

	Model ITM-116A Platform Lift Interlock 2005 - 2008 Ford E-Series
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A. Product Description

This product is intended for installation in 2005 through 2007 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 ITM116 interlock system consists of a control module, optional remote driver's LED display, and two wiring harnesses. The control module is a solid state, non-microprocessor-based control device. It contains three connectors for interfacing to the remote LED display and two wiring harnesses. It also contains ten diagnostic LED indicators to aid in system troubleshooting. The "plug and play" Ford chassis harness contains two tee-cables that connect to the parking brake switch and shift lock solenoid that are both located under the dash. The system wiring harness consists of a five foot long set of wires in a braided loom that connect to the Ford SEIC blunt-cut wires located under the hood, and 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 also a door output wire/signal that can be used to power an indicator light to show when the lift door is ajar/open. An engine fast idle function is included that can be wired to provide an automatic, and a choice of two fixed engine speeds. This utilizes the Ford SEIC (Stationary Elevated Idle Control).

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.
3. When the Fast Idle Mode Switch is in the Automatic position, the engine speed will increase to 1200 rpm if the battery voltage drops below 12.5 volts, and will return to normal idle speed when the battery voltage increased to 13.6 volts.

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InPower Model ITM-116A 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 ITM116A interlock system owners manual, document OM-42. 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 ITM116A control module (see Owners manual OM-42 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
bbasqa@ford.com

The Braun Corporation

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

Ricon Corporation

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

Maxon Lift Corp.

11921 Slauson Avenue
Sante Fe Springs, CA 90670
(562) 464-0099
(800) 227-4116
www.maxonlift.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.InPowerDirect.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 date of shipment. Please contact InPower for a copy of our warranty policy and our returns policy.

For full ITM-116A interlock system product information see Owners Manual, Document number OM-42.

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For full ITM-116A interlock system product information see Owners Manual, Document number OM-42.