

Owner Manual

International
Inboard Lift

E Series

Folding Platform

Public Use
Wheelchair Lifts

Manufacturing Revision Level: Rev. **A**



www.braunability.com/international ISO 9001:2015

631 West 11th Street, Winamac, IN 46996, USA

Phone: +1 574 946 6153

Fax: +1 574 946 4670

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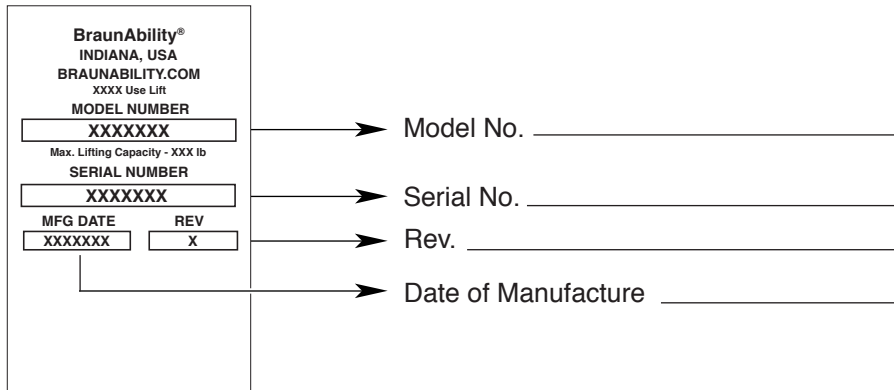
Original Instructions



Warranty

Consult your local BraunAbility® dealer regarding warranty policy.

www.braunability.com/international



Sample Serial Number Identification Tag

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Document Cross Reference

Service Manual 405177

Installation and Service Safety

Safety Symbols

SAFETY FIRST!

The information contained in this manual and supplements (if included), is provided for your use and safety. Familiarity with proper installation, operation, maintenance and service procedures is necessary to ensure safe, trouble-free lift operation. Safety precautions are provided to identify potentially hazardous situations and provide instruction on how to avoid them.

⚠️ WARNING

This symbol indicates important safety information regarding a potentially hazardous situation that could result in serious bodily injury and/or property damage.

⚠️ CAUTION

This symbol indicates important information regarding how to avoid a hazardous situation that could result in minor personal injury or property damage.

NOTICE

Additional information provided to help clarify or detail a specific subject.



This symbol indicates that there are dangerous energy levels present inside the enclosure of this product. To reduce the risk of fire or electric shock, do not attempt to open the enclosure or gain access to areas where you are not instructed to do so. Refer servicing to qualified service personnel only.



This symbol indicates that a condition where damage to the equipment resulting in injury to the operator could occur if operational procedures are not followed. To reduce the risk of damage or injury, refer to accompanying documents, follow all steps or procedures as instructed.



This symbol indicates a condition where injury or damage could occur if contact is made with the hot surface.



This symbol indicates an area to avoid bodily contact to prevent injury.



This symbol indicates the presence of high pressure hydraulic hoses. Use appropriate personal protective equipment when working on hydraulic system.



This symbol indicates the presence of a fire hazard. Avoid open flames or sparks when working with flammable materials to prevent injury or damage.



This symbol indicates a device weighs in excess of 139kg (306 lbs). Use of a fork lift or hoist is required.

These symbols will appear throughout this manual as well as on the labels posted on your lift. **Recognize the seriousness of this information.**

Installation and Service Safety

Installation and Service Safety Precautions

⚠️ WARNING

If installation, maintenance or repair procedures cannot be completed exactly as provided in this manual or if the instructions are not fully understood, contact BraunAbility immediately. Failure to do so may result in serious bodily injury and/or property damage.

- ⚠️ WARNING** Read this manual, supplement(s) and lift-posted operating instructions decals before performing installation, operation, or service procedures.
- ⚠️ WARNING** Use appropriate personal protective equipment when installing and servicing lift.
- ⚠️ WARNING** Remove any obstructions within the lift mounting/operating area prior to beginning installation procedures.
- ⚠️ WARNING** Install lift and power platform to fully folded position before removing shipping straps.
- ⚠️ WARNING** Do not fold or unfold the platform prior to positive securement of base plate mounting hardware.
- ⚠️ WARNING** Check for obstructions such as gas lines, wires, exhaust, etc. before drilling or cutting during installation procedures.

- ⚠️ WARNING** Route all cables clear of exhaust system, other hot areas, moving parts, wet areas, etc.
- ⚠️ WARNING** Risk of electrical shock or fire! Use extra care when making electrical connections. Connect and secure as outlined in Installation Instructions and Wiring Diagrams.
- ⚠️ WARNING** Adjust platform angle and floor level positioning of bridge plate before operating lift with passenger.
- ⚠️ WARNING** Maintenance and repairs must be performed only by authorized service personnel.
- ⚠️ WARNING** Follow the lift lubrication and maintenance schedule as outlined in the corresponding service manual.
- ⚠️ WARNING** Disconnect the power cable at the battery prior to servicing.
- ⚠️ WARNING** Never modify (alter) a BraunAbility lift.
- ⚠️ WARNING** Replacement parts must be BraunAbility authorized replacements.
- ⚠️ WARNING** Never install screws or fasteners (other than factory equipped).
- ⚠️ WARNING** Whenever replacing a hydraulic cylinder or seals, lower platform fully.
- ⚠️ WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Lift Operation Safety

Safety Symbols

SAFETY FIRST!

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This symbol indicates the presence of a fire hazard. Avoid open flames or sparks when working with flammable materials to prevent injury or damage.



This symbol indicates a device weighs in excess of 139kg (306 lbs). Use of a fork lift or hoist is required.

These symbols will appear throughout this manual as well as on the labels posted on your lift. **Recognize the seriousness of this information.**

Lift Operation Safety

Lift Operation Safety Precautions

⚠️ WARNING

If the lift operating instructions, manual operating instructions and/or lift operation safety precautions are not fully understood, contact BraunAbility immediately. Failure to do so may result in serious bodily injury and/or property damage.

- ⚠️ WARNING** Read manual and supplement(s) before operating lift. Read and become familiar with all safety precautions, operation notes and details, operating instructions and manual operating instructions before operating the lift.
- ⚠️ WARNING** Load and unload on level surface only.
- ⚠️ WARNING** Engage vehicle parking brake before operating lift.
- ⚠️ WARNING** Provide adequate clearance outside the vehicle to accommodate the lift before opening lift door(s) or operating lift.
- ⚠️ WARNING** Inspect lift before operation. Do not operate lift if you suspect lift damage, wear or any abnormal condition.
- ⚠️ WARNING** Do not use as a link bridge.

- ⚠️ WARNING** Keep operator and bystanders clear of area in which the lift operates.
- ⚠️ WARNING** Lift attendant must observe passenger at all times during lift operation.
- ⚠️ WARNING** Ensure adequate lighting exists in the lift operating area.
- ⚠️ WARNING** Whenever a wheelchair passenger (or standee) is on the platform, the:
 - Passenger must be positioned fully inside yellow boundaries facing outward.
 - Wheelchair brakes must be locked
 - Bridge plate and roll stop must be up (vertical)
 - Roll Stop latch must be fully engaged
 - Passenger should grip both handrails (if able).
- ⚠️ WARNING** Wheelchair lift attendants should be instructed on any special needs and/or procedures required for safe transport of wheelchair passengers.
- ⚠️ WARNING** Load and unload clear of vehicular traffic.
- ⚠️ WARNING** Do not attempt to load or unload a passenger in a wheelchair or other apparatus that does not fit on the platform area.
- ⚠️ WARNING** The lift attendant shall not ride on the platform with the passenger. The lift is intended for use by a single passenger.
- ⚠️ WARNING** Do not overload or abuse. The load rating applies to both the raising and lowering functions.
- ⚠️ WARNING** Use caution when operating this equipment out of doors during electrical storms or similar electrical phenomena.
- ⚠️ WARNING** Use caution when operating this equipment in severe weather or environmental conditions (fog, rain, snow, ice, dust, etc.)
- ⚠️ WARNING** Discontinue lift use immediately if any lift or vehicle interlock does not operate properly.
- ⚠️ WARNING** Do not operate or board the lift if you or your lift operator are intoxicated.

Lift Operation Safety

Lift Operation Safety Precautions

- ▲WARNING** Do not raise front wheelchair wheels (pull wheelie) when loading, boarding, or riding on the platform.
- ▲WARNING** Open lift door(s) fully and secure before operating lift.
- ▲WARNING** Position and secure (buckle, engage, fasten, etc.) the wheelchair-equipped occupant seat belt (torso restraint) before loading onto the wheelchair lift platform.
- ▲WARNING** Lift attendants must ensure that lift occupants keep hands, arms and all other body parts within the lift occupant area and clear of moving parts.
- ▲WARNING** Platform must be positioned at floor level (bridging position) when loading or unloading in and out of vehicle.
- ▲WARNING** Do not use platform bridge plate or roll stop as a brake. Stop and brake wheelchair when loading onto the platform (manually stop and brake manual wheelchairs — stop powered wheelchairs with the wheelchair controls).
- ▲WARNING** Turn powered (electric) wheelchairs off when on lift platform.
- ▲WARNING** Press the DOWN switch until the entire platform rests on ground level (lowered fully) and the roll stop is fully unfolded (ramp position) before loading or unloading a passenger at ground level.
- ▲WARNING** Roll stop must be fully unfolded (ramp position) until front and rear wheelchair wheels cross the barrier when loading or unloading at ground level.
- ▲WARNING** Accidental activation of control switch(es) may cause unintended operation(s).
- ▲WARNING** Contact your authorized BraunAbility dealership or technician to schedule routine maintenance and inspection of your lift.
- ▲WARNING** Replace missing, worn or illegible decals.
- ▲WARNING** Never modify (alter) a BraunAbility lift.
- ▲WARNING** Do not use accessory devices not authorized by BraunAbility.
- ▲WARNING** Do not remove any guards or covers.
- ▲WARNING** Keep clear of any hydraulic leak.
- ▲WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Specifications



The lift must be installed, operated, and maintained as detailed in applicable manuals. Any use of equipment other than instructed in this manual is prohibited.

