

steril[®] KONI

Heavy Duty Vehicle Lifts

WARRANTY MANUAL

Effective July 1, 2022

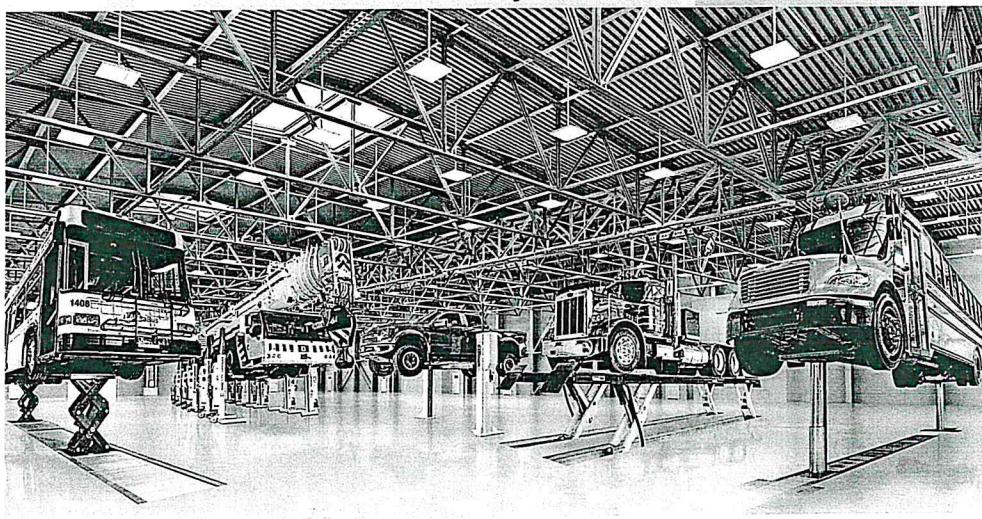


Table of Contents

Effective July 1, 2022

Section 1 Warranty Policy

- a. Steril-Koni, USA Standard warranty policy
- b. National Account warranty policy

Section 2 Warranty Claim Process

- a. General information applicable to all warranty claims
- b. Procedure for Parts and Labor warranty claims
- c. Procedure for Labor only warranty claims

Section 3 Flat Rate Labor Schedules

- a. Mobile Column
- b. 2-Post Lift
- c. 4120 Lift
- d. 4175 / 4250 Lift
- e. Skylift
- f. Diamondlift
- g. ECOLift
- h. Jacking Beams
- i. High Lift Wheel Dollies
- j. Transmission Jacks

Section 4 Forms

- a. Warranty Claim Form

Section 5 Recommended Spare Parts Listings

- a. ST1082/1085/1100 Mobile Columns
- b. Skylifts
- c. Diamondlifts
- d. ECOLifts

Section 1

WARRANTY POLICY

1a. Standard Warranty Policy

All Stertil-Koni lifting systems are warranted for a period of **two (2) years for parts and one (1) year for labor** commencing from the effective date of acceptance by the Customer. A warranty registration form or registration card must be sent to Stertil-Koni within 30 days of receipt of equipment to establish such date; otherwise the invoice date will become the effective date of acceptance by the customer. During the warranty period, parts that are found to be defective will be repaired or replaced (at the option of Stertil-Koni) without charge. For specific parts, the defective or replaced part will need to be returned to Stertil-Koni. Return freight charges are prepaid by Stertil-Koni.

Parts replaced outside the lifts original warranty period come with a 60 day warranty.

The defective part must be returned to Stertil-Koni with the acceptance date listed on the part **within 45 days of part failure**. Contact the Stertil-Koni Parts Manager for a Return Goods Authorization (RGA) and a return shipping label. Failure to return parts, or submit a completed Warranty Request Form, **within 45 days will VOID** that individual warranty claim. You will be invoiced for any replaced parts that had initially been supplied on the voided warranty claim after the 45 day grace period.

In addition to the above stated warranty terms;

- ✓ There is a **parts-only** warranty for Mobile Lift hydraulic cylinders only for the period year two (2) through year five (5).
- ✓ There is a lifetime **parts-only** warranty on nylon guide rollers used in Stertil-Koni Mobile Lifts.
- ✓ Warranty is non-transferrable.

This warranty does not apply where equipment has been damaged due to abnormal wear, misuse, overloading, accident (including shipping), improper maintenance,

alteration, improper fluid maintenance, operator error, or other causes not the result of defective materials or workmanship. Drive over cables for mobile lifts are warranted, however, only for vehicles with pneumatic tires.

