An ISO 9001:2015 Registered Company

IDG701 (IdleGuard™)
2016 - 2021 Dodge Charger Pursuit

Introduction
Dodge Charger Pursuit vehicles are all equipped with the Secure Park feature, which locks the column shifter in Park and allows the officer to remove the key fob with the engine running. This is enabled or disabled by pressing either button located on the back of the steering wheel.
The IdleGuard will automatically enable or disable the Secure Park feature based on the key fob location. The IdleGuard will also provide outputs to disable the gun rack, trunk release, or other equipment when the vehicle is in Secure Park.

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

Installation Instructions

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.

The IdleGuard module will be installed behind the passenger glove box and connected to the vehicle using two inline connectors. 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.

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IDG701-070721-INS

Removing the Glove Box

1. Open the glove box door and remove the support strap on the right side of the door.
2. Push in on the door stops and pull the box out.

3. Remove the side panel with prying tool.

4. Remove the 8 screws around the perimeter of the glove box.

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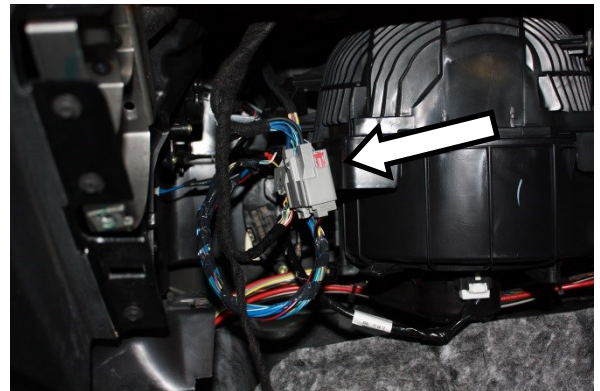
Removing the Glove Box

5. Pull out the glove box.

Plug and Play Harness

Locate the two gray in-line connectors behind the glovebox. The plug and play harness will use the 20-pin and 13-pin connectors mounted on the left side of the black plastic box.

1. Disconnect the 20-pin connector and plug the connectors from the IDG701 harness into the mating connectors.
2. Disconnect the 13-pin connector and plug the connectors from the IDG701 harness into the mating connectors.

IDG701 Mounting Location

Ensure all the harnesses are properly connected and routed, and are not hanging below the dash area. Mount the module as described on page one and secure using two screws or double sided tape.

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IdleGuard Post Installation Instructions

Perform the following tests before mounting the module to allow viewing of the diagnostic LED's, if needed.
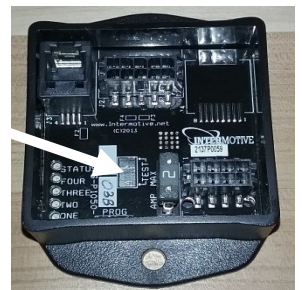
1. With the engine running, confirm Secure Park is off by shifting out of Park.
2. Place transmission in Park, step away from the vehicle with the Key Fob in hand and close the driver door. Confirm the "Secure Park Active" message is displayed on the instrument panel cluster.
3. Place the Key Fob on the roof of the vehicle.
4. Open the driver door, get in the driver seat, and confirm the shifter is locked in Park.
5. Grab the key fob on top of the roof, place it in your pocket. At this point the Secure Park should be disabled. Confirm by shifting out of Park.

DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS
Contact InterMotive at 1-800-969-6080 for technical assistance.

IdleGuard 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
Status	1-1
1	Internal use
2	Key Fob Request
3	Internal use
4	Internal use

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

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2016-2021 Dodge Charger Pursuit

Introduction

The IdleGuard for Dodge Charger will automatically enable or disable the Secure Park feature based on the key fob location.

Secure Park Output

- The Green wire (Pin 7 of the Black 10 pin connector) is an <u>optional</u> connection that will output +12 Volts rated at 1/2A. when the Secure Park is active. This can be used to open a relay that interrupts the trunk release wire or can be connected to an indicator light indicating that Secure Park is active.

IdleGuard Operating Instructions :