The specifications below reflect CE standards. Lifts meet or exceed these requirements.

Operating Temperature

This equipment will operate in its intended ambient at a minimum between -30°C and 65°C.

Relative Humidity

This equipment will operate correctly within an environment at 50% RH, at 40°C.

Altitude

This equipment will operate correctly up to 1000m above mean sea level.

Sound Pressure Level

The emission sound pressure level at the operator's position is expected not to exceed 70 db(A).

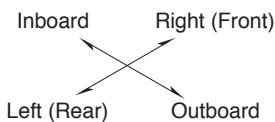
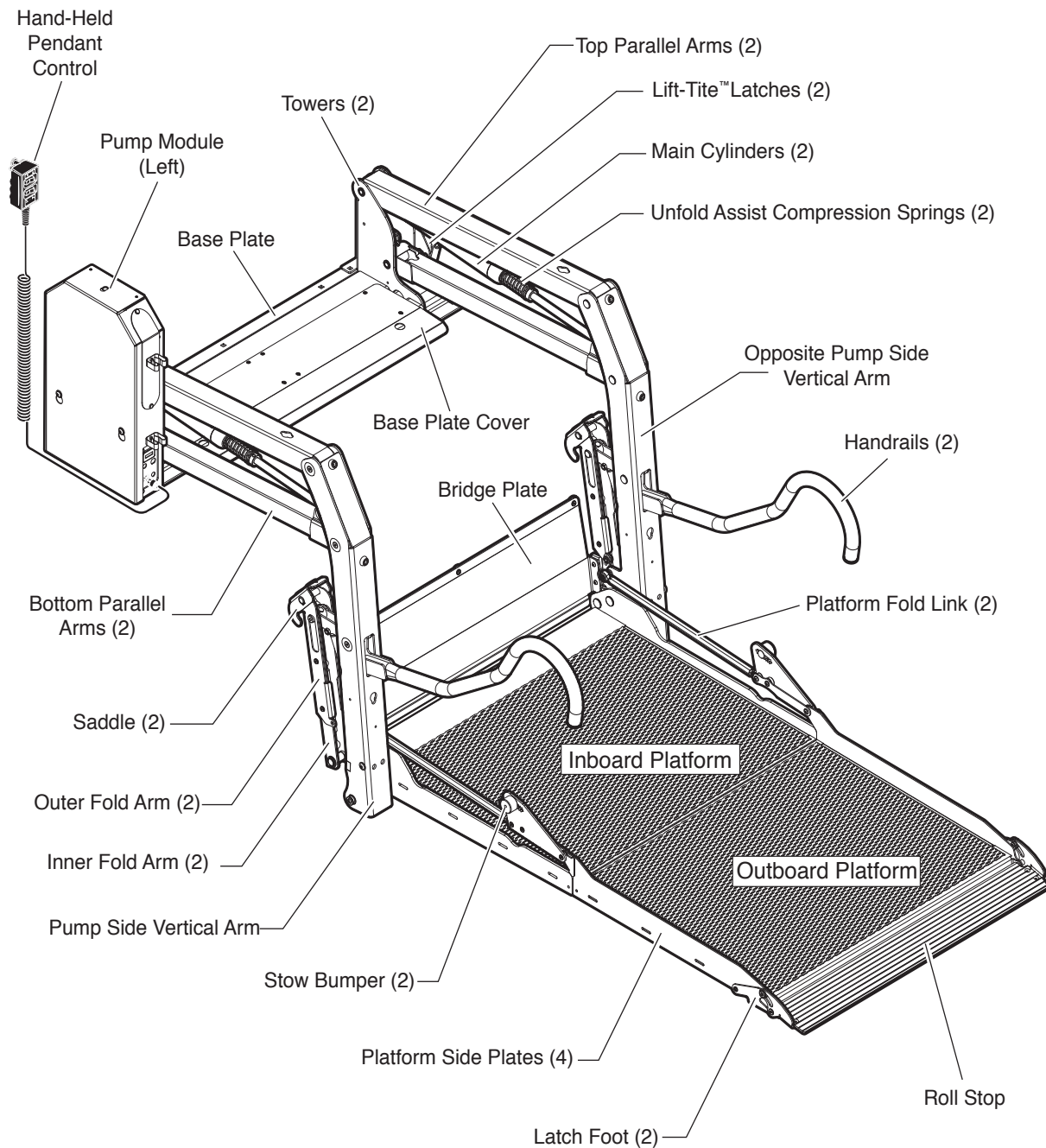
Transportation and Storage

This equipment will withstand, or has been protected against, transportation and storage temperatures of -25°C to +55°C, and for short periods of up to +70°C.

The lift has been packaged to prevent damage from the effects of normal humidity, vibration, and shock.

Lift Model	Maximum Load Capacity	Power Requirement	Lift Weight
EDEC08F86150ML	400kg (880lb)	12 VDC	151.5kg (334lb)
EDEC08F86150MR	400kg (880lb)	12 VDC	151.5kg (334lb)

Lift Terminology

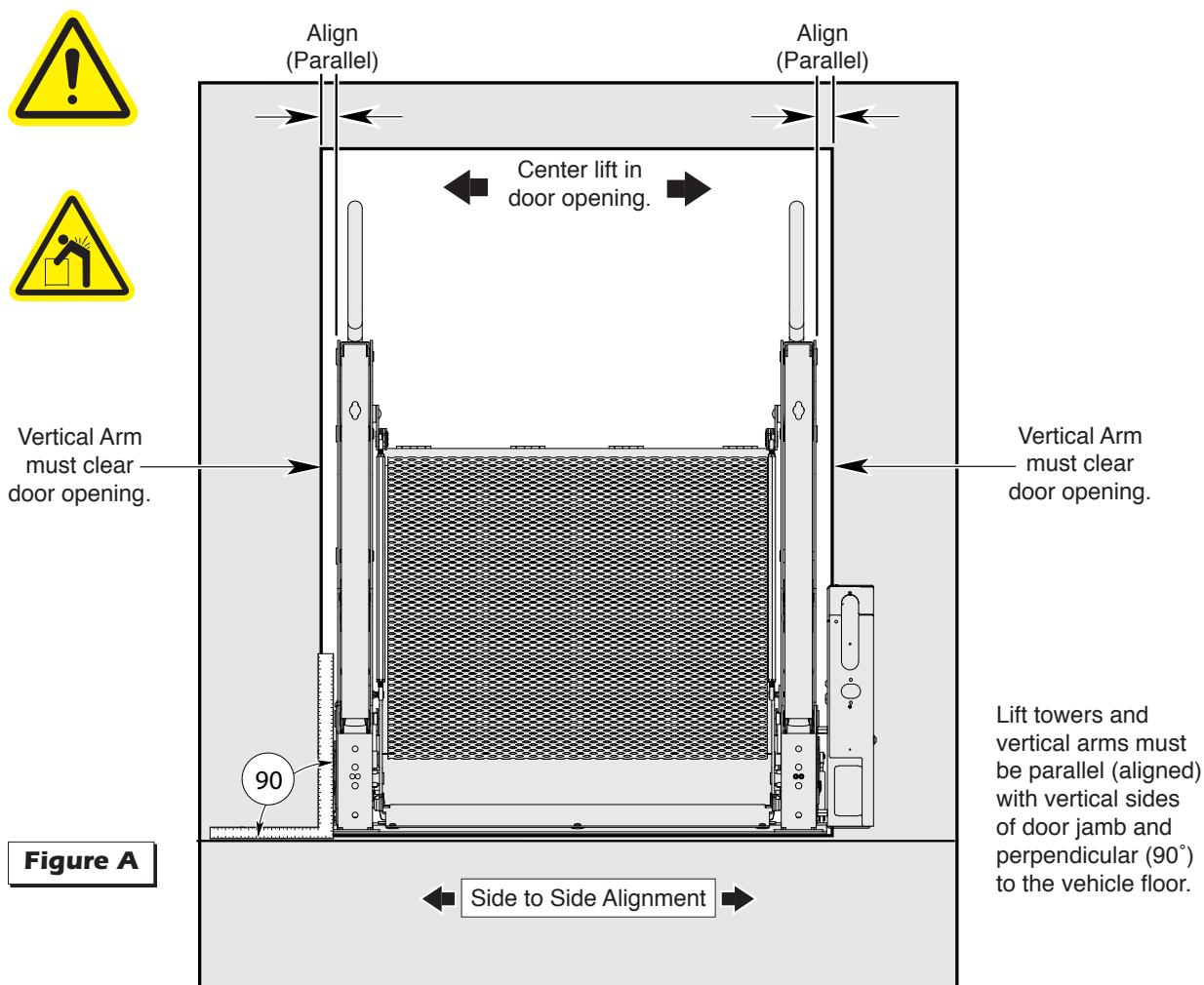


BraunAbility wheelchair lifts provide a method of boarding and exiting applicable motor vehicles. BraunAbility wheelchair lifts accommodate wheelchair passengers, standees, and other mobility aid users.



The lift must be installed, operated, and maintained as detailed in this manual. Any use of equipment other than instructed in this manual is prohibited.

