



SMART TRANSFORMATIONS.
INTRODUCING THE SMART LIFT.
A COMPLIANT FMVSS PUBLIC USE LIFT.

RD SW
Roll-stop is not locked

FLOOR
Platform is at vehicle floor level

FOLD
Platform is folding

ANG SENS
Wire to angle sensor has been disconnected

STOWED
Lift is in the stowed position

HIGH V
Voltage from vehicle is too high – check charging system

INBD SW
Inboard roll-stop is not up & locked

UP
Platform is raising to vehicle floor level



IT IS TIME TO EMBRACE TE

INTRODUCING THE SMART LIFT FROM MAXON

TECHNOLOGY TRANSFORMS THE WHEELCHAIR LIFT

The WL7 Smart Lift from Maxon Mobility ushers in a new level of intelligence, convenience and safety. The Smart Lift is an entirely new concept in wheelchair lifts, with advanced technology that helps ensure the lift is always working when you need it, and with more safety features than any other lift. Maxon has set the industry standard for quality, strength, lifting capabilities, reliability, and use of modern technology.

The high quality, efficient design and the utilization of intelligent technology in the Maxon WL7 Smart Lift means that the lift works when it is installed, when it reaches the bus dealer, and when it is placed into service by the end user. This is due to eliminating adjustable micro-switches (no timing switches), and to the exclusive Brain Box located on top of the pump which displays lift status to the operator. The screen tells the operators what they did wrong.

Built from a clean slate to be FMVSS 403 (Federal Motor Vehicle Safety Standards) compliant, and with options to meet state requirements, the Smart Lift is the intelligent choice for all of your wheelchair lift needs.

INNOVATIVE DIAGNOSTICS — RAISING THE BAR WITH TECHNOLOGY

Our exclusive Brain Box monitors voltage and current draw, warns of improper grounding, and includes status indicators for numerous safety Interlock functions. Onboard diagnostics significantly reduce downtime and greatly enhance safety. Maxon Mobility saves you time, helps your fleet operate at peak efficiency, and keeps the end user mobile.

