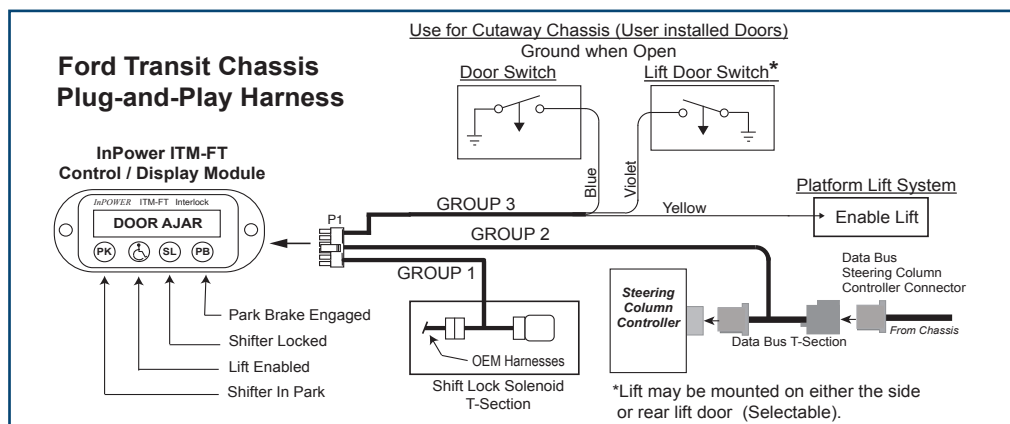




Key Features

- FMVSS 403/404 Compliant for Public/Private-Use Lifts in all states
- Operates with Vehicle ON or OFF
- Designed for Both Commercial and Personal Applications
- Plug-and-Play Harness with Ford Transit T-Connector
- Monitors OEM Door Status via CAN Data Bus
- Blunt-Cut Inputs for Cutaway Chassis Applications
- Supports Both Electrical and Mechanical Park Brake Systems
- Integrated Driver Display and Control Module
- Shifter Lockout with Mechanical Park Brake Interlock (or if Lift Door is Open)
- Configurable Logic via 3 DIP Switches (SW1–SW3)
- Real-Time Diagnostic and System Status LEDs
- 12V Lift Enable Output (1.8 Amps)
- Rear and Side Door Compatible

System Diagram



Technical Description

InPower Model ITM-FT – Interlock System for Ford Transit

FMVSS 403/404 Compliant | Public-Use Platform Lift Integration

InPower's Model ITM-FT provides full interlock functionality as required by FMVSS 403/404 for public-use wheelchair lifts installed in **Ford Transit chassis vehicles**. This system is engineered for both reliability and ease of installation, making it ideal for transit upfitters, and mobility integrators.

System Overview

The ITM-FT includes two primary components:

- **Driver Display & Control Module** – Combines status indicators and system controls in one compact interface.
- **Plug-and-Play Chassis Wiring Harness** – Simplifies installation and ensures reliable connections with factory systems.

Driver Display Features

Large 2-inch flashing "Door Ajar" indicator

Illuminated indicators for:

- Park
- Shifter Locked
- Lift Enabled
- Park Brake Engaged

Wiring & Integration

T-Harness Connection to Ford SCCM

Provides direct access to:

- **Door status (OEM van chassis)**
- **Parking brake status**
- **Gear shift position**
- **Provides power and ground connections**

Blunt-Cut Inputs (for Cutaway Chassis):

- **Remote Lift Door** (Violet wire, IN2 – Pin 4, GND True)
- **Remote Non-Lift Door** (Blue wire, IN1 – Pin 3, GND True)
- **Lift Enable Output** rated at +12V @ 1.8 Amps Compatible with Braun, Ricon, and Maxon platform lifts

Second T-Harness:

- Interfaces with Shift Lock Solenoid Control

Selectable Configuration Modes

Located on the back of the unit, three DIP switches (SW1, SW2, SW3) allow pre-installation configuration. Refer to OM-266 for detailed switch setting instructions.

Mode Options:

1. Lift Door Selection

- SW1 Off: Side Door is Lift Door
- SW1 On: Rear Door is Lift Door

2. Shifter Lock Behavior

- SW2 Off: Shifter locks when Lift Door is open
- SW2 On: Shifter locks when any door is open

3. "Door Ajar" Indicator Function

- SW3 Off: Flashes only when Lift Door is open
- SW3 On: Flashes when any door is open

Specifications

Module Inputs

Power Input: Battery is obtained from the Data Bus T-Harness Group 2 (P4-Red Wire-Pin 1)
 Ground Input: Ground is obtained from the Data Bus T-Harness Group 2 (P4-Black Wire-Pin 14)
 Lift Door* ** In: From Remote Lift Door Open switch. Ground when door is Open. (Blunt-cut Violet**)
 Non-Lift Door** In: From Remote Door Open switch. Ground when door is Open. (Blunt-cut Blue**)
 CAN Interface: Data Bus Connector to Data Bus T-Harness Group 2 installed in Steering Column Controller Module Connector.

* Lift may be installed on either the side door or the rear door. When installed in the rear door, DIP Switch 1 should be set to ON

** The Violet and Blue Blunt Cut Wires for use on the User Installed Remote Doors on the Cut-Away Chassis Only - Do not connect these wires to the OEM Wiring; this will cause a fault with the vehicle.

Module Output

Lift Enable: +12 volts @ 1.8 amps to allow platform switch operation. (Blunt-cut Yellow)
 System Total Power: 2 amps @ 13.6V

Mechanical

Dimensions: 3.50 W x 1.50 H x 0.56 D inches
 Weight: 0.15 lbs
 Operating Temperature: -40° C to +85° C

Please see owner's manual OM-266 for the ITM-FT for detailed information.

Mechanical Drawing