Lift Installation Position Lift

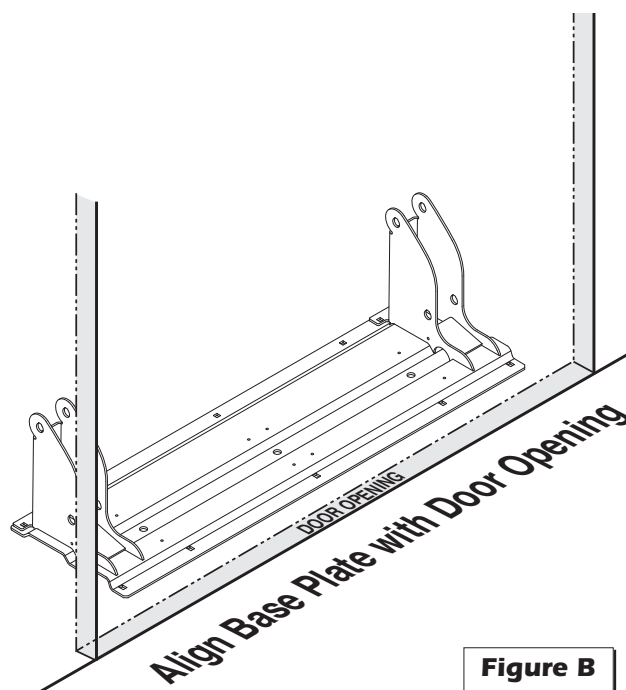


Clearance:

Center the lift in the opening. See Figure A. Position the base plate parallel to (aligned with) the door opening as shown in Figure B. Close the vehicle door(s).

Position lift as close to the door opening as possible while maintaining a minimum clearance of 12 mm between the lift and the door or wall. See Figure C.

Lift-Tite® Latches: When checking vehicle wall clearance - allow the lift to drift fully into the Lift-Tite® latches to ensure clearance (should drift occur). See Figure D. Using the hand pump handle, stroke the hand pump to stow the lift fully. Then open the valve slightly (1/2 turn only), and allow the Lift-Tite® latches to engage the vertical arm pins fully. Close pump valve.



Lift Installation

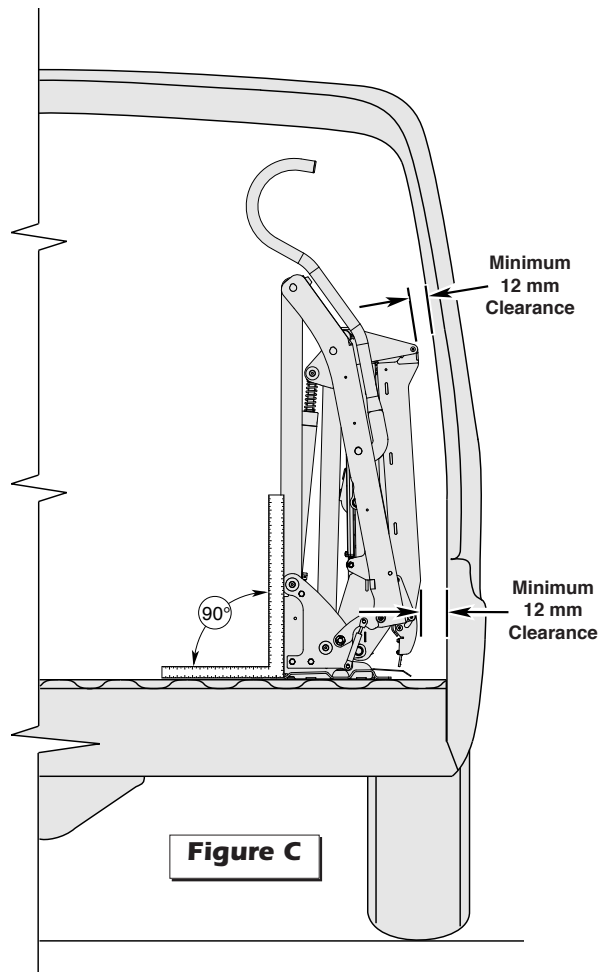
Position Lift

Alignment:

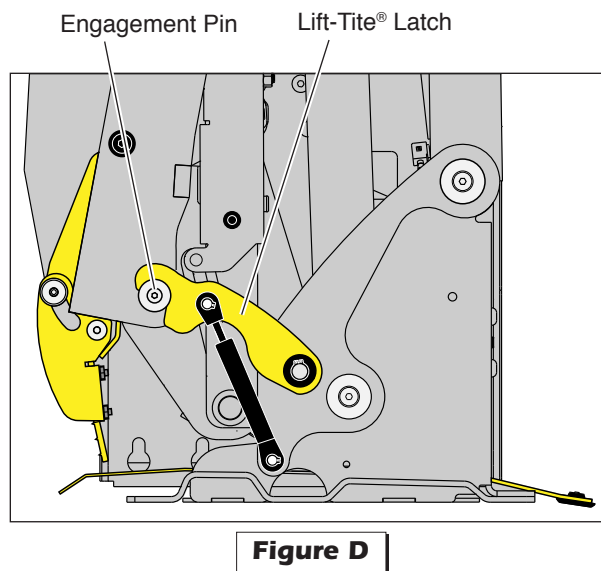
Side-to-Side Alignment: See Figure A on previous page. The lift vertical arms and platform should be perpendicular (90°) to the vehicle floor and parallel (aligned) with the vertical sides of door jamb. The vertical arms and the parallel arms must clear the door opening when the lift folds and unfolds.

Inboard-to-Outboard Alignment: See Figure C. The vertical arms and parallel arms must be aligned and parallel to each other. The lift towers should be perpendicular (90°) to the vehicle floor.

Step well Installations: It is not permissible for the base plate to overhang the step well. Base plate support must be constructed in the step well for lift support. The structure must be level with the existing floor and of equivalent construction (structural strength).



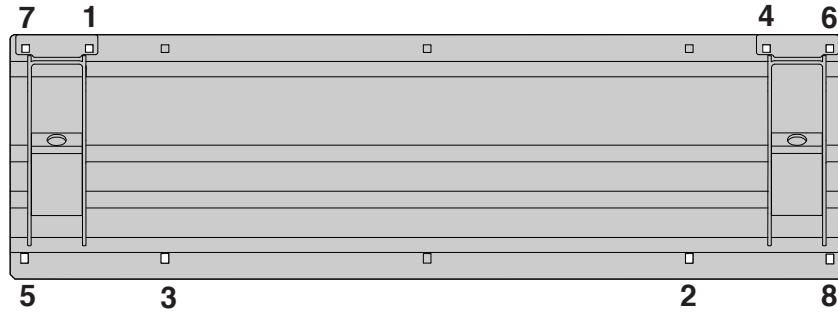
Lift-Tite® Latches: When checking vehicle wall clearance - allow the lift to drift fully into the Lift-Tite® latches to ensure proper clearances.



Lift Installation

Secure lift

Figure E



⚠ WARNING

Check for obstructions such as gas lines, wires, exhaust, etc. before drilling or cutting. Failure to do so may result in serious bodily injury and/or property damage.

1. Drill two mounting holes (holes 6 and 7).
 2. Temporarily secure lift using two mounting bolts (holes 6 and 7).
 3. Manually deploy lift and check lift clearance. Drill remaining mounting holes.
 4. Install below floor mounting hardware per instructions supplied in kit.
 5. Install remaining mounting bolts.
 6. Tighten mounting bolts 1 through 8 per sequence detailed above. Note deflection detail below.
- Mounting Bolt Torque Target: 40 Nm.**

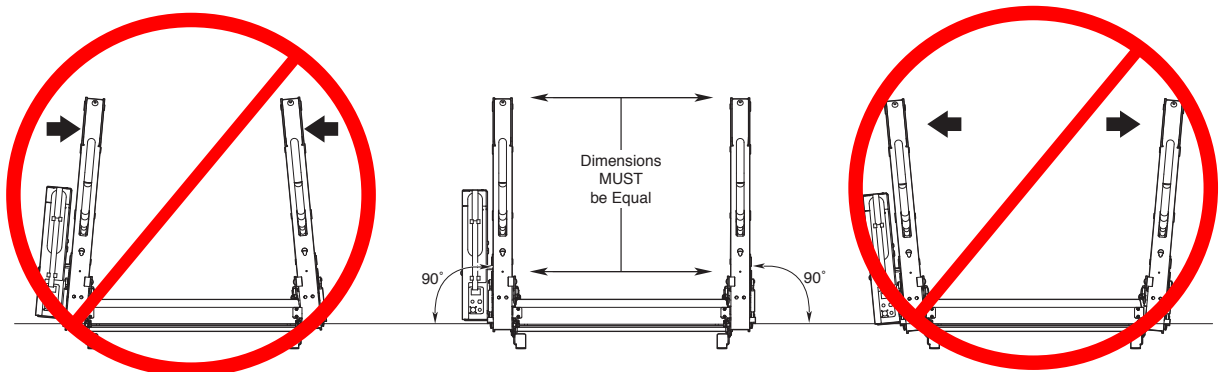
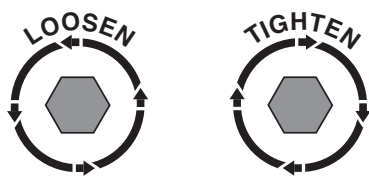
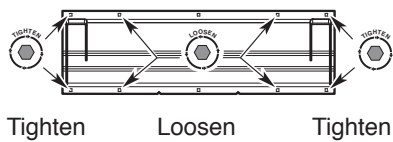
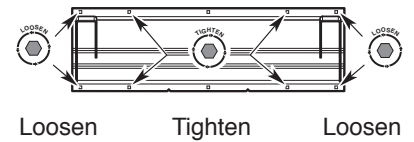


Figure F

To Correct:



To Correct:



Lift Installation Power Cable and Ground Cable



Floor Grommet:

1. Drill 28.5mm diameter grommet access hole. Check under the vehicle for obstructions.
2. Insert grommet. Secure grommet with two self-tap screws.
3. Route ground and power cables through grommet. Route cables clear of exhaust, other hot areas and moving parts.
4. Connect ground and power cables.

