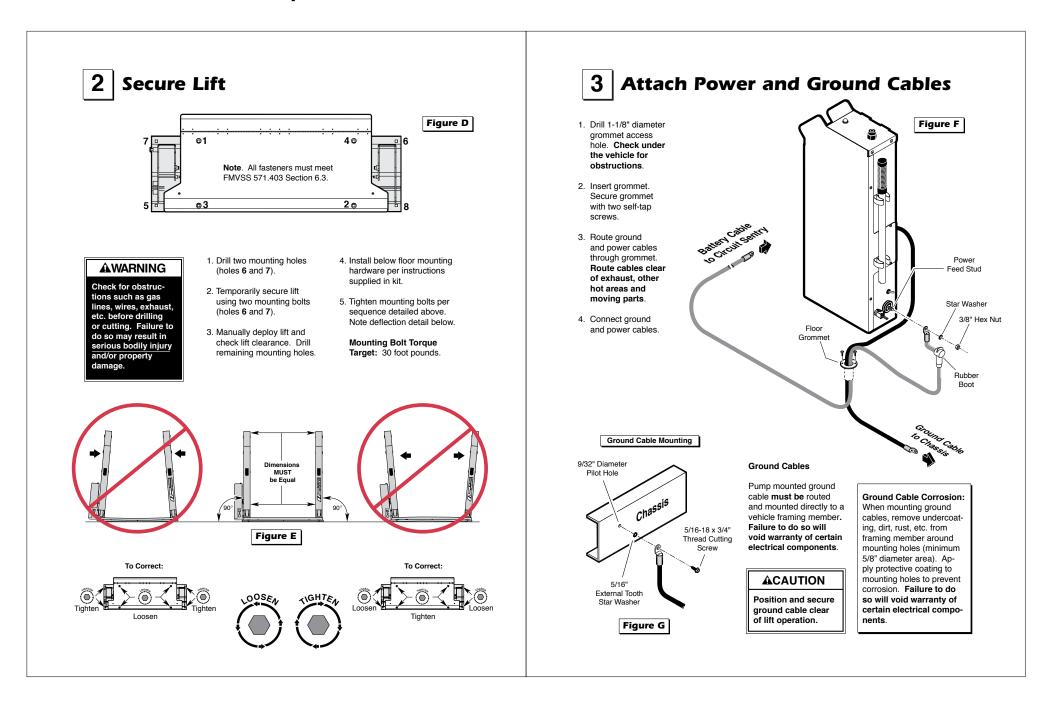
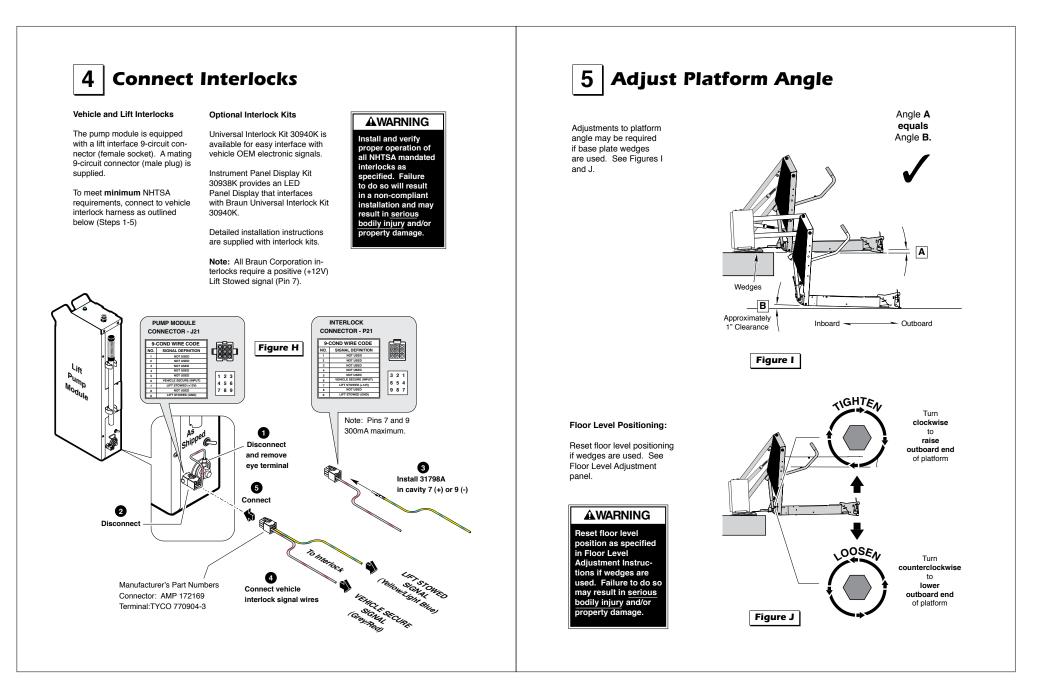
Braun Corporation FMVSS No. 403 Quick Reference Installation Sheet 32494

