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LIFT-O-FLEX 19000 - 19500 LIFTER USER MANUAL

DOCUMENT ID: 01022018

Have Questions?

We're here for you.



+1 866 543 8635
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info@roni.com
www.roni.com



LIFT-O-FLEX

MOBI-Crane

movomech

Voyager



RONI
8001 Tower Point Drive
Charlotte, NC 28227 USA

IMPORTANT: READ MANUAL CAREFULLY

Use the equipment strictly as intended to prevent injury or damage. Familiarize yourself with safety guidelines and operational instructions. For any questions or concerns, contact our office promptly.

BEFORE YOU BEGIN



READ

It is important that you read and understand this complete manual prior to using your LIFT-O-FLEX® ergonomic handling equipment. If you have any questions, contact your dealer or Ronl.



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SPECIAL NOTES

The appearance of your LIFT-O-FLEX® lifter and the accompanying attachments may differ from the images displayed in this manual due to the custom nature of this equipment.

LIFT-O-FLEX® is a registered trademark of Ronl, Charlotte, North Carolina.

“Where **Ergonomics** make
Economic sense.”

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1. DESCRIPTION

1.1 OVERVIEW

LIFT-O-FLEX® lifters are ergonomically designed to simplify handling, lifting, and transportation of goods. Each lifting unit can be equipped with different types of load carriers or attachments. The goods to be handled are placed on the load carrier and adjusted to the desired height by pressing the buttons on the hand-held remote control pendant. The lifter is powered by rechargeable, sealed, lead acid batteries. The lift mast is totally enclosed and features a ball screw for smooth vertical DC-powered movement.

1.2 OPTIONS

The LIFT-O-FLEX comes standard with a Powder-Coated Paint/Anodized finish. As an additional option, the LIFT-O-FLEX is also available in Stainless Steel/Anodized finish.

An additional electronic power pack with quick exchange features is available to allow for multishift use.

1.3 ATTACHMENTS

Standard attachments for the LIFT-O-FLEX include a load platform, with or without a stationary or rotating V-Block, a fixed core probe, an Expand-O-Turn, and Squeeze-O-Turn. Custom applications are also available upon request.



← **Platform with V-Block**

Core Probe →



← **Expand-O-Turn**

Squeeze-O-Turn →



2. SAFETY

2.1 BUILT-IN FEATURES

The ergonomic design of the LIFT-O-FLEX is, in itself, an active factor of operational safety. The rear casters are equipped with pedal-activated brakes and the handle bar adjusts vertically to provide optimal ergonomic positioning for the operator. The lift mast contains a slip clutch; if anything gets in the way of the downward movement of the attachment, the slip clutch engages to help prevent injuries as well as mechanical damage to the lifter. We have also incorporated current limiting to prevent overloading beyond the rated capacity for the unit.

2.2 STORAGE AND TRANSPORT

During storage and transport, the remote control pendant and motor cable should be disconnected. The lifter should be secured during transport to avoid the risk of tipping over.

2.3 MOVEMENT

The load carrier should always be lowered as low as possible to ensure safe and stable handling. Use caution when passing thresholds, cords, and other objects on the floor. The handle bar should be gripped in a way so that the hands are not hurt when passing edges, walls, or protruding objects. The movement of heavy loads can be easier when using the directional lock (details listed under *5.5 Brake System*).

2.4 LOADING AND UNLOADING

The user is responsible for ensuring that the lifter is loaded correctly.

Always apply the brakes when loading and unloading.

The center of gravity of the goods should always be centered on the load carrier and positioned as close to the lift mast as possible for maximum stability.

The load carrier should be positioned at the correct height before loading and unloading to allow a good working position. The load should be pushed or pulled on or off of the load carrier.



3. WARRANTY

Limited Warranty

Ronl warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective original part if the part is covered by the warranty, after we receive a proper request from the warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are the warrantee if you purchased the product from Ronl or from an authorized distributor and Ronl has been fully paid.

What is an “original part”?

An original part is a part used to make the product as shipped to the warrantee.

What is a “proper request”?