Repair or replacement is the exclusive remedy for allegedly defective equipment under this warranty, and Stertil-Koni will not be liable for any consequential or incidental damages for breach of any express or implied warranty on this equipment. Stertil-Koni is not responsible for claims made by persons other than Stertil-Koni authorized service or sales representatives

1b. National Account Warranty Policy

All customers, and their equipment, covered under the National Account Warranty Policy have as a minimum **three (3) years for parts** and **two (2) years for labor** commencing from the effective date of acceptance by the Customer. Several National Accounts have extended coverage as identified within their respective agreement. For a listing of national accounts and their respective warranty coverage, contact the Stertil-Koni National Account Sales team at emmaleigh@stertil-koni.com.

For National Account customers who qualify for free annual lift inspections, once their lifts have been inspected, send a copy of the inspection paperwork along with an invoice from the distributor for the inspection to Stertil-Koni for tracking and payment. Please email the completed ALI inspection paperwork and your invoice to ap@stertil-koni.com.

Stertil-Koni, USA will reimburse the local distributor at \$400 per certified lift inspection for a Diamond, ECO, Sky, 2-Post, 4-Post and Mobile Column lift covered under a National Account Agreement. In the case of Mobile Columns, this \$400 is for a set of four (4) columns.

Section 2

WARRANTY CLAIM PROCESS

2a. General Information Applicable to all Warranty Claims

The defective part must be returned to Stertil-Koni with the acceptance date listed on the part **within 45 days of part failure**. Contact the Stertil-Koni Parts Manager for a Return Goods Authorization (RGA) and a return shipping label. Failure to return parts, or submit a completed Warranty Request Form, **within 45 days will VOID** that individual warranty claim. You will be invoiced for any defective or replaced parts that had initially been supplied on the voided warranty claim after the 45 day period.

1. On the Warranty Parts Form, a full description of both the **Problem** and the **Probable Cause** are needed. Write-ups need to include any **error codes, symptoms**, and what trouble-shooting was performed. Single word statements like "broke", "failed", "doesn't work" or "defective" do not sufficiently describe the problem, and may lead to your claim being returned to you for clarification or denied altogether. Include additional paperwork or pictures if it will help support your claim for warranty work.
2. The Labor and Mileage rates are travel at \$90 per hour, mileage at \$0.90 per mile. Maximum limits will also remain unchanged at 4 hours round trip travel and 200 miles round trip mileage.
3. For ANY warranty claim that is expected to exceed \$1,500, (parts and labor) the distributor must contact Stertil-Koni in **ADVANCE** of the repair to obtain approval. Primary contact at Stertil-Koni is the Director of Operations, secondary contact will be the Service Manager. Failure to obtain advance approval may result in your claim being reduced or denied in total.
4. Distributors are encouraged to contact Stertil-Koni to verify if the equipment is still covered by a warranty prior to performing service. Stertil-Koni has the right to reject a warranty claim if the lift is out of warranty, or if the failure or problem does not fall under the Stertil-Koni Warranty Policy. In that case, the distributor

will not be entitled to compensation for labor or the travel charges and will be invoiced for any parts that had initially been supplied, as well as any related freight charges incurred.

2b. Procedure for Parts and Labor Warranty Claims:

1. In principle, the distributor is responsible for handling all warranty requests from customers within their assigned territory.
2. The distributor must fill out a Warranty Parts and Labor Request Form providing all requested information. Forms without the equipment **Make / Model / Serial Numbers** cannot be processed. This form must be submitted prior to any requested parts being shipped.

The warranty request form must specify the **Part Numbers and Description** of the parts required and where the parts need to be shipped. If the distributor chooses to take the part from the distributor's inventory, the "Ship Parts To" address should be the distributor's warehouse to replace the parts used.

The request for parts needs to be sent to Stertil-Koni, Attn: Warranty. Please email the completed Warranty Parts and Labor request to Warranty@stertil-koni.com.

3. Contact the Stertil-Koni Warranty Coordinator, or the Parts Manager to obtain a Return Goods Authorization (RGA) number and a shipping label for the return of the defective warranty part, if one was not provided with the replacement part.
4. As part of the Warranty Claim requirements, several specific defective parts must be returned to Stertil-Koni, along with the warranty form, to complete the claim. The below listed defective parts **must** be returned to Stertil-Koni within 45 days of the initial claim. Failure to return the parts could result in your claim being denied.

Specific Parts to be returned are:

Hydraulic cylinders – mobile lifts only

Hydraulic power units – all

Hydraulic valve bodies – all, except mobile lifts

Potentiometers – all

Inclinometers – all

Battery chargers – all

Printed circuit boards – all

Motor controllers – mobile lifts only

Ebright HMI screens – all

Pallet Jack assemblies – mobile lifts only

Other components as may be requested by Stertil-Koni.

5. Upon completion of warranty work, the distributor must provide an invoice to Stertil-Koni for reimbursement of labor and travel charges, along with a copy of the warranty request form. Send the invoice and warranty request form directly to Stertil-Koni, Attn: Accounts Payable. To speed up the process, please email the request and any associated paperwork to ap@stertil-koni.com.
6. Do NOT invoice Stertil-Koni USA for parts used for warranty work. All warranty parts will be sent from Stertil-Koni. When the distributor uses parts from their own inventory, the replacement parts will be sent back to the distributor.

