

### Congratulations

We at The Braun Corporation wish to express our fullest appreciation on your new purchase. With you in mind, our skilled craftsmen have designed and assembled the finest lift available.

This manual provides service-related material. Refer to the FMVSS No. 403 Quick Reference Installation Sheet for installation instructions, operating instructions and maintenance procedures.

Braun Millennium Series<sup>™</sup> lifts are built for dependability and will provide years of pleasure and independence as long as the lift is installed and serviced as specified by a Braun certified technician, and the lift is operated by an instructed person.

Sincerely, THE BRAUN CORPORATION

brash W. Grown

Ralph W. Braun Chief Executive Officer

#### Warranty and Registration Instructions

Immediately upon receiving the lift, examine the unit for any damage. Notify the carrier at once with any claims.

Two warranty/registration cards (shown right) are located in the lift-mounted manual storage pouch. The sales representative must process one of the cards. The consumer must fill out the other card and mail it to The Braun Corporation. The warranty is provided on the back cover of this manual. The **warranty cards must be processed to activate the warranty**.

Series No.	Pum	p Code	
Model No. \Seria	al No. /	Cylinde	r Code
OWNERS WARRA NL917IB-05-00	AN TY REGISTRATION		
o	WNER	DATE INSTA-	
NAME			
ADDRESS			
CITY			
TELEPHONE		_ ZIP	
TO VALIDA REGISTRATION CARDS MUST BE RE	ITE WARRANTY TURNED TO THE BRAUN C	ORPORATION.	

Sample Warranty/Registration Card

Two Braun Serial No./Series No. identification tags (shown below) are posted on the lift. One I.D. tag is posted on the opposite pump side vertical arm. A second I.D. tag is located on the opposite pump side tower. Both I.D. tags provide the product identification information provided on the warranty/registration card. Record the information in the space provided (or document on a copy). **This information must be provided when filing a warranty claim or ordering parts**.

The Braun Corporation 1-800-THE LIFT™ BRAUNLIFTCOM™	Model No.
DOT Public Use Lift MODEL#	Series No.
Max. Lifting Capacity - 800 lbs. SERIAL NUMBER	
05-00025 PUMP CODE CYLINDER 56 14CG	Serial No.
MFG DATE	Pump Code
PATENT PENDING: 5.261,779-6,065,924-6,238,169-6,46	
4,447-6,599,079-6,692,217-6,739,824	Cylinder Code
Sample Serial No./Series No. Iden	tification Tag Date of Manufacture

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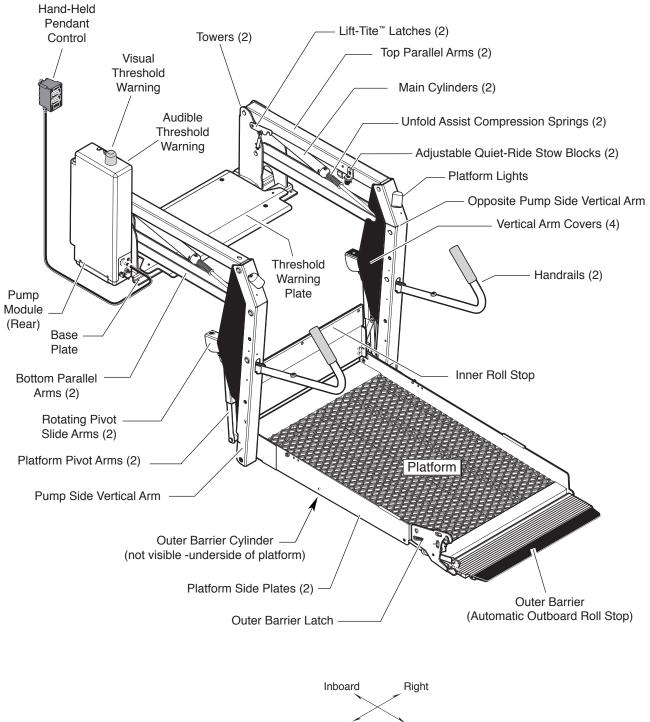
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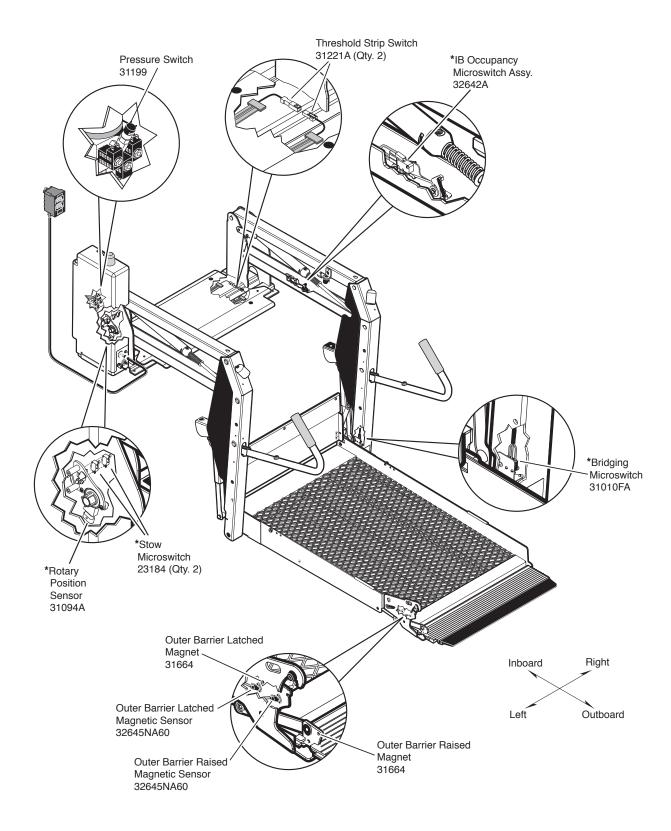
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### Lift Terminology



### **Switch and Sensor Locations**



\*Note: Mirror image for right (front) pump lifts.

### **Certification Checklist Diagnostic Procedures**

The following operations and conditions must be functionally verified in order for the lift to be FMVSS 403/404 compliant. If an operation does not function as described or a condition is not met, follow the referenced procedures to correct the problem or contact a Braun Corporation Product Support representative at 1-800-THE LIFT<sup>®</sup>.

- · Vehicle movement is prevented unless the platform is fully stowed.
  - 1. Verify lift stowed signal pin 7 on the pump module has a +12 volt signal OR pin 9 has a ground signal (depends on interlock used).
  - 2. Refer to the interlock installation instructions.

· Lift operation shall be inhibited unless the vehicle is stopped and vehicle movement is prevented.

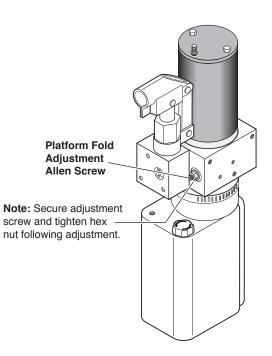
- 1. Verify vehicle secure signal (pin 6) has a +12 volt signal.
- 2. Refer to the interlock installation instructions.
- The platform will not fold/stow when occupied.
  - Refer to Platform Fold Pressure Adjustment procedures.
- The inner rollstop will not raise if occupied.
  - Call Product Support
- The outer barrier will not raise if occupied.
  - Refer to Outer Barrier Fold Pressure Adjustment
- Verify platform lighting when lift is deployed.
  - 1. Replace bulb(s) in the light housing.
  - 2. Check fuse (5 amp fuse on circuit board; F13)

• An audio warning (and visual warning for public lifts) will activate if the threshold area is occupied when the platform is a least 1" below floor level.

- 1. Remove the threshold warning plate
- 2. Verify the threshold strip switch connectors are connected (see illustration on Page 3)
- 3. Replace the threshold strip switch
- 4. Reinstall the threshold warning plate
- Platform movement is prohibited beyond the position where the inner rollstop is fully deployed.
  - Call Product Support.
- Lift platform movement shall be interrupted unless the outer barrier is deployed.
  - Call Product Support.

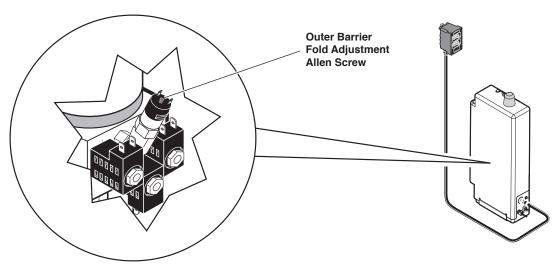
### **Platform Fold Pressure Adjustment**

- 1. Position the platform at the floor level loading position.
- 2. Loosen the hex nut on the adjustment screw (do not remove hex nut).
- 3. Turn the adjustment screw counter clockwise until the platform does not fold when the Fold button is pressed.
- 4. Turn the adjustment screw clockwise in 1/4 turn increments and press the Fold button until the platform folds completely (Note: return the platform to floor level position after each attempt to fold the platform).
- 5. Turn the adjustment screw an additional 1/8 turn after the platform folds successfully.
- Tighten the hex nut without moving the adjustment screw.
- 7. Verify the platform will not stow while occupied.



### **Outer Barrier Fold Pressure Adjustment**

- 1. Lower the platform to the ground level loading position.
- 2. Remove the pump cover.
- 3. Turn the adjustment screw (shown below) counter clockwise until the outer barrier does not raise when the Up button is pressed.
- Turn the adjustment screw clockwise in 1/4 turn increments until the outer barrier raises and fully locks in position when the Up button is pressed. DO NOT turn the adjustment screw beyond this position.
- 5. Verify the outer barrier will not raise when occuppied.
- 6. Reattach the pump cover.



### **Platform Angle Adjustment**

Adjusting the platform angle based on the relationship of the platform at ground level directly affects the angle of the platform when positioned at floor level.

Unfold the lift and visually examine the angle of the platform when positioned at floor level. Lower the platform fully and note the angle of the platform when it reaches ground level also. The **outboard end of the platform** (toe) **must contact the ground first** when the platform is lowered (all lift models).

Millennium "NL" Series:

The platform angle **should** be adjusted so there is a balance between the angle at both positions (**equal amount of angle**). **Angle A** should **equal angle B** as shown in Figure C.

Century "NCL" Series: Vista "NVL" Series:

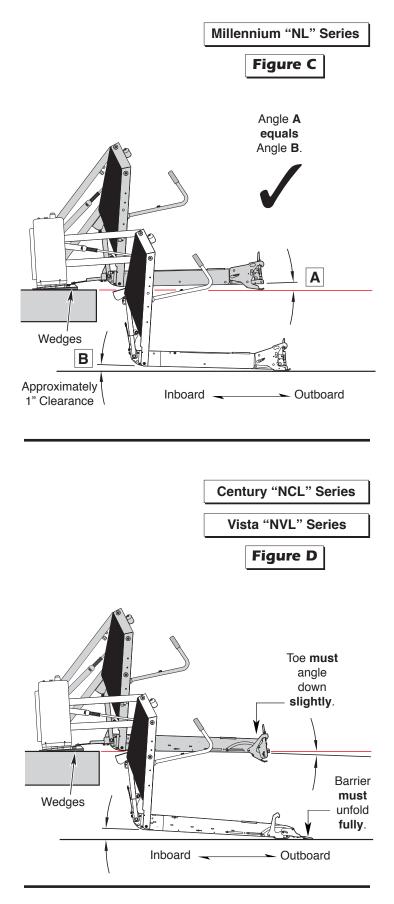
The platform angle **must** be adjusted so the outboard end of the platform (toe) is angled down slightly when positioned at floor level. See Figure D. The outboard end of the platform **must** contact the ground first to **ensure** the spring-loaded outer **barrier unfolds fully**.

**Adjustment Procedures:** Adjustment Allen screws are provided on each side of the lift platform for adjusting the platform angle. Details and photos are provided on the opposite page.

**Base Plate Wedges:** Installations where base plate wedges are used require more platform angle adjustment than normal.

Platform Stop Blocks: When adjusting platform angle, ensure both stop blocks are making full contact with the vertical arms (details on opposite page).

Floor Level Adjustment: Following platform angle adjustment, set floor level positioning as detailed in Platform Floor Level Adjustment (details on page 8).

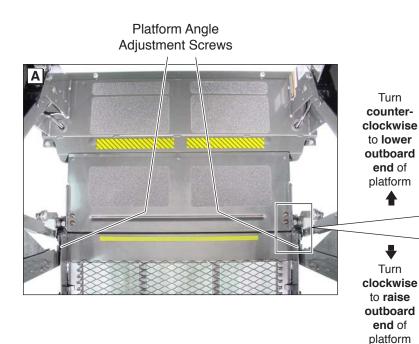


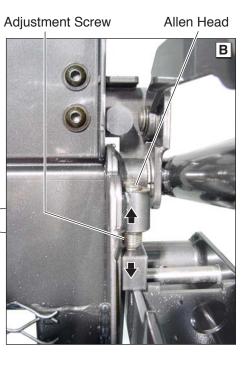
### **Platform Angle Adjustment**

Adjustment Allen screws are provided on each side of the lift platform for adjusting the platform angle. Adjust platform angle as specified on previous page. To **raise** the **outboard end** of platform - turn adjustment screw **clockwise**.

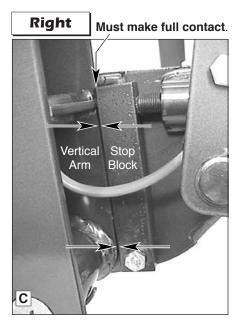
To **lower** the **outboard end** of platform - turn adjustment screw **counterclockwise**. Note: Both adjustment screws must be adjusted equally.

Apply Loctite<sup>®</sup> to adjustment screws following adjustment.





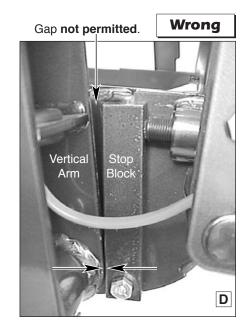
### **Platform Stop Blocks**



# Stop Block Guideline All Lift Models

Both stop blocks must make full contact with the edge of vertical arms.

When adjusting platform angle, setting floor level position or adjusting bridging microswitch ensure both stop blocks are making full contact with the vertical arms.



### **Platform Floor Level Adjustment**

Before setting floor level position:

- Adjust platform angle as detailed on page 6.
- Ensure both stop blocks are making full contact with vertical arms (details on page 7).

#### Floor Level Adjustment:

1. Position platform at desired floor level position (passenger loading/unloading height).

Position platform such that:

a. the inner roll stop is laying flat on the threshold plateb. platforrm has **not** begun to fold

**Note:** Use hand pump to position platform at proper posi-

tion if unable to stop platform when powering lift.

- 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.
- Continue pressing the Floor Position Set button until the lift sounds three "beeps."
- 6. Release the Floor Position Set button.
- Cycle lift to verify that platform stops at the set floor level position. Note: If platform does not stop at



Floor Level Set Button

the intended position - repeat adjustment procedures. If repeating procedures fails - refer to Diagnostics section below.

**Diagnostics:** 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:

Century/Vista Jumper



LCD Screen

- 91 The platform position is out of a predetermined acceptable range
- 92 The Bridging 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)



### **Bridging Microswitch Adjustment**

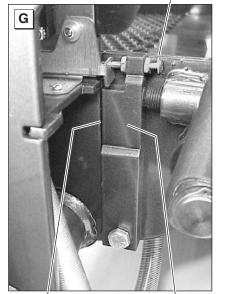
#### **Bridging Microswitch:**

The bridging microswitch is located at the bottom of the right (front) vertical arm. See Photos A and B. An adjustment screw is built into the platform stop block.