A request for warranty service is proper if Ronl receives: 1) a photocopy of the customer invoice that displays the shipping date and 2) a written request for warranty service that includes your name and phone number. Requests may be sent using the following methods:

Mail

Ronl
8001 Tower Point Drive
Charlotte, NC 28227

Fax

Toll Free 1-866-543-9532
Direct 1-704-847-6739

Email

info@roni.com

What is covered under the warranty?

After Ronl receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Ronl may require you to send the entire product, or just the defective part(s), to its facility in Charlotte, North Carolina.

How long is the warranty period?

The warranty period for original dynamic components is one (1) year. For batteries, the warranty period is 30 days. The warranty period begins on the date when Ronl ships the product to the warrantee.



Warranty Evaluation

All parts sent back (freight paid by customer) to Ronl for warranty replacement and/or repair will be evaluated. Ronl will determine if the part is a warranty issue or if it has been damaged due to misuse or negligence. A written report will be issued detailing the investigation of the part and whether or not the part is classified as warranty.

What is not covered by this warranty?

1. Labor
2. Freight
3. Occurrence of any of the following, which will automatically void the warranty:
 - product misuse
 - negligent operation or repair
 - corrosion or use in corrosive environments
 - inadequate or improper maintenance
 - damage sustained during shipping
 - collisions or other incidental contacts causing damage to the product
 - unauthorized modifications: do not modify the product in any way without first receiving written authorization from Ronl as modifications(s) might make the product unsafe to use or could potentially cause excessive and/or abnormal wear

If a defective part is warranted, how will Ronl correct the problem?

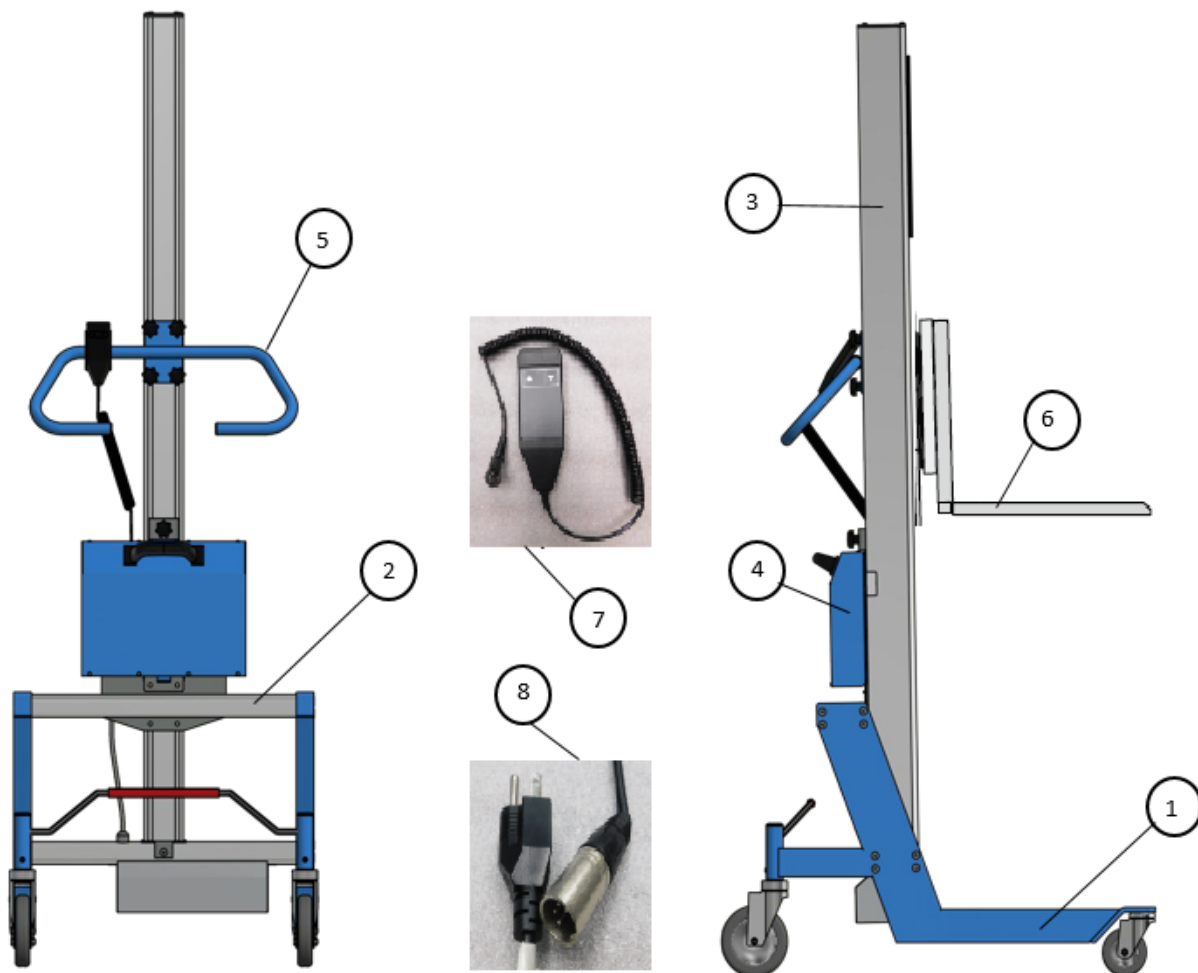
Ronl will provide an appropriate replacement for any covered part. An authorized representative of Ronl will contact you to discuss your claim.