2c. Procedure for Labor only Warranty Claims:

1. If no parts are needed to perform warranty work, the distributor should provide an invoice to Steril-Koni for reimbursement of labor and travel charges, along with a completed Warranty Parts and Labor Request Form. The invoice and warranty request form needs to go to Steril-Koni, Attn: Accounts Payable. To speed up the process, please email the invoice to ap@steril-koni.com.

Section 3**FLAT RATE LABOR SCHEDULES****3a. Mobile Columns**

Service	Labor Hours
Troubleshoot (set of 4)	1
Potentiometer replacement & calibration	1
Gas spring replacement (set of 2)	0.5
On/off switch replacement	0.5
Oil tank replacement	1
E-stop button replacement	0.5
Communication cable replacement (each) (plug & play)	0.25
Drive over cable replacement (plug & play)	0.25
Non-drive over cable replacement (plug & play)	0.25
Replacement cable connector on control box or cable end	0.5
Battery charger replacement	1
Battery replacement (2 each)	0.75
PCB replacement (part & update software)	1
Front panel with HMI screen replacement (part & update software)	0.5
Back panel replacement	1
Ebright control box (complete) replacement	1.5
Update Operating System Software	0.25
Update HMI Software	0.25
Pallet jack replacement	1
Lock pawl replacement	0.5
Lock release cylinder replacement	0.5
Retractable wheel replacement (each)	0.5
Retractable wheel drawbar replacement (each)	1

Non-retractable wheel replacement (each)	0.5
Height stop replacement	0.25
Guide block wheel replacement (set of 4 wheels) (1.5 hours x 2 techs)	3
Guide block shim replacement (per guide block) (1.5 hours x 2 techs)	3
Electric motor replacement	1
Hydraulic cylinder replacement	1.5
Hydraulic hose replacement	0.5
Hydraulic unit complete with motor & tank	1
Install Retro-Fit Kit (set of 4 mobile Ebright columns)	1
Remove & replace lowering valve	0.5
Replace main relay	0.5
Load test after replacing hydraulic components	1

3b. 2 - Post Lifts

<u>Service</u>	<u>Labor Hours</u>
Troubleshoot	1
Potentiometer replacement & calibration	1
Transformer replacement	0.5
Main relay replacement	0.5
Control box replacement	1.5
Oil tank replacement	1
E-stop replacement	0.5
Lock pawl replacement	0.5
Lock release cylinder replacement	0.5
Slider replacement (per column) (1.5 hours x 2 techs)	3
Arm R & R (per arm) (0.5 hours x 2 techs) includes servicing arm restraints	1
PCB replacement	0.5
Electric motor replacement	1
Valve block replacement	1
Flow control replacement	0.5
Lowering valve replacement	0.5
Hydraulic cylinder replacement	1.5
Hydraulic unit complete with motor & tank	1.5
Hydraulic hose replacement (power unit)	0.5
Hydraulic hose replacement (overhead)	1.5
Load test after replacing hydraulic components	1

3c. 4 - Post Lift (4120)

<u>Service</u>	<u>Labor Hours</u>
Troubleshoot	1
Potentiometer replacement & calibration (per column)	1
Transformer replacement	0.5
Main relay replacement	0.5
Control box replacement	1.5
Oil tank replacement	1
E-stop replacement	0.5
Lock pawl replacement	0.5
Lock release cylinder replacement	0.5
Slider or roller wheels replacement (per column) (1.5 hours x 2 techs)	3
PCB replacement	0.5
Electric motor replacement	1.5
Flow control replacement	0.5
Hydraulic cylinder replacement	1.5
Hydraulic unit complete with motor & tank	1.5
Hydraulic hose replacement (power unit)	0.5
Hydraulic hose replacement (cylinder)	1
Runway replacement (each) (4 hours x 2 techs)	8
Drive on ramp replacement (each)	1.0
Stop plate replacement (each)	0.25
JB stop block set replacement (set)	0.5
Load test after replacing hydraulic components	1

3d. 4 - Post Lift (4175 / 4250)

Service	Labor Hours
Troubleshoot	1
Potentiometer replacement & calibration (per column)	1
Transformer replacement	0.5
Main relay replacement	0.5
Control box replacement	1.5
Oil tank replacement	1
E-stop replacement	0.5
Lock pawl replacement	0.5
Lock release cylinder replacement	0.5
Slider replacement (per column) (1.5 hours x 2 techs)	3
PCB replacement	0.5
Electric motor replacement (per motor)	1.5
Flow control replacement	0.5
Hydraulic cylinder replacement (0.75 hours x 2 techs)	1.5
Hydraulic unit complete with motor & tank	1.5
Hydraulic hose replacement (power unit)	0.5
Hydraulic hose replacement (cylinder)	0.5
Runway replacement (each) (4 hours x 2 techs)	8
Drive on ramp replacement (each)	1
Stop plate replacement (each)	0.25
JB stop block set replacement (set)	0.5
Load test after replacing hydraulic components	1