The bridging microswitch will be deactivated if the outboard end of the platform contacts the unloading surface before the inboard end while the DOWN switch is pressed.

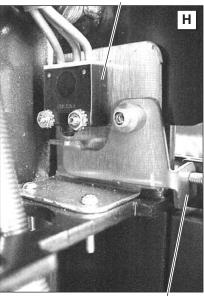
The deactivated bridging microswitch interrupts power to the DOWN switch circuit and stops the down travel of the platform (while allowing the outer barrier to deploy). Adjustment Screw

Bridging Microswitch



Inboard Vertical Edge of Vertical Arm

Platform Stop Block



Switch —/ Activation Lever

#### Adjustment Guidelines:

**Caution:** This adjustment is factory set and typically should not require adjustment.

**Before** adjusting the bridging microswitch:

- Adjust platform angle as detailed on page 6.
- Adjust floor level position as detailed on page 8.
- **Ensure** platform is in the fully unfolded position.
- **Ensure** both stop blocks are making full contact with vertical arms (details on page 7).

Failure to follow these guidelines will result in an overtight adjustment that will bend the adjustment screw, break the bridging switch and/or result in lift operation failure.

#### **Bridging Microswitch Adjustment**

- Position the platform at floor level (or slightly below). Ensure the platform is not partially folded. From the stowed position, press the UNFOLD switch until the pump stops running and the platform comes to a full stop. From below floor level, press the UP switch until the pump stops running and the platform comes to a full stop.
- Check both platform stop blocks to ensure there is no gap between the stop blocks and the vertical arms. See Photos B, C and D on page
   A gap may indicate that the platform is not fully unfolded or the platform angle adjustment bolts are not adjusted equally on both sides.
- Loosen the two jam nuts on the bridging switch activation screw (see Photo G). Tighten the screw until the activation lever is fully depressed. Verify that there is no play in the activation lever and tighten the jam nuts.
- 4. Test lift for proper operation.

### **LCD Lift Codes**

To better understand the Braun LCD Trouble shooting display you must first understand the numbers that appear on the screen. There are Flashing Codes, Solid Error Codes, and Solid Normal Operational Codes.

**Flashing Codes #65-89:** About 10 seconds after an operation has stopped there are a set of scrolling flashing numbers that indicate whenever a particular sensor or switch has been activated. These numbers will start at number 65 and scroll up to number 89, then start the sequence over. Remember they are not error codes. Keep in mind that the lift will display codes for different positions and certain flashing codes must be present for that position, you will not always get an error code.

**Solid Error Codes #50-64:** These are the numbers that will come on the screen when the audible and visual alarm goes off, and will direct you to where the problem exists. These numbers will only stay on the screen for about 10 seconds and then the flashing codes will scroll indicating what sensors are active. This sequence of codes will keep repeating. It is important to be looking at the screen when trying to get the lift to fail.

**Solid Normal Operational Codes:** There are also solid numbers that will appear while and after the lift is moving that indicate the lift operation and platform position.

#### **Troubleshooting Procedures**

1. While **looking** at the LCD screen, operate the lift until the failure occurs. Read the number that comes on the display the moment the alarm goes off and the light starts to flash. This code will only stay on the screen for 10 seconds.

2. Look up the number on the correct error code sheet and determine what part on the lift is causing the failure. Go to the part on the lift that is suspected of causing the failure and look for anything obvious like magnets missing, broken wires etc. If nothing is found, the next step is to determine if that sensor is sending a signal to the board.

3. Bring the platform to the level that the sensor should be activated using the backup pump if needed. At this point, look up the flashing code that corresponds to that sensor in the error code sheet, look at the LCD screen and wait for the flashing scrolling numbers to appear. If the number is not included in the scrolling numbers, you know that sensor is the problem. You should then check the harness or try another magnet with the south side of the magnet facing the sensor and see if the number will come up on the display.

4. If the problem is still not found or the harness is suspected, the voltages should to be checked to and from the sensor to find the exact location of the problem. First determine the 3 wire colors for this sensor at the board and understand the 3 voltage readings needed to operate the sensor, the 12V power, 8V power, and the 8V input signal to the PC board when activated by a magnet. First check for a 8V input signal coming from the sensor to the wire going into the PC board, if there is 11V on this wire, the sensor is not being activated by the magnet. Next check the 12V and 8V wires at the PC board plug leading to the sensor. Once verified at the plug on the PC board, the voltages should then be checked at the next plug down on the harness going to the sensor until the location of the problem is found.

Anytime you see the code for that specific switch you will have 8 volts on that colored wire on the 8 or 18 pin connector from that switch. IE: Outboard Barrier is closed "72" will appear on the screen and also 8V will be present on the signal wire from that switch, if no code is present the voltage will be 11V.

### **LCD Lift Codes**

Listed below are codes that the lift controller outputs during lift operation. The codes will be displayed on an LCD screen located on the lift control board inside the pump module. See the Manual Operating Instructions in the operator's manual for pump cover removal instructions.

#### Non-Flashing Numbers

- 01 Platform stowed
- 02 Platform unfolding
- 03 Platform unfolding paused
- 04 Platform at floor level
- 05 Platform beginning to lower
- 06 Platform lowering (threshold cannot be occupied from this point down)
- 07 Outer barrier moving to horizontal position
- 08 Platform at ground level
- 09 Outer barrier moving to vertical position
- 10 Platform raising
- 11 Platform raising paused at floor
- 12 Platform folding (limited pressure)
- 13 Platform folding (full pressure)
- 14 Timed fold (cinching lift tite) or (anti-rattle state)
- 15 Platform folding stopped
- 16 Paused fold
- 17 Platform between ground and 3" above ground
- 18 Platform above 3"
- 19 Outer barrier moving to horizontal postion
- 23 Outer barrier going back down after occupant detected
- 28 Illegal function/not defined
- 29 Interlock fault not recognized (or has been cleared but a motion button is still pressed)
- 30 Platform location unknown
- 31 Platform location transition state; attempting to locate position
- 35 Two or more motion buttons are being pressed
- 36 The retention belt cannot be buckled while trying to fold or unfold
- 37 Motion button being pressed is not a valid motion
- 50 Outer barrier is not up above inboard barrier locked position
- 51 Threshold is occupied when platform is 1" or more below floor level
- 52 Inner rollstop is not up and locked below inner rollstop locked position
- 53 Inner rollstop occupied sensor is not activated between floor and inner rollstop up position
- 54 Outer barrier is occupied before it is up
- 55 Outer barrier is not latched when above the inner rollstop locked position (Millennium only)
- 56 Outer barrier is not up and latched and bridge switch did not deactivate

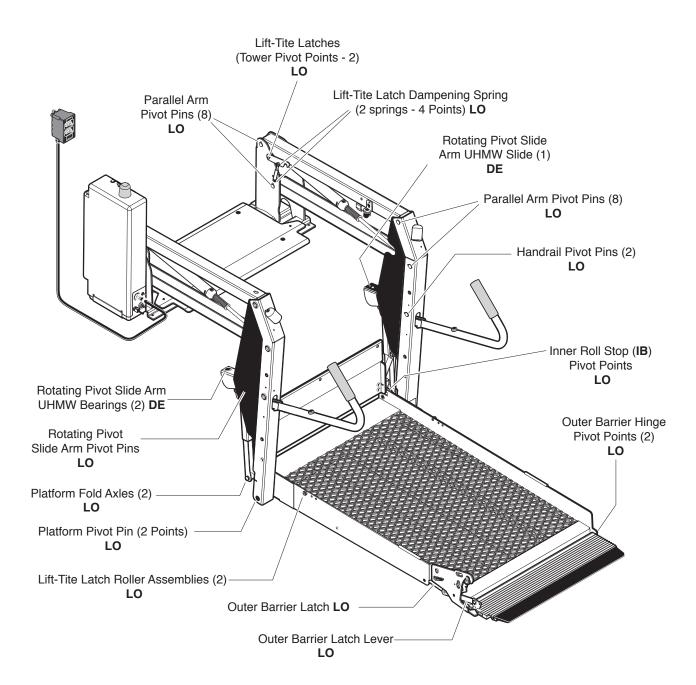
- 57 Outer barrier is not up and latched and ground detect switch did not deactivate (Century and Vista only)
- 58 Outer barrier is not up and latched and the platform is 3" above the ground
- 59 Outer barrier is not up after pausing platform travel
- 60 The kickout gas springs are worn, replace before using
- 75 Low voltage detected; must turn off power switch to reset LCD
- 77 Vehicle secure interlock has not been activated
- 90 Position will be set if you keep holding the button until it beeps
- 91 Position is out of a predetermined acceptable range of floor position
- 92 Bridge switch is not made, needs adjusting
- 93 Inner rollstop occupied switch is not made, position needs to be moved or switch should be adjusted
- 94 Outer barrier is not made, fix and try again
- 95 Outer barrier latch is not made (check for jumper on Century and Vista lifts, check latch on Millennium lifts)
- 99 Controller program is not valid; replace controller

#### Flashing Numbers

- Flashing 65 Unfold button is pressed
- Flashing 66 Fold button is pressed
- Flashing 67 Down button is pressed
- Flashing 68 Up button is pressed
- Flashing 69 Bridge switch is activated
- Flashing 70 Outer barrier latch switch is activated
- Flashing 71 Ground detect switch is activated
- Flashing 72 Outer barrier up switch is activated
- Flashing 73 Inner rollstop up switch is activated
- Flashing 74 Inner rollstop occupied switch is activated
- Flashing 76 Outboard barrier occupied switch is activated
- Flashing 78 Threshold tape switch "A" is activated
- Flashing 79 Threshold tape switch "B" is activated
- Flashing 80 Position set button is pressed

### **Maintenance and Lubrication**

#### **Lubrication Diagram**



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

Lubricant	Туре	Specified (recommended) Lubricant	Available Amount	Braun Part No.
	Light Penetrating Oil	LPS2, General Purpose	11 oz.	15807
LO - Light Oil	(30 weight or equivale	ent) Penetrating Oil	Aerosol Can	10007
DE - Door-Ease	Stainless Stick	Door-Ease	1.68 oz.	15806
	Style (tube)	Stick (tube)		
	Light Grease	Lubriplate	14 oz.	15805
LG - Light Grease	(Multipurpose)		Can	10000

### **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 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 apply-ing 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" 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.

### 

Maintenance and lubrication procedures must be performed as specified by an authorized service technician. Failure to do so may result in <u>serious bodily injury</u> 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<sup>®</sup>. 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
	Outer barrier latch lever pivot points	Apply Light Oil - See Lubrication Diagram
	Lift-Tite <sup>™</sup> latches (tower pivot points - 2)	Apply Light Oil - See Lubrication Diagram
750	Lift-Tite <sup>™</sup> latch gas (dampening) spring pivot points (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
Cycles	Inspect Lift-Tite <sup>™</sup> 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. <b>Note:</b> Apply Light Grease to Lift-Tite <sup>™</sup> 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 relubri- cate. See Lubrication Diagram

### 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)	Apply Light Oil - See Lubrication Diagram
	Platform fold axles (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop (IB) lever bearings (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop (IB) lever slot (2)	Apply Light Oil - See Lubrication Diagram
	Rotating pivot slide arm pivot pins (2)	Apply Light Oil - See Lubrication Diagram
	Parallel arm pivot bearings (16)	Apply Light Oil - See Lubrication Diagram
	Handrail pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Hydraulic cylinder bushings (8)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite <sup>™</sup> latch rollers for wear or damage, positive securement and proper operation (2)	Correct, replace defective parts and/or relubricate.
1500 Cycles	<ul> <li>Inspect inner roll stop (IB) for:</li> <li>Wear or damage</li> <li>Proper operation. Rollstop should just rest on top surface of the base plate.</li> <li>Positive securement (both ends)</li> </ul>	Resecure, replace or correct as needed. See Platform Angle Instructions and Microswitch Ad- justment Instructions.
	Inspect handrail components for wear or damage, and for proper operation	Replace defective parts.
	Inspect microswitches for securement and proper adjustment.	Resecure, replace or adjust as needed. See Microswitch Adjustment Instructions.
	Make sure lift operates smoothly	Realign towers and vertical arms. Lubricate or correct as needed.
	<ul> <li>Inspect external snap rings:</li> <li>Handrail pivot pins (2 per pin)</li> <li>Platform slide/rotate pivot pins (2 per pin)</li> <li>Platform fold axles (1 per axle)</li> <li>Inner roll stop (IB) lever bracket pins (1 per pin)</li> <li>Lift-Tite<sup>™</sup> latch gas (dampening) spring (2 per spring)</li> </ul>	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

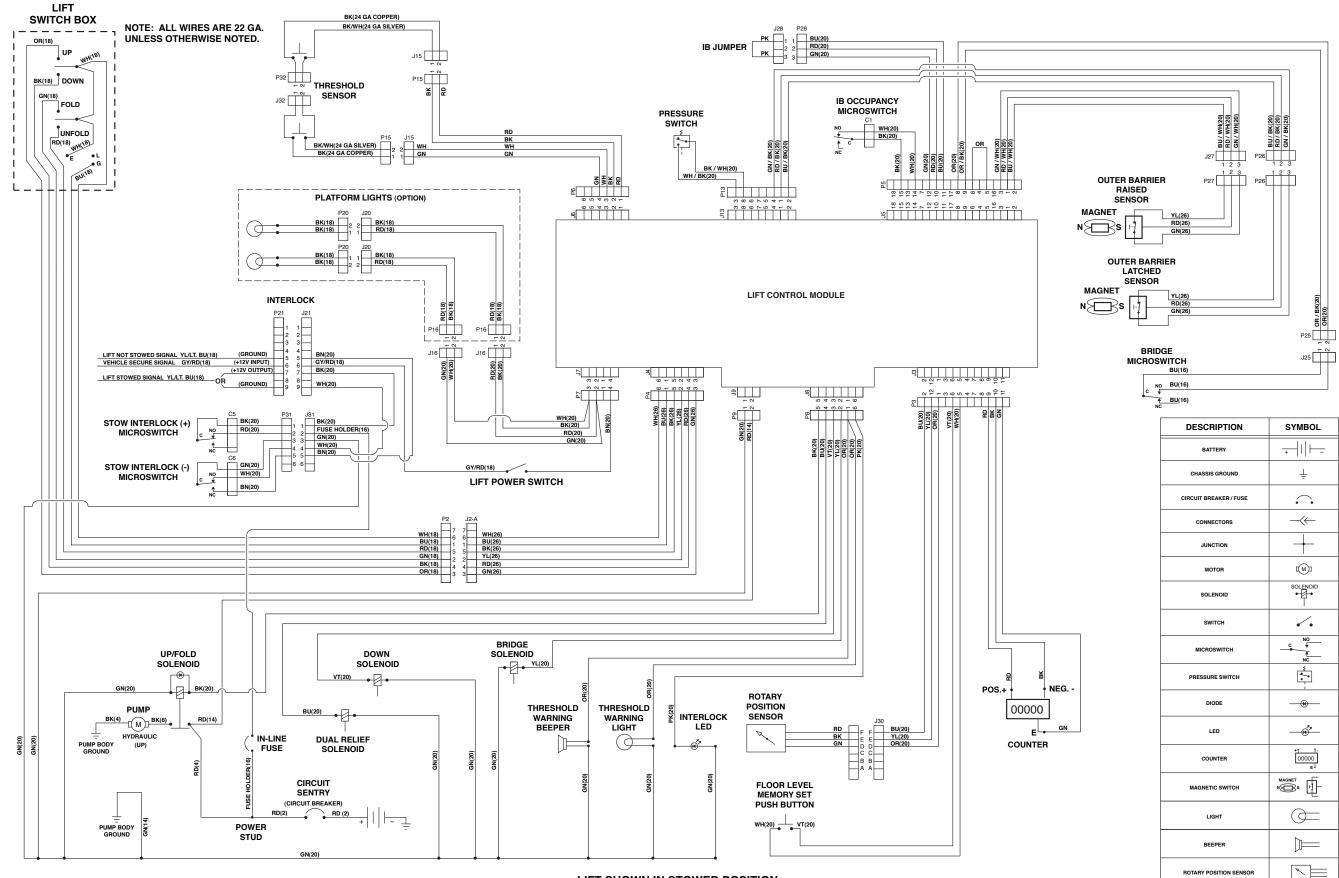
1500 Cycles	<ul> <li>Remove pump module cover and inspect:</li> <li>Hydraulic hoses, fittings and connections for wear or leaks</li> <li>Harness cables, wires, terminals and connections for securement or damage</li> <li>Control board, circuit breaker, power switch and lights for securement or damage</li> </ul>	Resecure, replace or correct as needed.
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	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. <b>Note:</b> 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.	Use Braun 32840-QT (Exxon <sup>®</sup> Univis HVI 26) hydraulic fluid ( <b>do not mix</b> with Dextron III or other hydraulic fluids). Check fluid level with <b>platform</b> <b>lowered fully</b> and <b>roll stop unfolded fully</b> . 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.
4500 Civalor	Inspect parallel arm pivot pin mounting bolts (8)	Tighten or replace if needed.
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 procedures.
	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 ( <b>IB</b> )	Tighten, replace or correct as needed
	Inspect rotating pivot slide arm UHMW slide bear- ings (buttons - 2) and UHMW slide (1)	Apply Door-Ease or replace if needed. See Lubri- cation 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.
Consecutive 750 Cycle Intervals	<b>Repeat all</b> previously listed inspection, lubrica- tion and maintenance procedures at 750 cycle intervals.	

