

Instructions



A-AG401-A-11 AutoGARD

2022 ProMaster

Contact InterMotive for additional vehicle applications

Introduction

The A-AG401-A-11 prevents the vehicle from being shifted out of Park unless the driver presses and releases a button on or under the dash. An audible alarm will sound whenever the button is pressed. The vehicle will be able to shift out of Park for 10 seconds after the button has been released.

Installation Instructions

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 and solenoids when installing upfitter circuits.

CAUTION

All electronic products are susceptible to damage from Electrostatic Discharge or ESD. Ground yourself before handling or working with the module and harnessing by first touching chassis ground, such as the barrel of the cigarette lighter.



AutoGARD Module

Remove the lower dash panel below the steering column area and find a suitable location to mount the module so that the Diagnostic LED's can be viewed with the lower dash panel removed. Secure using 2-sided foam tape, screws or wire ties. Locate the module in an area away from any high heat sources. Do not actually mount the module until all wire harnesses are routed and secure (last step of the installation is to mount the module).

Instructions

Shift Lock AutoGARD Switch Harness (Part #840-00151)

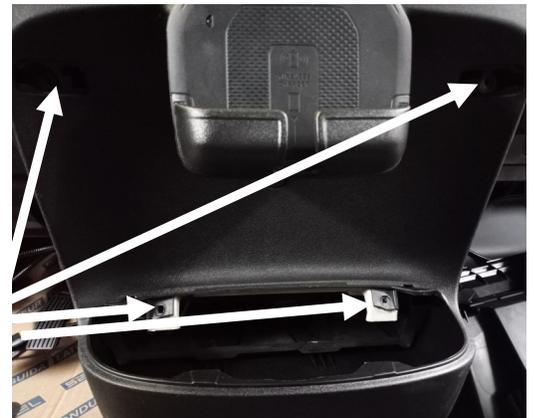


1. Drill a 0.500" inch hole in a location that is close enough to the shifter to be accessed with one hand while the other hand reaches the shifter.
2. Unplug the 2-pin Black connector from the harness and route the connector through the previously drilled hole.
3. Install the button in the hole.
4. Plug the mating Black connectors together and then plug the 4-pin Molex connector into the mating connector at the AutoGARD module.

AutoGARD Shift Lock Harness (part #840-00277)

Shift Lock Connection

1. Remove the four screws from the lower center panel below the shifter. It will be necessary to remove the cup holder to access the lower 2 screws.
2. Remove the lower center panel by firmly grasping the panel and pulling toward the rear of the vehicle.



Instructions

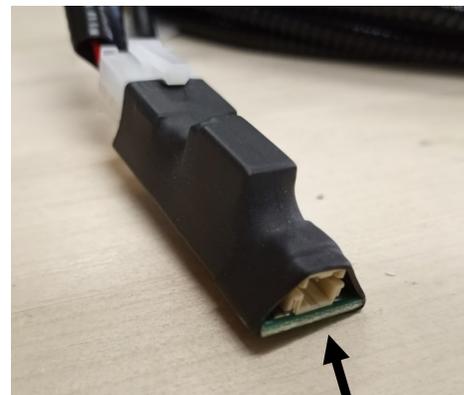
Shift Lock Connection (Continued)

3. The A-AG401-11 kit provides a "T" Shift Lock harness which must be installed between the OEM harness and the shifter PCB. Locate the OEM 2-pin shift lock solenoid connector (located on the underside of the shifter). There is a layer of foam that will need to be repositioned to locate the connector and it may be necessary to cut an OEM zip tie. Pinch the connector tab, unplug it, and insert it into the A-AG401-11 mating connector. Plug the A-AG401-11 male connector into the OEM shift lock solenoid connector on the PCB.



View from floor looking up at underside of transmission shifter PCB. Arrow points to the 2 pin Shift Lock Harness.

4. Route the shift lock harness 10-pin connector over to where the module will be installed and plug the white 10-pin connector into the module.



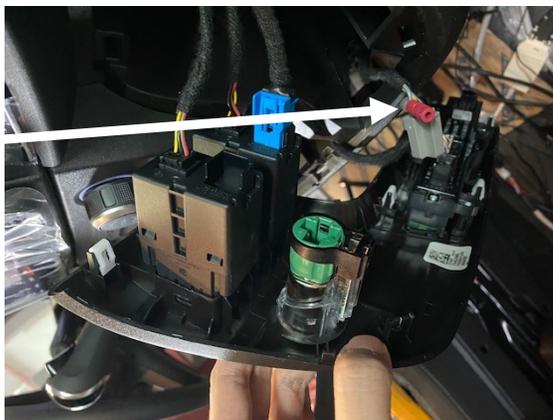
Plug OEM 2-Pin connector here

Instructions

Power Connection

1. Remove cigarette lighter trim cover.
2. Use the provided Posi-Tap* and connect red wire of J3 (Pin-6) to red/black wire of cigarette lighter port.