3e. SKYLIFT

<u>Service</u>	<u>Labor Hours</u>
Troubleshoot	1
Inclinometer replacement and calibration	1
Inclinometer cable replacement (P3 & P4) and calibration	2.0
Inclinometer cable replacement (P1 & P2) and calibration	2.0
Main switch replacement	0.5
Acoustic alarm replacement	0.5
IS barrier replacement	0.5
LED light engine replacement	0.5
LED light replacement	0.5
Transformer replacement	0.25
Energy chain link replacement	0.5
Energy chain replacement (complete)	1.5
Threshold or cable duct replacement (per section)	0.5
Hydraulic hose replacement (P3 & P4) (internal to runway)	1
Hydraulic hose replacement (P1 & P2) (internal to runway)	1
Hydraulic hose replacement (P3 & P4) (runway to control box)	1.5
Hydraulic hose replacement (P1 & P2) (runway to control box)	1.5
Hydraulic cylinder replacement (2.5 hours x 2 techs)	5
Hydraulic unit (complete including oil tank) replacement	2.0
Hydraulic unit (complete, without oil tank) replacement	2.5
Valve block replacement	1.5
Electric motor replacement	2
Flange between motor and oil tank	2.5
Upper lock replacement (2.5 hours x 2 techs)	5
Lower lock replacement (2.5 hours x 2 techs)	5
Distance bushing replacement (lock axle) (2.5 hours x 2 techs)	5
Bearing bushing replacement (pull bar) (2.5 hours x 2 techs)	5

Axle long (through leg) including bushings replacement	2
Axle long (through pull bar) including bushings replacement	1.5
Axle short (through pull bar and leg) including bushings replacement	1.5
Foot plate (shark fin) replacement (fixed)	1.5
Foot plate (shark fin) replacement (sliding)	1.5
Shim runways (bearing blocks) (per runway)	1
Leg assembly, replacement (each) (7 hours x 2 techs)	14
Runway replacement (each) (6 hours x 2 techs)	12
Runway extension section replacement (each) (0.75 x 2 techs)	1.5
Stop plate replacement (each)	0.5
Reverse roll-off protection (each)	0.5
Fixed drive on ramp #1 (section at start of ramp)	0.5
Fixed drive on ramp #2 (middle sections)	0.5
Fixed drive on ramp #3 (section by runway)	0.5
Install recess cover plates (4 hours x 2 techs)	8.0
JB stop block set replacement (set)	0.5
Replace JB roller arms	1.5
Recess cover plates draw bar replacement	1.5
Recess cover plates, tighten & re-Loctite bolts	0.5
Load test after replacing hydraulic components	1

3f. DIAMONDLIFT

Service	Labor Hours
Troubleshoot	1
On/off switch replacement	0.5
Tower / beacon light replacement	0.25
Acoustic alarm replacement	0.25
PLC replacement	0.5
IS barrier replacement	0.5
Transformer replacement	0.5
Main relay replacement	0.5
Motor relay replacement	0.5
Ultrasonic sensor replacement and calibration	1
Valve block replacement (each)	1
Fixed piston manifold replacement	1.5
Movable piston manifold replacement	1.5
Hydraulic hose replacement, piston to bulkhead	1
Hydraulic hose replacement, bulkhead to power unit	1.5
Hydraulic unit replacement	2
Electric motor replacement	2
Hydraulic cylinder replacement (4 hours x 2 techs)	8
Lock replacement (per lock bar)	1
Lock air cylinder replacement (per lock bar)	1
Lock bar replacement - complete bar (per piston)	1
Lock bar section replacement (per piston)	1
Lock pivot lever replacement (per piston)	0.5
Lock bar cable replacement	0.5
Gear rack, long section replacement	1.5
Gear rack, short section replacement	1.5
Movable piston drive motor assembly replacement	2.5

Movable piston drive assembly spur gears (2 per assembly)	2
Drive motor replacement	3
Rear cover balance assembly replacement	1
Rear cover gas spring replacement (2 per assembly)	1
Extruded cover starter section replacement	0.5
Extruded cover section replacement (multiple, each)	0.1
Cover support guide block replacement	1
Sump-pump replacement	2.5
Sump-pump float switch replacement	1
Fluid notification valve replacement	1
Convert old style breather to new style	1
Replace breather cap	0.5
Replace cabled remote	1
Replace air valve	0.5
Energy chain link replacement (section)	1
Energy chain replacement (complete)	2
Load test after replacing hydraulic components	1