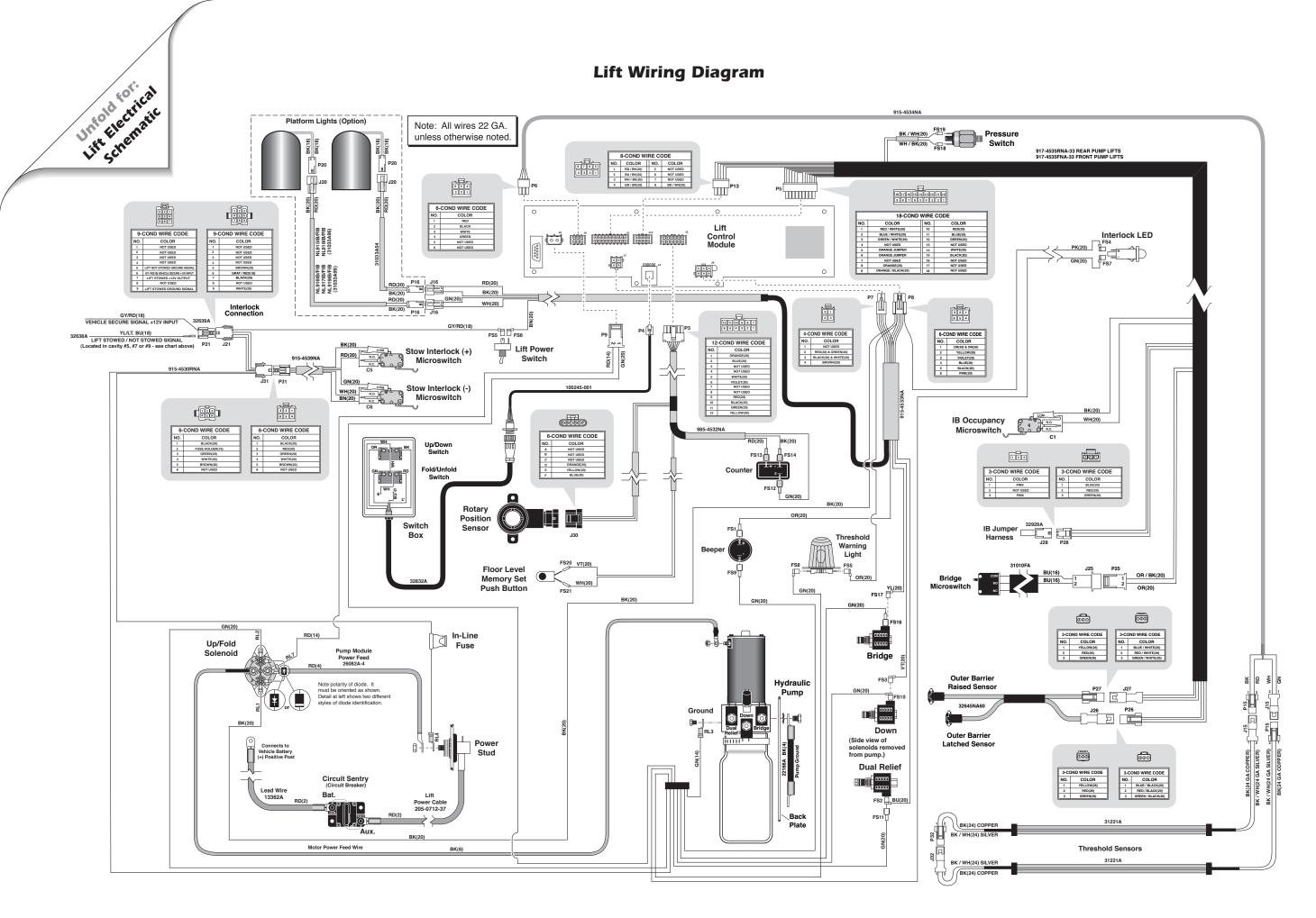
### NOTES

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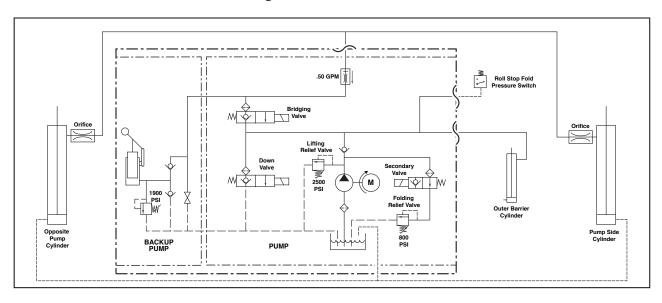
#### Lift Electrical Schematic



LIFT SHOWN IN STOWED POSITION



### Hydraulic Schematic



Description	Symbol	Description	Symbol
Fixed Displacement Pump	$\diamondsuit$	Hydraulic Port	ς
Pump Motor	-(M)	2 Way 2 Position Solenoid Valve	ız⊒∏&w
Backup Pump		Pressure Compensated Flow Control	ŢŢ,
Single Acting Cylinder		Relief Valve	
Check Valve	Ý	Filter Screen	¢
Unfold Orifice	×	Vented Reservoir	<u> </u>
Manual Shutoff Valve	¥	Orifice	
Pressure Switch	₩ <u>.\</u>		

### **Hydraulics Parts List**

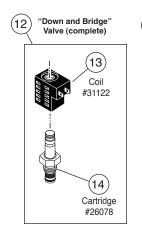
		Part Numbers of Items Dedicated	per Lift Mode	el (Front and	Rear Pump N	Models)		
Item	Qty.	Description	NL915	NL916	NL917	NL9	18	NL919
1	1	Hose Assembly, 1/8" (Opposite Pump Side)	16004A-081	16004A-079	16004A-086	16004A	-084	16004A-087
2	1	Hose Assembly, 1/8" (Pump Side)	-046	16004A-046				
3	2	Cylinder 🗸	C1514.3	-9407	C1514.3-9408			
4	1	(Rear Pump) Hose Assembly, 3/16" w/Two Guards	1-123	915-2601-139				
5	1	(Front Pump) Hose Assembly, 3/16" w/Two Guards	)2-82	915-5602-92.5				
6	1	(Front Pump) Hose Assembly, 3/16"	915-5603-80.5	915-5603-83.5	915-5603-86.5	915-560	3-83.5	915-5603-86.5
Part Numbers of Items Identical on all Lift Models (Front and Rear Pump Models)								
Item	Qty.	Description						Part No.
7	1	Pump Assembly (M268-0113)12V - with Reser	voir/with Backup	o Pump)				31038-12V
8	1	Solenoid, Up - 4-Post - Trombetta (Flat Mount)						31374
9	1	Power Cable, Up Solenoid to Motor						29049
10	1	Motor, Pump - 12 Volt - Low RPM						31350
11	1	Elbow, 65° - Male 7/16-20 SAE O-Ring to 7/16	-20 SAE O-Ring	Boss				26578
12	2	Valve Assembly, "Down / Bridge" (complete)						31348K
13	3	Coil (only), "Down / Bridge" Valve - (shown bel	ow)					31122
14	2	Cartridge (only), "Down / Bridge" Valve - (show	n below)					26078
15	1	Valve Assembly, "Duel Relief" (complete)		31120K				
16	1	Cartridge (only), "Duel Relief" Valve - (shown b		31121				
17	1	Cap, Reservoir Filler		16935				
18	4	O-Ring (only), Hand Pump Mounting		17351				
19	1	Hand Pump (Backup) with O-Rings (Item 18)		26074				
20	3	Screw, 1/4-20 x 2-1/4", Allen Head		26080				
21	1	Clamp, Reservoir - H-48 (M259)		17069				
22	1	Reservoir, Hydraulic Fluid						16934
23	1	Fitting, 90° - 1/8" NPT x 1/8" Barb - Plastic						87563
24	1	Switch, Pressure, 7/16-20 SAE O-Ring Male						31199
25	2	Fitting, Male 7-16-20 SAE O-Ring to Male 7/16		24504				
26	1	Elbow, (1) Female 7/16-20 JIC 37 Swivel - (2) Male 7/16-20 JIC 37°						26579
27	2	Elbow, 90°, 7/16-20 SAE O-Ring Male - 7/16-2		26667				
28	2	Elbow, 90°, 1/4" NPT Male to 1/4" Barbed		15150				
29	1	Hose, Thermal Plastic - Black, 1/8" I.D.		23742R*				
30	1	Connector, Plastic "Y", 1/8" O.D.		18877				
31	1	Fitting, 90° - Male 9/16-18 SAE O-Ring to Male		87622				
32	1	Cylinder, Roll Stop (915-3318NA Contains Iten		25309NA				
33	1	Handle with Grip						17206A
34	1	Diode Assembly, Up Solenoid						73906A
35	1	Breather Vent, 1/4" NPT						26200-2
36	1	Kit, Hydraulic Port Service Cap						27049K

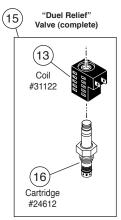
✓ Seal Kits: If repairing a cylinder, order Seal Kit #1500-0500P.

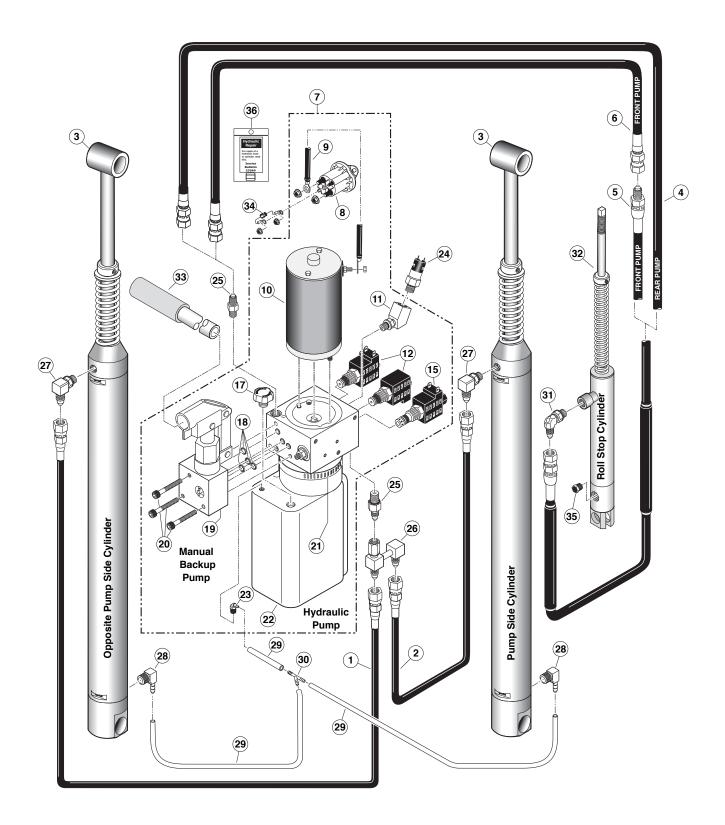
\* Raw material items ordered and priced per inch (order specified length).

#### Hydraulic Fluid

When adding or changing hydraulic fluid, use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid (**do not mix** with Dextron III or other hydraulic fluids).







