

Instructions



C-OPP711 **Officer Protection Package** **2021 Dodge Charger Pursuit** **2021-2023 Dodge Durango Pursuit**

System Operation

The C-OPP711 for was developed for the FCA Officer Protection Package and uses the Dodge ParkSense rear park assist system and ParkView rear backup camera to inform an officer if anyone is behind the vehicle. Anytime Protection Mode is active, the ParkSense rear park assist system (**Durango Only**), and the ParkView rear backup camera will be turned on. If any of the sensors are tripped while in Protection Mode, the system will lock all of the doors, the front windows will roll up, the reverse lights will turn on, the tail lights will flash On/Off, and a chime indicating a sensor has been tripped will sound.

IMPORTANT—READ BEFORE INSTALLATION

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers. Avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Avoid radio frequency energy from antennas or inverters next to the module. Avoid high voltage spikes in vehicle wiring by always using diode clamped relays when installing upfitter circuits.

Installation Instructions

Disconnect vehicle battery before proceeding with installation.



WARNING
Disconnect the battery to
prevent setting a check engine
light.

Instructions

OPP Module

2021 Dodge Charger

Remove the lower dash panel below the steering column and find a suitable location to mount the module. Do not mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module. Mount the module in an area away from any external heat sources (engine heat, heater ducts, etc.), Route the harnesses such that the tilt steering column does not contact them in the full down position. When installing the harnesses, leave several inches of take-out in order to remove the module if necessary.

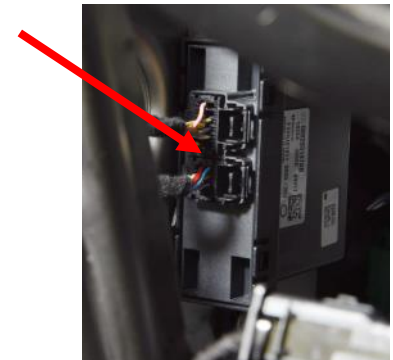
Mount the module with screws or cable ties. Ensure the module can not become loose and interfere with the driver or vehicle controls. Do not rely on double sided tape as the only method of attachment.



Gateway location on Charger

Data Link Harness—8-Pin Connector (2021 Dodge Charger)

1. Locate the vehicle's Gateway module located next to the BCM and above the Parking Brake.
2. Remove the 12-pin and 8-pin connectors from the Gateway module and plug in the 12-pin and 8-pin connectors from the Intermotive C-OPP711 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-OPP711 Data Link harness.
3. Plug the free end of the Data Link harness into the mating 8-pin connector.



Gateway Module

2021 Dodge Durango

The Gateway module is located in the passengers side of the vehicle, find a suitable location to mount the OPP module. The OPP's data link harness T's into both an 8 pin and 12 pin connector on this gateway module.

Place the module in an area away from any external heat sources (engine heat, heater ducts, etc.). Do not mount the module until all post installation testing is complete and wire harnesses are routed and secure.

Data Link Harness—8-Pin Connector (2021 Dodge Durango)

1. Locate the vehicle's Gateway module located on the left side of the glove **Gateway location on Durango** box.
2. Remove the 12-pin and 8-pin connectors from the Gateway module and plug in the 12-pin and 8-pin connectors from the Intermotive C-OPP711 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-OPP711 Data Link harness.
3. Plug the free end of the Data Link harness into the mating 6-pin connector on the C-OPP711 module.



Gateway Module

Instructions

Officer Protection Mode

Introduction

Officer Protection Mode uses the ParkSense rear park assist and ParkView rear backup camera systems equipped in the Charger. If any of the sensors detect a presence while in Protection mode, the vehicle will chime indicating which sensor was tripped, and then the OPP will lock the doors and roll the driver and passenger windows up.

OPP Detected Output

- The Orange wire (Pin 4 of the Black 4 pin connector) is an optional connection that will output +12 Volts when the ParkSense rear park assist system sensors are tripped. It can be connected to another warning indicator such as a lightbar and/or siren. **An installer supplied control relay (diode Clamped coil) must be installed between the module and the warning indicator.**

OPP Discrete Input (optional)

- The Blue wire (Pin 4 of the White 4 pin connector) is an optional connection that can activate Protection mode if the AUX buttons are not desired. A momentary ground signal must be used. See page 5 to enable this input.