3g. ECOLIFT

Service	Labor Hours
Trouble shoot	1
Inclinometer replacement	1
Inclinometer cable replacement (fixed)	1
Inclinometer cable replacement (movable)	1.5
Tower/beacon light replacement	0.25
On/off switch replacement	0.5
Acoustic alarm replacement	0.5
PLC replacement	0.5
IS barrier replacement	0.5
Transformer replacement	0.5
Main relay replacement	0.5
Motor relay replacement	0.5
Upper lock replacement (1.75 hours x 2 techs)	3.5
Lower lock replacement (set of 2 blades) (1.5 hours x 2 techs)	3
Lower lock support weldment	0.5
Lock air cylinder replacement	1
Drive motor assembly replacement (complete with shafts and gears)	3
Drive assembly gear replacement	2
Drive motor replacement	2
Gear rack, long section replacement	1.5
Gear rack, short section replacement	1.5
Fixed scissor manifold replacement	1.5
Movable scissor manifold replacement	1.5
Electric motor replacement	1.5
Hydraulic unit (complete including oil tank) replacement, ECO 60	2
Hydraulic unit (complete, without oil tank) replacement, ECO 60	2.5
Hydraulic unit (complete including oil tank) replacement, ECO 90	2

Hydraulic unit (complete, without oil tank) replacement, ECO 90	2.5
Valve block replacement	2
Hydraulic hose replacement, scissor to sidewall (fixed)	1
Hydraulic hose replacement, sidewall to control box (fixed)	1.5
Hydraulic hose replacement, scissor to sidewall (movable)	1
Hydraulic hose replacement, sidewall to control box (movable)	1.5
Hydraulic cylinder replacement (2.5 hours x 2 techs)	5
Base plate replacement, fixed unit (includes slide blocks) (4 hours x 2 techs)	8
Fixed scissor base stopper lug replacement (each)	0.5
Extruded cover starter section replacement	0.5
Extruded cover section replacement (multiple, each)	0.1
Energy chain link replacement (section)	1
Energy chain replacement (complete)	2
Centering link replacement (set of 4 links, per scissor)	2
Replace cabled remote	1
Load test after replacing hydraulic components	1

3h. Jacking Beams

<u>Service</u>	<u>Labor Hours</u>
Trouble shoot	1
Replace lifting cylinders (two)	1.5
Replace hydraulic line	0.5
Replace air line	0.5
Replace mechanical lock	0.25
Replace mechanical lock actuator	0.5
Replace frame (swap internal components)	2
Replace pump	1
Replace manifold	1
Replace control valve & lever	1
Replace lock valve	0.5
Replace lock valve knob	0.25
Replace mounting arms (2 each)	1
Load test after replacing hydraulic components	1

3j. Transmission Jacks

<u>Service</u>	<u>Labor Hours</u>
Trouble shoot	1
Replace head assembly	0.5
Replace wood on head assembly	0.5
Replace large adjustment handle	0.5
Replace fine adjustment handle	0.5
Replace telescopic cylinder	1
Replace 8" fixed wheel	0.25
Replace 6" swivel wheel	0.25
Replace motor assembly	1
Replace hydraulic pump	1
Replace electric motor	1
Replace couplings	1
Replace hydraulic block assembly	1
Replace hydraulic hose	0.5
Replace lowering valve	0.5
Replace air valve	0.5
Load test after replacing hydraulic components	1

Section 4 FORMS

4a. Warranty Claim Form:

This form is available on the STERTIL EXTRANET under Service Notifications – General – Warranty Claim Form.

WARRANTY PARTS AND LABOR REQUEST FORM																							
DATE SVC PERFORMED:		PERSON REQUESTING WARRANTY:																					
DATE OF ORIGINAL SALE:		LIFT ORIGINALLY INVOICED TO:																					
MAKE OF LIFT:		MODEL:																					
SERIAL # (s):																							
LOCATION OF LIFT:																							
FAULT CODE:		If any exist																					
DESCRIPTION OF PROBLEM : (broke is not a description) 																							
PROBABLE CAUSE : (product is crap is not acceptable) 																							
PART(S) REQUESTED :	Quantity	Part Description	Part Number																				
Labor at \$82/hr—70 Cent per mile travel — Max distance accepted will be 100 miles one way. (200 miles roundtrip) Travel time limited to 4 hours (100 miles at an average of 50 miles per = 2 hours each direction)																							
SHIP PARTS TO : 		<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th colspan="3"></th><th style="text-align: right; padding: 2px;">Subtotal</th></tr></thead><tbody><tr><td style="padding: 2px;">Labor (hr)</td><td style="text-align: right; padding: 2px;">0.00</td><td style="text-align: right; padding: 2px;">\$ 82.00</td><td style="text-align: right; padding: 2px;">\$ -</td></tr><tr><td style="padding: 2px;">Travel (hr)</td><td style="text-align: right; padding: 2px;">0.00</td><td style="text-align: right; padding: 2px;">\$ 82.00</td><td style="text-align: right; padding: 2px;">\$ -</td></tr><tr><td style="padding: 2px;">Mileage (rt)</td><td style="text-align: right; padding: 2px;">0.00</td><td style="text-align: right; padding: 2px;">\$ 0.70</td><td style="text-align: right; padding: 2px;">\$ -</td></tr><tr><td style="padding: 2px;">Total</td><td></td><td></td><td style="text-align: right; padding: 2px;">\$ -</td></tr></tbody></table>					Subtotal	Labor (hr)	0.00	\$ 82.00	\$ -	Travel (hr)	0.00	\$ 82.00	\$ -	Mileage (rt)	0.00	\$ 0.70	\$ -	Total			\$ -
			Subtotal																				
Labor (hr)	0.00	\$ 82.00	\$ -																				
Travel (hr)	0.00	\$ 82.00	\$ -																				
Mileage (rt)	0.00	\$ 0.70	\$ -																				
Total			\$ -																				
UPS Ground will be standard. Do you require Special shipping? 1 Day / 2 day / 3 day / ? (Please note in box at right—additional cost will be applied):																							
CONTACT PERSON : (If different from name listed above) TELEPHONE :																							
WARRANTY PARTS PURCHASE ORDER :																							
REPAIR APPROVED BY: DATE APPROVED:																							

