



2014 *Private Use* Application Guide • Issue 1 • 5-8-14



Millennium Series™

Millennium Series™ Features

The Millennium Series is an extremely versatile lift, designed to fit a variety of personal-use applications. The unique design allows the same lift to be used in the side or rear door of a full-size van, making it a great lift to keep in stock for faster service to your customers. New features include a standard side-entry platform and a lightweight aluminum roll stop with traction risers for a non-slip surface.

The Millennium Series features a 31" wide by 43" long platform. If necessary, the Millennium Series is available with a 47" or 51" platform length. Please note that longer-length platforms will require a raised top and doors.

The lift provides 42" of floor-to-ground reach and includes an "up/down" switch mounted on the switch arm, allowing the independent user to operate the lift.

In-door operators are available for Chevy/GMC and Ford side and rear swing doors. Side slide door operators are available for Chevy and Ford applications. 1992 and newer Ford vans with side slide doors need a slight modification to gain the additional width required.

As with all BraunAbility lifts, a number of options are available for your customers' convenience. Door operators offer the wheelchair user complete independence. Additional control stations allow the mobility package to be adapted to your customers' specific needs. And, for the ultimate in convenience, a remote control system will operate all lift and door functions.

- V.A. accepted
- Automatic fold and unfold
- Standard Side-Entry Feature
- Modular construction
- Durable powder-coated finish
- Integrated backup pump
- 8" automatic roll stop
- Designed for flat-floor and stepwell applications
- Designed for use with automatic door operators
- Can be used in vehicles without raised doors, maintaining "garageability."
- Color-coded rocker switches are easily operated by those with limited dexterity



Millennium Series™ Models

NL955SE3143IB-2

NHTSA Compliant Usable Platform: 31" x 43"

NL955SE3147IB-2

NHTSA Compliant Usable Platform: 31" x 47"

NL955SE3151IB-2

NHTSA Compliant Usable Platform: 31" x 51"

General Function: Electrohydraulic, power up/gravity down operation

Operation: Hydraulic pump with two lifting cylinders and one Roll Stop cylinder

Control: Module mounted switches, handrail Up/Down switch, optional hand-held control box, and optional remote

Hydraulic: Pressure Max. 2,495 psi, Fluid is Univis HVI 26, oil reservoir is .33 gal

Construction: Steel structure with powder coat finish

Power Supply: 12V DC

Current Consumption: Max. 70A (12V)

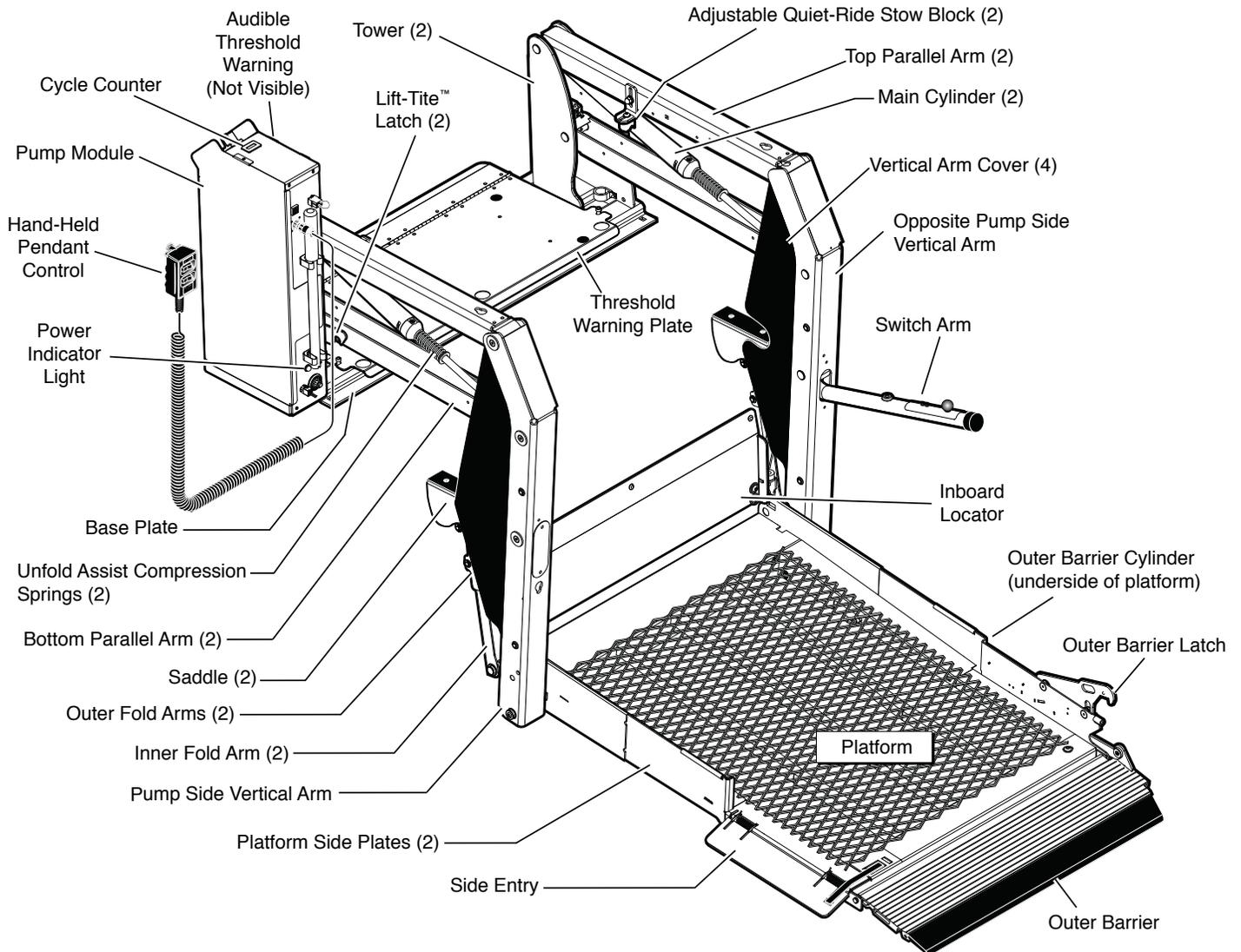
Explanations of abbreviations: NL955 SE 31 43

