

	<b>Model ITM-122A Platform Lift Interlock 2009 Ford E-Series</b>
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**A. Product Description**

This product is intended for installation in 2009 Ford E-Series chassis with FMVSS 403 compliant, public use (commercial) platform lifts manufactured by The Braun Corporation, Ricon Corporation or Maxon Mobility. If another type of lift is to be used, contact the lift manufacturer to determine its compatibility. The ITM122A interlock system consists of a control module and a chassis wiring harnesses. The control module is a solid state, non-microprocessor-based control device. It contains a connector for interfacing to the chassis wiring harness. It also contains five diagnostic LED indicators to aid in system troubleshooting. The chassis harness contains two "plug and play" tee-cables that connect to the parking brake switch and shift lock solenoid that are both located under the dash. The wiring harness contains a set of 18 inch blunt-cut wires for interface to the platform lift system, the lift door switch, and 12 volt power. There is a flashing door output that can be used to power an indicator light to show when the lift door is open/ajar.

**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.

Note:

The Lift Door Open output (+12 volts @ 8 amps) is activated whenever the door is open, independent of other interlock inputs.

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Continued...

## InPower Model ITM-122A Ford 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 ITM122A interlock system owners manual, document OM-88. This can be supplied by the vehicle manufacturer that installed the lift and interlock, or from InPower's web site, [www.InPowerLLC.com](http://www.InPowerLLC.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. These inputs to the interlock can be tested by using the diagnostic LEDs on the ITM122A Remote Display Panel (see Owners manual OM-88 for details).

### D. Reference Information

#### Ford Motor Company

Truck Body Builder Advisory Service  
Product Development Center, MD 410  
PO Box 2053  
Dearborn, MI 48121-2053  
1-877-840-4338  
[www.fleet.ford.com/truckbbas/index.htm](http://www.fleet.ford.com/truckbbas/index.htm)  
[bbasqa@ford.com](mailto:bbasqa@ford.com)

#### The Braun Corporation

631 West 11th Street  
Winamac, IN 46966  
(574) 946-6153  
(800) 946-6158  
[www.braunlift.com](http://www.braunlift.com)

#### Ricon Corporation

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

#### Maxon Lift Corp.

11921 Slauson Avenue  
Sante Fe Springs, CA 90670  
(562) 464-0099  
(800) 227-4116  
[www.maxonlift.com](http://www.maxonlift.com)

#### InPower Reference:

InPower LLC  
3555 Africa Road  
Galena, Ohio 43021 U.S.A.  
Tel: 740-548-0965  
Fax: 740-548-2302  
Web site: [www.InPowerLLC.com](http://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 ITM122 interlock system product information see Owners Manual, Document number OM-88.

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[bbasqa@ford.com](mailto:bbasqa@ford.com)

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631 West 11th Street  
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(574) 946-6153  
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[www.braunlift.com](http://www.braunlift.com)

#### Ricon Corporation

7900 Nelson Road  
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[www.riconcorp.com](http://www.riconcorp.com)

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11921 Slauson Avenue  
Sante Fe Springs, CA 90670  
(562) 464-0099  
(800) 227-4116  
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