Section 5 Recommended Spare Parts Listings

5a. ST1082 / 1085 / 1100 Mobile Columns

Common Spare Parts for ST1082 / 1085 / 1100 Mobile Columns

#	Item No.	Item Description
1	30007400	Potentiometer Unit Assembly Stertil-Koni Lifts
2	32006254	Return Filter 10 Micron
3	32500108	Cable Support
4	32500116	Wheel For front fork
5	32506103	Suction filter
6	32556902	2L Flow Control Valve
7	32556903	6L Flow Control Valve
8	32700122	Lock Pawl
9	32706075	Hydraulic Pipe, 1082, 1085,1100, 1073, 1075 & 13,000lb 1060
10	32706200	Pallet Jack Assembly 1082/1085/1100
11	32706201A	Wheel for Pallet Jack
12	32706245	Seal Kit, P/J 1082
13	32706800	Cylinder Hydraulic RAM ST 1082/1085/1100
14	32706900	Seal Kit, Cylinder 1082/1085/1100
15	60203002A	Gas Spring With Clevis's And Clips
16	65062041	"E" clip for Front axle
17	66201102	"T" Handle for adjustable Forks
18	68039011	Oil Tank 10L
19	68308005	2/2 Valve, With Man. Adjustable (Excl. Solenoid)
20	68308013	2/2 Valve NC (ex. Solenoid)

Add the appropriate model specific parts to create a list for the exact system.

Additional Items for 208-460 Volt
ST1082 / 1085 / 1100 Mobile Columns

#	Item No.	Item Description
1	32556150	Hydraulic Hose
2	32556901	Motor, 208-460v 3 ph
3	32707050	Push Button Board
4	32707150	Comm Cable, Red, Non drive over, 12meter
5	69141050	Main Switch
6	69153002	Thermal Relay for 208-240 volts
7	69153003	Thermal Relay for 400-460 volts or single phase
8	69153004	Thermal Relay for 575 volts (Canada)
9	69154001	Main Safety Relay
10	69500007	Transformer
11	69900135	Main PCB
12	69090111A	Comm Cable Connecor, Female
13	69090112A	Comm Cable Connector, Male
14	69090113A	Comm Cable End
15	69090114A	Comm Cable Latch
16	69090114B	Comm Cable Base Housing
17	69141061A	Emergency Stop Button with Contactors

Additional Items for Battery Pre-Ebright
ST1082 / 1085 / 1100 Mobile Columns

#	Item No.	Item Description
1	32736150	Hydraulic Hose, Battery Lift
2	32739050	Pushbutton Panel For Digital Battery Lift
3	32739101	ID Key
4	68039013	Motor Solenoid for Battery operated
5	68039014	Motor, 24 VDC Battery Lifts, Cabled & Wireless
6	69120026	Main Switch if Battery
7	69171024	Limit Switch, For P/J Interlock On Wireless Lifts
8	69206102	Fuse 200A for Battery Lifts
9	69500104	Battery Charger, Meanwell For Battery Lift
10	69900160	PCB, With Digital LCD Battery, Cabled and Wireless
11	69004002A	Charger Power Cord
12	69120018A	Emergency Stop Button Flat Mushroom w/ Contactors
		If Wired
1	69090106A	Housing, Comm Cable end
2	69090108A	Female Connector, Comm Cable
3	69090109A	Male Connector, Comm Cable
4	32737160	Comm Cable
		If Earthlift
1	68039029	Motor, 24 VDC Battery Lifts, Earthlift
2	69500301	Motor Controller, Earthlift
3	69900300	PCB, With Digital LCD Battery, Earthlift