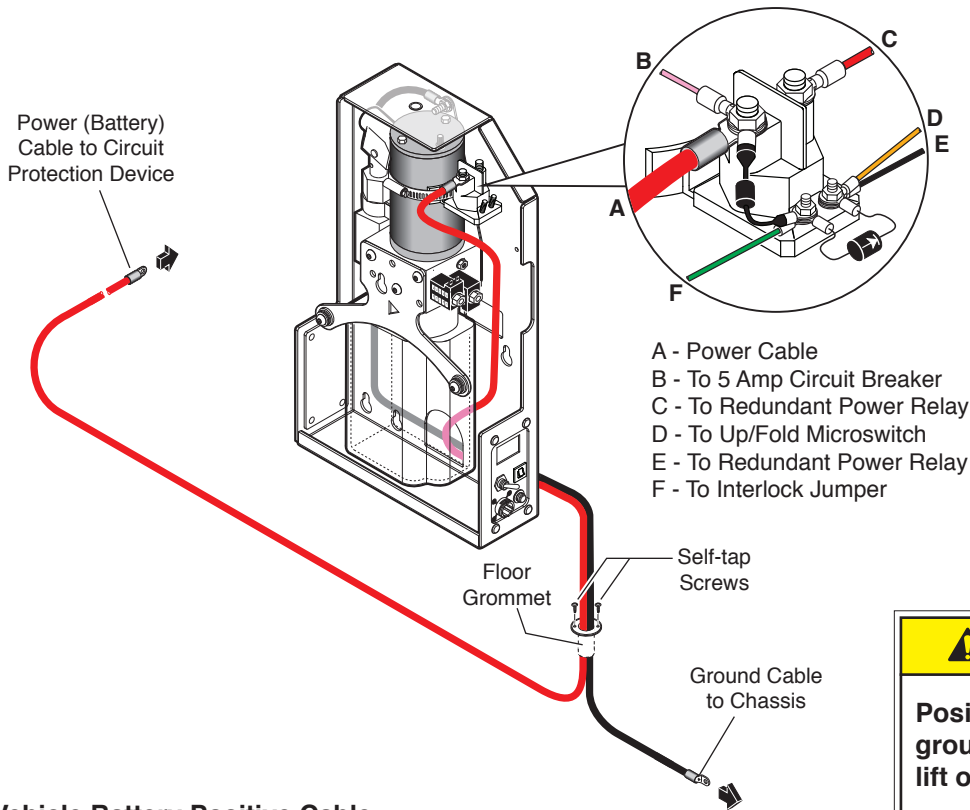
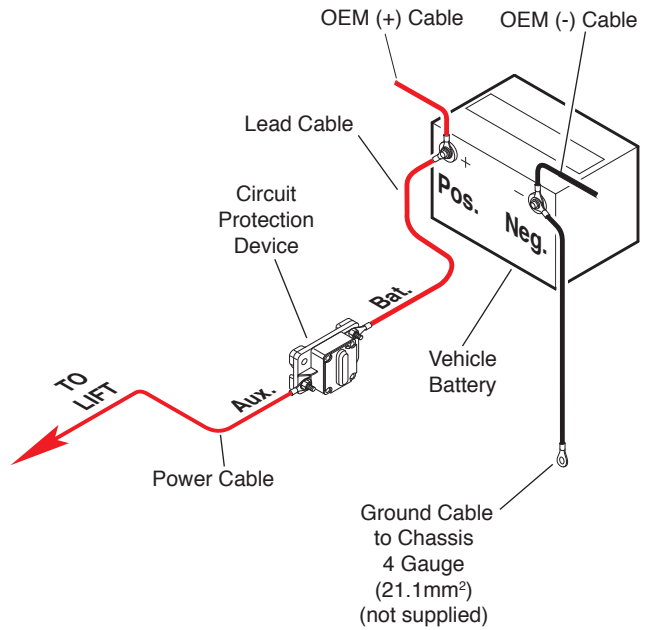


Figure G

Vehicle Battery Positive Cable:

Install in-line circuit protection device as shown in Figure G. Attach power cable and lead cable as shown.

Pump Ground Cable:

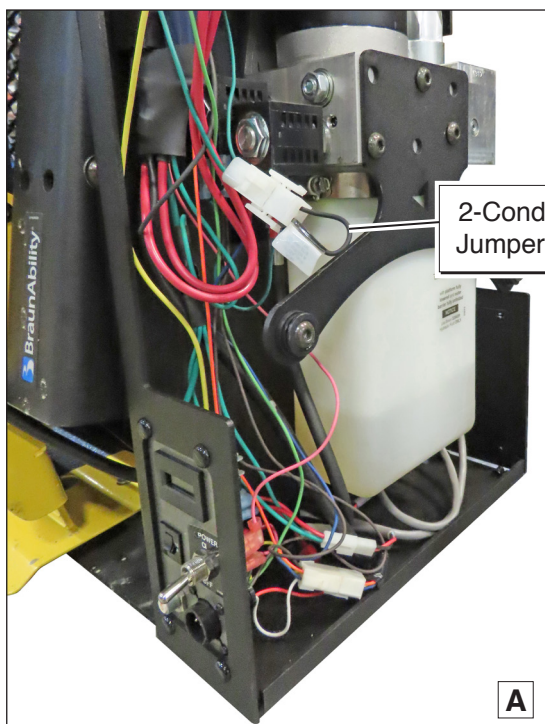
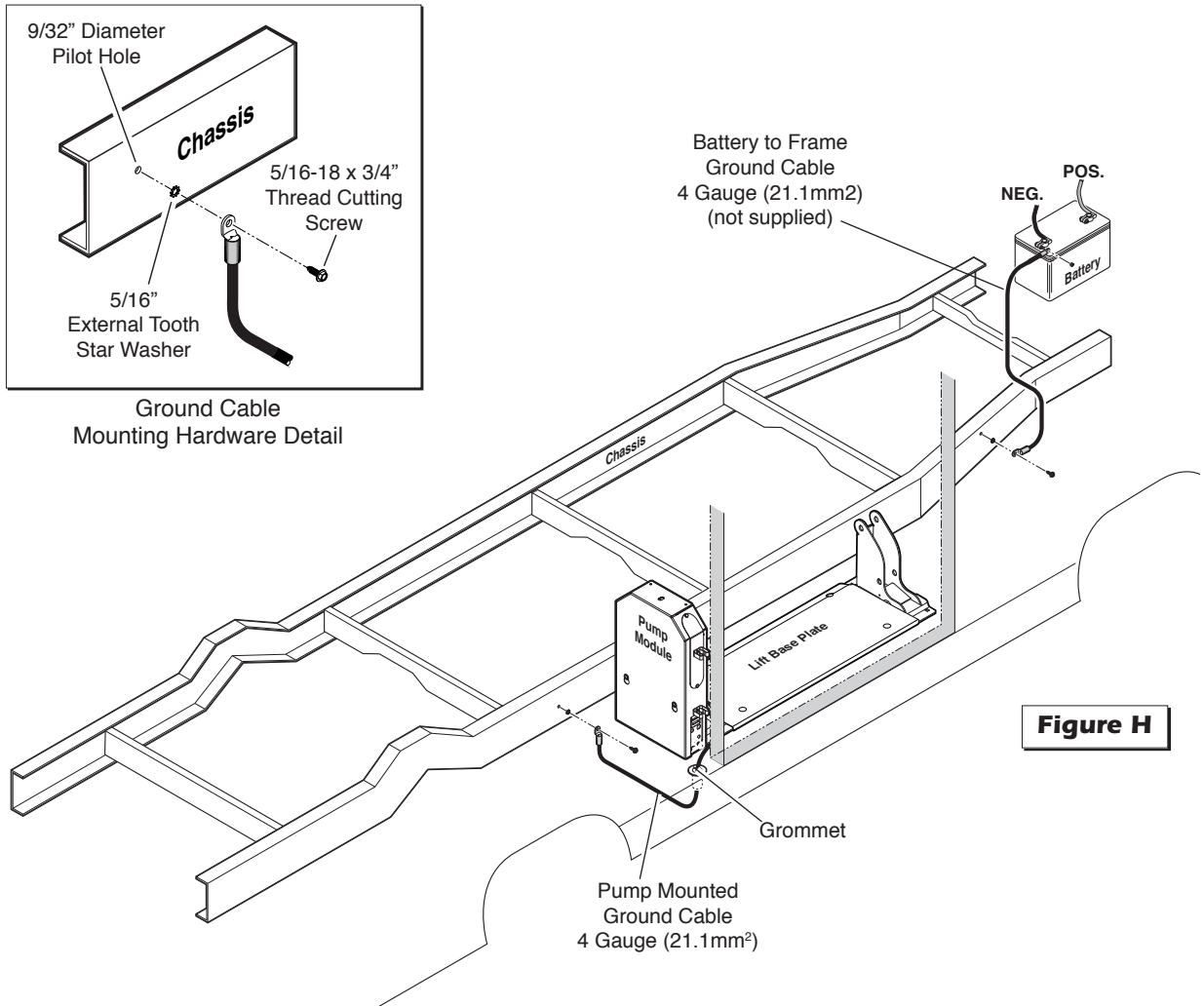
Route the pump mounted cable through the floor grommet and connect to a vehicle framing member as shown. See Figure H.

Vehicle Battery Ground Cable:

A 4 gauge (21.1mm²) ground cable must be connected from vehicle battery negative post to the same vehicle framing member the pump ground cable is attached to. See Figure H.

Lift Installation

Power Cable and Ground Cable



Ground Cable Corrosion: When mounting ground cables, remove undercoating, dirt, rust, etc. from framing member around mounting holes (minimum 16mm diameter area). Apply protective coating to mounting holes to prevent corrosion. Failure to do so will void warranty of certain electrical components.

Interlock Instructions EU:

The lift shall be installed in such way that the lift cannot be operational unless the vehicle is immobilized. Install a microswitch to the hand brake that provides signal when the hand brake is engaged (installer provided). Verify that the lift is not operational unless the hand brake is engaged.

