

## Emergency Door Module - EDM501DC

Ford Econoline 2004 6.0L Diesel  
Ford Econoline 2005-2017 - All

### Introduction

The Emergency Door module prevents the vehicle from starting unless the rear emergency door is closed *and* unlocked. An audible alarm will sound anytime the door is open while the ignition is on.

### Installation Instructions

**Disconnect vehicle battery before proceeding with installation**



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

### 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.

### 2004—2008 Ford Econoline

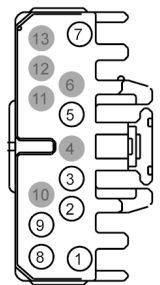
1. Locate the vehicle start circuit by removing the under dash fuse panel from its mounting bracket, located near the parking brake assembly.
2. Rotate the fuse block to view the back.
3. Locate the 18 gauge Tan/Red wire. It is connected to fuse # 33 or 34 depending on application. Cut this wire.

**Yellow Wire** – Attach the **female** 2-pin connector, pin #2 Yellow wire to the fuse block side of that Red wire. Solder and heat shrink connection.

**Blue Wire** – Attach the **male** 2-pin connector, pin #1 Blue wire to the other end of the Tan/Red wire. Solder and heat shrink connection.

### 2009 - 2017 Ford Econoline

1. Remove the under dash panel and the steering column shroud.
2. Locate the OEM 13-Pin connector attached to the ignition switch under the steering column.
3. Locate the Blue-White wire (Pin #5).
4. Cut the Blue-White wire between the harness and the connector.
5. Attach the harness side of the Blue-White wire to the Yellow wire from the EDM module using solder and heat shrink tubing.
6. Attach the connector side of the Blue-White wire to the Blue wire from the EDM module using solder and heat shrink tubing.



## Module Mounting

1. Locate an area behind the lower dash panel to mount the EDM501-DC module. Do not block the opening in the module or the alarm volume will be reduced. The module can be mounted using supplies screws or two sided tape
2. Attach the Black wire to a known good ground point.
3. Connect the Yellow and Blue 2-Pin connectors to the mating connectors. The black 2 pin Weather-Pack connector will attach to the door circuits. **Note:** The mate to this connector is not included. The mating connector is Part Number 12010973-B. The Terminals are Part Number 12124582-L. The connector seals (optional) are Part Number 12015323-B.
4. Connect the White wire to the Door Open Switch. This circuit must provide a ground when the door is open.
5. Connect the Green wire to the Door Lock Switch. This circuit must provide a ground when the door is locked.

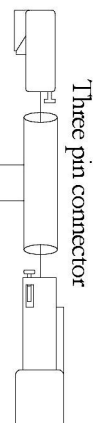
## Reconnect vehicle battery

### Post Installation

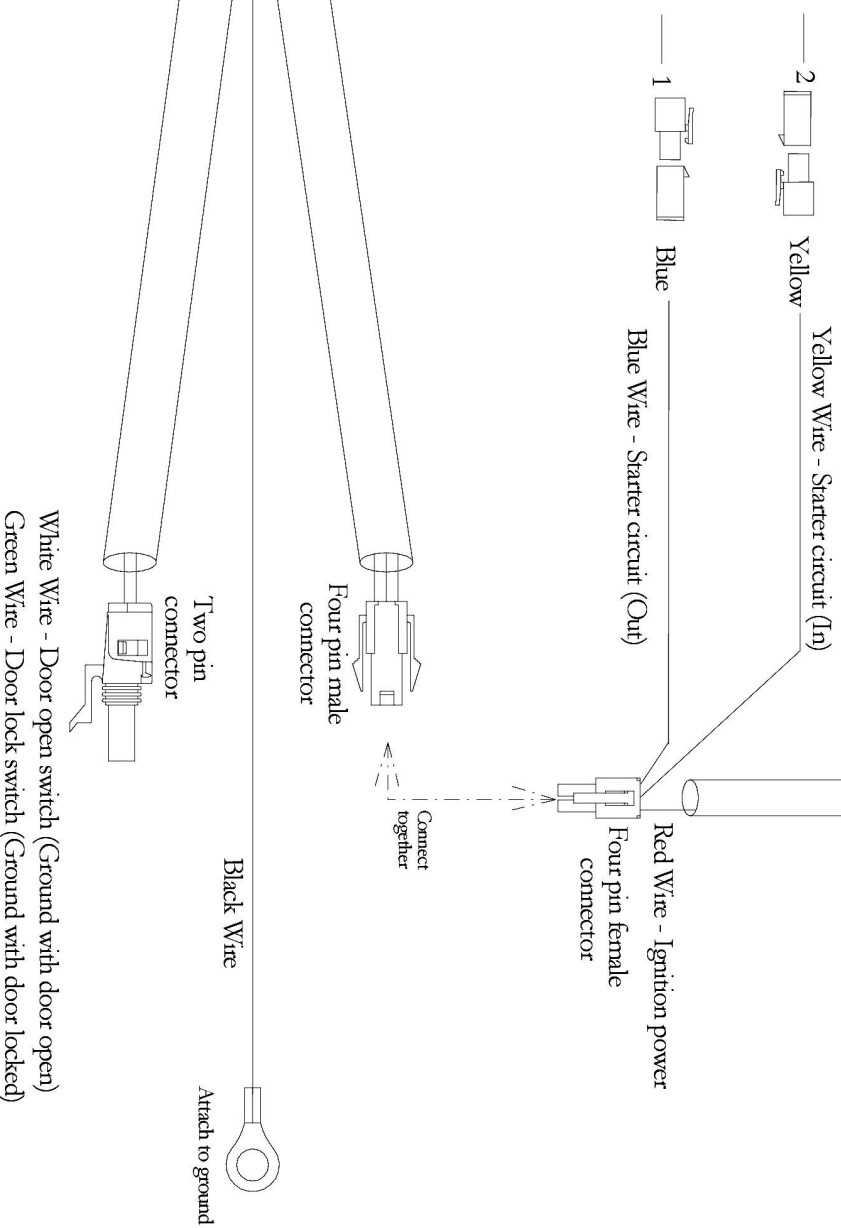
1. Close the rear emergency door and do not lock. Verify the vehicle starts.
2. Close the rear emergency door and lock it. Verify the vehicle will not start and the warning alarm sounds.
3. Open the rear emergency door. Verify the vehicle will not start and the warning alarm sounds.

If the EDM501-DC fails any of the above tests, recheck all connections. If necessary, call InterMotive Technical Support at 530-823-1048.

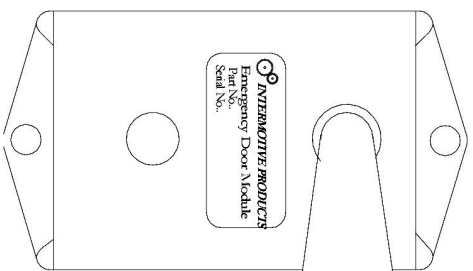
Black connector located behind the lower dash panel below the steering column



2004-2008 Connect to Tan/Red wire at fuse block  
 2009-2017 Connect to Blue/White wire at Ignition Switch (pin #5)



## EDM Module



### Submit product registration at [www.intermotive.net](http://www.intermotive.net)

The vehicle must NOT start with the rear door open or locked. If the vehicle starts, review the installation instructions and check all connections. If necessary, call Intermotive Technical Support at (530) 823-1048