Additional Items for Battery Ebright
ST1085 / 1100 Mobile Columns

#	Item No.	Item Description
1	32736150	Hydraulic Hose, Battery Lift
2	38007761	ID Key
3	38007764	HMI Display Screen
4	38007766	Replacement Antenna
5	68039013	Motor Solenoid for Battery operated
6	68039014	Motor, 24 VDC Battery Lifts
7	69120026	Main Switch if Battery
8	69171024	Limit Switch for P/J interlock
9	69206102	Fuse 200A for Battery Lifts
10	69302016	Connector, 3-Prong Panel Mount For Battery Charger
11	69500104	Battery Charger, Meanwell For Battery Lift
12	69900321	PCB, With Digital LCD Battery, Earthlift
13	69120018A	Emergency Stop Button Flat Mushroom w/ Contactors
		If Wired
1	69190023	Housing, Comm Cable end
2	69190016	Female Connector, Comm Cable
3	69190017	Male Connector, Comm Cable
4	38007758	Comm Cable, Wired, Battery Ebright
5	38007790	Complete replacement Control Box, Wireless
		If Earthlift
1	68039029	Motor, 24 VDC Battery Lifts, Earthlift
2	69500301	Motor Controller, Earthlift
3	38008790	Complete replacement Control Box, Earthlift
4	68039029	Motor, 24 VDC Earthlift Lifts

Additional Items for 208-460 volt Ebright
ST1085 / 1100 Mobile Columns

#	Item No.	Item Description
1	38007790	Complete replacement Ebright Control Box
2	69900321	Main PCB
3	69900323	Power PCB
4	69130009	Motor Safety Relay
5	69120044	Safety Relay
6	69120043	Main Switch
7	69190061	Housing, Comm Cable end
8	69063005	Cord Grip for Cable End Housing
9	69190063	Female Connector, Comm Cable
10	69190064	Male Connector, Comm Cable
11	38004793	Comm Cable, Wired, A/C Voltage Ebright

5b. Sky lifts

Recommended Spare Parts for Skylift Gen 2, All

#	Item No.	Item Description
1	41310710	Inclinometer With Cable For Skylift
2	68039036	Pressure Relief Valve, SET AT 240 BAR FOR SKY 250
3	68039037	2/2 Valve NC (ex. Solenoid) For Skylift
4	69120035	Main Switch, Skylift & ECO
5	69154004	Main Safety Relay Skylift
6	69206026	Fuse, 1 amp, type CC
7	69900145	PCB, Power Board 4120 And Skylift
8	69900190	PCB, Main Control BD For Skylift.
9	70900094	Fitting, Push to connect for Air Valve
10	70900096A	Air Hose, Coiled, 6mm For Air Lock Release On Skylift
11	70905001	Cylinder, pneumatic, short stroke, Skylift lock release
12	70913102	Valve, Pneumatic, Dual, For Skylift Lock Release

Recommended Spare Parts for Skylift
Variable Parts

#	Item No.	Item Description
Hoses for Painted Lift, Flush or Surface		
1	41310671	Hose, Hyd, thru Chain, Gen 2, RED 3350mm
2	41310672	Hose, Hyd, thru Chain, Gen 2, YELLOW. 3350mm
3	41310673	Hose, Hyd, thru Chain, Gen 2, GREEN, 3850mm
4	41310674	Hose, Hyd, thru Chain, Gen 2, BLUE, 3850mm
Hoses for WashBay Lift, Flush or Surface		
1	41310621	Hose, Hyd, thru Chain, Gen 2, RED 3350mm, chem resistant
2	41310622	Hose, Hyd, thru Chain, Gen 2, YELLOW. 3350mm, chem resistant
3	41310623	Hose, Hyd, thru Chain, Gen 2, GREEN, 3850mm, chem resistant
4	41310624	Hose, Hyd, thru Chain, Gen 2, BLUE, 3850mm, chem resistant
Cylinders and Upper Locks For Painted Lifts - Flush Mount		
1	41310225	Lock, Upper, Flush Mount, Skylift, Gen 2
2	41310610	Cylinder, Hydraulic, Skylift, Flush Mount, Gen. 2
Cylinders and Upper Locks For Painted Lifts - Surface Mount		
1	41300225	Lock, Upper, Surface Mount, Skylift, Gen 2
2	41300610	Cylinder, Hydraulic, Skylift, Surface Mount, Gen. 2
Cylinders and Upper Locks For Wash Bay Lifts - Flush Mount		
1	41310225-VZ	Lock, Upper, Flush Mount, Skylift, Gen 2, Wash Bay
2	41310610-VZ	Cylinder, Hydraulic, Skylift, Flush Mount, Gen. 2, Wash Bay
Cylinders and Upper Locks For Wash Bay Lifts - Surface Mount		
1	41300225-VZ	Lock, Upper, Surface Mount, Skylift, Gen 2, Wash Bay
2	41300610-VZ	Cylinder, Hydraulic, Skylift, Surface Mount, Gen. 2, Wash Bay

