptor Explorer and Sedan Interceptor - green wire in 14 pin harness, sends +12VDC in gear

Both F150 and expedition-green wire in four pin harness under steering column, sends +12VDC in gear

Charger PPV- brown with yellow on PPV harness, +12VDC in gear

Dodge Durango- blue with yellow passenger side under glove box against interior of fire wall, +12VDC

Dodge 1500- yellow with blue at firewall in PCM plug, +12VDC in gear +