

# Instructions

## A-CD509-A

### 2026 Ford Transit

Contact InterMotive for additional vehicle applications



## System Overview

The A-CD509-A is a system that will prevent a vehicle from starting if certain safety conditions have not been met (lift door open, vehicle not in Park, emergency exit locked or open, etc.).

## 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 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.



## Instructions

### Ignition Switch Connections

1. Release the column tilt lever. Locate the ignition switch connector and disconnect it from the switch, or push the ignition switch out of the shroud and disconnect it.
2. Route the harness section with the ignition switch connectors to the ignition switch location.
3. Plug the OEM connector into the mating connector on the InterMotive harness.
4. Plug the InterMotive ignition connector into the OEM ignition switch.



### Crank Disable Wires

1. The Black wire eyelet must be connected to ground.
2. The Violet w/ White stripe wire must be connected to an output from an InterMotive module with the following logic configured:  
A 12V output with Engine Off **AND** Service Brake **AND** Trigger input active.  
The Trigger input is an input to the module that is active when the crank is to be disabled.

### Post Installation

1. Verify that the vehicle will not start when the Trigger input is active.
2. Verify that the vehicle will start when the Trigger input is NOT active.

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