



COOL GUARD PLUS M910-01

2019 DODGE CHARGER INSTALLATION INSTRUCTIONS

American Aluminum

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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

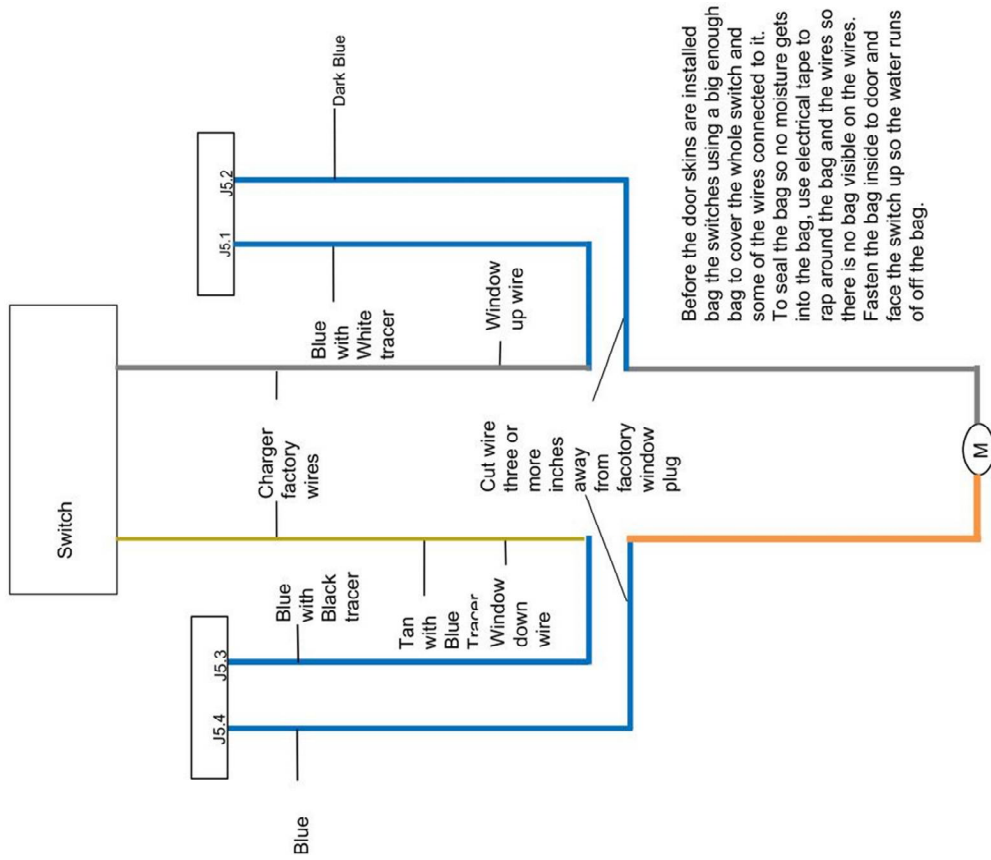
READ ANY AND ALL
INSTRUCTIONS BEFORE
CONDUCTING INSTALL /
REPLACEMENT

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

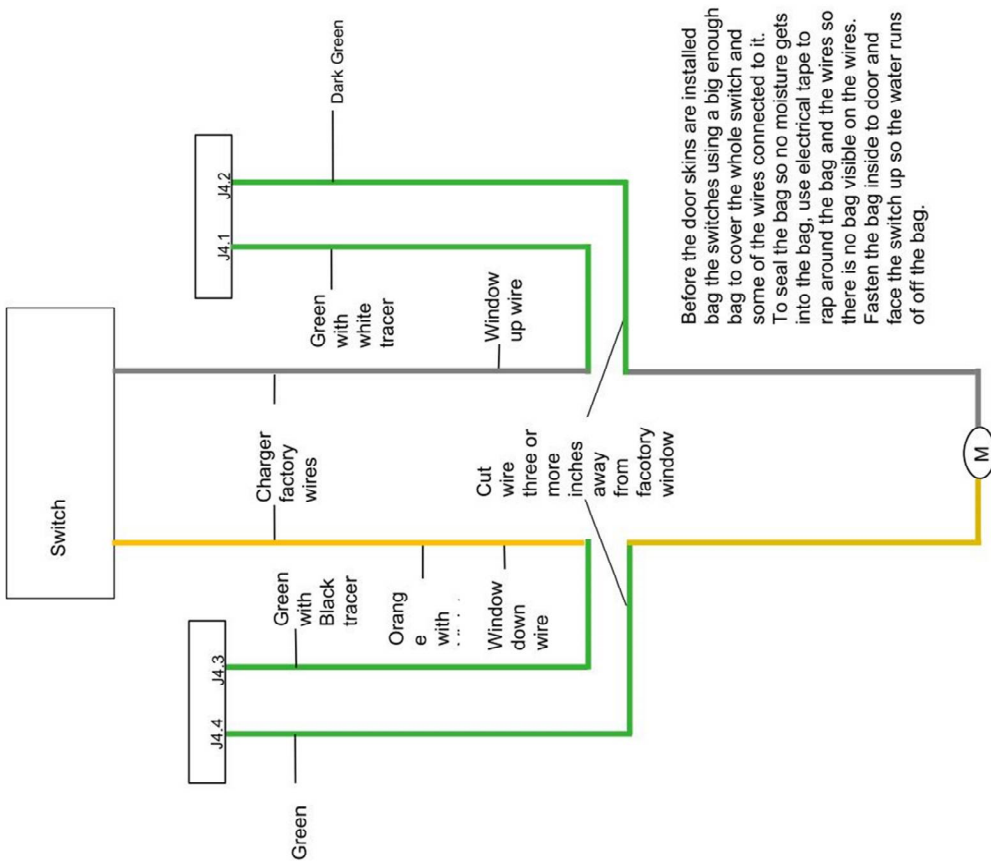
USE APPROPRIATE
PERSONAL PROTECTIVE
EQUIPMENT WHEN
CONDUCTING INSTALL /
REPLACEMENT

