



Vehicle and Lift Interlocks

The pump module is equipped with a lift interface 9-circuit connector (female socket). A mating 9-circuit connector (male plug) is supplied.

To meet minimum NHTSA requirements, connect to vehicle interlock harness as outlined below (Steps 1-5)

Optional Interlock Kits

Universal Interlock Kit 30940K is available for easy interface with vehicle OEM electronic signals.

▲WARNING

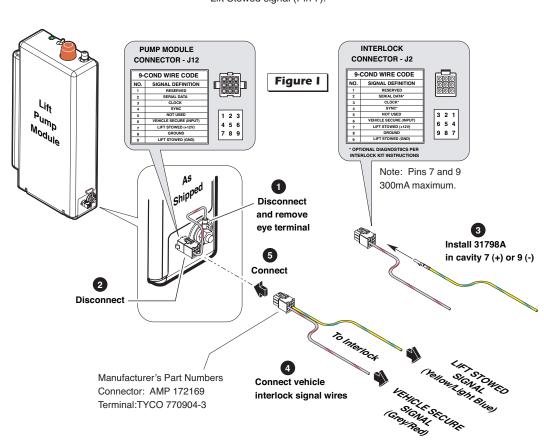
nstall and verify

to do so will result

Instrument Panel Display Kit 30938K provides an LED Panel Display that interfaces with Braun Universal Interlock Kit

Detailed installation instructions are supplied with interlock kits.

Note: All Braun Corporation interlocks require a positive (+12V) Lift Stowed signal (Pin 7).



5 Adjust Platform Angle

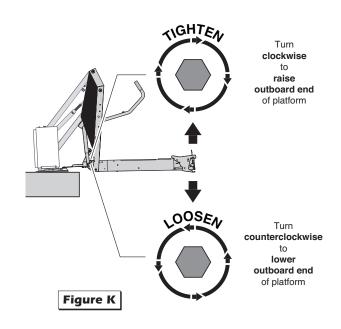
Angle A equals Angle B angle may be required if base plate wedges are

Figure J

Floor Level Positioning:

Reset floor level positioning if wedges are used. See Microswitch Adjustment Instructions at right.





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 b. platforrm has **not** begun to fold

- 2. Turn Lift Power switch Off.
- 3. Press Floor Position Set button (located between pump housing and lift tower).
- 4. While pressing the Floor Position Set button, turn the Lift Power switch On.
- 5. Continue pressing the Floor Position Set button until the lift sounds three "beeps."
- 6. Release the Floor Position Set button.
- 7. Cycle lift to verify that platform stops at the set floor level position.

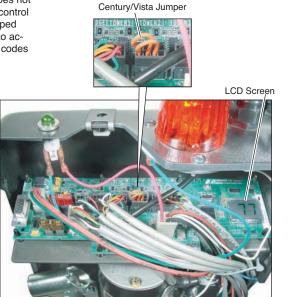
Diagnostic codes have been established in event the lift platform floor position does not set (the lift does not sound three "beeps" - see Step 5 above). The control board located inside the pump housing is equipped with an LCD screen. Remove the pump cover to access the LCD screen. The following diagnostic 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) 93 - The Inner Roll Stop Occupied switch is
- not activated (adjust switch) 94 - The Outer Barrier Up switch is not activated (adjust switch)

95 - The Outer Barrier Latched sensor is not activated (Century and Vista: Verify jumper is installed on the outboard barrier latch switch - see photo at right; Millennium: Check latch)



Floor Level Set Button





☐ The platform will not fold/stow if occupied.

The inner rollstop will not raise if occupied.

The outer barrier will not raise if occupied.

☐ Verify platform lighting when lift is deployed

and pendant illumination when lift is powered.

- occupied when the platform is at least one inch below floor level.
- Lowering the platform beyond the inner rollstop locking position is allowed only when the inner rollstop is locked in position.
- Lift platform movement shall be interrupted unless the outer barrier is raised and the outer barrier latch is positively engaged.

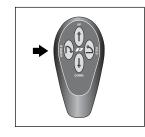
Lift Operating Instructions

OPEN DOOR(S) AND SECURE

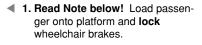
TO UNFOLD PLATFORM:

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

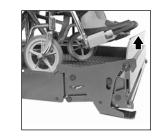
Note: In event platform does not unfold, press FOLD switch to release Lift-Tite™ latches.



TO UNLOAD PASSENGER:



Note: Passenger must be positioned fully inside yellow boundaries, outer barrier must be UP and outer barrier latch **must** be engaged.



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





3. Unlock wheelchair brakes and unload passenger from platform.

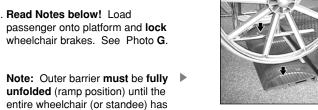
Note: Outer barrier must be fully unfolded (ramp position) until the entire wheelchair (or standee) has crossed the outer barrier. See Photos E and F.