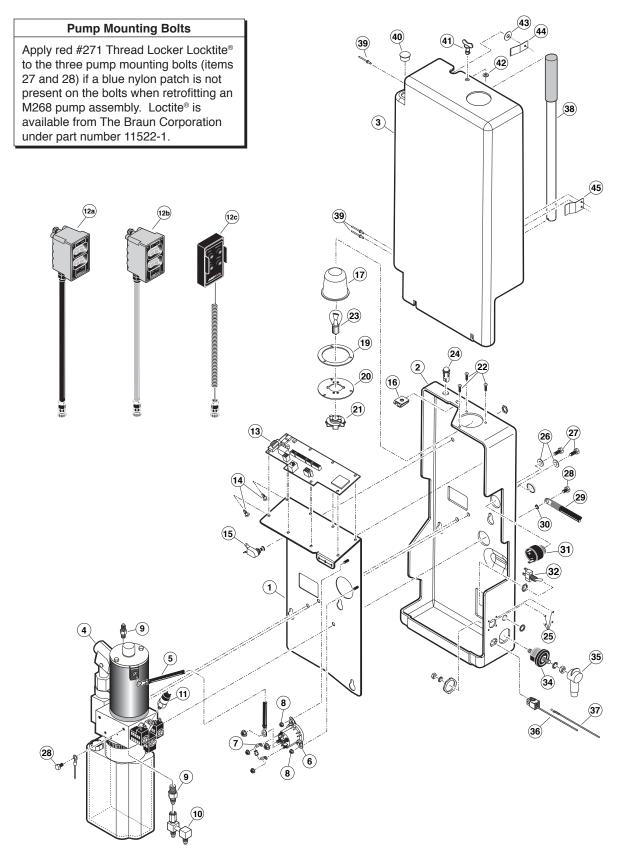
### **Pump Module Parts List**

Item Qty.	Part Numbers of Items Dedicated per Lift Model Description	NL915IB, NL916IB, NL917IB, NL918IB and NL919IB	NL915FIB, NL916FIE NL917FIB, NL918FIE and NL919FIB
1	Pump Module (complete), 12 Volt, Rear	917-5516RNA	917-5516FNA
1 1	Plate, Backing / Mounting - Rear	985-2501RN	985-2501FN
2 1	Cover, Pump, 2-Piece - Back / Bottom (915-0513RNAPT or 915-0513FNAPT Includes Items 2 and 16 - 22)	915-0513RNPT	915-0513FNPT
3 1	Cover, Pump - 2-Piece - Top / Front (915-0519RNAPT or 915-0519FNAPT Includes Items 3 and 39 - 52) Part Numbers of Items Identical on all Lift Models	915-0519RNPT	915-0519FNPT
Item Qty.	Description		Part No.
4 1	Pump Assembly (M268-0113) 12V-120G - Dual Relief / ARS (Includes Items 5 & 6)		31038-12V
5 1	Power Cable, Up Solenoid to Motor		29049
6 1	Solenoid, Up - 4-Post - Trombetta (Flat Mount)		31374
7 1	Diode Assembly, Up Solenoid		73906A
8 2	Nut, #10-32, Serrated Flange		83080
9 2 10 1	Fitting, Male 7/16-20 O-Ring to Male 7/16-20 JIC 37° Elbow, Female Swivel 7/16-20 JIC 37° to (2) Male 7/16-20 JIC 37°		24504 26579
11 1	Switch, Pressure		31199
12 1	Control, Hand Pendant Assembly (See below for available options)		01100
12a -	Control, Hand Pendant Assembly - Non-Shielded Cable - Straight ♦See note below		32832A
12b -	Control, Hand Pendant Assembly - Shielded Cable - Straight See note below		32833A
12c -	Control, Hand Pendant Assembly - Shielded Cable - Coiled See note below		32421A
13 1	Control Board Assembly		100159-001
14 8	Standoff, Snap-In		31011
15 1	Switch, Push Button		31753
16 1 17 1	Recepticle, Clip On Lens, Threshold Warning - Red		28803
17 1	Decal, Warning / Pressure Relief Valve (Not shown)		22249
19 1	Spacer, Lens - NHTSA		31386
20 1	Metal Ring Base - Lamp		30971
21 1	Socket, Lamp		30703
22 3	Screw, #8-32 x 1/2" Pan Head Phillips - Thread Cut		30974
23 1	Bulb, Light		19841
24 1	Diode, Green LED, Panel Mount		29545
25 4	Rivet, Snap124" Hole x .197"/.236" Thick		29874
26 2 27 2	Washer, 5/16" Flat Bolt, 5/16-18 x 3/4", Nylock, Hex * See note below		10063 29608
28 2	Bolt, 5/16-18 x 1/2", Nylock, Hex * See note below		10012
29 1	Cable, Ground		22166A
30 1	Washer, 5/16" External Tooth		16368
31 1	Beeper, Continuous		30487
32 1	Switch, Toggle		31787
33 1	Decal, Lift Power - On/Off (Not shown)		21494
34 1	Stud, Power Feed		26084
35 1	Rubber Boot, Red		82046
36 1 37 1	Harness, Lift Interlock Connection		32639A
37 1 38 1	Wire Assembly, Lift Stowed Connection ♦See note below Pump Handle with Grip		32638A 17206A
39 3	Rivet, Pop, SD43BS - 1/8"13"/.19"		12954
40 1	Plug, Window - Clear		30443
41 1	Stud, Wing Head - 1/4 Turn		28804
42 1	Retainer, Push On		28805
43 1	Washer, Nylon, 1/4" I.D. x 11/16" O.D. x .030"		12690
44 1	Clip, Pump Handle - Top		915-5517
45 1	Clip, Pump Handle - Bottom Decal, Manual Instructions - Public (Not shown)		915-5518
46 1 47 1	Decal, Manual Instructions - Public (Not snown) Decal, Removal / Installaton - Pump Cover (Not shown)		31412 29051
47 1	Decal, Warning - Control Board Damage - ESD (Not shown)		30787
49 1	Decal, Removal / Installation Pump Handle (Not shown)		29052
50 1	Decal, Installation & Warning - Hydraulic Pressure Switch (Not shown)		27154
51 1	Decal, Dual Relief Adjustment (Not shown)		32201
52 1	Decal, LCD Lift Codes (Not shown)		32410
53 1	Cable, Pump Module Power Hookup (Not shown)		26082A-4
54 1	Harness, Power - Stow Interlock (Not shown - see Wiring Diagram)		915-4530RNA
55 1	Harness, Interlock / Lighting (Not shown - see Wiring Diagram)		915-4533NA
56 1 57 1	Harness, Up / Down Solenoid (Not shown - see Wiring Diagram) Harness, Threshold Switch Extension (Not shown - see Wiring Diagram)		915-2533NA 915-4534NA
57 I 58 1	Harness, Hand Control - Pump Housing to Circuit Board (Not shown - see Wiring Diagram)		100245-001

\* Apply red #271 Thread Locker Loctite<sup>®</sup> to the four hex bolts (items 27 and 28) if a blue nylon patch is not present on the bolts when retrofitting an M268-0113 pump assembly. Loctite<sup>®</sup> is available from The Braun Corporation under part number 11522-1.

Indicates items available for replacement part purposes only. These items are not included with replacement pump modules.

### **Pump Module Diagram**

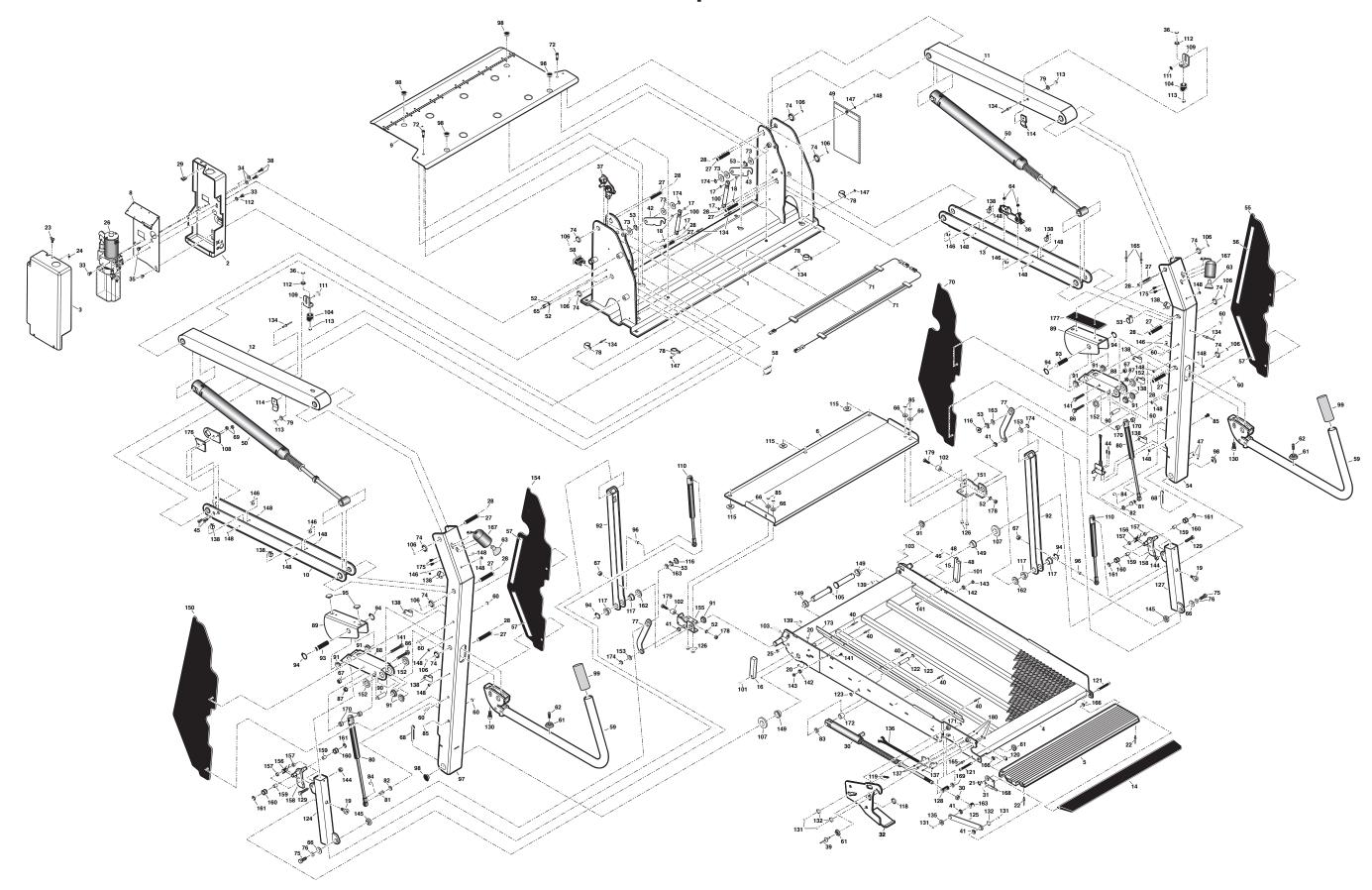


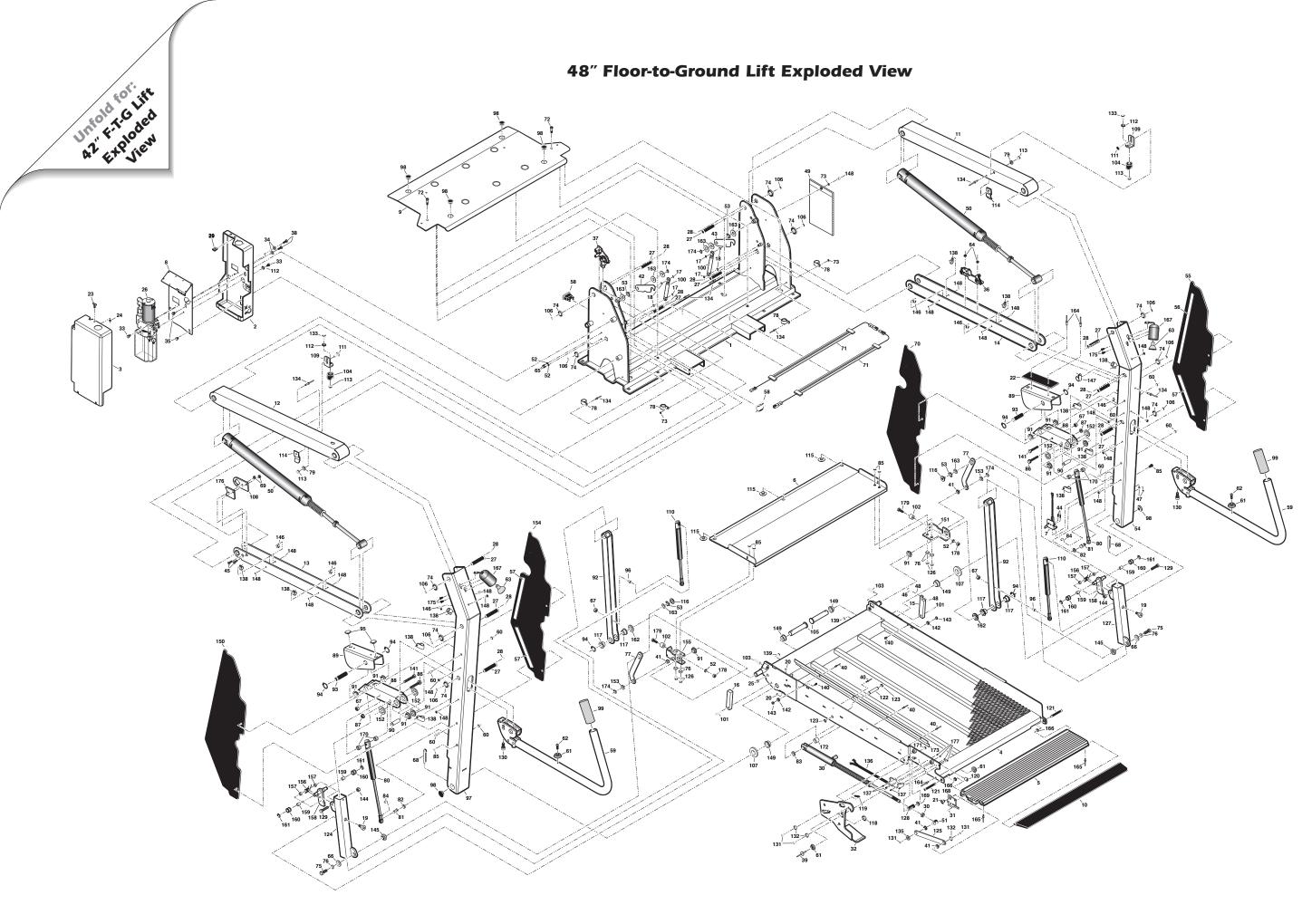
Note: Rear pump shown, front pump mirror image.