Braun Corporation FMVSS No. 403 Position Lift Quick Reference Installation Sheet 32494 Installation Kit Extended Installation Kits 30955K supplied "DOT — Private Use Lift" Length Standard Length Chassis in lift parts box. Chassis Detailed instructions Vehicle Side Door Rear Door Rear Door **NHTSA Vehicle Physical Requirements** supplied in kits. 30956K 30957K 30970K-42 Ford * Rear Bumper GM/Chevy 30958K *30959K *30981K OEM (Van) Chassis "DOT - Private Use Lift" verifies this Replacement Kit Floor Requirements platform lift meets only the "private use lift" 19395A96 required. Align Align requirements of FMVSS No. 403. This lift (Parallel) (Parallel) may be installed on all vehicles appropriate Nonmodified OEM full for the size and weight of the lift, except for size floors meet all buses, school buses, and multi-purpose requirements. passenger vehicles other than motor homes Alternative floor with a gross vehicle weight rating (GVWR) that exceeds 4,536 kg (10,000 lb). structures are allowed providing the installed lift system passes all FM-VSS 403 requirements. Vertical Arm Vertical Arm must clear must clear door opening. door opening. Center lift in door opening. В A 90° Lift towers and vertical arms must be parallel (aligned) with vertical sides ◆ Side to Side Alignment ◆ of door jamb and perpendicular (90°) Figure B to the vehicle floor. С Inboard Edge of Threshold Warning (Top) Plate Figure A (with plate folded down) 0 0 **Door Opening Dimensions** Minimum per Vehicle lift access door opening FMVSS No. 403 18" 18" must meet specified dimensions. NVL955IB3144 C 0 Minimum Clear Door Α 47" Figure C Opening Height в 40" Clear Door Opening Width Edge of Finished Floor or Stepwell Filler 42" С Maximum Floor-to-Ground (not outboard edge of vehicle)





6 Platform Floor Level Adjustment

Platform Floor Level Position Adjustment:

- 1. Position platform at desired floor level position (passenger loading/unloading height).
- Note: Position platform such that: a. the inner roll stop is laying flat on the threshold plate
- b. platforrm has not begun to fold
- 2. Turn Lift Power switch Off.
- 3. Press Floor Level Set button (located between pump housing and lift tower).
- 4. While pressing the Floor Level Set button, turn the Lift Power switch On.
- 5. Continue pressing the Floor Level Set button until the lift sounds three "beeps."
- 6. Release the Floor Level Set button.
- 7. Cycle lift to verify that platform stops at the set floor level position.

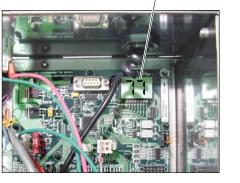
Diagnostic codes have been established in event the lift platform floor position does not set (the lift does not sound three "beeps" - see Step 5 above). The control board located inside the pump housing is equipped with an LCD screen. Remove the pump cover to access the LCD screen. The following diagnostic codes will help resolve floor position setting problems:

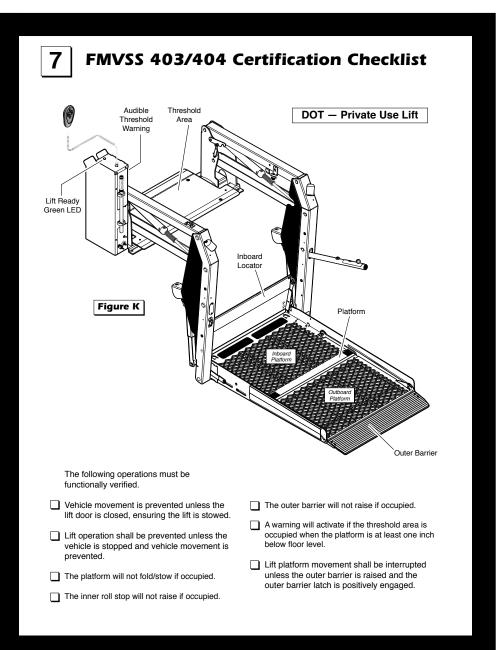
- 91 The platform position is out of a predetermined acceptable range
- 92 The Bridge Microswitch is not activated (adjust switch or lower the platform)
- 94 The Outer Barrier Up switch is not activated (adjust switch)
- 95 The Outer Barrier Latched sensor is not activated.



Floor Level Set Button

LCD Screen





Lift Operating Instructions



To Open Door(s):

Automatic Door Operator(s):

Press yellow OPEN switch until door(s) are fully open. Release switch.

Manually open door(s) fully and

Manual Door(s):

secure.





3. Unlock wheelchair brakes and unload passenger from platform.

Note: Outer barrier must be fully unfolded (ramp position) until the entire wheelchair has crossed the outer barrier. See Photos K and L.





To Unfold Platform (Out):

To Unload Passenger:

1. Read notes below! Load passen-

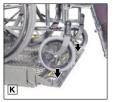
ger onto platform facing outward and lock wheelchair brakes.

Note: Outer barrier must be UP

and outer barrier latch must be fully engaged before loading passenger onto platform. Lower head to clear vehicle door jamb header.

Press UNFOLD (orange OUT) switch (see Photo B) until platform stops (unfolds fully - reaches floor level). See Photos C and D. Release switch.







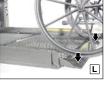


- ing outward and lock wheelchair brakes.

unfolded (ramp position) until the entire wheelchair has crossed the outer barrier. See Photos K and L.

- 2. Press red UP switch until platform stops (reaches floor level). Release switch.
- Switch Arm Switch: Slide knob out to UP position.

Note: Outer barrier must be UP and outer barrier latch must be fully engaged before raising platform. Platform will raise above ground level approximately two inches before latch engages fully.



To Load Passenger:

1. Load passenger onto platform fac-

Note: Outer barrier must be fully





- DOW G
- 2. Press red DOWN switch until the entire platform reaches ground level (stops) and outer barrier unfolds fully (see Photos H and I). Release switch.
- Switch Arm Switch: Slide knob in to DOWN position. See Photo G.











Lift Operating Instructions



To Load Passenger (continued):

3. Unlock wheelchair brakes and load passenger from platform into vehicle. Note: Lower head to clear door jamb header.

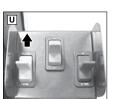




To Fold Platform (In):

Press FOLD (orange IN) switch until platform stops (fully folded). Release switch.





To Close Door(s): Automatic Door Operator(s):

Press yellow CLOSE switch until door(s) are fully closed. Release switch.

Manual Door(s):

Manually close door(s) fully

Manual Operating Instructions

If you experience power or equipment failure, refer to the Manual Operating Instructions to operate the lift. Instructions and photos are provided for all steps that

differ from standard lift operation procedures. Manual Instructions Decal 31894 (posted on pump cover) provides manual operating instructions also. Refer to the Lift Operating Instructions for all normal lift operation procedures (such as loading and unloading passengers). Follow all Lift **Operation Safety Precautions!**



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overtighten.

Outer Barrier):

To Unfold Platform (Out):

Using hand pump handle:

a. Place slotted end of pump handle onto back-up pump release valve and turn

counterclockwise (open - 1/2 turn

only) until the platform reaches floor

level (fully unfolded). See Photo B.