* Unscrew the Gray cap on the Posi-Tap connector and install it on the Red/Black wire, then screw the rest of the connector onto the cap, snugging it down, but not overly tight. Unscrew the other end of the Posi-Tap connector and insert the Red wire of J3 (Pin-6). Hold the wire so it doesn't push back out of the Posi-Tap, and screw it back into the main Posi-Tap body. Holding the main Posi-Tap body, gently pull on the just-installed wire to make sure it is solidly connected.



Power Resistor Installation

1. Open the glovebox door.
2. Locate the 2 release tabs on the inside of the glovebox (one on the left and one on the right) and drop the door into the full down position.
3. Locate the two fasteners securing the glovebox assembly to the vehicle and remove them.
4. Locate the 4 fasteners on the outside of the glovebox assembly and remove them.
5. Remove the glove box assembly.
6. Locate the piece of exposed metal (See Photo) from the instructions above.
7. Install the power resistor to the exposed metal using the included screws. It will be necessary to pre-drill the holes first using a #39 drill bit.

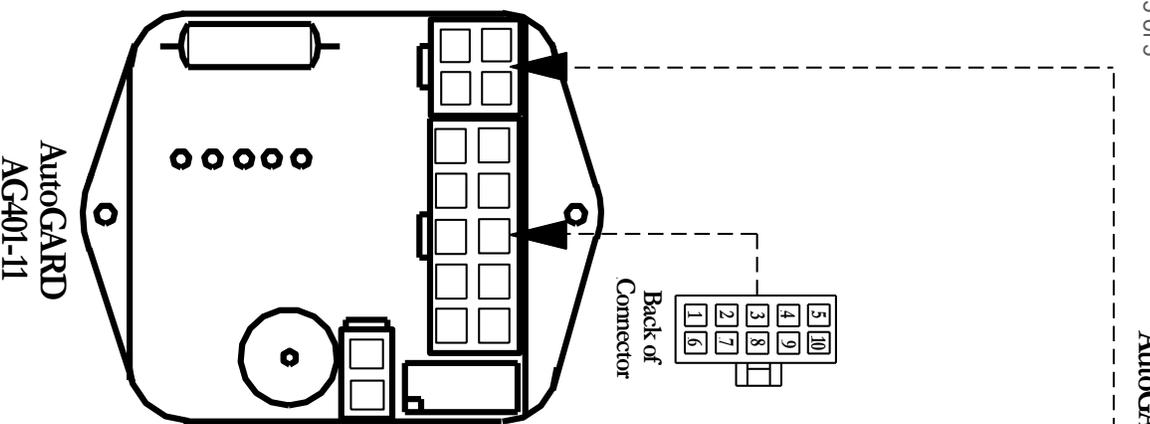


AutoGARD Operating Instructions

1. Ensure that the vehicle can not be shifted out of Park.
2. Press the previously installed button and confirm that an audible alarm is heard from the AutoGARD module.
3. Release the button and confirm that the vehicle can be shifted out of Park within 10 seconds of releasing the button.
4. Press and release the button and wait more than 10 seconds and confirm that the vehicle cannot be shifted out of Park.

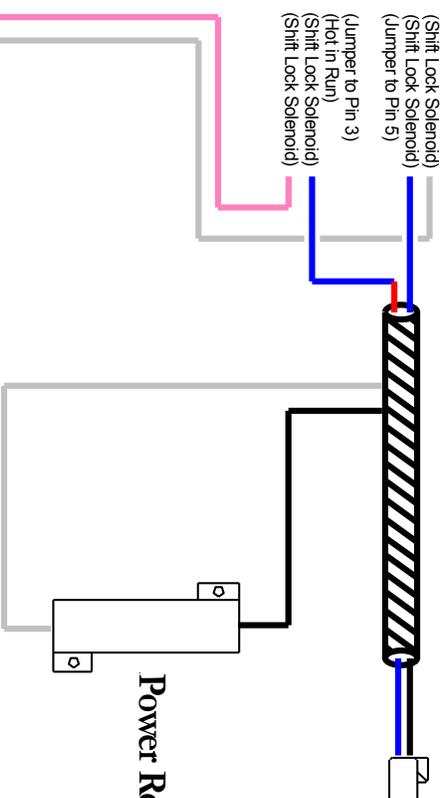
DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS
Contact InterMotive at 530-823-1048 for technical assistance.

AutoGARD Switch Harness # 840-00151



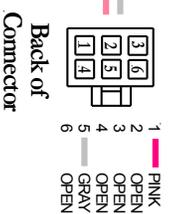
Part # 840-00214

Plug Into OEM Shift Lock Solenoid (See Instructions)



Part # 840-00227

Plug OEM Shift Lock Harness Connector Here (See Instructions)



**AutoGARD
AG401-11**

Submit product registration at www.intermotive.net

If the A-AG401-A-11 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.