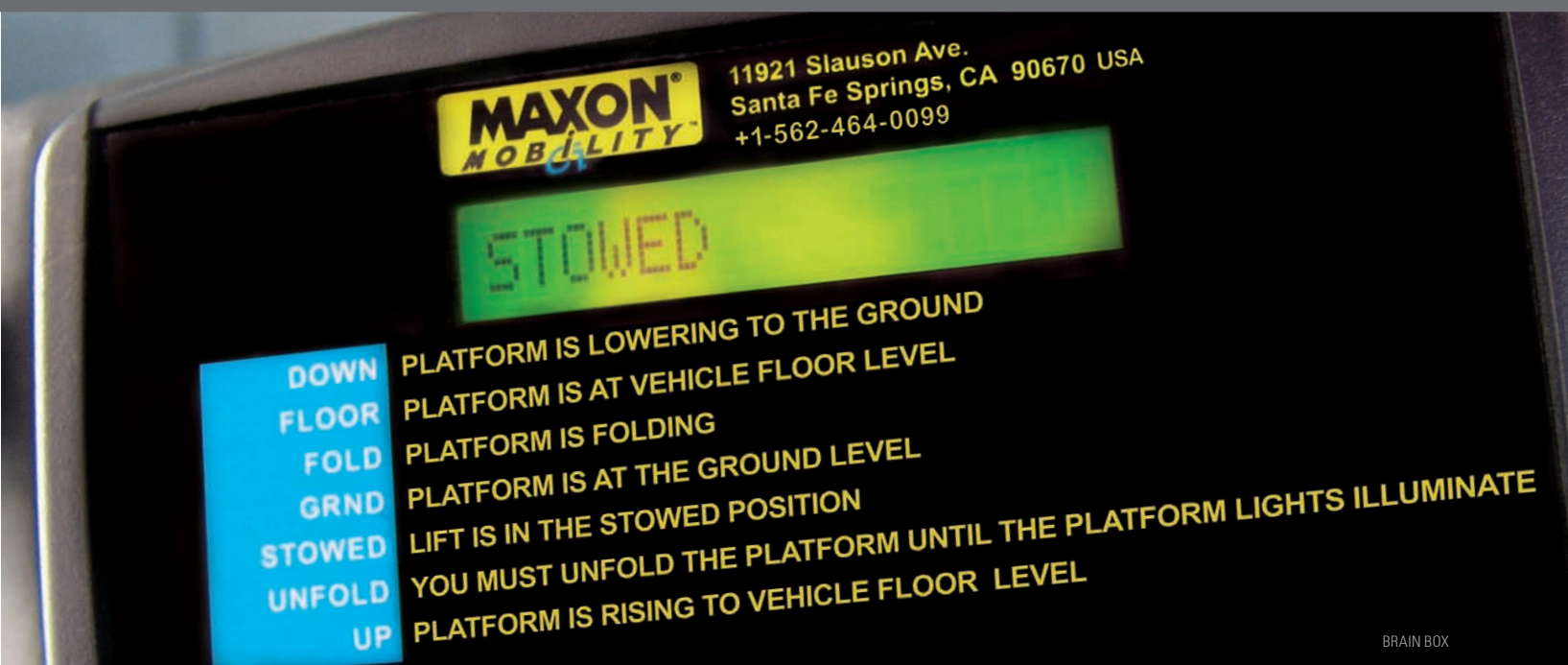
LCD SCREEN

BRAIN BOX TROUBLESHOOTING AND OPERATOR ERRORS

OVERLOAD	A particular wire is shorting. A series of numbers after OVERLOAD help you determine which wire
CHG BATT	Battery charge is too low. Start the vehicle engine
FOLD	Platform is folding
GRND SW	The Ground switch is malfunctioning
HIGHV	Voltage from vehicle is too high – check charging system
INBD SW	Inboard roll-stop is not up & locked
LOCKED	No interlock signal from the vehicle – Is the parking brake engaged?
LOCK ERR	No interlock signal from vehicle after the platform is deployed
MAT ERR	Threshold mat is occupied while the platform is at the vehicle floor level
OCCUPIED	The platform is occupied (while the platform is at the vehicle floor level)
OUTBD SW	Outboard roll-stop is not up & locked
PSI SENS	Wire to PSI sensor is disconnected
SEAT BLT	Seat belt is not fastened (if equipped)
STOWED	Lift is in the stowed position
STOW SW	Stow switch is malfunctioning
UNFOLD	You must unfold the platform until the platform lights illuminate



CHNOLOGY



STANDARD FEATURES

- Diagnostic screen on exclusive Brain Box
- Easily lifts 800 lbs. (See option for 1,000 lb lift capacity).
- No adjustable micro-switches for fold function and floor level
- Solid State Relays eliminate motor solenoids and create a safer, more reliable system
- Two lamps on vertical arms illuminate the platform
- No timing switches
- Highly efficient design for more cycles with less power
- Lift and cycle counter
- Steel armored cable on hand-held control harness
- Exclusive Firm Latch System eliminates drifting
- Lower hydraulic pressure and current draw
- Live technical support and customer service

MODELS	CONFIGURATIONS (Width x Length in inches and centimeters)
WL7-33R	33" X 53" (84 X 135 cm) PLATFORM WITH RIGHT-HAND PUMP BOX
WL7-33L	33" X 53" (84 X 135 cm) PLATFORM WITH LEFT-HAND PUMP BOX
WL7-34R	34" X 53" (86 X 135 cm) PLATFORM WITH RIGHT-HAND PUMP BOX
WL7-34L	34" X 53" (86 X 135 cm) PLATFORM WITH LEFT-HAND PUMP BOX
STANDARD LIFT CAPACITY IS 800 LBS. (364 KG) ON ALL MODELS FLOOR HEIGHT: FROM 0" TO 48" (122 cm)	

SIMPLE INSTALLATION

Installation requires only a single lead to and from the Interlock, and a power and ground cable.

The WL7 Smart Lift is shipped as a complete unit, with 100% of all functions factory tested on all lifts. The only adjustment that is required at installation is the pitch of the platform.

AVAILABLE INSTALLATION KITS

- Bus Installation Kit
- Ford Van Rear Door Kit
- GM Van Rear Door Kit
- Ford Van Side Door Kit
- Ford Extended Van Kit
- GM Extended Van Kit
- Tower Support Brackets

OPTIONS

- Florida DOT Kit
- Seat Belt Kit
- Retractable Seat Belt Kit
- Padded Vinyl Lift Cover
- Foam Padding Kit
- Coiled Cord Pendant Harness
- Beacon Guards (2 each)
- 1,000 lb lift capacity

ENDLESS BENEFITS

- The WL7 Smart Lift does not require the use of a computer or scanner to diagnose
- Superior design eliminates troublesome kick-out coil springs, micro-switches, and a number of wear items in the pump area
- Platform will not drift into the access door – the pump/motor draws the lift platform tight every 5 minutes while the bus engine is on
- The WL7 Smart Lift is the most durable and reliable standard lift available
- Universal application that fits all floor heights from 0" to 48" (122 cm) – one lift fits all floor heights
- The WL7 Smart Lift has the most safety features available on any standard lift
- Mesh platform enhances safety and stability, and promotes rear visibility for the driver
- Continuous 2-way communication with the vehicle
- The WL7 Smart Lift is extremely quiet during operation and is designed not to rattle while the vehicle is in transit

STELLAR AFTERMARKET SUPPORT

- Complimentary in-the-field training covers installation, operation, troubleshooting and maintenance
- Operator Training available on DVD.



LOCKED

No interlock signal from the vehicle – Is the parking brake engaged?

FOLD

Platform is folding

LOCK ERR

Interlock signal is not being sent from vehicle while the lift platform is deployed

CHG BATT

Low Battery. Start vehicle engine

GRND

Platform is at the ground level

MAT ERR

Threshold mat is occupied while the lift platform is at the vehicle floor

OCCUPIED

The platform is occupied while the platform is at the vehicle floor

OUT

The outboard up &



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