Warranty Procedure

In the event that a part is damaged or broken, please contact Ronl via phone or email to establish a dialogue to identify and diagnose the problem. Please have your lifter serial number available when you call or email.
(located on the motor cover underneath the intermediate)



4. ASSEMBLY INSTRUCTIONS



The wheel frame and the cross-member are integrated on some models:

- | | | |
|------------------|----------------|----------------|
| ① Lifter leg | ② Intermediate | ③ Lift mast |
| ④ Power pack | ⑤ Handlebar | ⑥ End-effector |
| ⑦ Remote control | ⑧ Charger | |

4.1 ASSEMBLY

Assembly Instructions

The lifter is normally delivered disassembled in modules or partially assembled in order to minimize freight costs. When the lifter is delivered disassembled, each module comes separate with required screws and tools, etc. When the lifting device is delivered partially assembled, the frame will be together and the components such as masts, power pack and handle will need to be mounted to the frame.

ASSEMBLING THE FRAME

(Associated diagrams on the next page)

Tools: 1 Allen wrench key size 5mm

Bolts: 16pc. M8x70 mm (6)

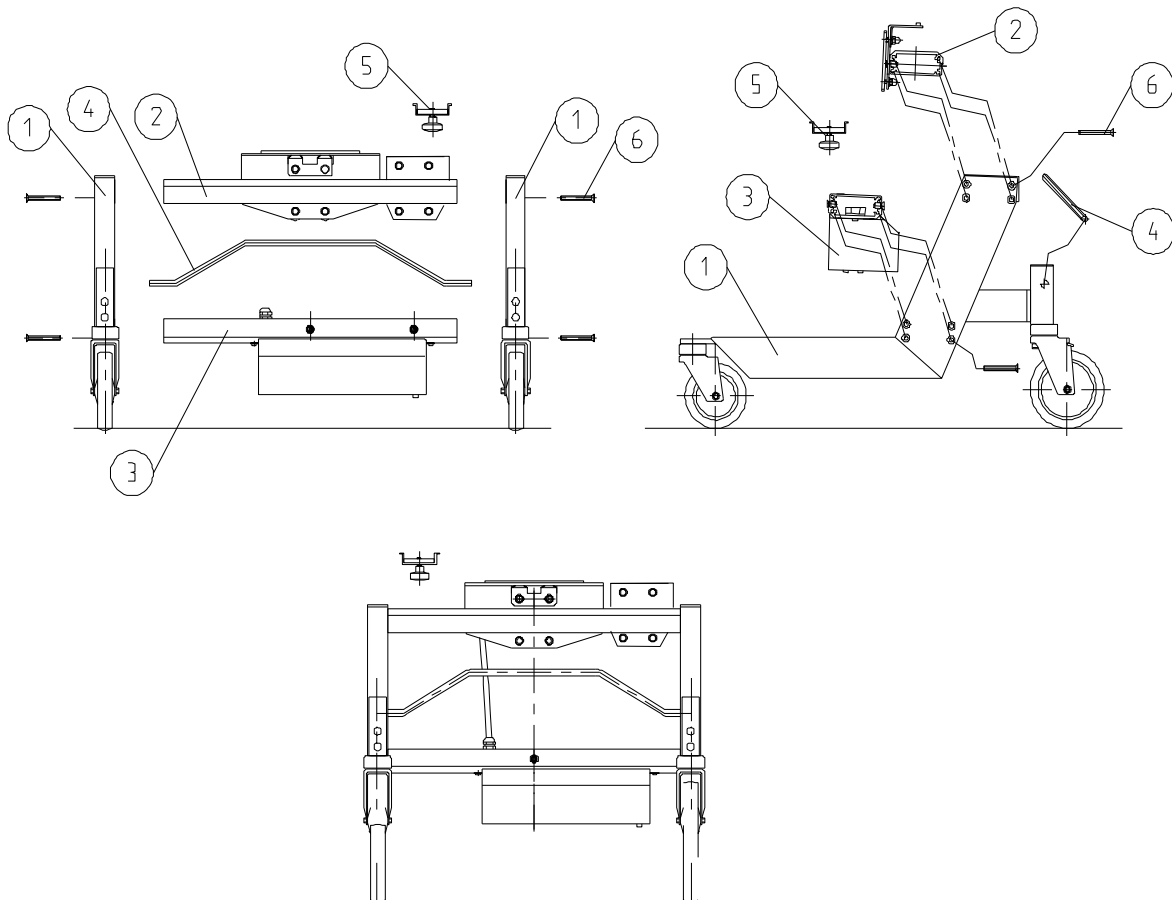
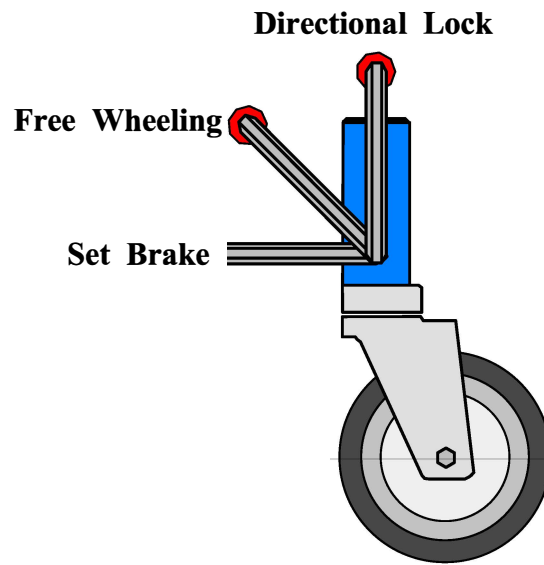
Modules: 1 pair of legs (1), 1 pc. Upper intermediate section (2), 1pc. Lower intermediate section (3), 1 pc

Brake rod (4), 1 pc. Lock for Power Pack (5), (needed when power pack is to be mounted),

- 1) Before assembling the frame, the rear casters on each leg (three position-see example on next page); should be locked in the directional lock mode. This is accomplished with the brake rod (4). Insert one end of the rod into the hole located on the caster holder and turn it so the wheel is directionally locked and is in the proper position. (Do this on both legs).
- 2) Place the upper intermediate section (2) and the lower intermediate section (3) on edge. The upper intermediate section has the mast slide located on the center and should be placed facing the front casters. The lower intermediate section has the lift motor attached and should be placed so that the (2) screws that attach the lift mast to the lower intermediate section face the front casters. Take one of the legs (1) (the hex hole for the brake rod should face down) and mount it with the enclosed bolts (6) 8 pcs. Screw it in place (do not tighten). Turn the intermediate sections with one leg attached over and mount the opposite leg. Insert the brake rod (4) into the hex holes in the proper position before attaching the leg with the bolts. (do not tighten). The brake rod (4) should be pointed up and perpendicular to the legs.
- 3) Place the frame on its wheels on a level floor. Put pressure on the legs so that each wheel has contact with the floor. Now, tighten all the bolts in place.