5c. Diamond Lift

Recommended Spare Parts for Diamond Lift

#	Item No.	Item Description
1	31050780	HMI (w/ front panel) for Ebright Sys only
2	69500012	Transformer
3	69900340	Ebright board
4	D360-01	Lock bar, upper section
5	D370-00	Lock Pivot Assy
6	D435-00	Rear Cover Balance Assy
7	Oil-BIO	5 gallon pail of Panolin
8	P00318	Spur Gear, 14-1/2, 6 pitch, 12 teeth
9	P00511	Cylinder, pneumatic, Lock Assembly
10	P00561	Industrial Gas Spring, for rear cover mech
11	P00561	Spring, Gas, Diamond Lift
12	P00649	Fluid Notification Valve
13	P00656	Spring, Tension, for rear cover mech
14	P01025	Lowering Valve, Blue Knob
15	P01072	Lowering Valve, Red Knob
16	P01074	Drive select valve
17	P01075	Drive reverse valve
18	P01236	Sensor, Oil, Ultra-Sonic, P-F Metal Barrel

5d. ECO Lift

Recommended Spare Parts for ECO Lifts

04712-03	Bolt, Cylinder Pin Retainer, 1/2-13 X4"
04540-01	Link, Lock Release, Gen 6
04540-04	Wheel, Lock Release, Gen 6
04612-01	Bumper, Air Cylinder
15222-05	Half Shaft, 1-1/4" X 1" Ends
69900155	PCB, in Remote Pendant
69900240	PCB, Pre- Ebright
69900340	PCB, Ebright
E00117	Lumborg M8 Field Connector (Female) 3W ECO Lift
E00118	Lumborg M8 Field Connector (Male) 3W ECO Lift
ECO603304	Coupling Hub
ECO603313	Spider Coupling L099/100 Plastic
P00001	Composite Journal Bearing Polygon 2" MEG-2004-04-732-02-R00
P00030	Velocity Fuse, ECO
P00217	Composite Journal Bearing Polygon, 2" dia, 1-3/4" long, MEG-2004-04-732-01-R00
P00223	Cylinder, Pneumatic, lock release, ECO thru Gen 5
P00233	Drive Motor ECO Low Speed High Torque
P00265-01	Pin, Quick Release on Adapter Base, less Knob
P00291	Chain, Cable and Hose Carrier, Single Link, ECO & Diamond Lift
P00318	Gear, Spur, 14 1/2, 6P, 12 Teeth 2" Pitch ECO Lift 1" Shaft
P00320	Shaft Coupling
P00330	Chain, End Links, Pair, Cable & Hose Carrier, Eco & Diamond
P00397	Valve, Air, 24V, for locks, ECO & Diamond
P00408	1/4" Coil Hose ECO Lift
P00409	Connector For Coil Hose 1/4" X 1/4" npt ECO Lift
P00500	Switch, Pressure Sensor
P00672-ECO	Eprom, ECO, use w/ pcb 69900240
P00797	Clevis, Piston, Lock Release, Gen 6
P00799	Cylinder, Pneumatic, lock release, ECO Gen 6
P00803	Clip, Retainer, Lock Release, Gen 6
P01000	Motor, 575 volt, Eco lift, Previously known as 2000575
P01005	Motor, 240-460 V, 3-ph, ECO / Diamond Power Unit
X00823	Valve, Lowering for BV ECO, Red Alum Knob

Additional Spare Parts for ECO Lifts
Choose Specific Generation when Ordering

Optional - Choose According to Generation		
Item No.	Item Description	Qty
04212-00	Tier One, Inner Leg	1
04222-00	Tier Two, Inner Leg	1
04232-00	Tier Three, Inner Leg	1
04512-00	Cylinder, Hydraulic, Eco, Pre Gen 6 Only	1
04517-00	Weldment, Lower Lock Support	1
04522-00	Lock, Upper, Eco PRE-Gen 6 Only	1
04532-01	Lock, Lower, Front Side, Right, Eco PRE-Gen 6 Only, Slotted Holes	1
REV01	Lock, Lower, Front Side, Left, Eco PRE-Gen 6 Only, Slotted Holes	1
04532-02 REV1	Lock, Lower, Front Side, Left, Eco PRE-Gen 6 Only, Slotted Holes	1
04543-00	Lock, Upper, Eco Gen 6 only	1
04712-02	Cylinder Pin, Upper 2" x 14" Round Heat Treated Zinc	1
P00556	Hydraulic Unit, Fixed, 230/460V 3 Phase	1
P00557	Hydraulic Unit, Movable, 230/460V 3 Phase	1
P01044	Cylinder, hydraulic, Eco, gen 6 only	1
		1