TO LOAD PASSENGER:

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

crossed the outer barrier. See



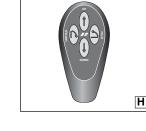


Note: Passenger must be positioned fully inside yellow

Photos E and F.



2. Press UP switch (Photo H) to fold outer barrier UP fully (vertical see Photo I). and raise the platform to **floor level**. See Photo J. Release switch.

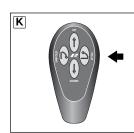


3. Unlock wheelchair brakes and unload passenger from platform.



TO FOLD PLATFORM:

CLOSE DOOR(S)

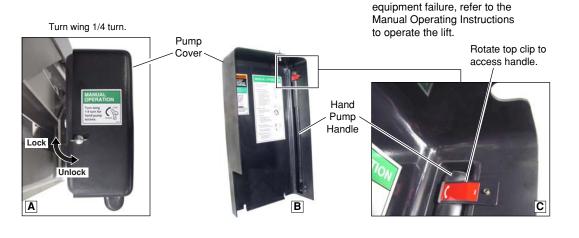


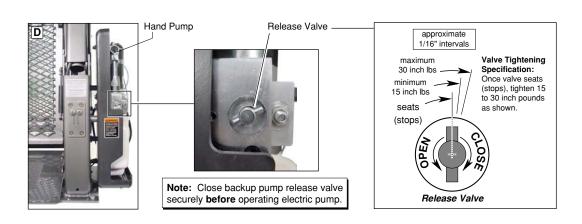
Press FOLD (In) switch until platform stops (**fully** folded). See Photos K and L. Release switch.

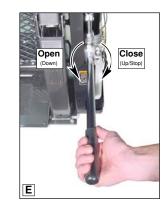


Manual Operating Instructions

If you experience power or







TO REMOVE PUMP COVER:

Turn wing nut located on top 1/4 turn and lift pump cover off. See Photo A.

TO REMOVE PUMP HANDLE:

Rotate top clip to remove pump handle. See Photos B and C.

TO UNFOLD PLATFORM (OUT):

Using hand pump handle (Photo E):

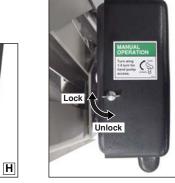
- 1. Close hand pump valve (place slotted end of pump handle onto backup pump release valve and turn
- 2. Insert handle in pump and stroke until platform folds fully (stops). See Photo F.
- Open hand pump valve (turn counterclockwise) until platform reaches floor level. Open 1/2 turn
- 4. Close hand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

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

DOWN (TO LOWER):

Place slotted end of pump handle onto backup pump release valve and turn counterclockwise (open — 1/2 turn only) until the platform reaches ground level and outer barrier unfolds.





Pump

UP (TO RAISE):

See Photo E.

overtighten.

See Photo F.

level (see Photo F).

TO FOLD PLATFORM (IN):

TO STORE PUMP HANDLE:

2. Rotate top clip to secure (lock)

TO INSTALL PUMP COVER:

cover. See Photo G.

lock cover. See Photo I.

See Photo H.

Position cover over module back

2. Align outside cover lip with bottom

cover offset and insert outside cover.

3. Insert wing stud and rotate 1/4 turn to

clip. See Photo B.

Using hand pump handle:

1. Place slotted end of pump handle

turn clockwise to close securely.

2. Insert handle into backup pump and

stroke until platform reaches floor

Insert handle into backup pump and

stroke until platform stops (folds fully).

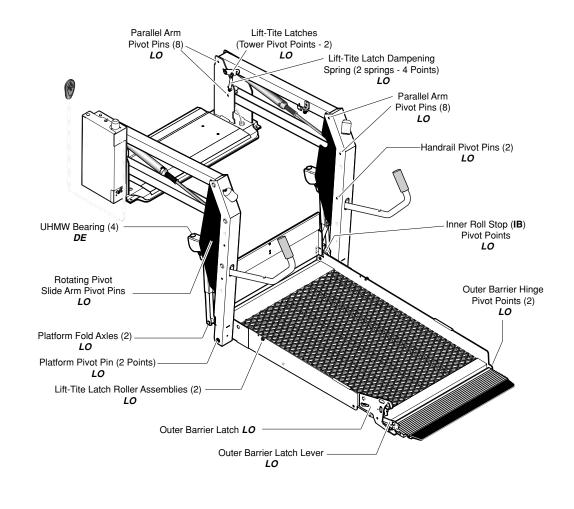
1. Insert bottom of handle behind bottom

onto backup pump release valve and

Note: Valve must be tight, but do not

Maintenance and Lubrication

Lubrication Diagram



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

	Sp	pecified (recommended)	Available	Braun
Lubricant	Туре	Lubricant	Amount	Part No.
LO - Light Oil	Light Penetrating Oil	LPS2, General Purpose	11 oz.	15807
Lo Ligiti on	(30 weight or equivalent	r) Penetrating Oil	Aerosol Can	
DE - Door-Ease	Stainless Stick	Door-Ease	1.68 oz.	15806
DL - DOUI-Lase	Style (tube)	Stick (tube)		
LG - Light Grease	Light Grease	Lubriplate	14 oz.	15805
La - Ligiti arease	(Multipurpose)		Can	13003