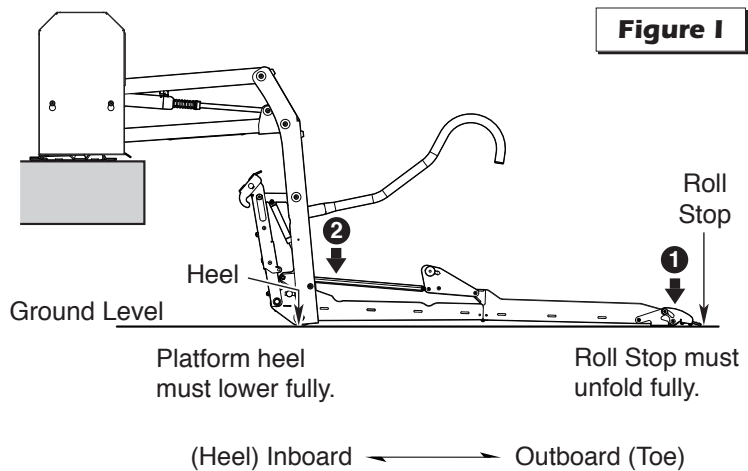
The E-Series pump module is equipped with 2-conductor jumper wire that is available for interlock (see photo at left). See service manual electrical schematic also.

Lift Installation Platform Angle Adjustment



Lowering Sequence Requirements

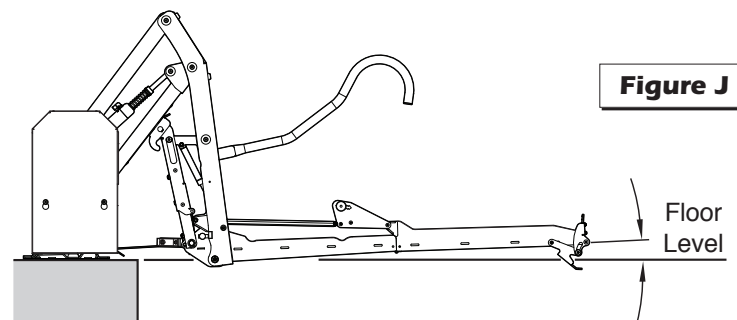
1. The outboard end (toe) of the platform must contact the ground first to ensure the spring-loaded roll stop unfolds fully. See Figure I.
2. The inboard end (heel) of the platform must continue to lower fully (vertical arms must contact ground when fully lowered). See Figure I.



Adjusting the angle of the platform for proper contact with the ground directly affects the angle of the platform when positioned at floor level.

Raise the platform to floor level. Note the angle of the platform.

The platform at floor level should have a slight upward angle as shown in Figure J.

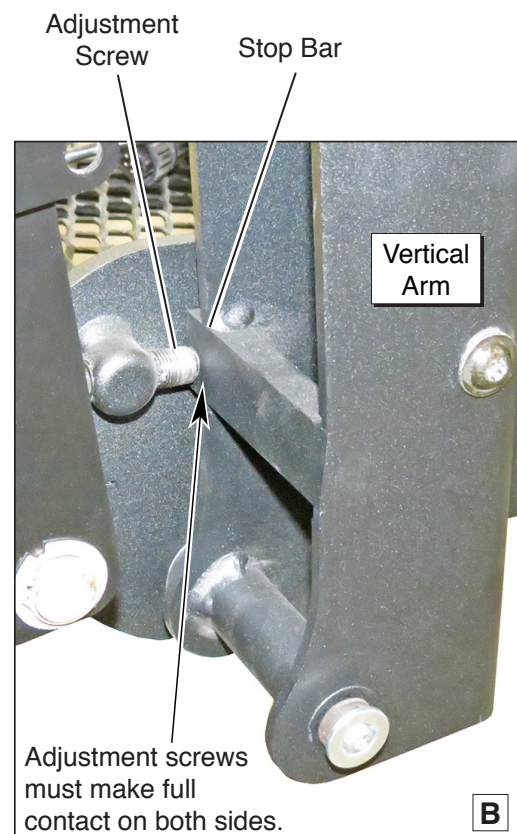


Platform Angle adjustment:

1. Position platform at floor level.
2. To ensure the fold links do not interfere with setting platform angle, loosen the jam nuts on both inner platform links. Facing the inboard end of the platform, turn both links counterclockwise two full turns.
3. Platform angle adjustment Allen screws are provided on each side of the platform (see photo at right).

Turn adjustment screws clockwise to raise the outboard end of the platform. Turn adjustment screws counterclockwise to lower the outboard end of the platform.

Both adjustment screws must make full contact with the stop blocks (bars) in the vertical arms (see photo at right).



Lift Installation Platform Angle Adjustment



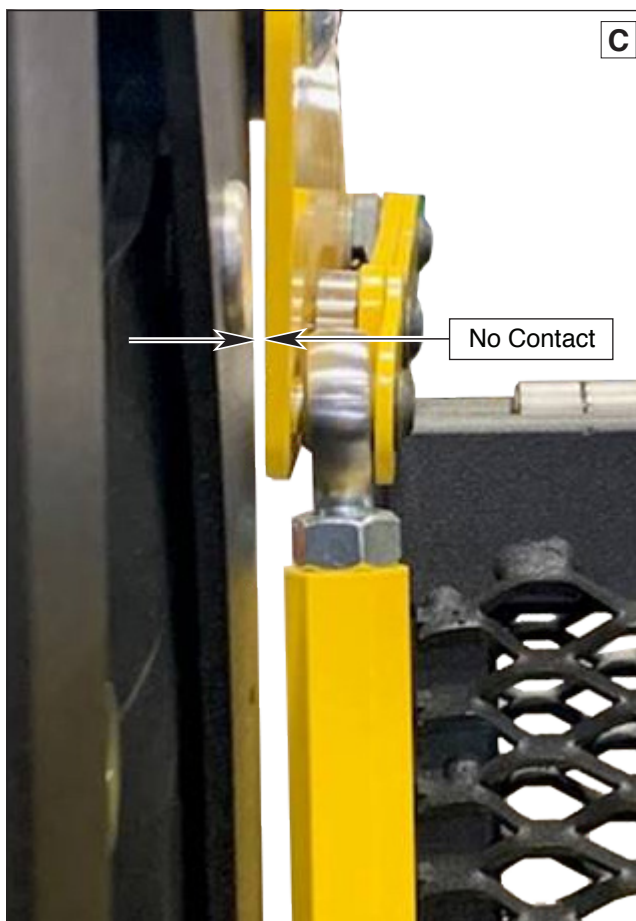
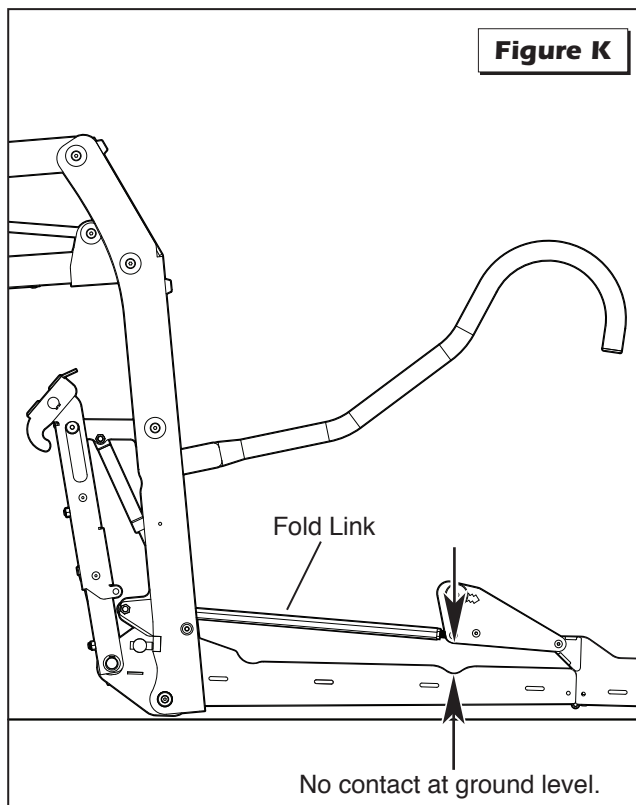
4. Turn one fold link (Figure K) by hand (count turns) to bring both platform halves to the same angle, stop if resistance is felt. Adjust second fold link by hand to match opposite side, stop if resistance is felt. Tighten jam nuts.
5. Verify both platform angle adjustment screws are making full contact with platform stop blocks.
6. Verify fold mechanisms on the outboard end of fold links do not make contact with side plates when platform is at ground level. See Figure K.

Shorten fold links and/or raise platform angle as described in previous steps if there is contact.

7. Stow bumpers may need to be adjusted after changing fold link length. Lower platform to floor level and unscrew bumpers and move carriage bolts one notch inboard for more pressure or outboard for less pressure as needed.
8. Stow platform completely. Test the security of the roll stop by attempting to move it by hand. If it can be moved, adjust bumpers one notch inboard.
9. Verify the fold mechanisms do not contact the vertical channels at full stow. See Photo C. If there is interference, move bumper one notch outboard. If this creates a loose condition, rotate bumper to a non-flattened section or replace.

Floor Level Adjustment:

Following platform angle adjustment, adjust platform floor level positioning as detailed in Tower Microswitch Adjustment. Check platform angle again after performing Tower Microswitch Adjustment procedures.

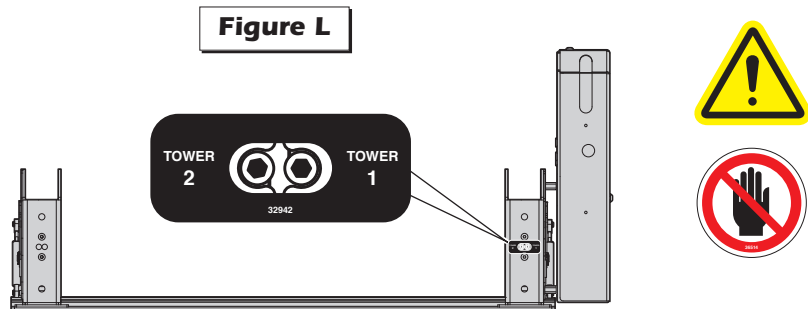


Lift Installation

Tower Microswitch Adjustment



Review adjustment procedures below and adjust as needed only.