BRAKE ROD POSITIONS



ASSEMBLING THE END EFFECTOR AND MAST

(Associated diagrams on the next page)

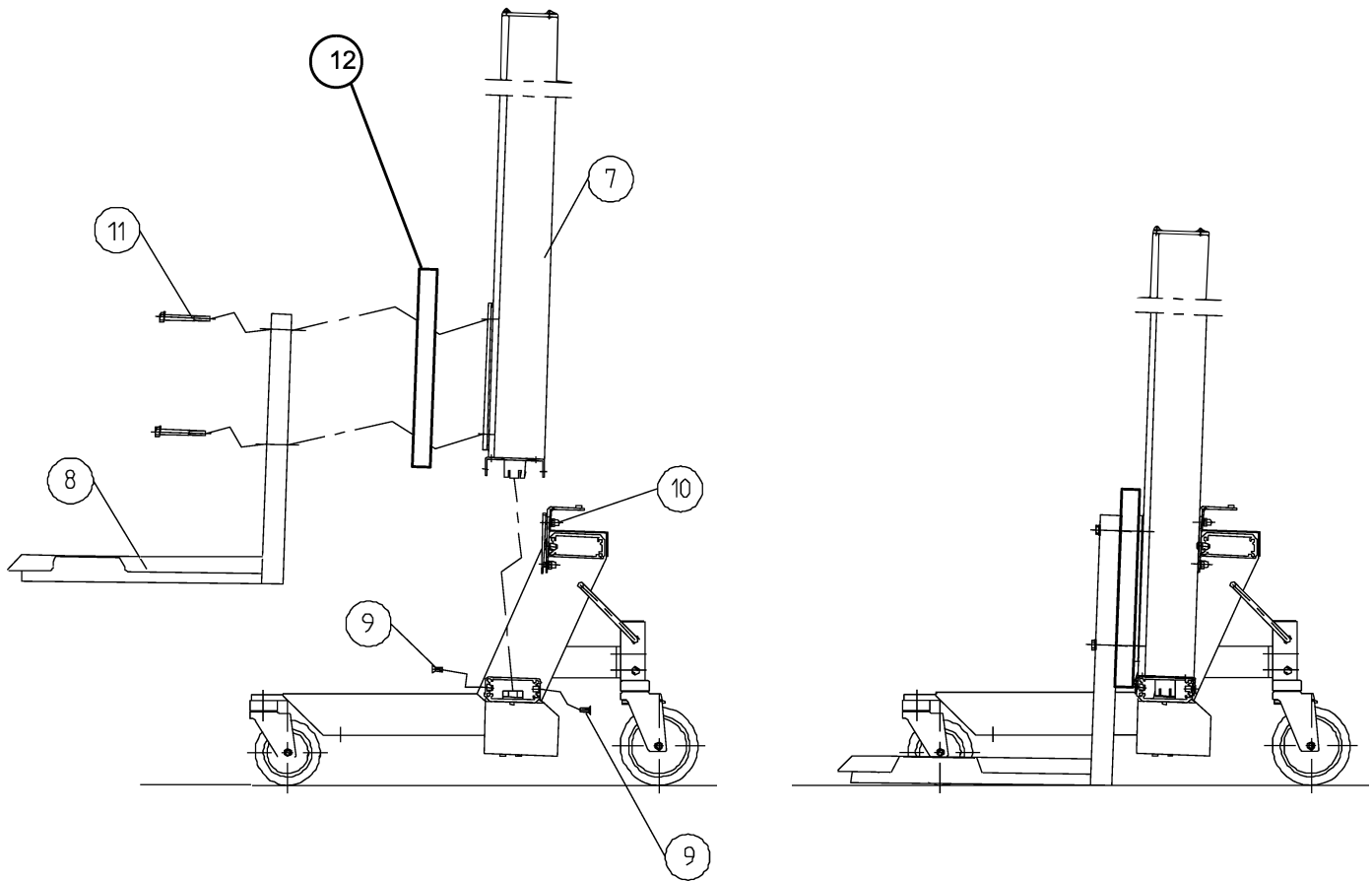
Tool: 1 pc. Allen wrench size 5 mm, 1 pc. regular wrench size 13 mm