Maintenance and Lubrication Schedule

750	Inspect lift for wear, damage or any abnormal condition	Correct as needed.
Cycles	Inspect lift for rattles	Correct as needed.
	Perform all procedures listed in previous section also Platform pivot pin bearings (2) Platform fold axles (2) Inner roll stop (IB) lever bearings (2) Inner roll stop (IB) lever slot (2) Rotating pivot slide arm pivot pins (2) Parallel arm pivot bearings (16) Handrail pivot pin bearings (4) Hydraulic cylinder bushings (8) Inspect Lift-Tite™ latch rollers for wear or damage, positive securement and proper operation (2) Inspect inner roll stop (IB) for: • Wear or damage • Proper operation. Rollstop should just rest on top surface of the base plate. • Positive securement (both ends)	
	Inspect handrail components for wear or damage, and for proper operation Inspect microswitches for securement and proper	Replace defective parts. Resecure, replace or adjust as needed. See
	adjustment. Make sure lift operates smoothly	Microswitch Adjustment Instructions. Realign towers and vertical arms. Lubricate or correct as needed.
	Inspect external snap rings: • Handrail pivot pins (2 per pin) • Platform slide/rotate pivot pins (2 per pin) • Platform fold axles (1 per axle) • Inner roll stop (IB) lever bracket pins (1 per pin) • Lift-Tite™ latch gas (dampening) spring (2 per spring)	Resecure or replace if needed.
	Inspect platform fold axles and bearings for wear or damage and positive securement	Replace defective parts and resecure as needed. Apply Light Oil.

Maintenance and Lubrication Schedule

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 all transit agencies's daily service program. Simple inspections can detect potential

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

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 iminants 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 **▲WARNING** replaced, grease must be applied during installation procedures. aintenance and Specified lubricants are available from The Braun Corporation (part numbers provided authorized service technician. Failure to do so may result in serious bodily injury

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

following the scheduled "4500 Cycles" maintenance. These intervals are a general guideline for scheduling maintenance procedures and will vary according to lift use and conditions. Lifts exposed to severe conditions (weather, environment, contamination, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

and/or property

Discontinue lift use immediately if maintenance and lubrication procedures are not properly performed, or if here is any sign of wear, damage or imp 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 latch (pivot/slide points)	Apply Light Oil - See Lubrication Diagram
750 Cycles	Outer barrier latch lever pivot points	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), positive 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.
	Inspect outer barrier for proper operation	Correct or replace defective parts.
	Inspect outer barrier latch for proper operation, positive securement, and detached or missing spring	Correct or replace defective parts and/or relubricate. See Lubrication Diagram

Maintenance and Lubrication Schedule

Resecure, replace or correct as needed.

emove pump module cover and inspect:

for securement or damage

1500

Cycles

Hydraulic hoses, fittings and connections for wear

Harness cables, wires, terminals and connections

Control board, circuit breaker, power switch and

	Perform all procedures listed in previous section also Inspect cotter pins on platform pivot pin (2)	Resecure, replace or correct as needed
	Hydraulic Fluid (Pump) - Check level. Note: Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fittings, seals, etc.) for leaks if fluid level is low.	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).
	Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks	Tighten, repair or replace if needed.
	Inspect outer barrier cylinder hose assembly (hose, fasteners, connections, etc.) for wear, damage or leakage	Tighten, repair or replace if needed.
	Inspect parallel arms, bushings and pivot pins for visible wear or damage	Replace if needed.
	Inspect parallel arm pivot pin mounting bolts (8)	Tighten or replace if needed.
4500 Cycles	Inspect platform pivot pin, bushings and vertical arms for wear, damage and positive securement	Replace defective parts and resecure as needed Apply Light Grease during reassembly procedur
	Inspect upper/lower fold arms, rotating pivot slide arms, slide support arms and associated pivot pins, bushings, and bearings for visible wear or damage	Replace if needed.
	Inspect gas springs (cylinders) for wear or damage, proper operation and positive securement (IB)	Tighten, replace or correct as needed
	Inspect rotating pivot slide arm UHMW slide bearings (buttons)	Apply Door-Ease or replace if needed. See Lubrication Diagram.
	Inspect vertical arm plastic covers	Resecure or replace if needed.
	Inspect power cable	Resecure, repair or replace if needed.
	Mounting	Check to see that the lift is securely anchored to the vehicle and there are no loose bolts, broken welds, or stress fractures.
	Decals and Antiskid	Replace decals if worn, missing or illegible. Replace antiskid if worn or missing.