SE = Side Entry Platform

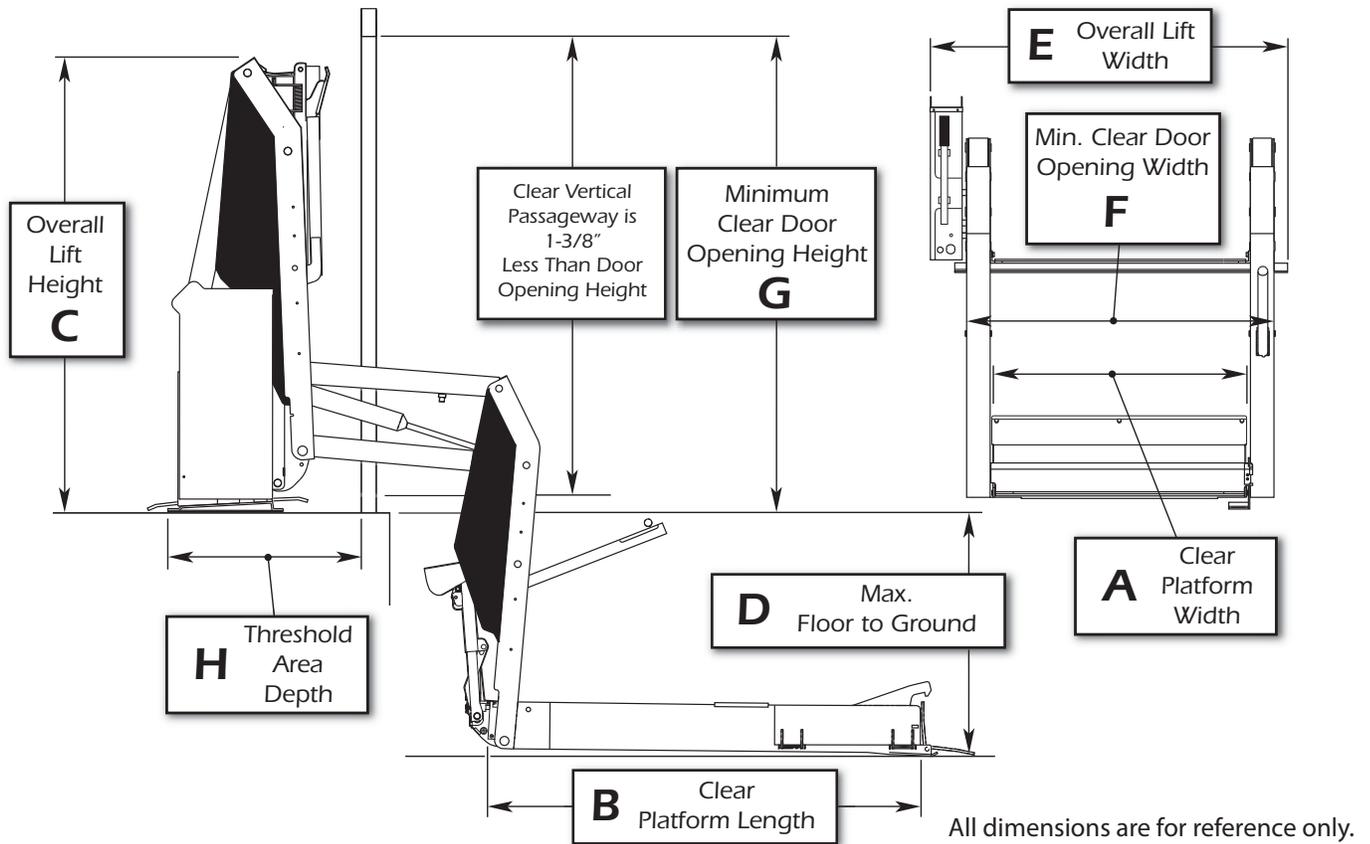
31 = 31" Clear Platform Width

43 = 43" Clear Platform Length

IB = Inboard Barrier



Millennium Series™ Dimensions



Millennium Series™			A	B	C	D	E	F	G	H
Lift Model Number	Lift Weight lbs	Lifting Capacity lbs	Clear Platform Width	Clear Platform Length	Overall Lift Height	Max. Floor to Ground	Overall Lift Width	Min. Clear Door Opening Width	Min. Clear Door Opening Height	Threshold Area Depth
NL955SE31431B-2	332	750	31"	43"	47-1/2"	42"	46"	40"	47"	18"
NL955SE31471B-2	353	750	31"	47"	51-1/2"	42"	46"	40"	51"	18"
NL955SE31511B-2	354	750	31"	51"	55-1/2"	42"	46"	40"	55"	18"

NHTSA Interlock Kit Options



* Plug & Play Kits are used in conjunction with Interlock Kits

- 36259 GM Interlock Kit - 2008 to 2014 Vans
- 36261 GM Plug & Play Kit* - 2008 to 2014 Vans
- 32541 GM Interlock Kit - 2001 to 2007 Vans
- 32543 GM Plug & Play Kit* - 2001 to 2002 Vans
- 36257 Ford Interlock Kit - 2008 to 2014 Vans
- 36260 Ford Plug & Play Harness* - 2008 to 2014 Vans
- 32538 Ford Interlock Kit - 2004 to 2007 Vans
- 32540 Ford Plug & Play Kit* - 2004-2006 with Trans Code A, F or Q
- 33678 Ford Plug & Play Kit* - 2007 with Trans Code Q
- 36152 Ford Transit Connect Interlock Kit - 2010 to 2013 Vans
- 32544 Universal Interlock Kit