### 42" Floor-to-Ground Lift Repair Parts List

ltem 1 2 3 4 5 6 7	Qty. 1 1	Description Base Weldment	NL915IB	Items Dedica NL915FIB	NL91	RIB	NL918FIB	
2 3 4 5 6 7		Base Weldment						<u>il</u> ,
3 4 5 6 7	1 1		915R5142NW30 915-0513RNPT	915F5142NW30 915-0513FNPT		42NW33 13RNPT	918F5142NW33 915-0513FNPT	
4 5 6 7	1	Cover, Pump, 2-Piece, Back-Bottom Cover, Pump, 2-Piece, Top-Front Assy.	915-0513RNPT 915-0519RNPT	915-0513FNPT 915-0519FNPT		19RNPT	915-0513FNP1 915-0519FNPT	
6 7	1	Platform Weldment	917-03050NW	917-03050NW	917-03	350NW	917-03350NW	-
7	1	Outer Barrier Assembly (inc. 5,14,22,31,168) Inner Rollstop	915-0312NA30Y 918-0147NWY-30	915-0312NA30Y 918-0147NWY-30		12NA33Y 47NWY	915-0312NA33Y 918-0147NWY	+
	1	Bridge Switch Assembly	31010FA	31010FA		10FA	31010FA	
8	1	Plate, Backing/Mounting	985-2501RN	985-2501FN	985-2	501RN	985-2501FN	
9	1	Base Cover Assy., (Traction Tape Not Shown)	915-5142CNA30Y	915-5142CNA30Y		2CNA33Y	915-5142CNA33Y	
10	1	Parallel Arm Assy., Bottom, w/Bearings - Rear Parallel Arm Assy., Top, w/Bearings - Front	915-4457NA 915-0422FA	915-4456NA 915-5422FNA		457NA 1422FA	915-4456NA 915-5422FNA	
12	1	Parallel Arm Assy., Top, w/Bearings - Rear	915-5422RNA	915-5422RA	915-54	122RNA	915-0422RA	
13	1	Parallel Arm Assy., Bottom, w/Bearings - Front Rubber Nose	915-4458NA 24603-30	915-4455NA 24603-30		458NA 03-33	915-4455NA 24603-33	
14				ems Identica				1
Item	Qty.	Description	Part I				Description	Part No.
15	1	Block, Platform Stop	2577			Spring,	Dampener, Retract	26963
16 17	1 4	Block, Platform Stop Snap-Ring 5/16"	900-03				16-18 x 1 1/4" Low Socket Hd., Cap, Bk. r, 1"x 1/2" Long	26327 33654
18	4	O-Ring, 5/16" I.D. x 1/16" O.D.	2661	4 103	2	Screw,	1/2-20 x 1 1/2" Set Lock, Black	18663
19	2	Screw, Socket Head, 3/8-16 x 1/2" with 1/2" Shoul				Block, 0 Pin, Pla	Guide-Platform Stow	28593 975-2325
20 21	2	Grommet, I.D281"/ FR.125" x GD.625"/T.375" Pivot, Outer Barrier Lever	2772				5/16-18 x 3/4", SHFS	25527
22	2	Rivet, Pop, 3/16" x .06"/.13"	1151	2 107	2	Spacer,	, UHMW, Vertical Channel	995-0320
23	1	Stud, Wing Head	2880			Position	n Sensor Collet	31093
24 25	1	Retainer, Push-On Grommet, ID .312", FR .250", GD .813" T500"	2880				t, Mounting, Quiet Ride ring, 12.2" Extended/8.3" Compressed	915-0392 30550A
26	1	Pump Assembly	31038-	12V 111	2	Bolt, 5/	16-18 x 3/4", Carriage, Black	15858BK
27	10	Pin, Pivot, Parallel Arm	917-04				r, 5/16", External Tooth	16368
28 29	10	Screw Drive #8 x 3/16" Long Black Receptacle, Clip-On	31086				16-18 Hex t, Inner Side Panel Guide	10058 915-0703
30	1	Cylinder Assy., Outer Barrier	915-331	8NA 115	3	Bearing	, UHMW, Flat, Thin, Black	916-5406
31	4	Snap-Ring 1/2" Latch Assy., Outer Barrier w/Magnet	1327				nner Rollstop Lever, Upper, Inside	916-5433
32 33	1 2	Latch Assy., Outer Barrier w/Magnet Bolt, 5/16-18 x 1/2" Nylock, Hex	915-434				g, Flange - 3/4" x 1/2" , UHMW, Latch	24027 950-7760
34	2	Washer, 5/16" Flat	1006	3 119	1	Spring,	1/4" x 1" Extension w/Hooks	10774
35	2	Bolt, 3/8-16 x 1/2" Nylock, Hex	2972				Polyurethane - 1/4" I.D. x 1/2" O.D. x .81" evis, 3/8" x 3", Black	28630R000.81 24932BK
36 37	1	Assembly, IB Occupied Assembly, Rotary Position Sensor	32642				atform Cylinder	915-0414
38	2	Bolt, 5/16-18 x 3/4" Nylock, Hex	2960	8 123	2	Ring, S	nap, 1/2", External, .035" Thick	20946
39	1	Rivet, Pop, SD68 BSLF-3/16"38"/.50"	1524				ent, Tube-IB Fold Arm-Front	918-0625RNW
40 41	5	Rivet, Pop, 1/8"25"/.31" Bearing, Flange, 1/2" x 1/4"	1390 2444				Duter Barrier Latch (Assembly #915-0345A) 3-16, Hex, Lock, Jamb	915-0435 20926
42	1	Weldment, Latch, Lift/Tite, Rear	27013	RW 127	1	Weldme	ent,Tube-IB Fold Arm-Rear	918-0625FNA
43 44	1 2	Weldment, Latch, Lift/Tite, Front Screw, #4-40 x 5/8", Round Head	27013				Duter Barrier Cylinder, Front 16-18 x 1 1/2" Hex Head, Cap	990-0352 10014
44	2	Screw, #4-40 x 5/8", Round Head Screw, 1/4-20 x 3/4", Flat Head, Countersink	2898				16-18 x 1 1/2" Hex Head, Cap 16-20 x 1", SHCS, w/Nylock Patch	28474
46	1	Screw, #8-32 x 1", Mach. Truss Head	19912	BK 131	4	Screw,	#10-32 x 3/8", Flat Head, Hex	24537
47 48	2	Nut, #4-40 w/Lockwasher Nut, #8-32, Hex	1953				r, Cylinder/Outer Barrier Lever-Out 16-18 x 3/4", Button Head, Soc Cap Hd	990-0341 24440
40	1	Bag, Vinyl - 7" x 10"	3117				Pop, 3/16"25"/.38", Black	14993
50	2	Cylinder, 14.625"/29.146" Retracted	C1514.3-				r, Cylinder/Outer Barrier Lever	915-0341N
51 52	1 4	Screw, 10-32 x 5/8" Pan Head Phillips, Thd. Cut Washer, 1/4"External Tooth	2671 8358			Harnes	s, Sensor - Cherry w/Plug #4-40 x 1/4" Phillips Head	32645NA60 11480
53	1	Clamp, 5/8" Closed Insulated	8407				able, 1/2", Plastic	10092
54	1	Vertical Channel Weldment, Front, 42"	918-0442			Nut, 5/1	16-18, Top Lock, Black	28324BK
55 56	1 2	Cover, Plastic, Parallel Arm, O/S Front-w/Tape Tape, 1" Wide S-Face Foam, x 14" (1 Shown)	915-070 82015R				4-20 x 1/2", Button Head Socket 8-16 x 2", Hex Head, Cap	15733 10027
57	6	Tape, 1" Wide S-Face Foam, x 10" (3 Shown)	82015R				Assembly	1000-2395A
58	1	Cycle Counter-LCD Without Reset	3054				Retainer	915-5353
59 60	2	Handrail Weldment Rivet, Push In - 8MM	985-461				16-18 Hex, Lock nner Rollstop Lever, Upper-Outer	11387BK 916-5434
61	4	Bumper, Rubber, 31/32" O.D.	1095	0 146	6	Clamp,	1/4" I.D Nylon Loop	84396
62 63	2	Screw, #8-18 x 1/2", Self-Tap, Phillips Bulb, Light 20-W, Halogen Reflector	1358				r, #10, Flat, Auto BK Snap, .201" x .256"/.295"	11541 26362
63	2	Nut, #10-32 w/Lockwasher	1834				g, Flange, 1" x 1/2-16 FDU08	26362
65	2	Screw, 1/4-20 x 3/4", Button Head, Socket Cap	81068-	000 150	1	Cover,	Plastic, Parallel Arm, O/S Rear-w/Tape	915-0702NA
66 67	6	Washer, 3/8" Flat, Black Nut, 3/8-16, Hex Lock	1006				ent, Inner Rollstop Bracket, Front , Handrail, .375" Thk. UHMW	985-0431FNW 995-0301
68	2	Cotter Pin, 1/4" x 2", Black	15886				r, .516" I.D. x .75" O.D. x .250", Black	25336
69	2	Nut, 1/4-20 Hex Lock	1077	5 154	1	Cover,	Plastic, Parallel Arm, I/S Rear-w/Tape	975-0703NA
70 71	1 2	Cover, Plastic, Parallel Arm, I/S Front-w/Tape Threshold Strip Switch	975-070				ent, Inner Rollstop Bracket, Rear Torsion366 I.D. x .05"	985-0431RNW 30386
72	2	Bolt, Shoulder, 5/16" x 5/8"-1/4-20	3181	6 157	4	Spacer,	, IB Lock	30394
73	8	Washer, .516" I.D. x 1" O.D. x .0269", Auto BK	1532	8 158	2		ent, IB Lock	985-0630NW
74 75	10	Washer, 1/2" Flat Black Zinc Bolt, 3/8-16 x 1", Hex	2534				g, 3/8" I.D. x 1/2" Long .65" O.D. x 1/2" Long	30405 985-0631N
76	2	Washer, 3/8", Lock, Black	10069	BK 161	4	E-Clip,	3/8" Shaft	84383
77	2	Lever, Inner Rollstop	985-040	04N 162		Spacer,	, Handrail, .230" Thk. UHMW	911-5301
78 79	4	Clamp, Insulate, 1 3/8" I.D. Washer, 5/16" Lock, Black	2976				r, Cylinder/Outer Barrier Lever s, Sensor - Magnetic w/Plug - 15"	915-0344 30433A15
80	2	Gas Spring, Fold Arm	2918	6 165	1	Rivet, F	Pop, 3/16"13/.25" - SD64BS	11513
81 82	2	Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread Washer, 3/8", Lock	2918				, Flange, 3/8" x 1/4" - Plastic ssy, Vertical Channel	24028 31062A
82	1	Spacer, Flap Cylinder .184" Thick	915-04				iter Barrier - Assembly	915-6367NA
84	2	Clip, Safety, 3/8-16 x 3/4", Flange	1260	8 169	1	Washer	r, .4" I.D. x .810" O.D. x .12"	24536
85 86	6	Bolt, 3/8-16 X 3/4", Flange Button Head, Socket C Bolt, 5/16-18 x 2", Flange, Hex	ap 2517 2513				, UHMW75" O.D. x .39" I.D. x .25" 8-16 x 3/4" Soc. Hd. Cap Screw Bk.	30227 26259
87	2	Nut, 5/16-18, Serrated Flange	2513			Spacer,	, Flap Cylinder .700" Thick	915-0415
88	2	Arm, Slide Support (Replace In Pairs)	985-66	12N 173	1	Guard,	Outer Barrier Sensor Wires	915-0368N50Y
89 90	2	Slide, Platform, Rotate, Weldment Spacer, .5" O.D. x .334" I.D. x 1.515" LG	915-060				r, Finger, Disc Spring #10-32 x 1/2" Button Head, Socket, Cap	27276 30375WP
90	10	Bearing, Flange, 3/4" x 1/4"	2013				n Sensor Spacer	30375WP
92	2	Weldment, Platform Pivot Arm - 42" (Replace In P	airs) 918-0640N	W-BKN 177	1	Slide, L	JHMW, Platform Rotate	31677
93 94	2	Pin, Pivot, Lower Arm Ring, Snap, 3/4", External	900-04				4-20, Hex 4-20 x 1", Hex	10057 10001
94	2	Bearing, UHMW, Flat, 1.226"	205-176	50 180			4-20 x 1", Hex ut, #4-40 x 1/8" Barrel	32949
96	2	Ball Stud, 10MM	21301					
	1 6	Vertical Channel Weldment, Rear, 42" Plastic End Cap, 1" I.D. x 1 1/4" O.D.	918-0442F 20474					
97 98			19074			i .		1