Left pump lift depicted. Tower microswitch locations are the same for right pump lifts.

Tower 1 (Unfold) Switch Adjustment

Floor Position from Stow

1. Position platform at the fully stowed position using the manual hand pump or pendant control.
2. Turn switch adjustment screw clockwise 3 full turns.
3. Press pendant UNFOLD switch (continue pressing switch until platform stops unfolding).
4. When platform stops unfolding, turn switch adjustment screw counterclockwise while pressing the pendant UNFOLD switch. Platform position will change. Repeat adjustment until criteria below is met.

Proper Adjustment Criteria:

- Handrail pin should be at the top of the slot in outer fold arm. See Figure M.
- Bridge plate should rest on base plate cover and should overlap a minimum 25 mm (1 in). See Photo C.
- Both platform angle adjustment Allen screws are making full contact with vertical arm stop block bars. See Photo B

Handrail pin at top of slot.

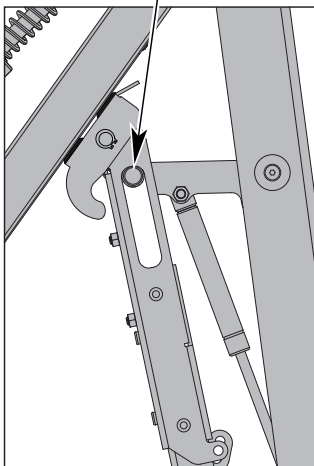


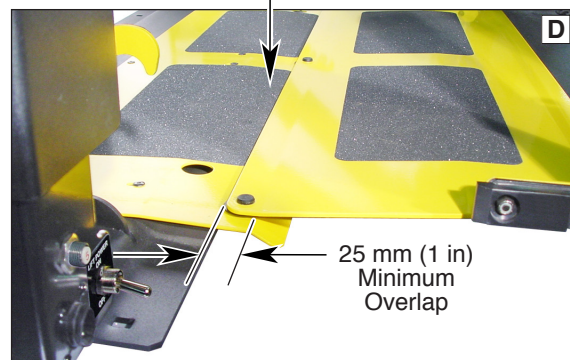
Figure M

Tower 2 (Up) Switch Adjustment

Floor Position from Below Floor

1. Lower platform a minimum of 15.25 cm below floor level position using the manual hand pump or pendant control.
2. Turn switch adjustment screw counterclockwise 3 full turns.
3. Press pendant UP switch (continue pressing switch until platform stops).
4. When platform stops, turn switch adjustment screw clockwise while pressing the pendant UP switch. Platform position will change. Adjust platform to meet criteria listed for Tower 1 Switch "Proper Adjustment Criteria".

Bridge plate should rest on base plate cover.



Partial Stow Switch

Partial Stow to Full Stow Position

The partial stow microswitch is located in the opposite pump side tower and has no adjustment. Switch is deactivated (unpressed) once platform has been stowed to approximately a 45° angle. Full pressure is activated in this position and will allow the platform to stow securely.

Installer Verification

Compatibility between the lift and the vehicle

The installer shall confirm the compatibility between the lift and the vehicle.

Static Test

Deformation

The unladen platform is positioned mid-way between ground level and vehicle floor level and measurements are taken of the height of the platform and its angular attitude relative to the vehicle floor.

A load of 500 kg is applied to the platform and subsequently removed.

By repeating measurements of the height and attitude of the platform, verify that no permanent deformation has occurred in any part of the lift or its attachment to the vehicle which could affect the function of the lift.

Drift

A load of 500 kg is applied to the platform, positioned at floor level. Measurements are taken of the height of the platform and its angular attitude relative to the vehicle floor. These measurements are repeated after a 15 minute test period.

Verify that the vertical drift of the platform between the two measurements has not exceeded 15mm.

Verify that the angular drift of the platform between the two measurements has not exceeded 2°.

Test to Verify that the Lift Cannot Raise Excessive Load

A load of 500 kg is applied to the platform, positioned at ground level. Actuate the UP control and verify that the platform does not raise (tilt is permissible).

1. Lower platform to the ground.
2. Place 500 kg at center of platform.
3. Press UP switch and verify platform does not raise (tilt is permissible).
4. If platform does not raise, proceed to Dynamic Test. If platform does raise, proceed to step 5, PLATFORM UP relief valve adjustment is necessary.
5. Access PLATFORM UP relief valve (see illustration on following page). Loosen 9/16" hex nut on the relief valve adjustment screw (do not remove hex nut).
6. Turn adjustment screw counterclockwise 1/8 turn.
7. Press UP switch and verify platform does not raise (tilt is permissible).
8. If platform does not raise, tighten 9/16" hex nut (do not turn relief valve adjustment screw while tightening hex nut). If platform does lift, repeat steps 6 through 8.

Installer Verification

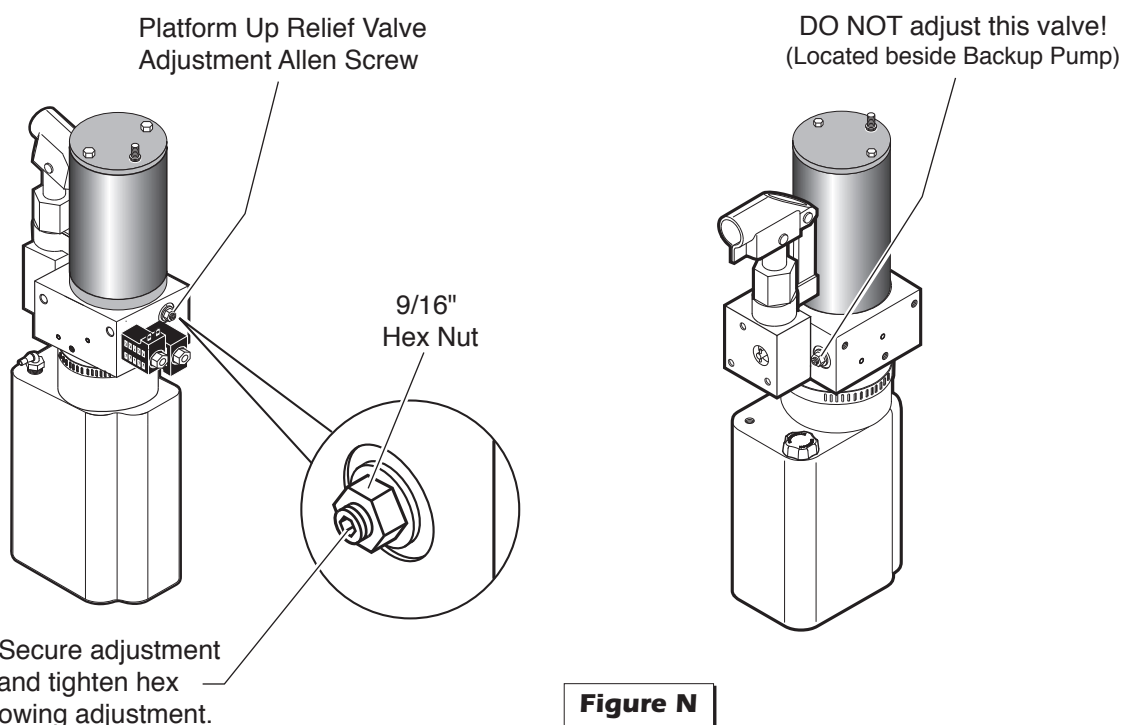
Dynamic Test

With 400 kg applied to the platform, verify that the lift is able to operate throughout its full range of normal lifting and lowering.

1. Lower platform to the ground.
2. Place 400 kg at center of platform.
3. Verify lift is able to operate throughout its full range of normal lifting and lowering movements.
4. If platform is able to operate throughout its full range of normal lifting and lowering movements, no adjustment is necessary. If platform does not lift, proceed to step 5, PLATFORM UP relief valve adjustment is necessary.
5. Access PLATFORM UP relief valve (see Figure N). Loosen 9/16" hex nut on the relief valve adjustment screw (do not remove hex nut).
6. Turn adjustment screw clockwise 1/8 turn.
7. Verify lift is able to operate throughout its full range of normal lifting and lowering movements.
8. If lift does not operate throughout its full range, repeat steps 6 through 8. If lift does operate throughout its full range, tighten 9/16" hex nut (do not turn relief valve adjustment screw while tightening hex nut).
9. Repeat the "Test to Verify that the Lift Cannot Raise Excessive Load" on previous page.

Test of Operations and Safety Functions

All functions of the lift and operations of all safety devices are verified after the static and dynamic tests have been completed. These tests do not apply to pipe break valves nor non-resettable safety devices such as electrical fuses (These items are the subject of a manufacturer's type test).

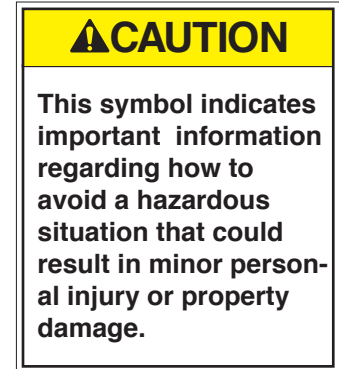
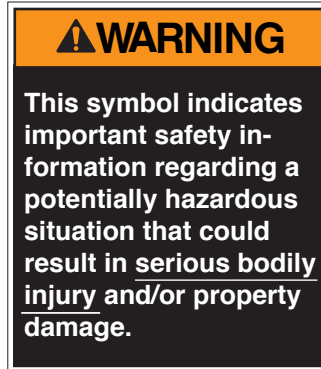


Lift Operation Safety

Safety Symbols

SAFETY FIRST!

The information contained in this manual and supplements (if included), is provided for your use and safety. Familiarity with proper installation, operation, maintenance and service procedures is necessary to ensure safe, trouble-free lift operation. Safety precautions are provided to identify potentially hazardous situations and provide instruction on how to avoid them.



