C-SMM760 (Surveillance Mode Module)
2018-2020 Dodge Durango Pursuit

Introduction

The C-SMM760 for Dodge Durango uses the Dodge ParkSense rear park assist system, Rear Cross Path detection 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, Rear Cross Path detection system, and the 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-SMM760-121919-INS

SMM Module

The Gateway module is located in the passengers side of the vehicle, find a suitable location to mount the SMM 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.

Gateway Module   Connector XY5020A

Data Link Harness (6-pin connector on module)
The 2018 Durango has a "Gateway" module connected to the OBDII connector. The SMM's data link harness T's into both an 8 pin and 12 pin connector on this gateway module.
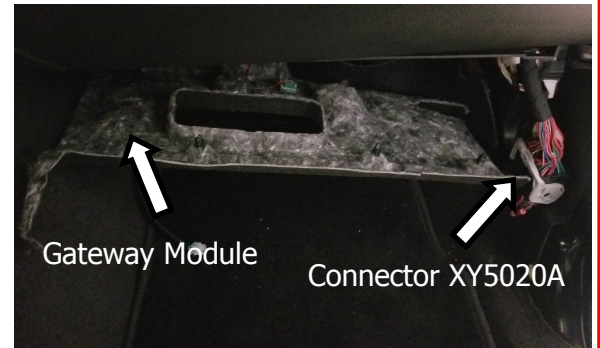
1. Locate the vehicle's Gateway module located on the left side of the glove box.

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-SMM760 Data Link harness. Plug the OEM 12-pin and 8-pin connectors into the mating connectors on the C-SMM760 Data Link harness.

3. Plug the free end of the Data Link harness into the mating 6-pin connector on the C-SMM760 module.
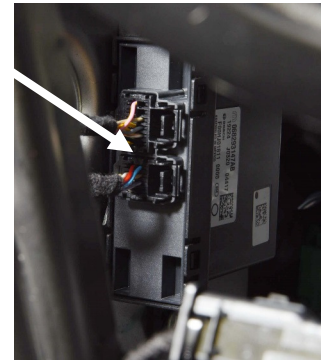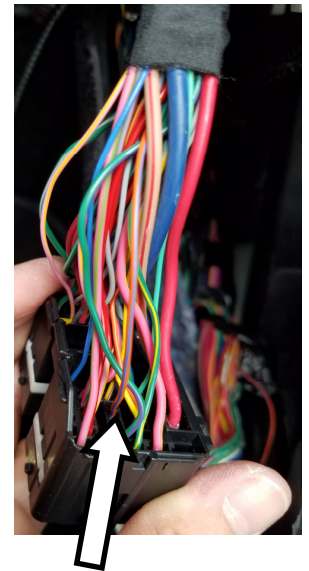

Durango gateway module with 8 & 12 pin connectors.

Required Wire Connection

The SMM760 must connect into the Orange/Blue wire on the inline connector XY5020A on the right hand side of the glove box. The side panel must be removed from to get to the connector. **Note: Must be installed for all features to work.**

1. Locate the Orange/Blue wire on connector XY5020A on the passenger side on the vehicle.

2. Cut the wire 3 inches **above** the connector.

3. Put the Ignition in Run position and confirm the steering wheel buttons do not work.

4. Attach the harness side of the Orange/Blue wire to the Orange/Blue wire on S-H132CX harness.

5. Attach the connector side of the Orange/Blue wire to the Blue wire coming from the S-H133TDXharness.

Orange/Blue wire on XY5020A

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Surveillance Mode Option (S)

Surveillance Mode can warn an officer if someone approaches the rear of the parked vehicle. It can close the windows, lock the doors, and chime when the sensors trip. It takes advantage of the Park Assist sensors in the Durango. Surveillance Mode is enabled by pushing a button while sitting in a stationary vehicle. When enabled, Surveillance Mode will turn on the backup camera and LCD display to provide the officer a view of the rear of his vehicle.

Surveillance Mode Input

• Center left button behind the steering wheel will enable Surveillance mode.

Surveillance Mode Status Output

• The Orange wire (Pin 11 of the 12 pin connector) is at 12 volts when Surveillance Mode is active (enabled).