42" Floor-to-Ground Lift Exploded View





### 48" Floor-to-Ground Lift Repair Parts List

Province of the second			Part	Numbers of	Items Dedic:	ated n	er I ift	Model		
	Item	Qty.	Description	NL916IB	NL916FIB	NL9	17IB	NL917FIB		
a)         a)         b)         Court, May, 2 mon         The courter of the cour										
5.         Date Date Assessment (p. 5.10): 105 (m)         Discovery (P)         PESCUPACY         PESCUPACY <t< td=""><td></td><td></td><td></td><td>915-0519RNPT</td><td></td><td></td><td></td><td></td><td></td><td>915-0519FNPT</td></t<>				915-0519RNPT						915-0519FNPT
9         1         Impulsion         19-24 (FWW)         29-24 (FWW) <td></td>										
2         1         Resp. Dock Amany         31007A         31007A<										
1         Park Rescy Advance         985-20111         <										
10         1         Rapper hose         2003 30         2003			Plate, Backing/Mounting	985-2501RN	985-2501FN	985-	2501RN	985-2501FN	985-2501RN	985-2501FN
11         1         Partial Ann. Soc. Unif and Soc. Soc. Phys.         195-0077A         195-007										
10         10         Parale And exp. Spite Bibleurge         P1-4207HA										
1         Particle Answer, Space For engineers         101/1448/104	12	1	Parallel Arm Assy., Top Rear w/Bearings	917-5437RNA	917-0436RNA	917-5	437RNA	917-0436RNA	917-5437RNA	917-0436RNA
Description         Path Numbers of Lemms Userial         All Lift Models           10         Block, Room Boy, Boy, Boy, Boy, Boy, Boy, Boy, Boy,										
Ibor         Opto         Description         Part No.           10         10         Description         Descripti	14								917-4436FNA	975-4456INA
10         10         Rock, Pattorn Biog Motyong - New Composition of the Compositi	Item	Qty.		Part I	No. Iter			Description		Part No.
11         1         2         Desc. Plas J Plant         3880.           11         2         Desc. Dock Plant J Plant         3880.           12         2         Desc. Dock Plant J Plant         3880.           13         2         Desc. Dock Plant J Plant         3880.           14         Desc. Dock Plant J Plant         3880.           15         Plant Desc. Dock Plant J Plant         3880.           16         Desc. Dock Plant J Plant         3880.           17         Plant Desc. Dock Plant J Plant         3880.           18         Desc. Dock Plant J Plant         3880.           19         Desc. Dock Plant J Plant         3880.           10         Desc. Dock Plant J Plant         3880.           11         Desc. Dock Plant J Plant J Plant         3880.           11         Desc. Dock Plant J Plant J Plant J Plant J Plant         3880.           11 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>) 2</td><td>Spring, I</td><td></td><td></td><td></td></t<>						) 2	Spring, I			
a)         b)         Control (2)         Street (2) <thstreet (2)<="" th="">         Street (2)</thstreet>									t Hd., Cap, Bk.	
a)         B         General, L.D. 2017 Physics, Value 2017 2017         97726           b)         1         Physics, Value 2018         99728           c)         1         State, Wate, Name, N									Black	
2)         1         Prior. Outer Birrier Lever.         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         285300         2853000         2853000         2853000					9 104	2	Block, G	iuide-Platform Stow		28593
2         1         306, UHAN, National Model         91977         9         8 and utility, Water and Utility, Wate										
30         1         Back Way Head         38804         100 <t< td=""><td>22</td><td></td><td>Slide, UHMW, Platform Rotate</td><td>3167</td><td>7 107</td><td></td><td></td><td></td><td>I</td><td></td></t<>	22		Slide, UHMW, Platform Rotate	3167	7 107				I	
28         1         Genome, D. 217, FP. 207, GD. 207, DD. 20	23	1	Stud, Wing Head	2880	108	1	Position	Sensor Collet		31093
26         1         Pump Assembly         31028-197           10         De Noch Zanital Annua Black         817-201         100         De Noch Zanital Annua Black         81028-197           20         1         Order Ason, One Barne         2806         11         2000         2000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Compressed</td> <td></td>									Compressed	
27         10         Prop. Proc. Prop. Rep. Apres Theory         111         3         Watter, 6 or 1, Earnar Tools         1998           30         1         Screen Advances         915-331344         1008			Pump Assembly				Bolt, 5/1	6-18 x 3/4", Carriage. Bl	ack	
20         1         Processes (D_C)Cn         2003           20         1         Decode Inter Loss, Margine Tu Gur.         915-370           20         1         Lotto, Dare Inter Loss, Malagen Lingth, Tu Gur.         915-370           20         1         Lotto, Dare Inter Loss, Malagen Lingth, Tu Gur.         915-370           20         1         Lotto, Dare Inter Loss, Malagen Lingth, Tu Gur.         915-370           20         1         Lotto, Dare Inter Loss, Malagen Lingth, Tu Gur.         915-370           20         1         Advertely, Book, Hee         2007-20           20         1         Advertely, Book, Hee         2007-20           20         1         Advertely, Book, Hee         2007-20           20         1         Advertely, Book, Hee         2008-20	27	10	Pin, Pivot, Parallel Arm	917-04	103 112	3	Washer,	5/16", External Tooth		16368
30         1         Optimiter Assoc, Outer Betters         915-53189A.         9110         3         Benerry, URBAY, USPA, Instein         916-5400           31         1         Sceney, Life A, Varian Markins, Carlor Fall         9011         31         31         32         32         2         Watch S, UP Fall         915-541										
31         1         Spree, 102.87, 82% Pair Head Philips, Tub Cut         26714           31         1         Lobus Bierri Avan Magent         (Fis-6430)         2002           32         2         Bield Schaft Bierri Avan Magent         (Fis-6430)         2002           34         2         Weather, Strip Fait         2002         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         1         3000         110         110         1000         3000         110         11000         11000         11000         11000         11000         11000         11000         110000         110000         110000         110000         110000         110000         110000         110000         110000         1100000         1100000         1100000         11000000         11000000000										
38         2         Both, 16/16 kr. 107 (* Marco, 16/07)         1012         10         Second, 14/16 Aut, auch, auch, auch, 2007, 2017         2967,720           38         2         Marco, 11/16 / Marco, 16/07         2009,44         2017,41	31	1	Screw, 10-32 x 5/8" Pan Head Phillips, Thd. Cut	2671	4 116	2	Pivot, In	ner Rollstop Lever, Uppe		916-5433
34         2         Water, Life Tell         10083         110         11         Spring, 14* / 12* /										
36         2         80.         38.         1         Assembly, B Couple durants         28929000           38         1         Assembly, B Couple durants         289290           39         1         Reset Mail (Structure)         289290           30         1         Reset Mail (Structure)         289290           30         1         Reset Mail (Structure)         289290         289290           30         1         Reset Mail (Structure)         289290         289290         289290         299200         299200									oks	
37         1         Assembly, Ready Position, Sensor         910944           38         2         Box, File, Star,	35		Bolt, 3/8-16 x 1/2" Nylock, Hex	2972	9 120		Tubing,	Polyurethane - 1/4" I.D. :		
38         2         801, 876-18 347 Myock, Hex         2808           31         8         1         Reg. Too, 195, 207-317         3504           41         9         100, 207-317         1504         100         916-005           41         1         Weshmerl, Lade, LUTIR, Fora         2010         916-005         916-005           42         1         Weshmerl, Lade, LUTIR, Forat         27013PW         128         1         Long Out Particity, Ford         980-0325           43         1         Weshmerl, Lade, LUTIR, Forat         27013PW         128         1         Long Out Particity, Ford         980-0325           44         2         Score, #6-23, 217, Main, Tos, Forat         1992         10014         128         1         Prock, Out Particity, Ford         980-0321           45         2         Main, #6-33, Hot         1077         138         2         Bolt, 101-18 at 127 Hota, Kal, Coo, Coo, Hota, Coo, Score, Hota, Score, Hota, Score, Hota, Score, Hota, Score, Hota, Coo, Score, Hota, Coo, Score, Hota, Coo, Score, Hota, Coo, Score, Hota, Score, H										
39         1         First Des (256)         Sec:02587W         1524         1         Weidment, Lack, Ling,									Thick	
41         4         Bearing, Harpa, 1/2* x1/4*         244/2           41         4         Nut, Barpa, 1/2* x1/4*         1000588           42         1         Westment, Linke, Linke         1000588           44         2         Strew, 47.40         347         20138W           45         2         Strew, 47.40         347         20138W         20011           46         1         Strew, 47.40         347         20148         2015         2014         2015         2015         347         2014         <			Rivet, Pop, SD68 BSLF-3/16"38"/.50"	1524	4 124		Weldme	nt, Tube-IB Fold Arm-Re	ar	
42         1         Wednern, Lick, Luth, Luth, Luth, Luth, Berger, Alasses         27019FW           43         1         Wednern, Lick, Luth, Berger, Alasses         985-0025FW           44         2         Strew, FA-0, SP, Hourd, Head         10014           45         1         Strew, FA-0, SP, Hourd, Head         10014           46         1         Strew, FA-0, SP, Hourd, Head         10014           47         2         Nut, FA-0, SP, Hourd, Head         10014           48         2         Nut, FA-0, SP, Hourd, Head         10014           48         2         Nut, FA-0, SP, Hourd, Head         10014           49         1         Adapter, Contect/Outer Barrier Lower-Out         10014           40         1         Adapter, Contect/Outer Barrier Lower-Out         100324           51         Adapter, Contect/Outer Barrier Lower         1015-9344         10014         10014           52         4         Washer, External Tooln         8558-4471NV         1001         10012         10022           53         4         Washer, External Tooln         82015F010         1032         2         Nut. Hourd Head         100022           54         4         Washer, External Tooln         82015F010         103									mbly #915-0345A)	
43         1         Weidmen, Luth, Luth/Tie, Front         2013PW           44         2         Serve, A440 & SP, Rourd Head         4810           45         2         Serve, A440 & SP, Flat Head, Counteraink         29886.           45         2         Serve, A440 & SP, Flat Head, Counteraink         29886.           45         2         Serve, A420 & SP, Flat Head, Counteraink         29886.           46         2         Serve, A420 & SP, Flat Head, Counteraink         29886.           47         2         Serve, A420 & SP, Flat Head, Counteraink         29897.           48         2         Nuel, #52, Flat Max, Trus Flexe         199157.           49         1         Bag, Umir, "Tr 10"         3117.           50         2         Cylinder, H. 42557.201.46" Brainer Levee         915.0344.           51         Adaget, Cylinder, Max, Barrol,									nt	
d5         2         Screw, H52 x1 <sup>+</sup> , First Head, Counteraink         28886           d6         1         Screw, H52 x1 <sup>+</sup> , Hahr, Trust Head         199125K           d7         2         Nr.4, H40 W.Chwarber         199125K           d8         1         Adagter, Cylinder/Ucker Barire Lever         915.0344           d9         1         Adagter, Cylinder/Ucker Barire Lever         915.0344           d10         1         Adagter, Cylinder/Ucker Barire Lever         915.0344           d11         Adagter, Cylinder/Ucker Barire Lever         915.0341           d12         Dealer, Branile Jam, Obb         52.0776           d13         1         Corver, Plast, H4 1981, H40         1002           d14         Burger, Wides S-Face Foam, 141 <sup>+</sup> (1950m)         803145011           d14         Burger, Wides S-Face Foam, 141 <sup>+</sup> (1950m)         803145011           d14         Burger, Wides S-Face Foam, 141 <sup>+</sup> (1950m)         803145011										
46         1         Screw, #0.52 x 1, Mach. Tuses Head         19912           47         2         Nuk, #4.40 vt.Cohwasher         19937           48         2         Nuk, #4.30 vt.Cohwasher         19937           48         2         Nuk, #4.30 vt.Cohwasher         19974           49         2         Nuk, #5.2 x1, **         1077           40         2         Cohwasher         1077           41         1         Adapter, Cohwasher         191543440           51         Versher, External Torsher         191543440           51         Versher, External Torsher         1916           52         4         Washer, Ernang, Dros, Spring, and Straft, Torsher         29154014           53         4         Washer, Ernang, Dros, Spring, and Straft, Torsher         29154014           54         4         Washer, Ernang, Dros, Spring, and Straft, Torsher         29154014           56         2         Tape, 1'Wosh S-Face Form, 10' (1 Shown)         20114914         2 Bolic Masent/hi         20022354           56         2         Drove, Face Form, 10' (1 Shown)         2011491         2         Bolic Assert/Hi         201022354           57         6         Tape, 1'Wosh S-Face Form, 10' (1 Shown)         2011491										
47         2         Nut, 44-4 wit.ockwasher         19837           48         2         Nut, 48-32, Hwx         10777           49         1         Bag, Writ-7*, 167         980, 2011           49         2         Optimizer, 14.52738         Hads         1483           51         2         Optimizer, 14.52738         Hads         1498           52         4         Washer, Freger, Bolds, Dirac Mark, Soc Cap, Hu         24440           53         4         Washer, Freger, Bolds, Dirac Mark, Soc Cap, Hu         2112         Adapter, Cytinder/Cuber Barner Lever-Out         1990, 2011           54         1         Over, Bestic, Franzellam, CoS, Fronts-VTage         915, 0704A         1132         6         Physics,										
49         1         Bag, Yuni - T''s 10"         31174           50         2         Oyinder, 14 6570 44P Retracted         C1514.3-404         1         4         Adagete, Orinder, 1426 STO, 14P Retracted         2150.344           51         1         Adagete, Orinder, 1426 STO, 14P Retracted         2150.344         138         1         Adagete, Orinder, 1426 STO, 14P Retracted         2150.344           53         4         Wentson, Total Among, Vender, 147         195.0444         138         1         Adagete, Orinder, 1426 STO, 14P Retracted         2150.344           54         1         Ventical Channel, Wedment, Front, 47"         955.0444FNW         139         2         Nu. 47:16-15. Top. Lock, Black         223234           56         1         Coxer, Retracte, Paster,										
60         2         Cylinder, 14.857'28.146' Pletrated         C1514.3-8408           51         1.         Adapter, Cylinder/Outer Barrie Lever         915-50341           52         4         Washer, Fisch, Outer Barrie Lever         915-50341           53         1.         Adapter, Cylinder/Outer Barrie Lever         915-50341           53         1.         Adapter, Cylinder/Outer Barrie Lever         915-50341           54         4         Washer, Fisch, Outer Barrie Lever         915-50341           55         1.         Cover, Plastic, Parallel Am, OS' Fort-Wripp         915-0734NA           56         2         Tipp, 1''Wds S-face Faan, 10'' (S hown)         82015R010           57         6         Tape, 1''Wds S-face Faan, 10'' (S hown)         82015R010           58         1         Optic Curter-Low Mithout Rest         30567           59         2         Handrat Weidrient         995-6478 WW           61         8         1.         Delar. Alse Time Rolation, Lew Cap.         110502           62         2         Screw, 14-0.2 X 41'', Buthon Head Socket Cap.         10027           63         2         Mark Time, Mark T										
51         1         Adapter, Cylinder/Cuter Bairer Lever         915-0344           52         4.         Washer, External Tooh         8558           53         4.         Washer, Frager, Dies, Spring         227276           54         1.         Vertical Channel Weidmert, Fronz, 45°         10592           55         1.         Cower, Plaste, Paralel Am, IOS Front-wiTapp         915-07404           56         1.         Cower, Plaste, Paralel Am, IOS Front-wiTapp         915-07404           57         6         Tips, 1.*Wide Schee Forms, 10' G Shown         2805170           58         1.         Cycle Counter-LOD Without Reset         30567           59         2.         Handrail Weidment, Fronz, Mark         985-6418W           60         8.         River, Fush In -8MM         30063           61         4.         Bumper, Rubber, Statt         31863           62         2.         Screw, Hall Statt         116000         4436           64         Aumper, Rubber, Rig Back         10064         146         Clamp, Lipt 2004 (H10 Vytion Loop)         94396           65         2.         Screw, Hall Statt         10064         1064         1078         106           64         2.										
38         4         Washer, Finger, Disc Spring         27276           54         1         Cover, Plastic, Farallel Arm, QS Fordt-WTape         915-0704NA           55         1         Cover, Plastic, Farallel Arm, QS Fordt-WTape         915-0704NA           56         2         Tape, 1* Wols S-Face Foam, x1 (* I Shown)         82015P01           57         6         Tape, 1* Wols S-Face Foam, x1 (* I Shown)         82015P01           58         1         Cycle Counter-LOW Whoto Heese         30647           58         2         Screw, He12 X 127, Self Tag, Phillps         1392           58         2         Screw, He12 X 127, Self Tag, Phillps         1393           58         2         Nut, Sh16-18 Hee, Lock         18940           56         2         Screw, He12 X 347, Buton Head, Socket Cap         10064           57         4         Nut, Sh16-18 Hee, Lock         1691         Cover, Heads, Arri, Parke, Parkel, Parkel Arm, DS Bear-WTape         975-0701NA           58         2         Cotter Fi										
54         1         Vertical Channel Weidment, Front, 42"         955-0448FNW         139         2         Nut, 516-18, Top Lock, Black         283244K           55         1         Cover, Plasite, Prankle Arm, 05 FortewTape         915/07/04NA         140         2         Bott, 14-20 x 1/2; Button Head Societ         1573           56         1         Dover, Plasite, Prankle Arm, 05 FortewTape         905/07         140         2         Bott, 14-20 x 1/2; Button Head, Societ         1573           57         6         Tape, 1" Wols S-Face Foam, x14" (1 Shown)         B2015/101         142         2         Roller Assembly         10002-295-54           58         1         Oryce Counter-LCD Without Reset         305/07         143         2         Plaster Relatiner         815-533           60         2         Strow, #14-20 x 3/4", Button Head, Socket Cap         19950         144         6         Clamp, 14" 10 - Ninpo, 15/02         94396           61         2         Strow, #14-20 x 3/4", Button Head, Socket Cap         81068-000         148         18         Playet, Straw, 20* x 2567', 209''         26332           65         2         Strow, Halson, Kall         Strow, Halson, Kall         10002         140         18         Playet, Strow, 20* x 2567', 209''         26332									t i i i i i i i i i i i i i i i i i i i	
55         1         Cover, Plastic, Parallel Arm, US Fortk-WTape         915-0704HA         140         2         Bott, 14/20 x 127, Button Head Socket         15733           56         2.         Tape, 1* Wols S-Face Foam, x 10* (3 Shown)         B2015P014         141         2.         Bott, 14/20 x 127, Button Head Socket         15733           57         6         Tape, 1* Wols S-Face Foam, x 10* (3 Shown)         B2015P014         142         2.         Bott, 14/20 x 127, Button Head Socket         110027           58         1         Crybe Counter-LOW Whoot Reset         30547         142         2.         Roller Assembly         10022         1102           58         1         Crybe Counter-Low Whoot Reset         30547         142         2.         Roller Assembly         1002         8436           58         2.         Scrww, 47-102 XW, Holdgen Pelfector         31060         144         144         2.         Roller Assembly         20502         144         8         Pelfer Assembly         20502         144         144         2.         Nut, 516-51 KW, WW         20502         20502         144         148         148         148         148         149         4         Bearing, Fange, 1*x 12-16FUU08         205031         15502         15502         <							Clamp, 0	Gable, 1/2", Plastic		
66         2         Tape, 1' Web 5-Face Foam, x14' (1 Shown)         82015R010           76         6         Tape, 1' Web 5-Face Foam, x14' (1 Shown)         82015R014           78         1         Cycle Counter-LCD Winou Reset         30547           78         1         Bumper, Lubox 112, Septem Park         915-533           78         2         Bumper, Lubox 112, Septem Park         915-533           78         2         Sortew, 114, 20, 144, Colseawhar         1950           76         4         Nut, 110-24 wind Colseawhar         1950           76         4         Nut, 110-24 wind Colseawhar         1950           76         4         Nut, 110-24 wind Colseawhar         1950           77         4         Nut, 110-24 wind Nuth         9150-0720 MA           78         2         Sortew, Nuth         9160-651           78         2         Sortew, Nuth         916         925-0501 MA           79         2         Sorthy Sortew Nuth         916-			Cover, Plastic, Parallel Arm, O/S Front-w/Tape	915-070	04NA 140		Bolt, 1/4	-20 x 1/2", Button Head	Socket	
1         Cycle Counter-LCD Without Reset         30647           99         2         Handrail Weidment         995-6418NW           90         8         River, Push In - 8MM         30063           91         4         Bumper, Rubber, 3102° O.D.         10950           92         2         Screw, 48-18 x 12°, Self Tap, Phillips         13583           94         2         Mub, Lipt 20W, Halogen Reflector         31060           95         2         Screw, 14-20 x 34/*, Buton Head, Socket Cap         81068-000           96         2         Nut, 470-32 wLockwasher         13349           96         2         Cotter Pin, 14″ x 2°, Back         10064-00           96         2         Nut, 14/2-01 Kex Lock         13617           96         2         Cotter Pin, 14″ x 2°, Back         10064           97         4         Nut, 14/2-01 Kex Lock         1561           97         2         Bott, Shoulder, 516 x 35-14″-20         31816           71         2         Bott, Shoulder, 516 x 35-14″-20         31816           72         2         Bott, Shoulder, 516 x 35-14″-20         31816           73         Washer, 410 and Max         10025           74         Bott, Shoul			Tape, 1" Wide S-Face Foam, x 14" (1 Shown)				Bolt, 3/8	-16 x 2", Hex Head, Cap		
99         2         Handrail Weidment         985-4618NW           00         8         Rivet, Push in - 6MM         30063           11         4         Bumper, Rubber, 3172° O.D.         10950           21         Screw, 48-18 x12°, Self-Tag, Philipp         113583           14         Bumper, Rubber, 3172° Self-Tag, Philipp         113583           15         2         Bub, Lipht 22-W, Halogen Reflector         31060           165         2         Screw, 48-18 X12°, Self-Tag, Philipp         113549           165         2         Screw, 14-20 X 3/4°, Buton Head, Socket Cap         61069-000           165         2         Screw, 14-20 X 3/4°, Buton Head, Socket Cap         10064           165         2         Screw, 14-20 X 3/4°, Buton Head, Socket Cap         1007014           166         2         Nut, 140-32 Wux Lock         103674           17         2         Bott, Shubter, 12° Fiat, Black         100714           183         1         Couter Hin, 14 X 2         Back         25724A           10         Washer, 16° Fiat, Black Zinc         25744         Stateer, 1880C, Parallel Arm, US Bearw/Tage         25724A           17         2         Bott, Shubter, 172° Fiat, Black Zinc         2656301W         2656301W <td></td>										
61         4         Bumper, Fubber, 31/32° (D.,         10950           62         2         Sorrew, #6-18 x172, Self-Tap, Phillips         13583           76         2         Bub, Lght 20-W, Halogen Reflector         31060           76         2         Strew, #6-12 x 3/4", Button Head, Socket Cap         81068-000           76         2         Screw, #1-42 x 3/4", Button Head, Socket Cap         81068-000           76         6         Washer, 30", Flat, Black         10054           78         2         Corter Fin, 14" 27, Black         15886BK           79         2         Nut, 14-20 Hex Lock         10775           71         Corver, Plaste, Parallel Arm, US Front-wTape         975-0701NA           71         2         Threshold Strip Switch         31816           73         Washer, 30", Flat Black Zinc         25346           74         10         Washer, 51", Lot, 75", Lock, Black         100055           76         6         Washer, 51", Lock, Sile Lock         30394           77         2         Lever, Inner Rollstop, Lock, Black         100058           77         2         Bolt, Sinci As, 31", Sinci As, 31", Sinci As, 32", Lock, Black         10059           78         4         Clamp, Linky,	59		Handrail Weldment	985-461	8NW 144	2	Nut, 5/16	6-18 Hex, Lock		11387BK
12       Screw, #6-18 x1/2", self-Tap, Phillips       13680         13       2       Nut, #10-32 w/Lockwasher       31060         14       1       Ramp, 56" Closed Insulated       26382         15       2       Nut, #10-32 w/Lockwasher       18349         16       2       Nut, #10-32 w/Lockwasher       18064.00       20303         16       2       Screw, 14-0.32 x1/3", Editon Head, Socket Cap       81064.00       20303         16       2       Washer, 30", Flat, Black       10064       1067.10       205.70       10.70       205.70       985.9431FWW       985.9431FWW       995.9431FWW       995.9431FWW       995.9431FWW       995.9431FWW       1077.5       12       Washer, 10', Flat, Auto BK       110775       14       Cover, Plastic, Parallel Arm, US Fort-Warape       975.9701NA       155       1       Weidment, Inner Folistop Bracket, Rear       995.9431FWW         71       2       Bolt, Shoulder, Sifk St.96-14V-20       31816       11541       Cover, Plastic, Parallel Arm, US Fort-Warape       975.9701NA         73       3       Washer, 10', Flat, Auto BK       100025       31816       1154       165       2       Sprain, Fort-UL, NuthWW       985.9431FW         74       4       Gaary, Jinue Jinake, 138' Lo K, Baak									er-Outer	