(close) to stop the platform. See Photo

Note: Valve must be tight, but do not

DOWN (To Lower Platform and Unfold

Place slotted end of pump handle onto

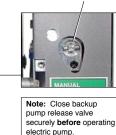
counterclockwise (open - 1/2 turn only)

and/or outer barrier unfolds. See Photo B.

back-up pump release valve and turn

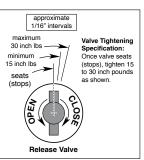
until the platform reaches ground level

b. Turn the release valve clockwise



Release Valve







UP (To Fold Outer Barrier and Raise Platform):

Using hand pump handle:

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

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

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

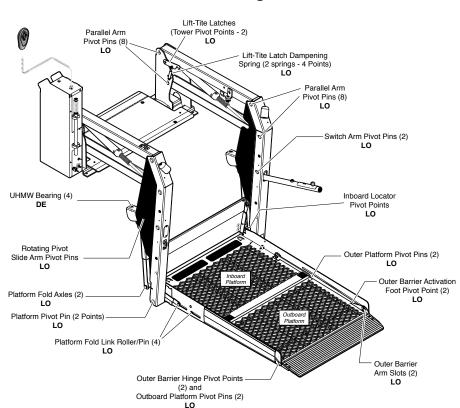
To Fold Platform (In):

Insert handle into back-up pump and stroke until platform stops (folds fully). See Photo C.

Note: Close back-up pump release valve securely before operating electric pump.

Maintenance and Lubrication

Lubrication Diagram



See the Maintenance/Lubrication Schedule for recommended applications per number of cycles.

	5	Specified (recommended)	Available	Braun	
Lubricant	Туре	Lubricant	Amount	Part No.	
LO - Liaht Oil	Light Penetrating Oil	LPS2, General Purpose	11 oz.	15807	
Lo Lighton	(30 weight or equivale	nt) Penetrating Oil	Aerosol Can	15807	
DE - Door-Ease	Stainless Stick	Door-Ease	1.68 oz.	15806	
DE - D001-Lase	Style (tube)	Stick (tube)		15600	
LG - Light Grease	Light Grease	Lubriplate	14 oz.	15805	
La - Ligitt Grease	(Multipurpose)		Can	10000	

Maintenance and Lubrication Schedule

intervals following the

maintenance. These

intervals are a general

guideline for scheduling

maintenance procedures

to lift use and conditions.

Lifts exposed to severe

conditions (weather, envi-

ronment, contamination,

heavy usage, etc.) may

require inspection and

to be performed more often than specified.

maintenance procedures

and will vary according

scheduled "4500 Cycles"

Proper maintenance is necessary to ensure safe, troublefree operation. Inspecting the lift for any wear, damage or other abnormal conditions should be a part of a regular service program. Simple inspections can detect potential problems.

The maintenance and lubrication procedures specified in this schedule **must** be performed by a Braun authorized service representative at the scheduled intervals according to the number of cycles.

Braun dual parallel arm lifts are equipped with hardened pins and self-lubricating bushings to decrease wear, provide smooth operation and extend the service life of the lift.

When servicing the lift at the recommended intervals, inspection and lubrication procedures specified in the previous sections should be repeated. **Clean** the components and the surrounding area **before applying lubricants**. LPS2 General Purpose Penetrating Oil is recommended where Light Oil is called out. Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to the components. Platform components exposed to contaminants when lowered to the ground may require extra attention.

Lift components requiring grease are lubricated during assembly procedures. When these components are replaced, grease must be applied during installation procedures. Specified lubricants are available from The Braun Corporation (part numbers provided above).

All listed inspection, lubrication and maintenance procedures should be repeated at "750 cycle"

Maintenance and lubrication procedures must be performed as specified by an authorized service technician. Failure to do so may result in serious bodily injury and/or property damage.

Maintenance Indicator: The Lift Ready green LED mounted on top of the pump cover will begin to blink after every 750 cycles. The blinking LED will not affect the functions of the lift, but is a reminder to complete necessary maintenance and lubrication.

Once the lift has been serviced, fully stow the lift. Once stowed, press the UP button on the hand pendant and the Floor Level Set button on the back side of the pump cover until the Lift Ready green LED stops blinking.

Discontinue lift use immediately if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage or improper operation. Contact your sales representative or call The Braun Corporation at 1-800-THE LIFT. One of our national Product Support representatives will direct you to an authorized service technician who will inspect your lift.