NHTSA Installation Kits



	<u>Side Door</u>	<u>Std. Length Rear Door</u>	<u>Ext. Length Rear Door</u>
Ford	30956K	30957K	30970K-42
Ford Transit Connect		35819K	
GM	30958K	30959K	30981K
Sprinter (up to 2006)	28763K	31407K	
Sprinter (2007 to 2011)	34474KS	34120KS	
Nissan NV (2011 & Up)	37438K		

30955K (Standard Mounting Kit - Ships with all DPA lifts) - Van Mounting Kits contain floor reinforcements for 403/404 compliance.

Door Operator Kits



Swing Door Operators

		<u>Side Swing In-Door Operators for pre-1996</u>
GM	62409-000	<u>Side Swing In-Door Operators for 1996 & Up</u>
	62403-000	<u>Rear Swing In-Door Operators for 1996 & Up</u>
	62405-000	<u>Side Slide Door Operator for Pre-1997</u>
	32311A	<u>Side Slide Door Operator for 1997 & Up</u>
32313A		
FORD	62400-000	<u>Side Swing In-Door Operators for 1992 & Up</u> (60/40)
	62402-000	<u>Rear Swing In-Door Operators for 1992 & Up</u>
	32311A	<u>Side Slide Door Operator for pre-1992</u>
	32312A	<u>Side Slide Door Operator for 1992 & Up</u>
SPRINTER	P50381A	<u>Side Slide Door Operator (up to 2006)</u>
	P50333A	<u>Rear Swing Door Operators (up to 2006)</u>
NISSAN NV	37648A	<u>Side Slide Door Operator for 2011 & Up</u>



Slide Door Operator

Installation of 60000-series swing door operator kits **requires** the use of a template.