63         2         Bulb, Light 20-W, Halogen Reflector         31060           64         2         Bulb, Light 20-W, Halogen Reflector         31080           65         2         Screw, 1/4-20 x 3/4', Button Head, Socket Cap         81089-000           65         2         Screw, 1/4-20 x 3/4', Button Head, Socket Cap         81089-000           66         2         Washer, 3/4', Z', Black         10064           67         4         Nut, 1/4-20 Hex Look         10317           68         2         Cotter Pin, 1/4* 27, Black         15886BK           69         2         Nut, 1/4-20 Hex Look         10775           71         2         Threshold Strip Switch         31216           72         2         Boll, Shoulder, 5/16 x 5/6-14/*20         31816           73         3         Washer, 3/6 x 1', Hex         10025           74         10         Washer, 3/6 x 1', Hex         10025           75         2         Boll, Shoulder, 5/16 x 5/6, Black         10069           77         2         Lever, Inner Rollstop         985-0631M           78         4         Clamp, Sarger, Field Xi, Xi, Ki, Fing e         915-0371M           78         2         Bealis, Xu, Gas Spring, 13MM x 3/8-16 T r										
66         2         Screw, 1/4-20 x 3/4", Button Head, Socket Cap         8108-000           66         2         Washer, 3/8" Flat, Black         10064           67         4         Nut, 3/8-16, Hex Lock         13917           68         2         Cotter Fln, 1/4" 22, Black         1500         1         Weidment, Inerr Rollstop Bracket, Front         995-0301           70         1         Cover, Plastic, Parallel Arm, US Front-w/Tape         975-0701NA         152         4         Spacer, Handrall, 375' Th, UHWW         995-0301           71         2         Boh, Shoulder, 516 John Stip, Suitch         31221A         155         1         Weidment, Inerr Rollstop Bracket, Rear         985-0431RW           71         2         Boh, Shoulder, 516 John Stip, Suitch         31221A         156         2         Spring, Torsion - 366 I.D. x. 05'         30386           72         Boh, Shoulder, 516 John Stip, Stath         1154         1         Cover, Plastic, Parallel Arm, US Rearw/Tape         975-0703NA           73         3         Washer, 516'I.D. X. 168'L         10048         1154         155         14         Spacer, BLock         30384           72         Boh, Shonulder, 516 John Stip,	63	2	Bulb, Light 20-W, Halogen Reflector	3106	60 148	18	Rivet, Sr	nap, .201" x .256"/.295"		26362
66         2         Washer, 38° Flat, Black         10064           67         4         Nut, 38° Flat, Black         13817           68         2         Cotter Pin, 14" x 2°, Black         15886BK           69         2         Nut, 13-20 Hex Lock         1575           70         1         Cover, Plastic, Parallel Arm, US Front-wTape         975-0701NA           71         2         Threshold Strip Switch         31221A           72         2         Bolt, Shoulder, Sife X 58-14"-20         31616           73         Washer, 470, Flat, Auto BK         11541         155         Weldment, Inner Rollstop Bracket, Fear         985-0431RNW           73         Washer, 370, Fax 17, Hex         30394         30394         30394           74         10         Washer, 38°, Lock, Black         10025         30394           76         6         Washer, 36°, Lock         985-0431N           77         2         Lever, Inner Rollstop         985-0431N           78         4         Clap, 38°, Shatt         84383           77         2         Lever, Inner Rollstop         985-0431N           78         4         Clap, Shatt         84383           78         4										
67       4       Nut, 28:-16, Hax Look       13617         68       2       Cotter Fin, 14* 27, Black       15886BK         69       2       Nut, 14-20 Hex Look       10775         70       1       Cover, Flastic, Parallel Arm, US Front-w/Tape       975-0701NA         71       2       Threshold Strip Switch       31221A       1156       1       Cover, Flastic, Parallel Arm, US Fear-WTape       975-0701NA         72       2       Bott, Shoulder, Si 16, 5/8-1/4*-20       31816       1156       1       Weidment, Inner Rollstop Bracket, Rear       985-0431RNW         73       3       Washer, 16/10, Fait, Auto BK       11511       156       2       Spring, Torsion - 366 1D, x. 05"       30386         76       6       Washer, 15/10, Fait, Auto BK       11541       158       4       Spacer, Handrail, 230" Thc, UHMW       995-0431RNW         77       2       Bolt, 38-10, Fait, Auto BK       110069BK       158       4       Spacer, Handrail, 230" Thc, UHMW       985-0431RNW         78       2       Meaher, Sife 1D, x. 170 D, x. 260"A       30394       30386         77       2       Levrer, Inner Rollstop       985-0401RNW       1152       168       2       Spacer, Handrail, 230" Thc, UHMW       915-3015     <										
69         2         Nut, 1/4-20 Hex Lock         10775           70         1         Cover, Plastic, Parallel Arm, I/S Font-WTape         975-0703NA           71         2         Threshold Strip Switch         31221A           72         2         Bott, Shoulder, 516 x 5/8-144"-20         31816           73         3         Washer, 710, Flat, Juto BK         11541           74         10         Washer, 712" Flat Black Zinc         25346           75         2         Bott, 36-16 x 1", Hex         100025           76         6         Washer, 376", Lock, Black         100098K           77         2         Lever, Inmer Rollstop         985-0404N           78         4         Clargn, Insulate, 136" I.D. x 102" Long         985-0604NN           78         2         Gas Spring, Fold Arm         29765           79         2         Washer, 516" Lock, Black         10068           60         2         Gas Spring, Fold Arm         29185           81         1         Spacer, Flap Cylinder. 144" Thick         915-0416           82         2         Washer, 516" Lox, X <sup>+</sup> , Flange         24028           86         2         Arm, Slide Support (Heplace In Pairs)         985-0612N	67	4	Nut, 3/8-16, Hex Lock	1361	7 152	4	Spacer,	Handrail, .375" Thk. UH!	WN	995-0301
70         1         Cover, Plastic, Parallel Arm, US Front-WTape         975-0701NA           71         2         Threshold Strip Svitch         3121A           72         2         Bolt, Shoulder, 516 x 56-14*20         31816           73         3         Washer, #10, Flat, Auto BK         11511           74         10         Washer, #1/2" Flat, Black Zinc         25346           75         2         Bolt, 38-16 x 1', Hex         10025           76         6         Washer, #10" Flat, Black Zinc         25346           77         2         Lever, Inner Rollstop         985-0631N           77         2         Lever, Inner Rollstop         985-0640NH           78         4         Clamp, Insulate, 130" ID.         29765           79         2         Washer, 516" ID. X 10" D. X 269", Aluto BK         15328           79         2         Washer, 516" ID. X 10", D. X 269", Aluto BK         15132           81         2         Ball Stud, Gas Spring, 13MN x 38-16 F. Thread         29185           82         Paster, 516" X 34", Flange Button Head, Socket Cap         25131           84         2         Chip, Satey, 364 K 344", Flange Button Head, Socket Cap         25131           70         Spacer, Flap Cylin										
71         2         Threshold Strip Switch         31221A         Spring, Torsion366 LD, x 05"         30386           73         3         Washer, #10, Flat, Auto BK         11541         10         Washer, #10, Flat, Auto BK         30394           73         3         Washer, #10, Flat, Auto BK         11541         157         4         Spacer, IB Lock         985-0630NW           74         10         Washer, 12" Flat Black Zinc         25346         166         4         Beatring, 36" Lock, Rick         10025           76         6         Washer, 36", Lock, Black         100059         985-0404N         169         4         Beatring, 16" Lock, 17" Clong         985-0631NW           77         2         Lever, Inner Rollstop         985-0404N         161         4         Fclup, 38" Shaft         984383           78         2         Washer, 516" Lock, Black         10068         164         3         Rivet, Pop, 316" Loc, Net/WW         11513           80         2         Gas Spring, Told Arm         29186         165         2         Rivet, Pop, 316" X, 108", 104" - Plastic         24028           81         Spacer, Flap Cylinder, 184" Thick         915-0416         166         172, 400, 148 - Plastic         24028           <										
73       3       Washer, #10, Flat, Auto BK       1151         74       10       Washer, #10, Flat, Black Zinc       25346         75       2       Bolt, 3/8-16 x 1", Hex       10025         76       6       Washer, 3/8", Lock, Black       10069BK         77       2       Lever, Inner Rollstop       985-0404N         78       4       Clamp, Insulate, 1.36" LD.       29765         79       2       Washer, 516" Lock, Black       10068         80       2       Gas Spring, Fold Arm       29186         81       2       Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread       29186         82       2       Washer, 516" I.D. x 11/2". Long       11512         83       1       Spacer, Flap Cylinder, 184" Thick       915-0416         84       2       Clip, Safety, 3/8-16 X 3/4", Flange       10069         85       6       Boit, 3/1-618. Serrated Flange       25131         86       2       Boit, 5/1-618. Serrated Flange       25132         87       2       Weldment, Platorm Pivot Arm - 48"       2985-66412N         89       2       Side, Platorn Flead, Socket Cap       25131         170       1       Bolt, 3/4-5 16 X 3/4", Side Suppori (Replace I	71	2	Threshold Strip Switch	3122	1A 156	i 2	Spring,	Torsion366 I.D. x .05"		30386
74       10       Washer, 1/2" Hat Black Zinc       25346         75       2       Bott, 3/8-16 x 1", Hex       10025         76       6       Washer, 3/8", Lock, Black       10069BK         77       2       Lever, Inner Rolistop       985-0404N         78       4       Camp, Insulate, 138" I.D.       29755         79       2       Washer, 5/16" Lock, Black       100698         80       2       Gas Spring, Fold Arm       29186         81       2       Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread       29185         82       2       Washer, 5/8", Lock       10069         83       1       Spacer, Flap Cylinder :184" Thick       915-0416         84       2       Clip, Safety, 38-16 X 3/4", Flange Button Head, Socket Cap       25171         86       2       Bolt, 5/16-18 x 2", Flang P Button Head, Socket Cap       25130         87       2       Nut, 5/16-18 x 2", Flange Button Head, Socket Cap       25130         88       2       Arm, Silde Support (Replace In Pairs)       985-6612N         89       2       Silde, Flatform, Rotate       985-0661NW-KBKN         90       2       Spacer, Flap Cylinder :104 '''. Alf" - Plastion Flare Spacer       31092										
75       2       Bolt, 3/8-16 x 1", Hex       10025         76       6       Washer, 3/8", Lock, Black       100690BK         77       2       Lever, Inner Rollstop       985-0404N         78       4       Clamp, Insulate, 13/8", I.D.       29765         79       2       Washer, 3/16", Lock, Black       10068         80       2       Gas Spring, Fold Arm       29186         81       2       Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread       29186         82       2       Washer, 3/8", Lock       10069         83       1       Spacer, Flap Cylinder, 184" Thick       915-0314         84       2       Clip, Safety, 3/8-16 x 3/4", Flange       25131         85       6       Bolt, 3/8-16 X 3/4", Flange Button Head, Socket Cap       25131         86       2       Bolt, 5/16-18, Serrate Flange, Hex       25130         87       2       Nut, 5/16-18, Serrate Flange       25131         88       2       Arm, Silde Support (Replace In Pairs)       985-6612N         90       2       Side, Platform, Rotate       985-0640NW-BKN         91       10       Bearing, Flange, 3/4" x 1/4"       24012         91       10       Bearing, Flange, 3/4" x 1							Bearing,	3/8" I.D. x 1/2" Long		
77         2         Lever, Inner Rolistop         985-0404N           78         4         Ciarmy, Insulate, 13/8" LD.         29765           79         2         Washer, 5/16" Lock, Black         10068           80         2         Gas Spring, Fold Arm         29165           81         2         Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread         29185           82         2         Washer, 3/8", Lock         10069           83         1         Spacer, Flap Oylinder. 184" Thick         915-0416           84         2         Clip, Safety, 3/8-16 X 3/4", Flange         12602           85         6         Bolt, 3/6-16 X 3/4", Flange, Hex         25130           86         2         Bolt, 3/6-16 X 3/4", Flange, Hex         25130           87         2         Arm, Silde Support, Replace In Pairs)         985-6612N           88         2         Silde, Platform, Rotate         2850060N           90         2         Spacer, S <sup>-10</sup> , D. x, 334" I.D. x 1.515" LG         25132           91         10         Bearing, Flang, Jettor, Tark         985-6612N           172         4         Spacer, Flan Cylinder. 700" Thick         915-0415           172         10         Beal, 3/8-16 X 3/4",	75	2	Bolt, 3/8-16 x 1", Hex	1002	25 160	) 4	Roller, .6	65" O.D. x 1/2" Long		985-0631N
78       4       Clamp, Insular, 13/8" I.D.       2975         79       2       Washer, 516" Lock, Black       10068         80       2       Gas Spring, Fold Arm       29186         81       2       Ball Stud, Gas Spring, 13MX 3/8-16 F. Thread       29186         82       2       Washer, 516" Lock, Black       10069         83       1       Spacer, Flap Cylinder, 184" Thick       915-0416         84       2       Clip, Safety, 3/4", Flange       12608         85       6       Bolt, 3/4", Flange Button Head, Socket Cap       25171         86       2       Bolt, 5/16-18, Serrate Flange, Hex       25130         87       2       Nut, 5/16-18, Serrate Flange, Hex       25131         88       2       Arm, Slide Support (Replace In Pairs)       985-6612N         90       2       Spacer, Flap Cylinder, Tad"       915-0368N50Y         71       1       Bott, 3/4", Sternal       915-0368N50Y         90       2       Spacer, Jennal Weidment, Platform Pivot Arm - 48"       985-06612N         91       10       Bearing, Flange, 3/4" x 1/4"       24012         92       2       Weidment, Platform Pivot Arm - 48"       985-06640NW-BKN         93       2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>w</td> <td></td>									w	
79       2       Washer, 5/16* Lock, Black       10068         80       2       Gas Spring, Fold Arm       29185         81       2       Ball Stud, Gas Spring, 13MM x 3/8-16 F. Thread       29185         82       2       Washer, 3/8*, Lock       10069         83       1       Spacer, Flap Cylinder : 184* Thick       915-0416         84       2       Clip, Safety, 38-16 x 3/4*, Flange Button Head, Socket Cap       25171         85       6       Bolt, 5/16-18 x 2*, Flange, Hex       25130         86       2       Bolt, 5/16-18 x 2*, Flange, Hex       25130         87       2       Nut, 5/16-18, Sarrated Flange       266121         88       2       Arm, Silde Support (Replace In Pairs)       985-6612N         90       2       Spacer, Flang Cylinder : 700* Thick       915-0415         172       1       Spacer, Flang Cylinder : 700* Thick       915-0415         173       1       Guard, Outer Barrier, Assembly       26259         174       4       Spacer, Flap Cylinder : 700* Thick       915-0415         175       4       Spacer, Flap Cylinder : 700* Thick       915-0415         174       4       Spacer, Flap Cylinder : 700* Thick       915-0415			Clamp, Insulate, 1 3/8" I.D.							
81         2         Ball Stud, Gas Spring, 13MM x3/8-16 F. Thread         2915           82         2         Washer, 3/8", Lock         10069         1062         107         2         Light Assy, Vertical Channel         24028           83         1         Spacer, Flap Cylinder .184" Thick         915-0416         167         2         Light Assy, Vertical Channel         31062A           84         2         Clip, Safety, 38-16 x 3/4", Flange Buton Head, Socket Cap         25171         166         1         Tab, Outer Barrier, Assembly         915-6367NA           86         2         Boit, 5/16-18 x 2", Flange, Hex         25130         167         4         Spacer, UHWW, 75" O.D. x. 39" 1.D. x. 25"         30227           87         2         Nut, 5/16-18, Serrated Flange         25131         171         1         Bolt, 3/4: 6 x 3/4" Soc. Hd. Cap Screw Bk.         26259           88         2         Arm, Silde Support (Replace In Pairs)         985-6612N         173         1         Guard, Outer Barrier, Assembly.         915-0415           173         1         Guard, Outer Barrier, Assembly.         915-0468NW         13723           90         2         Spacer, Flap Cylinder .700" Thick         915-0416         172         1         Spacer, Hap Cylinder .700" Thick	79	2	Washer, 5/16" Lock, Black	1006	8 164	3	Rivet, Po	op, 3/16"13/.25" - SD6		11513
82         2         Washer, 3/8", Lock         10069           83         1         Spacer, Flap Cylinder, 184" Thick         915-0416         167         2         Light Assy, Vertical Channel         31062A           84         2         Clip, Safety, 3/8-16 X 3/4", Flange         12608         15         171         180, Outr Barrier, Assembly         915-6367NA           86         2         Bolt, 3/6-16 X 3/4", Flange, Hex         25130         170         4         Spacer, UHIW75' O.D. X.39" 1.D. X.25"         30227           87         2         Nut, 5/16-18, 2, "F, Flange, Hex         25130         171         1         Bolt, 3/6-16 X 3/4", Flange, Hex         26259           88         2         Arm, Silde Support, (Replace In Pairs)         985-6612N         172         1         Spacer, Flap Cylinder.700" Thick         915-0415           90         2         Spacer, 5" O.D. x. 334" I.D. x 1.515" LG         25132         171         4         Snap-Ring 1/2"         13273           90         2         Spacer, 5" O.D. x. 334" I.D. x 1.515" LG         25132         175         4         Screw, fl.0-32 x 1/2" Button Head, Socket, Cap         30375WP           91         10         Bearing, Flange, 3/4" x 1/4"         24012         175         4         Screw, fl.									stic	
83         1         Spacer, Flap Cylinder. 184" Thick         915-0416           84         2         Clip, Safety, 3/8-16 x 3/4", Flange         12608           85         6         Bolt, 3/8-16 X 3/4", Flange Button Head, Socket Cap         25171           86         2         Bolt, 5/16-18 X, 2", Flange, Hex         25130           87         2         Nut, 5/16-18, Serrate Flange         25131           88         2         Arm, Slide Support (Replace In Pairs)         985-6612N           90         2         Spacer, 5" O.D. x. 39" I.D. x. 1515" LG         25132           91         10         Bearing, Flange, 3/4" x 1/4"         24012           92         2         Weldment, Platform Pivot Arm - 48"         985-06610W-BKN           93         2         Pin, Pivot, Lower Arm         900-0413N           94         6         Ring, Snap, 34", External         18657           95         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear, 48"         95-044RNW           98         6         Plastic Chance, 48"         205-1760           97         1         Vertical Channel Weldment, Rear, 48"         95-0440RNW           98         6         <			Washer, 3/8", Lock							31062A
85         6         Bolt, 3/8-16 X 3/4", Flange Button Head, Socket Cap         2511           86         2         Bolt, 5/16-18 X-2", Flange, Hex         25130           87         2         Nut, 5/16-18, Serrated Flange         25131           88         2         Arm, Silde Support (Replace In Pairs)         985-6612N           89         2         Silde, Platform, Rotate         985-0660N           90         2         Spacer, 5" O.D. x. 39" I.D. x. 25"         915-0368N50Y           91         10         Bearing, Flange, 3/4" x 1/4"         24012         175         4         Spacer, 19-0.52 x 1/2" Button Head, Socket, Cap         905-0368N50Y           92         2         Weldment, Platform Pivot Arm         985-0640NW-BKN         175         4         Spacer, 19-0.52 x 1/2" Button Head, Socket, Cap         3037SWP           93         2         Pin, Pivot, Lower Arm         985-0640NW-BKN         176         1         Position Sensor Spacer         31092           95         2         Bearing, Jultaw, Flatzer         205-1760         205-1760         178         2         Nut, 1/4-20 x 1", Hex         10001           96         2         Baal Stud, 10MM         21301         179         2         Bolt, 1/4-20 x 1", Hex         10001	83	1	Spacer, Flap Cylinder .184" Thick		416 168	1	Tab, Out	ter Barrier, Assembly		915-6367NA
86         2         Bolt, 5/16-18, 22", Flange, Hex         25130           87         2         Nut, 5/16-18, 22", Flange, Hex         25131           88         2         Arm, Silde Support (Replace In Pairs)         985-6612N           90         2         Splade, Flatform, Rotate         985-0612N           91         10         Bearing, Flange, 34" x 14"         24012           91         10         Bearing, Flange, 34" x 14"         24012           92         2         Weldmert, Platorm Pivot Arm - 48"         985-0640NW-BKN           93         2         Pin, Pivot, Lower Arm         900-0413N           94         6         Ring, Snap, 34", External         18657           95         2         Baal Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear, 48"         955-0448RNW           98         6         Plasticut, Cade Qa, "1", D.x 11/4" O.D.         20474										
87         2         Nut, 5/16-18, Serrated Flange         2511           88         2         Arm, Silde Support (Replace In Pairs)         985-6612N           99         2         Slide, Platform, Rotate         985-6612N           90         2         Spacer, 5" O.D. x. 334" I.D. x1.515" LG         2613           91         10         Bearing, Flange, 3/4" x 1/4"         24012           92         2         Weidmut, Plattorm Privot Arm - 48"         985-0640NW-BKN           93         2         Pin, Pivot, Lower Arm         900-0413N           94         6         Ring, Snap, 3/4", External         18657           95         2         Bearing, UHMW, Flat, 1.226"         205-1760           96         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear, 48"         95-0448RNW           98         6         Plastic End Cap, "I L.D. x 1 1/4" O.D.         20474			Bolt, 5/16-18 x 2", Flange, Hex							
89         2         Slide, Platform, Rotate         985-0600N         174         4         Snap-Ring 1/2"         13273           91         10         Bearing, Flange, 3/4" x1/4"         24012         175         4         Snap-Ring 1/2"         30375WP           92         2         Weldment, Plattorm Pivot Arm - 48"         985-0640NW-MKN         176         1         Postion Sensor Spacer         30375WP           93         2         Pin, Pivot, Lower Arm         900-0413N         177         4         Weld Nut, #4-0 x 1/8" Barrel         32949           94         6         Ring, Snap, 3/4", External         18657         178         2         Nut, 1/4-20 x 1", Hex         10001           95         2         Baal Stud, 10MM         21301         179         2         Bolt, 1/4-20 x 1", Hex         10001           96         6         Plastic Ch Cap, 1": Lo x 1 1/4" O.D.         20474         2047         12         12         12         12         14         <	87	2	Nut, 5/16-18, Serrated Flange	2513	11 172	1	Spacer,	Flap Cylinder .700" Thic	k	915-0415
90         2         Spacer, S" O.D. x. 334" I.D. x 1.515" LG         2512           91         10         Bearing, Flange, 3/4" x 1/4"         24012         175         4         Screw, #10-32 x 1/2" Button Head, Socket, Cap         30375WP           92         2         Weidment, Plattorn Pivot Arm         985-0640NW-BKN         176         1         Postion Sensor Spacer         31092           93         2         Pin, Pivot, Lower Arm         990-0413N         176         1         Postion Sensor Spacer         32949           94         6         Ring, Snap, 3/4", External         900-0413N         178         2         Nut, 1/4-40 x 1/8" Barrel         32949           95         2         Bearing, UHMW, Flat, 1.226"         205-1760         179         2         Bolt, 1/4-20 x 1", Hex         10001           96         2         Ball Stud, 10MM         21301         205-1760         179         1         174         174         Weid Nut, #4-40 x 1/8" Barrel         10001           97         1         Vertical Channel Weidment, Rear, 48"         955-0448RNW         20474         1         1         1         1         1         1         1         1         1         1         1         1         1         1									es	
91         10         Bearing, Flange, 3/4" x 1/4"         24012         176         1         Position Sensor Spacer         31092           92         2         Weldment, Platform Pivot Arm         985-0640NW-BKN         177         4         Weld Nut, #4-40 x 1/8" Barrel         32949           93         2         Pin, Pivot, Lower Arm         900-0413N         178         2         Nut, 1/4-20, Hex         10057           94         6         Ring, Snap, 3/4", External         18657         178         2         Nut, 1/4-20, Hex         10001           95         2         Baal Stud, 10MM         205-1760         205-1760         2         Bolt, 1/4-20 x 1", Hex         10001           96         2         Baal Stud, 10Am         21501         2         2         20474         20474			Spacer, .5" O.D. x .334" I.D. x 1.515" LG						d, Socket. Cap	30375WP
93         2         Pin, Pivot, Lower Arm         900-0413N         178         2         Nut, 1/4-20, Hex         10057           94         6         Ring, Snap, 3/4", External         18657         179         2         Bolt, 1/4-20, x 1", Hex         10001           95         2         Bearing, UHMW, Flat, 1:226"         205-1760         2         179         2         Bolt, 1/4-20, x 1", Hex         10001           96         2         Ball Stud, 10MM         21301         2         1001         1001           97         1         Vertical Channel Weldment, Rear, 48"         955-0448RNW         20474         1001         1001	91	10	Bearing, Flange, 3/4" x 1/4"	2401	2 176	5 1	Position	Sensor Spacer		31092
94         6         Ring, Snap, 3/4", External         18657           95         2         Bearing, UHIW, Flat, 1.226"         205-1760           96         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear, 48"         955-0448RNW           98         6         Plastic End Cap, 1" I.D. x1 1/4" O.D.         20474										
95         2         Bearing, UHMW, Flat, 1.226"         205-1760           96         2         Ball Stud, 10MM         21301           97         1         Vertical Channel Weldment, Rear, 48"         955-0448RNW           98         6         Plastic End Cap, 1" I.D. x1 1/4" O.D.         20474										
97         1         Vertical Channel Weldment, Rear, 48"         955-0448RNW           98         6         Plastic End Cap, 1" I.D. x 1 1/4" O.D.         20474	95	2	Bearing, UHMW, Flat, 1.226"	205-17	60					
98 6 Plastic End Cap, 1" I.D. x 1 1/4" O.D. 20474						_	<u> </u>			
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### NOTES

