C-SMM708 (Surveillance Mode Module)
2018 - 2020 Dodge Charger Pursuit

Introduction

The C-SMM708 for Dodge Charger 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 Surveillance Mode is active, the ParkSense rear park assist system and ParkView rear backup camera will be turned on. If any of the sensors are tripped while in Surveillance 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.

Installation Instructions
Disconnect vehicle battery before proceeding with the installation.

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

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.
It is important to avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Also avoid radio frequency energy from antenna's or inverters next to the module. Finally, avoid high voltage spikes in vehicle wiring by always using diode clamped relays when installing upfitter circuits.

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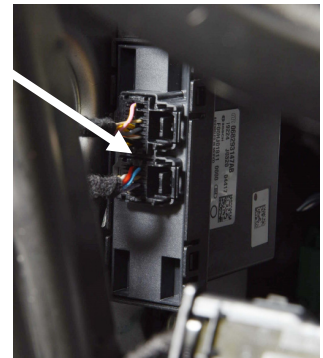C-SMM708-071519-INS

SMM Module

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.

Data Link Harness (6-pin connector)

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-SMM708 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-SMM708 Data Link harness.

3. Plug the free end of the Data Link harness into the mating 6-pin connector on the C-SMM708 module.

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Surveillance Mode

Introduction

Surveillance 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 Surveillance mode, the vehicle will chime indicating which sensor was tripped, and then the SMM will lock the doors and roll the driver and passenger windows up.

SMM 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.**

Surveillance Mode Operating Instructions :

To enter Surveillance 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 Surveillance 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.
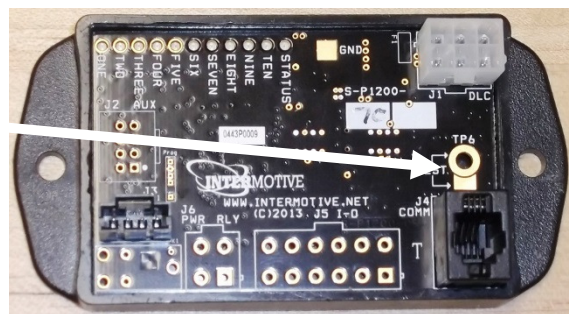
To exit Surveillance Mode, any one of the conditions below may be applied:

- Driver door is opened.
- Service brake is pressed.
- Transmission cycled out of Park.
- Press the AUX 1 button.

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Toggle SMM Features

1. Put the ignition in the run position with the engine off.
2. Short the two test pads twice on the module to enter diagnostics mode. Status LED will Flash 2-2 .
3. Apply the parking brake and open the driver door.
3. To toggle **Windows Up** feature put the transmission in **PARK .**
4. To toggle **Door Locks** Feature put the transmission in **REVERSE .**
5. To toggle **Reverse Lights** Feature put the transmission in **NEUTRAL .**
6. To toggle **Brake Lights** Feature put the transmission in **DRIVE .**
7. Cycle the Cluster Backlighting on/off 3 times within 5 seconds (photo below).
8. All LED's will flash once for confirmation.
9. Verify LED associated with the feature has changed. LED on = Enabled, LED off = Disabled. Repeating this procedure will toggle feature

How to turn OFF Cluster Backlighting

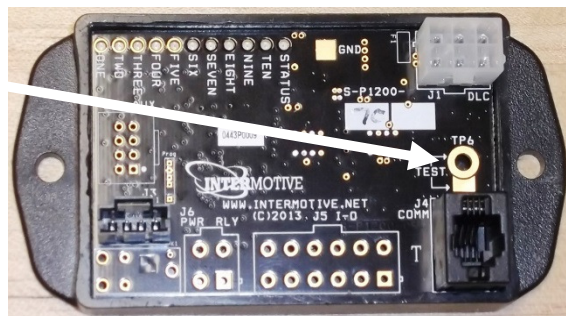Rotate the left dimmer control to the extreme bottom OFF position.

Page 2 Diagnostics (Flashes a 2-2)

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

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Change SMM Input Trigger

The SMM input is defaulted to AUX 1. The following procedure must be performed to change the SMM input to AUX 2 or AUX 3:

1. Have the key in RUN and the engine OFF.
2. Short the test pads on the module and verify the Status LED illuminates
3. Open the Driver's door.
4. Press the Service Brake four times within a 5 second window.
5. LED4 will start flashing; At this point there is a one minute window to choose the SMM input.
6. Press the AUX button to be the SMM input.
7. Verify the correct LED is on (AUX1 = LED1; AUX2 = LED2; AUX3 = LED3).

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Surveillance 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.
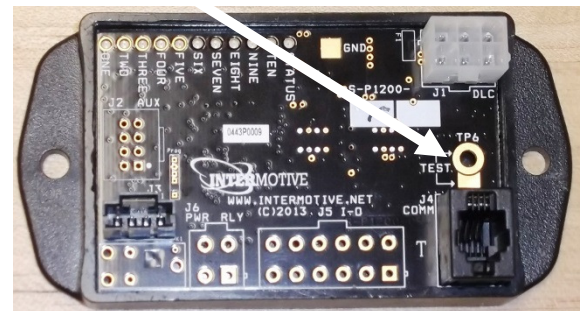**Always have Key in Pocket when testing.**

- 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.
- 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.
- To exit Surveillance Mode, shift out of Park or apply Surveillance Mode input.
- Verify Tail lights are off.
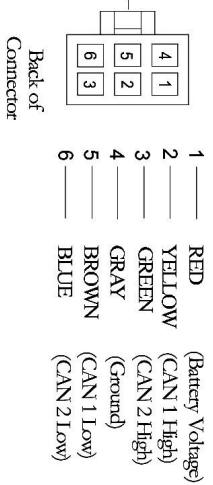
Surveillance Mode Diagnostics

Diagnostic mode is entered by shorting the two "Test" pads together on the module. The module provides diagnostic LEDs which illuminate according to the following table. To exit this mode, cycle the key.

LED #	Diagnostic Mode LED Descriptions
1	SMM Input = AUX 1
2	SMM Input = AUX2
3	SMM Input = AUX 3
4	Pat and Rub LED
5	Surveillance Mode Active
6	Transmission in Park
7	Vehicle Speed <= 2 MPH
8	Door Closed
9	Service Brake Released
10	Surveillance Mode input

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

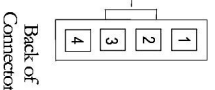InterMotive Inc.
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C-SMM708
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InterMotive Vehicle Controls
Made in USA

Status
TEN
NINE
EIGHT
SEVEN
SIX
FIVE
FOUR
THREE
TWO
ONE

Part# S-H133TAX

1 —— RED   (Battery Voltage)
2 —— YELLOW   (CAN 1 High)
3 —— GREEN   (CAN 2 High)
4 —— GRAY   (Ground)
5 —— BROWN   (CAN 1 Low)
6 —— BLUE   (CAN 2 Low)

Back of
Connector

Part# S-H132AX

1 —— N/C
2 —— N/C
3 —— N/C
4 —— ORANGE ——— (SMM Detected Output)

Back of
Connector

Attach To OEM 8-Pin
Connector at Gateway
Connector

Attach To OEM 12-Pin
Connector at Gateway
Connector

Submit product registration at www.intermotive.net

If the SMM fails any step in the System Operation Test, review the installation instructions and check all connections.
If necessary, call InterMotive Technical Support at (800) 969-6080