Screw: The bolt holding the mast: each bolt and nut is on the frame, the platform screw 2 pcs. 3/8"x 3 1/2"

Modules: 1 pc. mast (7), 1 pc. Load platform (8), 1 pc. slave mast (12)

- 1) Remove the 3 screws (9) which are on the lower intermediate section and loosen the 4 nuts (10) on both sides of the intermediate section.
- 2) Make sure the yellow plastic coupling on the motor is still in place on the gear reducer.
- 3) Rotate the primary mast so the coupling is pointing down. Move the mast slide all the way to its bottom position. Note: The slide can travel down at a high rate of speed should it be on the opposite end when rotating the mast for placement. The slide should be in the lowest position when mounting the mast.
- 4) Insert the mast over the guide rails on the upper intermediate section and push the mast down in order for the fastening plate to cover the lower intermediate section. Make sure the coupling on the lift mast and motor are properly mated together or the lower bolts cannot be installed. Installing the slave mast is the same as the primary except for aligning coupling to lift motor which is not required. Also, attach the top mast bracket prior to installing end-effector.
- 5) Fasten the first 3 bolts (9), this will automatically center the mast. Next, tighten the 4 bolts (10) on the guide rails in the upper intermediate section.
- 6) The end-effector can now be mounted with its 2 bolts (11).
- 7) Should you have an accessory which requires electricity this is to be connected to the power pack (5) into the same outlet as the battery charger. While charging, these accessories will have to be disconnected. After charging remember to reconnect the plug for the accessory.





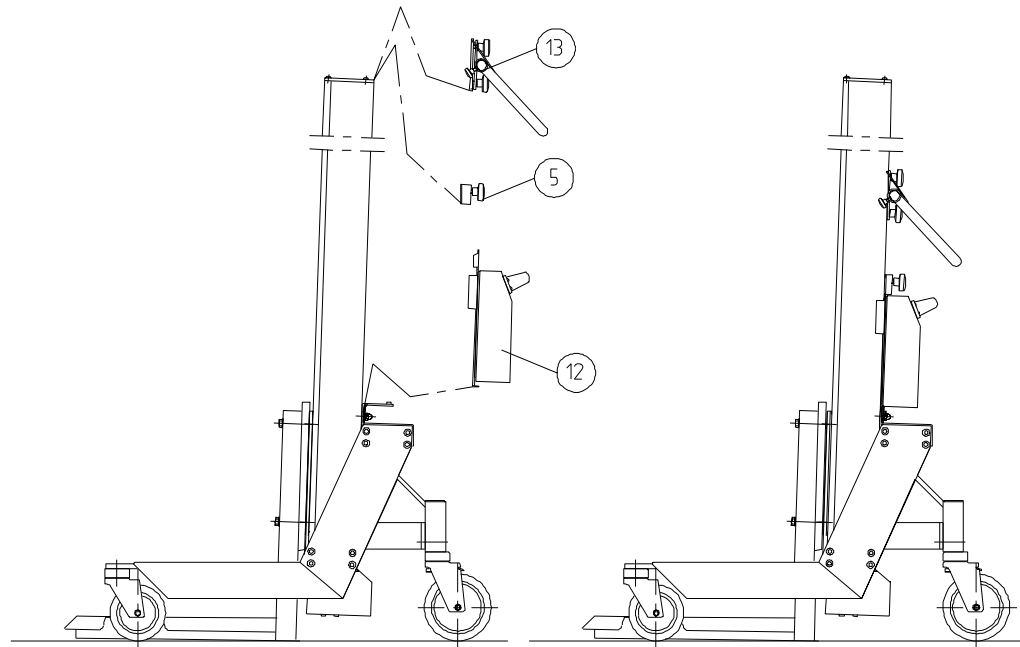
ASSEMBLING THE POWER PACK, GRIP, AND REMOTE CONTROL

[\(Associated diagrams on the next page\)](#)