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

J5 Harness Window Wiring Diagram



J4 Harness Window Wiring Diagram



Window Wires for Cool Guard Function

2018-Current

Charger – In door at motor – Pull green pair of wires from J4 plug on Cool Guard Pro to passenger window motor and blue pair from J4 plug on Cool Guard Pro to driver window motor / rear driver motor.

Before the door skins are installed bag the switches and some of the wires connected to it. To seal the bag

Rear Driver Window

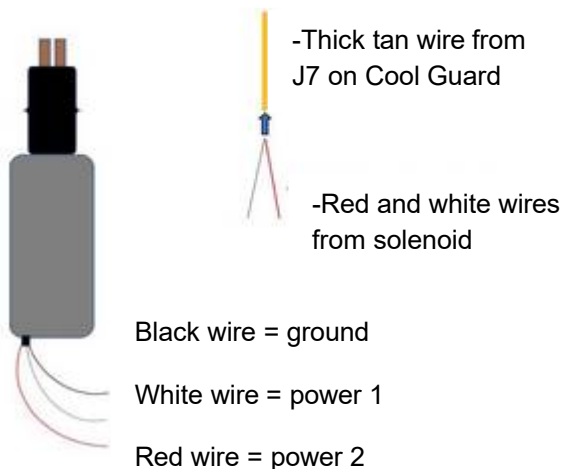
At rear driver window motor, cut the tan with a blue tracer three (3) inches from the factory window motor (factory charger wire). Connect the solid blue wire from the Cool Guard Pro to the window motor side and connect the blue with black tracer to the window wire side going away from the motor.

Rear Passenger Window

At the rear passenger window motor, cut the orange with purple tracer three (3) inches from factory window motor (factory charger wire). Connect the solid green wire from Cool Guard Pro to window motor side and connect the green with black tracer to window wire side going away from the motor.

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.



Emergency Light Wiring

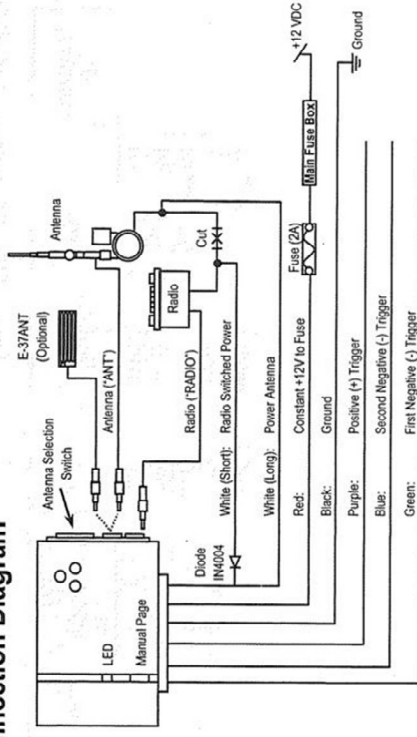
The emergency light function on the Cool Guard (J5) and (J6) both send a 12v 2a current. The wires can be connected to any input that can accept an output. All emergency lighting systems that have a way to connect to and is able to accept an output of power of 12v. *Do not wire to an output, the wires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

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.
2. The PAGE LED will flash GREEN at a steady rate. The ZONE LED will be solid ORANGE. This means the receiver is ready to learn the page code of the first transmitter.
3. 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.
4. 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.
5. 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.
6. 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 +