NOTICE

Additional information provided to help clarify or detail a specific subject.



This symbol indicates that there are dangerous energy levels present inside the enclosure of this product. To reduce the risk of fire or electric shock, do not attempt to open the enclosure or gain access to areas where you are not instructed to do so. Refer servicing to qualified service personnel only.



This symbol indicates that a condition where damage to the equipment resulting in injury to the operator could occur if operational procedures are not followed. To reduce the risk of damage or injury, refer to accompanying documents, follow all steps or procedures as instructed.



This symbol indicates a condition where injury or damage could occur if contact is made with the hot surface.



This symbol indicates an area to avoid bodily contact to prevent injury.



This symbol indicates the presence of high pressure hydraulic hoses. Use appropriate personal protective equipment when working on hydraulic system.



This symbol indicates the presence of a fire hazard. Avoid open flames or sparks when working with flammable materials to prevent injury or damage.



This symbol indicates a device weighs in excess of 139kg (306 lbs). Use of a fork lift or hoist is required.

These symbols will appear throughout this manual as well as on the labels posted on your lift. **Recognize the seriousness of this information.**

Lift Operation Safety

Lift Operation Safety Precautions

⚠ WARNING

If the lift operating instructions, manual operating instructions and/or lift operation safety precautions are not fully understood, contact BraunAbility immediately. Failure to do so may result in serious bodily injury and/or property damage.

- ⚠ WARNING** Read manual and supplement(s) before operating lift. Read and become familiar with all safety precautions, operation notes and details, operating instructions and manual operating instructions before operating the lift.
- ⚠ WARNING** Load and unload on level surface only.
- ⚠ WARNING** Engage vehicle parking brake before operating lift.
- ⚠ WARNING** Provide adequate clearance outside the vehicle to accommodate the lift before opening lift door(s) or operating lift.
- ⚠ WARNING** Inspect lift before operation. Do not operate lift if you suspect lift damage, wear or any abnormal condition.
- ⚠ WARNING** Do not use as a link bridge.

- ⚠ WARNING** Keep operator and bystanders clear of area in which the lift operates.
- ⚠ WARNING** Lift attendant must observe passenger at all times during lift operation.
- ⚠ WARNING** Ensure adequate lighting exists in the lift operating area.
- ⚠ WARNING** Whenever a wheelchair passenger (or standee) is on the platform, the:
 - Passenger must be positioned fully inside yellow boundaries facing outward.
 - Wheelchair brakes must be locked
 - Bridge plate and roll stop must be up (vertical)
 - Roll Stop latch must be fully engaged
 - Passenger should grip both handrails (if able).
- ⚠ WARNING** Wheelchair lift attendants should be instructed on any special needs and/or procedures required for safe transport of wheelchair passengers.
- ⚠ WARNING** Load and unload clear of vehicular traffic.
- ⚠ WARNING** Do not attempt to load or unload a passenger in a wheelchair or other apparatus that does not fit on the platform area.
- ⚠ WARNING** The lift attendant shall not ride on the platform with the passenger. The lift is intended for use by a single passenger.
- ⚠ WARNING** Do not overload or abuse. The load rating applies to both the raising and lowering functions.
- ⚠ WARNING** Use caution when operating this equipment out of doors during electrical storms or similar electrical phenomena.
- ⚠ WARNING** Use caution when operating this equipment in severe weather or environmental conditions (fog, rain, snow, ice, dust, etc.)
- ⚠ WARNING** Discontinue lift use immediately if any lift or vehicle interlock does not operate properly.
- ⚠ WARNING** Do not operate or board the lift if you or your lift operator are intoxicated.

Lift Operation Safety

Lift Operation Safety Precautions

- ⚠WARNING** Do not raise front wheelchair wheels (pull wheelie) when loading, boarding, or riding on the platform.
- ⚠WARNING** Open lift door(s) fully and secure before operating lift.
- ⚠WARNING** Position and secure (buckle, engage, fasten, etc.) the wheelchair-equipped occupant seat belt (torso restraint) before loading onto the wheelchair lift platform.
- ⚠WARNING** Lift attendants must ensure that lift occupants keep hands, arms and all other body parts within the lift occupant area and clear of moving parts.
- ⚠WARNING** Platform must be positioned at floor level (bridging position) when loading or unloading in and out of vehicle.
- ⚠WARNING** Do not use platform bridge plate or roll stop as a brake. Stop and brake wheelchair when loading onto the platform (manually stop and brake manual wheelchairs — stop powered wheelchairs with the wheelchair controls).
- ⚠WARNING** Turn powered (electric) wheelchairs off when on lift platform.
- ⚠WARNING** Press the DOWN switch until the entire platform rests on ground level (lowered fully) and the roll stop is fully unfolded (ramp position) before loading or unloading a passenger at ground level.
- ⚠WARNING** Roll stop must be fully unfolded (ramp position) until front and rear wheelchair wheels cross the barrier when loading or unloading at ground level.
- ⚠WARNING** Accidental activation of control switch(es) may cause unintended operation(s).
- ⚠WARNING** Replace missing, worn or illegible decals.
- ⚠WARNING** Never modify (alter) a BraunAbility lift.
- ⚠WARNING** Do not use accessory devices not authorized by BraunAbility.
- ⚠WARNING** Do not remove any guards or covers.
- ⚠WARNING** Keep clear of any hydraulic leak.
- ⚠WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.
- ⚠WARNING** Contact your authorized BraunAbility dealership or technician to schedule routine maintenance and inspection of your lift.

Lift Operating Instructions



Before lift operation, park the vehicle on a level surface, away from traffic. Place the vehicle transmission in “Park” and engage the parking brake. Vehicle engine must be running.

Lift Operating Instructions address operation of the lift only.

Vehicle Doors and Vehicle Interlocks: Transit vehicle lift doors and interlocks vary. Procedures to operate them vary also. Lift operators (attendants) must become familiar with the vehicle lift access door system and vehicle interlock(s).

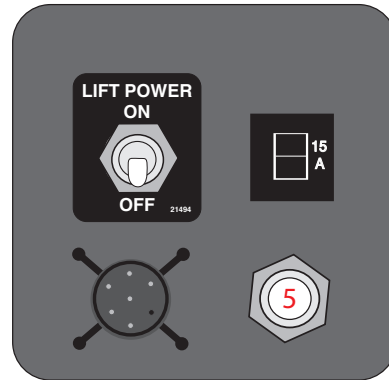
Manual Door(s): Open manual doors fully and secure in full open position before operating the lift.

Do not operate the lift if you suspect lift damage, wear, or any abnormal condition. Refer to the Manual Operating Instructions to manually operate lift.

Lift Power ON/OFF Switch: This switch must be in the ON position in order to activate the lift. The lift power switch is located at the lower out-board base of the pump module. The hand-held pendant control plugs in at this panel.

Next to the lift power switch is a smaller circuit breaker marked “15 A.” This switch is used to reset this breaker.

The circuit breaker marked “5” is used to reset the corresponding circuit.



Hand-held Pendant Control: The hand-held attendant’s pendant control is equipped with two rocker switches.



Control Switch Functions:

UP: From ground level, the UP function will raise (rotate) the roll stop to the vertical position. The platform then raises to floor level position.

DOWN: From floor level, the DOWN function lowers the platform to ground level and then unfolds (lowers) the roll stop to the ramp (horizontal) position.

FOLD: From floor level, the FOLD function folds the platform inward to the stowed position.

UNFOLD: From stowed position, the UN-FOLD function unfolds the platform outward to the floor position.

Note: If any functions do not occur as described, discontinue lift use immediately.

Lift Operating Instructions

Before lift operation, park on a level surface, away from vehicular traffic. Place the vehicle

transmission in "Park" and engage the parking brake. Vehicle engine must be running. Refer

to the Manual Operating Instructions to manually operate lift.



OPEN DOOR(S) AND SECURE



TO UNFOLD PLATFORM:

Stand clear and press the UNFOLD switch until the platform stops (reaches floor level - unfolds fully). Release switch.

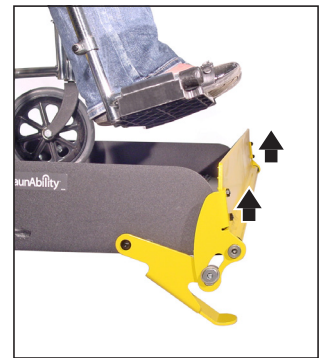


Notice: In event platform does not unfold, press FOLD switch to release Lift-Tite™ latches.

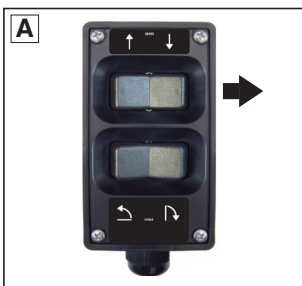


TO UNLOAD PASSENGER:

1. Read Notice below! Load passenger onto platform and lock wheelchair brakes.



Notice: Passenger must be positioned fully inside yellow boundaries, and roll stop must be UP.



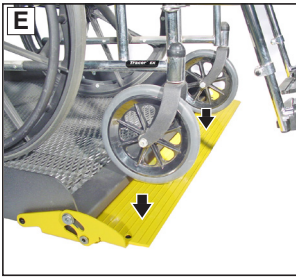
2. Press DOWN switch until the entire platform reaches ground level (see Photo B) and the roll stop unfolds fully (ramp position). See Photo C. Release switch.



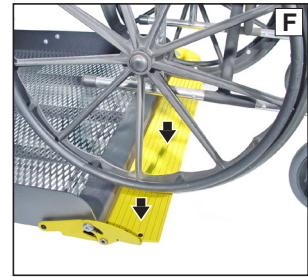
3. Unlock wheelchair brakes and unload passenger from platform.



Lift Operating Instructions



Notice: Roll stop must be fully unfolded (ramp position) until the entire wheelchair (or standee) has crossed the roll stop. See Photos E and F.