- **1996 & Up GM Vans:** Side Left: 60461-000 Side Right: 60460-000
- **1992 & Up Ford Vans:** Side Left: 60317-000 Side Right: 60318-000 Rear Left: 60392-000 Rear Right: 60393-000

Millennium Series™ Lift Accessories



◀ **33659KS**
Replacement
Hand-Held Control



◀ **33911K**
Remote Control System
34352KS
Replacement/Extra Trans.



◀ **34948KS** Upper Tower Support Kit

33912K Third Station Control
33913K Outside Control Station



◀ **19395A96** Rear Bumper Replacement Kit for 1996 & Up GM

NOTE: When ordering 2001 and newer Ford Econoline and Club Wagon Chassis, use order code #762 to receive the painted rear bumper instead of the standard step bumper.

Millennium Series™ Specifications

THE BRAUNABILITY NL955-2 MILLENNIUM SERIES WHEELCHAIR LIFT SPECIFICATIONS “Provided to make your spec writing easier.”

The wheelchair lift shall be of modular steel frame construction. The bolt-together frame design shall provide rigidity for lift alignment and lift operation. The lift shall have been tested to a minimum static load of 3000#. The lift shall have 750# rated lifting capacity. The base plate shall be of a one piece design to provide flexural rigidity to minimize lift deflection when placed under load.

The power supply shall be a 12 volt electric hydraulic system operating two single-acting cylinders. The hydraulic power pack system shall be of modular design allowing for easy removal and field replacement, if needed. There shall be no power-down operation. The operation of the unit shall provide a smooth, jerk-free ride in both up and down directions. The power operation of the hydraulic cylinders shall be of a pull-type design for smooth lifting operation and improved synchronous arm movement. The pivot pins in the trunnion (knuckle) of the pivot arms shall be of stationary design.

The flow-controlled gravity-down hydraulic system shall be regulated by external pressure/temperature compensator valves, allowing for easy in-field replacement if needed. Internal cylinder-mounted pressure compensator valves are not permitted.

The switching system used to regulate platform movement shall be activated by a single arm-mounted cam lever. The lift shall be designed with no microswitches for horizontal platform position sensing.

A manual backup system in case of electrical failure shall be standard, and the backup pump is to be integrated with the hydraulic power pack. No hydraulic lines or fittings shall be required for fluid transfer.

The switch panel for lift operation shall be conveniently located and utilize wide paddle-type rocker switches designed for ease of operation by persons with limited use of their hands. Switches shall be permanently stamped with the appropriate function legend and color-coded, yellow for door open/close, orange for fold/unfold and red for lower/raise at peripheral control stations. Color-coded symbols shall appear on the lift instruction decal that correspond to the color of the switches to be operated.

The platform shall be of steel construction and the surface shall be of see-through grating allowing for improved visibility and safer use in inclement weather. The platform shall have a wheelchair passageway width of 31" and a length of 43", with availability up to a length of 51", in the longest standard model. The sides of the platform shall be a minimum of 4-1/4" high.

The platform shall be automatically folded and unfolded and fully automatic in operation.

The roll stop shall be automatic in operation and a minimum of 8" high measured from the platform surface. The automatic roll stop (ARS) shall be power activated and not activated by complex mechanical linkage. The ARS must be activated in the full up position before there is any vertical movement of the outer end of the lift platform. The ARS must not deploy until the outer end of the platform touches the ground. Roll stops which require vertical platform movement to engage, or that can be disengaged by the lift operator when the platform is above the ground plane, are not acceptable.

The lift shall be equipped with multiple, adjustable "Quiet-Ride" features to eliminate rattles for a quiet interior environment.

A switch arm shall be provided with a lower/raise switch positioned for the wheelchair passenger to use while on the platform.

BraunAbility series number NL955 to include but not limited to the following model numbers:

- NL955SE3143IB-2, NL955SE3147IB-2, NL955SE3151IB-2



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