

Model ITM-131

Platform Lift Interlock 2006 - 2007 Chevy & GMC GVAN, C4500 & C5500

A. Product Description

The ITM131 interlock system consists of a control module, optional remote driver's LED display, and chassis interface wiring harness. The control module is a solid state, non-microprocessor-based control device. It contains two connectors for interfacing to the remote LED display and wiring harness. It also contains six diagnostic LED indicators to aid in system troubleshooting. The "plug and play" GM chassis harness contains two tee-cables that connect to the parking brake switch and shift lock solenoid that are both located under the dash. Two harnesses are available, one for the van chassis and one for the C4500 & C5500 chassis. A set of nine 1/4 inch male Faston blade terminals are provided for interface to the platform lift system, door switch, transmission Park switch, +12 volt power and ground. There is also a door output that can be used to power an indicator light to show when the lift door is ajar/open. As the C4500 & C5500 chassis are not factory equipped with a shift lock solenoid, a kit is offered by InPower that includes a solenoid and mounting pin.

B. Interlock System Operation

The interlock system is powered from the Interlock Power Switch and the Ignition Switch when they are both in the On position. The following is the interlock system sequence of operation:

Step 1 - With the interlock powered on, place the transmission in the Park.

Step 2 - Set the parking brake.

Step 3 - Open the lift door. When opened, the transmission shift lock will be set to prevent the transmission from being taken out of Park, and the Lift Enable will be set to allow operation of the platform lift. The Lift Door Open light, if installed, will operate.

Step 4 - The platform lift may now be operated (Refer to the platform lift operating instructions). Note - During the Lift Enable sequence, if the parking brake is released the Lift Enable will be deactivated, preventing lift operation.

Step 5 - When the lift cycle is completed return the lift to its fully stowed position.

Step 6 - Close the lift door. Note - Depending on how the door switch is wired, all doors may need to be closed.

Step 7 - Release the parking brake. When released, the shift lock will be automatically released.

Step 8 - The cycle is now complete and the vehicle can be taken out of Park and driven.

Notes:

1. The shifter will remain locked in Park whenever the lift door is open.
2. The Lift Door Open output (+12 v @ 8 amps) is activated whenever the door is open, independent of other interlock inputs.

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InPower Model ITM-131 GM Interlock System

C. Troubleshooting Tips

1. Obtain the appropriate service/maintenance manual from the platform lift manufacturer (.e.g., Braun, Ricon or Maxon).
2. Obtain the InPower ITM131 interlock system owners manual, document OM-50. This can be supplied by the vehicle manufacturer that installed the lift and interlock, or from InPower's web site, www.InPowerDirect.com.
3. If you experience a problem with the platform lift system, first isolate the problem to the platform lift or the interlock system.
4. If the interlock system operates properly but fails to release the shift lock at the end of the cycle (can't shift out of PARK), the likely cause is an incorrect operation of the lift door switch or the lift stowed sensor. These inputs to the interlock can be tested by using the diagnostic LEDs on the ITM131 control module (see InPower Owners manual OM-50 for details).

D. Reference Information

GM Upfitter Integration

www.gmupfitter.com
Hotline: 800-875-4742
Fax: 586-492-1085

Ricon Corporation

7900 Nelson Road
Panorama City, CA 91402
(818) 267-3038
(800) 322-2884
www.riconcorp.com

InPower Reference:

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3555 Africa Road
Galena, Ohio 43021 U.S.A.
Tel: 740-548-0965
Fax: 740-548-2302
Web site: www.InPowerLLC.com

Warranty:

InPower LLC warrants its products to be free from defects in material and workmanship under normal use, care and maintenance for a period of two years from data of shipment. Please contact InPower for a copy of our warranty policy and our returns policy.

For full ITM-131 interlock system product information see InPower Owners Manual, Document number OM-50.

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