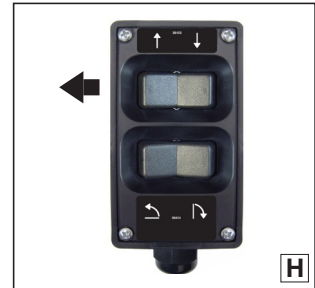
TO LOAD PASSENGER:



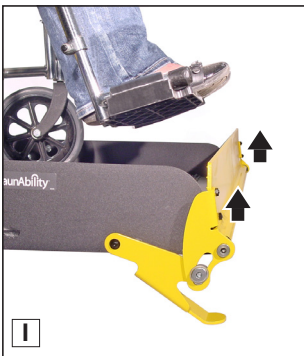
1. Read Notices below! Load passenger onto platform and lock wheelchair brakes. See Photo G.

Notice: Roll stop must be fully unfolded (ramp position) until the entire wheelchair (or standee) has crossed the roll stop. See Photos E and F.

Notice: Passenger must be positioned fully inside yellow boundaries.



2. Press ↑ UP switch (Photo H) to fold roll stop UP fully (vertical - see Photo I), and raise the platform to floor level. See Photo J. Release switch.



3. Unlock wheelchair brakes and unload passenger from platform.

TO FOLD PLATFORM:

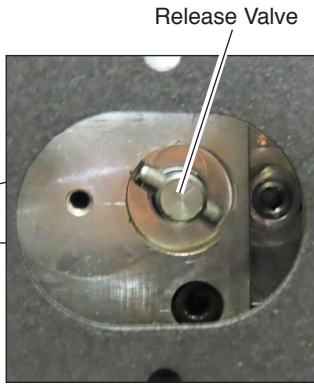
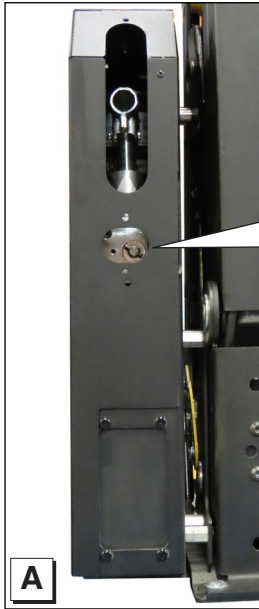


- Press ↶ FOLD (In) switch until platform stops (fully folded). See Photos K and L. Release switch

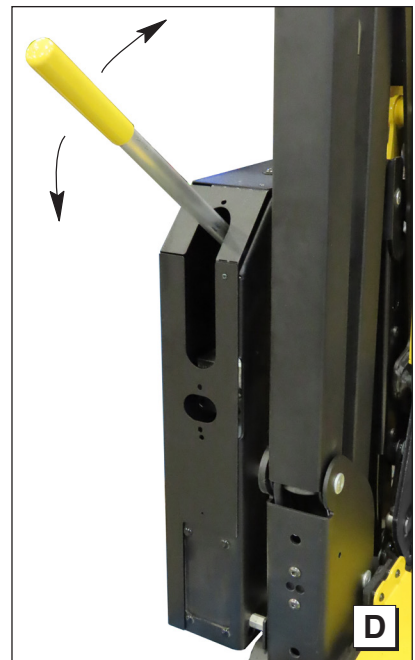
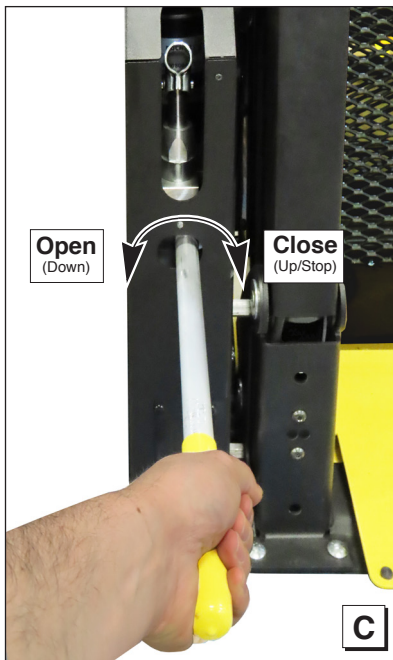
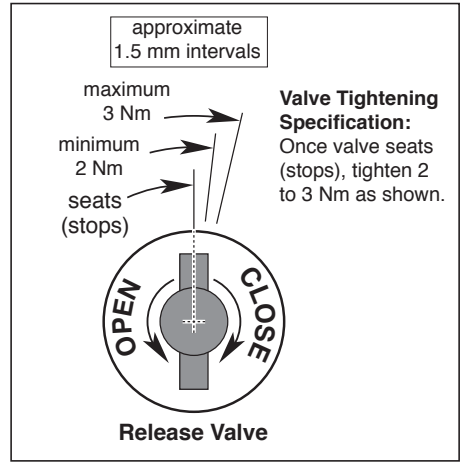
CLOSE DOOR(S)



Manual Operating Instructions

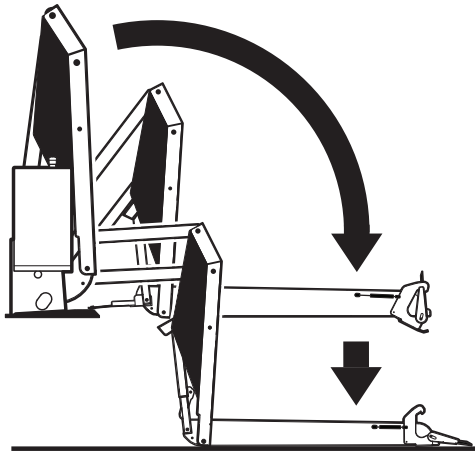


Notice: Close backup pump release valve securely before operating electric pump.



Notice: Bridge plate and roll stop automatically function during manual operations.

Manual Operating Instructions



To Unfold Platform (Out):

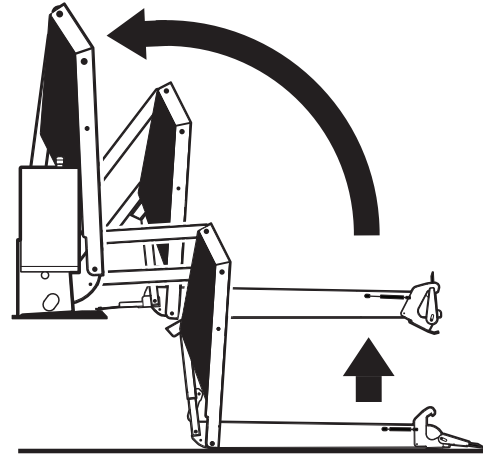
Using hand pump handle (Photo B):

1. Close hand pump valve (place slotted end of pump handle onto release valve and turn clockwise). See Photo C.
2. Insert handle in pump and stroke until platform folds fully (stops). See Photo D.
3. Open hand pump valve (turn counterclockwise) until platform reaches floor level. Open 1/4 turn only.
4. Close hand pump valve (turn clockwise).

Notice: Valve must be tight, but do not overtighten.

Down (To Lower):

Place slotted end of pump handle onto release valve and turn counterclockwise (open 1/4 turn only) until the platform reaches ground level and the roll stop unfolds. See Photo C.



Up (To Raise):

Using hand pump handle:

- a. Place slotted end of pump handle onto release valve and turn clockwise to close securely. See Photo C.

Notice: Valve must be tight, but do not overtighten.

- b. Insert handle into back-up pump and stroke until platform reaches floor level (see Photo D).

To Fold Platform (In):

Insert handle in pump and stroke until platform stops (folds fully). See Photo D.

Notice: Close release valve securely before operating electric pump. Store pump handle in clamps shown in Photo B.

Declaration of Conformity

Issued by BraunAbility Safety Centre in Stenkullen, Sweden.

Manufacturer: The Braun Corporation
Address: 631 West 11th Street, Winamac, IN 46996 United States

Authorized Representative and Importer into EU:

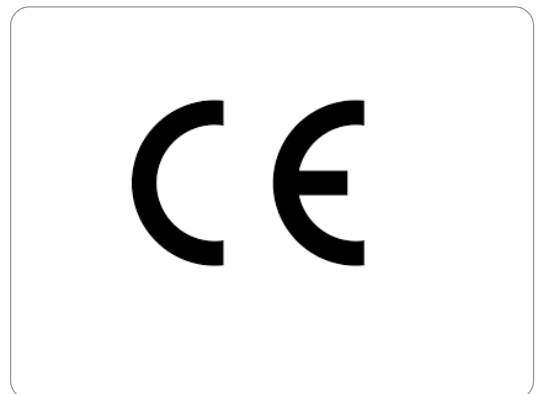
Manufacturer: BraunAbility Europe AB
Address: Åkerivägen 7, 443 61 Stenkullen, Sweden
Telephone: +46 302 254 00
E-mail: info@braunability.eu
Internet: www.braunability.eu

Declares that the Product:

Product name: Braun Double Parallel Arm lift
Model: All versions 12/24 volts system

Conforms to the following Directives, Standards and Regulations

2006/42
ECE R-10
ECE R-17
EN 1756-2:2004 + A1 2009
EN 50489: 2010
ISO EN 12100-1/2
ISO 7637-2: 2011
CISPR 25:2008
ECE R-107 Rev. 5
EN 60204
ISO 14121-2: 2012
EN 11202
REACH
GADSL
RoHS



Stenkullen, 2019-03-19
BraunAbility Europe AB



Jan M Jensen
Managing Director

Owner Manual

International
Inboard Lift

E Series

Folding Platform

Public Use
Wheelchair Lifts

Manufacturing Revision Level: Rev. **A**

BraunAbility® Limited Warranty

Consult your local BraunAbility® dealer regarding warranty policy.

www.braunability.com/international

AU Designs Registered and Pending



www.braunability.com/international ISO 9001:2015

631 West 11th Street, Winamac, IN 46996, USA

Phone: +1 574 946 6153

Fax: +1 574 946 4670