Protection Mode Operating Instructions :

To enter Protection Mode, press the AUX 1 button and have ALL of the following preconditions met:

- Ignition in the Run position.
- Transmission must be in Park.
- All doors must be closed.
- Service brake must not be applied.

The ParkView rear backup camera will turn on when Protection Mode is active.

When the ParkSense rear park assist system detects an object, the module will lock all the doors, roll the driver and passenger windows up, turn on the reverse lights, and flash the tail lights.

To exit Protection Mode, any one of the conditions below may be applied:

- Driver door is opened.
- Service brake is pressed.
- Transmission cycled out of Park.
- Press the AUX 1 button. Note: the ParkSense display on instrument cluster is only available on the Durango.



Instructions

Toggle OPP Features

1. Put the ignition in the run position with the engine off.
2. Press the red test button five times on the module to enter diagnostics page 5. Status LED will Flash 5-5 .
3. Apply the parking brake and open the driver door.

Select Feature by:

- To toggle **Windows Up** feature put it in **PARK** .
 - To toggle **Door Locks** Feature put it in **REVERSE** .
 - To toggle **Reverse Lights** Feature put it in **NEUTRAL** .
 - To toggle **Brake Lights** Feature put it in **DRIVE** .
4. To toggle feature **On/Off**: Cycle the Cluster Backlighting on/off 4 times within 5 seconds (photo below).
 5. All LED's will flash once for confirmation.
 6. Verify LED associated with the feature has changed. LED on = Enabled, LED off = Disabled.

Repeating this procedure will toggle feature.

NOTE: Gear Selector position only selects which feature to toggle On/Off. Cycling the cluster backlighting in Step 4 toggles the feature On/Off.



How to turn OFF Cluster Backlighting



Rotate the left dimmer control to the extreme bottom OFF position.

Page 5 Diagnostics (Flashes 5-5)

LED #	Diagnostic Mode LED Descriptions
1	Windows Up Feature
2	Door Locks Feature
3	Reverse Lights Feature
4	Brake Lights Feature

Instructions

Change OPP Input Trigger

The OPP input is defaulted to AUX 1. The following procedure must be performed to change the OPP input to AUX 2, AUX 3, AUX4 or Discrete input (Blue Wire):

1. Have the key in RUN and the engine OFF.
2. Press the red test button the module four times to enter Diagnostic page 4 and verify the Status LED flashes 4-4
3. Open the Driver's door.
4. Press the Service Brake four times within a 5 second window.
5. ALL LED's will start flashing;
6. At this point there is a one minute window to choose the OPP input.
7. Press the desired AUX button or ground the blue wire to set the OPP input.
8. Verify the correct LED is on
AUX1 = LED1
AUX2 = LED2
AUX3 = LED3
AUX4 = LED4
Discrete Input = LED's 1-4 OFF



Page 4 Diagnostics (Flashes 4-4)

LED #	Diagnostic Mode LED Descriptions
1	AUX1 set as OPP input
2	AUX2 set as OPP input
3	AUX3 set as OPP input
4	AUX4 set as OPP input

Instructions

Officer Protection Mode Post Installation Instructions

Perform the following tests before mounting the module, to allow viewing of the diagnostic LED's, if needed. Preferably test with two people so one person can activate the rear sensors.

Always have Key in Pocket when testing.

- With the ignition in Run, place the vehicle in Park, close the driver door, and do not apply the Service brake.
- Roll the driver and passenger door windows all the way down and unlock doors.
- Press the AUX 1 button. **Note:** the ParkSense display on instrument cluster is only available on the Durango.
- Have one person trip the ParkSense rear park assist sensors by walking behind the vehicle.
- Verify that the windows go up and all doors lock.
- Verify the reverse lights are on solid and the tail lights are flashing On/Off.
- Verify there is +12 volts on the Orange wire.
- To exit Protection Mode, shift out of Park or apply Protection Mode input.
- Verify Tail lights are off.