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### Public Use Wheelchair Lifts

#### Braun<sup>™</sup> Five-Year Limited Warranty

The Braun Corporation of Winamac, Indiana, warrants that it will repair (or replace at Braun's sole option) any defect in material or workmanship in its wheelchair lift for five years\*, providing the lift is installed, operated and maintained properly. This warranty is limited to the original purchaser and does not cover defects in the motor vehicle on which it is installed, or defects in the lift caused by a defect in any part of the motor vehicle.

This warranty commences on the date the lift is put in service, providing the warranty registration card is completed and received by The Braun Corporation within 20 days of purchase. If no warranty card is received, the warranty will expire three years from the date of manufacture as identified on the lift serial number tag.

This warranty also covers the cost of labor for the repair (or replacement at Braun's sole option) of parts for three years when performed by an authorized Braun representative. (A labor schedule determines cost allowance for repairs and is available upon request).

This warranty does not cover normal maintenance, service, or periodic adjustments necessitated by use or wear. The Braun Corporation will not, under any circumstances, pay for loss of use, incidental, or consequential damages related to the lift or vehicle in which it is installed.

This warranty will become null and void if the lift has been damaged through accident, misuse, or neglect, or if the lift has been altered in any respect.

\* The five-year portion of this warranty covers the following lift's power train parts:

Cable • Cylinder • Flow Control • Gear Box • Motor • Pump • Hydraulic Hose & Fittings
 Solid State Controller

All remaining lift components are covered by a three-year warranty.

#### **Return Authorization Procedure**

When processing any warranty claims (parts, repairs, etc.), all requests must be processed through The Braun Corporation Product Support Department. Call 1-800-THE LIFT<sup>®</sup> (extension 3009) during normal working hours. Product Support will issue a Return Material Authorization (RMA) number and detail the procedures required for processing returns and/or authorizing credit.

The lift identification information is provided on the Braun Serial No./Series No. identification tag and the two warranty cards (shown on inside front cover). The lift identification information must be provided when filing a warranty claim or ordering parts.



All illustrations, descriptions and specifications in this manual are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.

Patent #5,261,779 Patent #6,065,924 Patent #6,238,169

33126 Rev. A

January 2008

**Braun NL Series** 

Patent #6,464,447 Patent #6,599,079 Patent #6,692,217 Patent #6,739,324 Patents Pending © The Braun Corporation