Surveillance Mode Operating Instructions :

To enter Surveillance Mode, all of the following preconditions must be met:

• Transmission must be in park.

• Vehicle speed must be zero.

• All doors must be closed.

• Service Brake must NOT be applied.

• Momentarily apply +12 volts to Yellow/Black wire to enter Surveillance Mode.
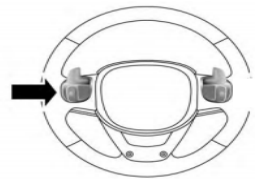
The reverse camera display will turn on when surveillance mode is active/enabled.

If the backup sensors detect an object the module will lock all the doors, roll the passenger and driver window up and toggle the reverse and stop lights.

To exit Surveillance Mode any condition may be applied:

• Driver door is opened.

• Service Brake is pressed.

• Transmission cycled out of park.

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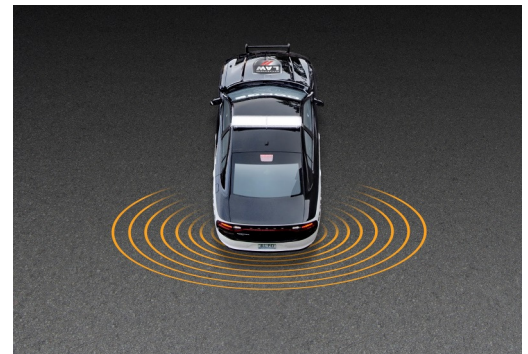
Surveillance Mode Post Installation Test

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 Fob in Pocket while testing to avoid being locked out of vehicle.

1. Sit in drivers seat with transmission in Park and drivers door closed. Do not apply the Service Brake.
2. Roll the driver and passenger door windows all the way down and unlock doors.
3. Enable Surveillance Mode by pushing button. (apply power to the Yellow/Black Surveillance Mode input)
4. Have another person trip the sensors by walking behind the vehicle.
5. Verify the system trips: the windows close, the doors lock, and the vehicle chimes.
6. Verify the Tail Lights are flashing.
7. To exit surveillance mode, push Service Brake, shift out of Park, or push the Surveillance Mode button.
8. Verify Tail lights are off.

Surveillance Mode Diagnostics

Diagnostic mode is entered by pressing the Test button on the module. The module provides diagnostic LEDs which illuminate according to the following table. To exit this mode, cycle the ignition to off. **For diagnostics for the SMM portion of the SMM module, momentarily press the Test button Two times. The Status LED will Flash 2 times repeatedly.**

LED #	Diagnostic Mode LED Descriptions
1	Surveillance Mode Active
2	Transmission in Park
3	Vehicle speed Less than 2 MPH
4	Door Closed
5	Service Brake released
6	Surveillance Mode Enable Input
10	Flashing Reverse Lights

Press Test button 2x to enter Diag. mode

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C-SMM760
Part# S-M1215-03

Back of
Connector

Part# S-H132CX

1 ——
2 ——
3 —— ORANGE/BLUE
4 ——

1 —— ORANGE/BLUE   (Harness Side of XY5020A (See Instructions - Page 2)
2   Not Used

Back of
Connector

Part# H651X

1   Not Used
2   VIOLET
3   Not Used
4   BLUE

Back of
Connector

Part# S-H154HX

1 —— LIGHT GREEN/DARK BLUE
2 —— BROWN
3 —— LIGHT GREEN
4 —— LIGHT GREEN/VIOLET
5 —— RED/WHITE
6   Not Used
7 —— RED
8 —— YELLOW
9 —— LIGHT GREEN/BROWN
10 —— BLUE/WHITE
11 —— ORANGE
12 —— RED

(SMM Detected Output)

Part# S-H133TDX

1   Not Used
2   Not Used
3   Not Used
4 —— ORANGE (CAN3 High)
5   Not Used
6 —— BLUE (Connect to BCM)
7   Not Used
8 —— VIOLET (CAN3 Low)

Back of
Connector

Part# S-H133TDX

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)

1 —— BLUE   (Connecter Side of XY5020A (See Instructions - Page 2)
2   Not Used

Attach To OEM 12-Pin
Connector at Gateway
Connector

Attach To OEM 8-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 (530) 823-1048