<u>Auto Enable</u>

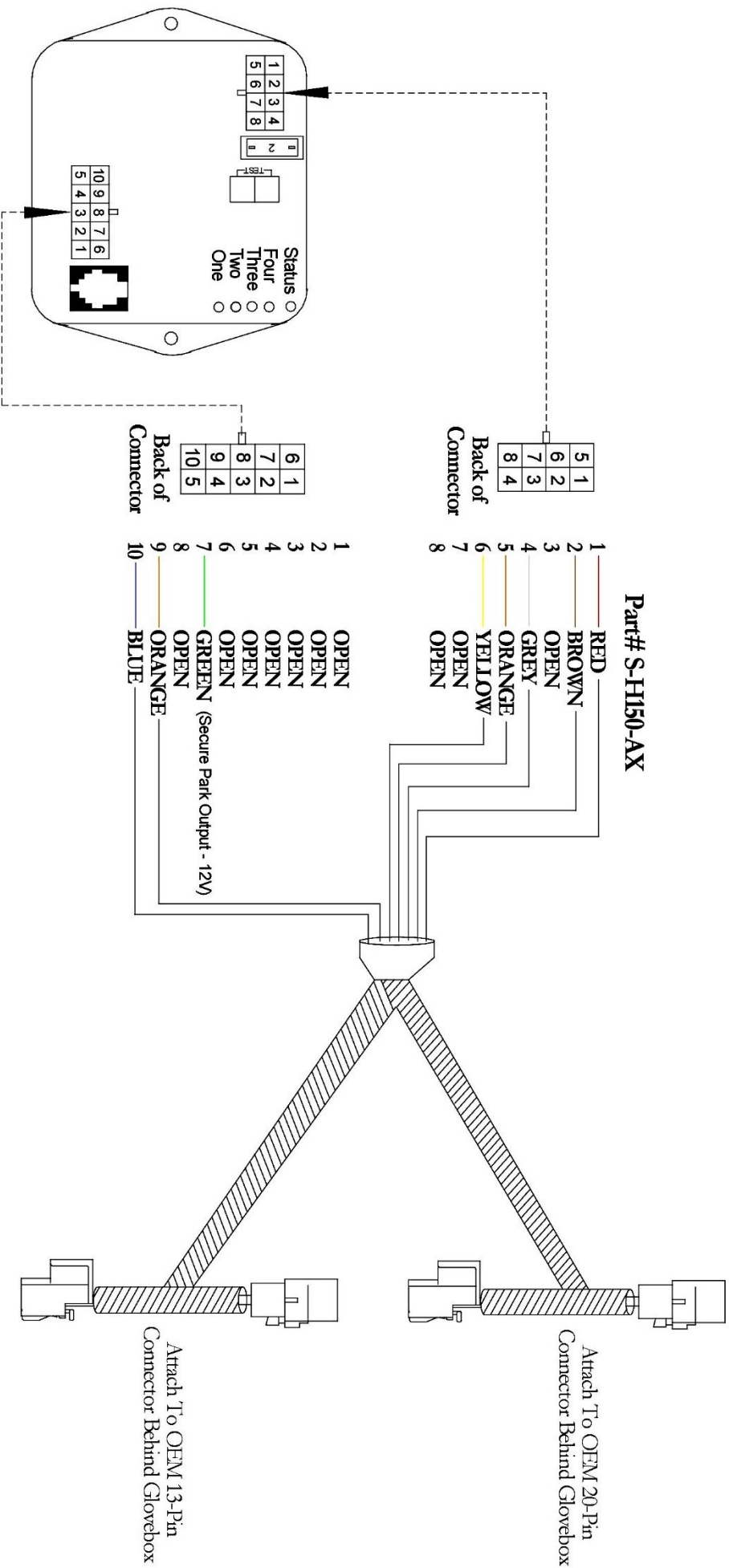Preconditions: Transmission in PARK, Engine running, Secure Park OFF.

- Every time the door is closed, IdleGuard will check the location of the key fob. If the fob is present, nothing will happen. If the fob is NOT present, IdleGuard will enable Secure park.
- If the door is left open, IdleGuard will check the key fob location every 10 seconds. Once IdleGuard determines the key fob has left, Secure Park will be enabled.

    Note: IdleGuard will stop checking once the key fob has left.

<u>Auto Disable</u>

Preconditions: Transmission in PARK, Engine running, Secure Park ON.

- Anytime the door is open, IdleGuard will check the key fob location every second. Once IdleGuard determines the key fob is present, Secure Park will be disabled.

    Note: IdleGuard will stop checking once key fob is present.

- If the service brake is pressed, IdleGuard will check the key fob for its location and if the key fob is present then IdleGuard will disable Secure Park
- If the seatbelt is bucked, IdleGuard will check the key fob for its location and if the key fob is present then IdleGuard will disable Secure Park.

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IDG701
Part# S-M1050-05

Status
Four
Three
Two
One

TEST

Back of Connector

Back of Connector

Part# S-H150-AX

1 — RED
2 — BROWN
3 — OPEN
4 — GREY
5 — ORANGE
6 — YELLOW
7 — OPEN
8 — OPEN

1 — OPEN
2 — OPEN
3 — OPEN
4 — OPEN
5 — OPEN
6 — OPEN
7 — GREEN (Secure Park Output - 12V)
8 — OPEN
9 — ORANGE
10 — BLUE

Attach To OEM 20-Pin Connector Behind Glovebox

Attach To OEM 13-Pin Connector Behind Glovebox

Submit product registration at www.intermotive.net

If the IDG701 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