	Outer barrier hinge pivot points (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier arm slots (2)	Apply Light Oil - See Lubrication Diagram
	Outboard platform pivot pins (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier activation foot pivot pins (2)	Apply Light Oil - See Lubrication Diagram
	Platform fold link rollers and pins (4 sets)	Apply Light Oil - See Lubrication Diagram
750 Cycles	Outer platform pivot pins (2)	Apply Light Oil - See Lubrication Diagram
-	Lift-Tite [™] latches (tower pivot points - 2)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite [™] latch gas (dampening) spring pivot points (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite [™] latches and gas springs for wear or damage (bent, deformed or misaligned), posi- tive securement (external snap rings) and proper operation	Resecure, replace defective parts or otherwise correct as needed. Note: Apply Light Grease to Lift-Tite [™] latch tower pivot point if replacing latch.

Braun Corporation FMVSS No. 403 Quick Reference Installation Sheet 32494

	Maintenance and Lubri	cation Schedule		Maintenance and Lubri	cation Schedule
750 Cycles	Inspect outer barrier for proper operation Inspect lift for wear, damage or any abnormal condition Inspect lift for rattles	Correct or replace defective parts. Correct as needed. Correct as needed.	1500 Cycles	Remove pump module cover and inspect: • Hydraulic hoses, fittings and connections for wear or leaks • Harness cables, wires, terminals and connections for securement or damage • Control board, circuit breaker, power switch and lights for securement or damage	Resecure, replace or correct as needed.
1 500 Cycles	Perform all procedures listed in previous section als Platform pivot pin bearings (2) Platform fold axles (2) Inboard locator lever bearings (2) Inboard locator lever slot (2) Rotating pivot slide arm pivot pins (2) Parallel arm pivot bearings (16) Switch arm pivot bearings (16) Switch arm pivot pin bearings (4) Hydraulic cylinder bushings (8) Inspect Lift-Tite" latch rollers for wear or damage, positive securement and proper operation (2) Inspect patform fold gear rack and gear weldment teeth for foreign objects, wear or damage (bent, deformed or misaligned), positive securement and proper operation Inspect switch arm components for wear or damage, and for proper operation Inspect microswitches for securement and proper adjustment. Make sure lift operates smoothly Inspect wear and proper operation Inspect microswitches for securement and proper adjustment. Make sure lift operates smoothly Inspect wearent snap rings / e-clips: • Fotating pivot slide arm roller axles (2 per axle) • Platform fold axles (1 per axle) • Platform fold axles (1 per axle) • Inboard locator lever bracket pins (1 per pin) • Lift-Tite" latch gas (dampening) spring (2 per spring) • Inspect platform fold axles	Apply Light Oil - See Lubrication Diagram Apply Light Oil - See Lubrication Diagram Correct, replace defective parts and/or relubricate. Resecure, replace or correct as needed. See Platform Angle Instructions. Remove foreign objects, replace defective parts and secure as needed. Replace defective parts. Resecure, replace or adjust as needed. Resecure, replace or adjust as needed. Resecure, replace or adjust as needed. Resecure or replace if needed.	4500 Cycles	Perform all procedures listed in previous section als Inspect cotter pins on platform pivot pin (2) Hydraulic Fluid (Pump) - Check level. Note: Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fit- tings, seals, etc.) for leaks if fluid level is low. Inspect the hydraulic system (cylinder, hoses, fit- tings, seals, etc.) for leaks if fluid level is low. Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks Inspect parallel arms, bushings and pivot pins for visible wear or damage Inspect parallel arm pivot pin mounting bolts (8) Inspect upper/lower fold arms, rotating pivot silde arms, slide support arms and associated pivot pins, bushings, and bearings for visible wear or damage. proper operation and positive securement Inspect vertical arm plastic covers Inspect and Antiskid Decals and Antiskid	 Resecure, replace or correct as needed Use Dextron III transmission fluid. Check fluid level with platform lowered fully and roll stop unfolded fully. Fill to within 1/2" of the bottom of the 1-1/2" fill tube (neck). Tighten, repair or replace if needed. Replace if needed. Tighten or replace if needed. Replace defective parts and resecure as needed. Apply Light Grease during reassembly procedures. Replace if needed. Tighten, replace or correct as needed Apply Door-Ease or replace if needed. Resecure or replace if needed. Resecure, repair or replace if needed. Resecure, repair or replace if needed. Resecure, sea the ended is needed. Resecure or replace if needed. Resecure or seplace if needed. Replace decats if worn, missing or illegible. Replace antiskid if worn or missing.