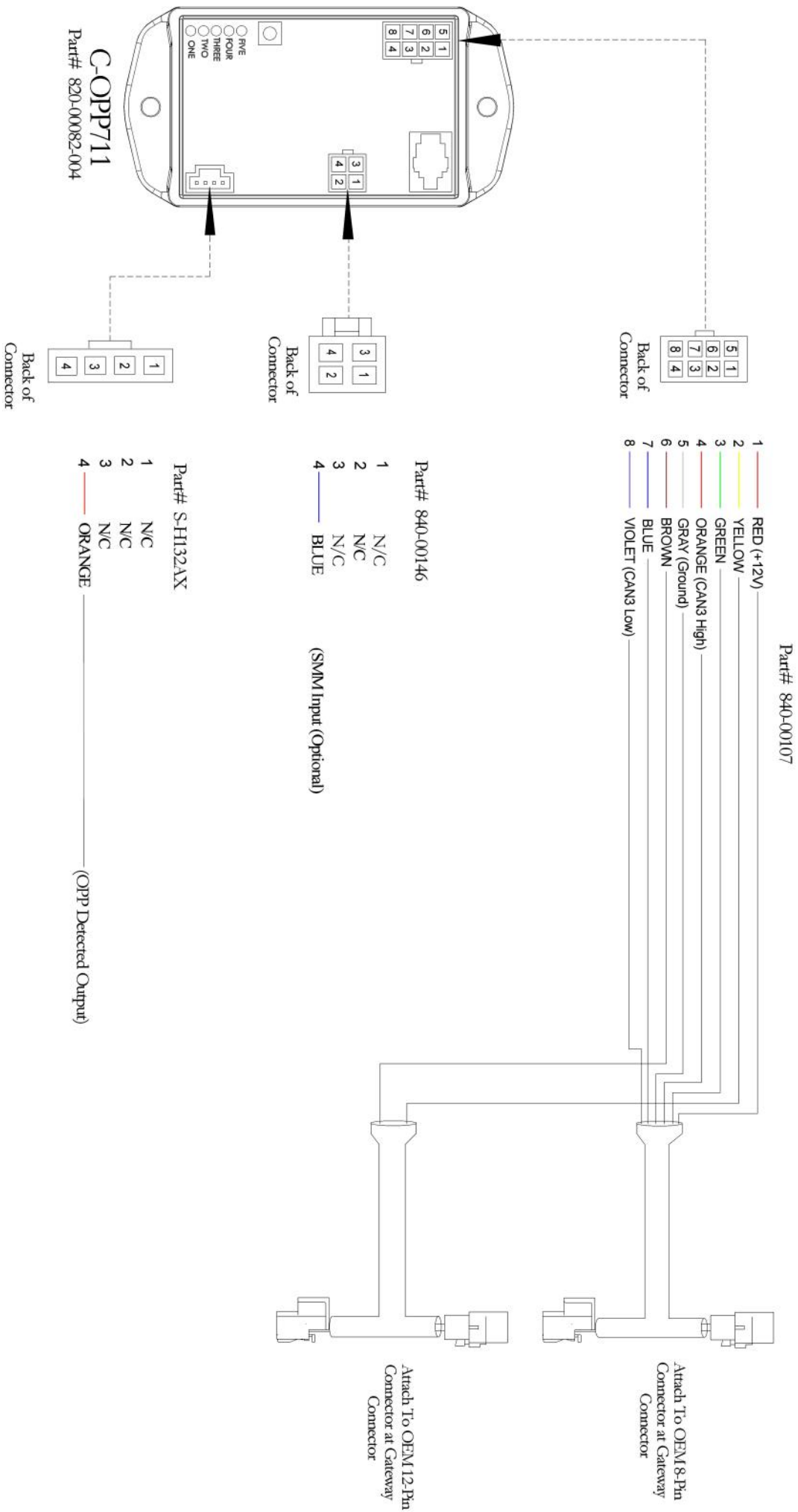
Officer Protection Mode Diagnostics

Diagnostic mode is entered by pressing the red test button on the module. The module provides diagnostic LEDs which illuminate according to the following table. To exit this mode, cycle the key.



LED #	Page 1	Page 2	Page 3	Page 4	Page 5
1	IM use	OPP Active	SB applied	OPP Input = AUX 1	Windows enabled
2	IM use	TR not in Park	Not Used	OPP Input = AUX 2	Locks enabled
3	IM use	VSS > 2	Belt Buckled	OPP Input = AUX 3	Reverse enabled
4	IM use	Door Open	CAN normal	OPP Input = AUX 4	Brake enabled

For any questions or issues regarding the Protection Mode Module, please contact InterMotive at 1-800-969-6080



Submit product registration at www.intermotive.net

If the OPP fails any step in the Post Installation Check List, review the installation instructions and check all connections. If necessary, call InterMotive Technical Support at (530) 823-1048.