Modules: 1 pc upper lock (5), 1 pc power pack (12), 1 pc grip (13), and 1 pc remote control

- 1) Guide the upper lock nut of the power pack into (5) the tracks of the back of the mast, the knob shall be on top (slightly off center).
- 2) Lift the power pack (12) by lifting the upper lock (5), slide the power pack (12) so its lower fastening hook fastens at the bottom of the mast. Lower the upper connector (5) until it covers the top of the power pack mounting detent and tighten.
- 3) Plug in the connector to the front of the power pack. Cable with plug to motor (black connector with red handle).
- 4) Insert the handle slides into the two slots in the back of the lift mast and slide down the handle and secure at a desired height.
- 5) Connect the remote control device to the power pack (12). The plug shall be on the right front side (the same side as the plug for the motor).
- 6) The lifter is now ready for use.





4.2 DISASSEMBLY

To disassemble the lifter, refer to directions above and reverse the order.

Disposal after useful life

When the lifter has provided many years of use and is ready to be disposed of, it should be recycled. The LIFT-O-FLEX® lifter is manufactured with materials that are recyclable. We have also selected recyclable gel-cell batteries over nickel-cadmium batteries for this purpose.

5. OPERATING INSTRUCTIONS

5.1 USING THE LIFTER

In order to prevent and avoid work injuries, it is important that the LIFT-O-FLEX is operated in a proper manner.

Please note, if a load remains on the lifter for some time, it may be necessary to lower the load before it can be raised.



5.2 ADJUSTING THE HANDLEBAR

The height of the handlebar can easily be adjusted by loosening the quick disconnect knobs and sliding the handlebar to the desired position. After adjustment, tighten the quick disconnect knobs. To obtain the best working conditions, it is important to adjust the handle to a comfortable level. During movement of the lifter, always keep your hands inside the handlebar. This will protect the hands in the event the handlebar should encounter an obstacle. Never put arms through the handlebar to reach something on the load carrier, as this may pose a crush hazard.

5.3 POWER PACK

Modifying the power pack is dangerous. This device may not be sealed in any way. It should not be exposed to splashed or running water.

5.4 REMOTE CONTROL

The load carrier is raised and lowered by pressing the buttons on the hand-held remote control pendant. The remote control has either two or four buttons and is used as shown below.



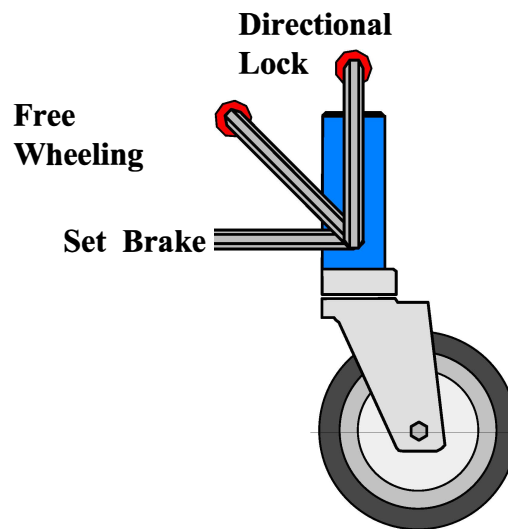
The remote control should be placed to allow the user to easily press the buttons. The bracket for the remote control is fitted to the handlebar. The bracket can easily be moved by turning the black knob counter-clockwise. The bracket can be locked in any position on the handle by turning the knob clockwise. The bracket can be tilted to any angle on the handlebar. The remote control can be removed from the bracket.

5.5 BRAKE SYSTEM

On lifters equipped with a central brake, the brake is applied by moving the brake bar to its lowest position.

On lifters equipped with a central brake, the directional lock is activated by moving the brake bar to its highest position. This locks the rear wheels in a position that only allows the lifter to move straight forward or backward.

On lifters with individually-braked wheels, the brakes are applied by pressing down the lever on each wheel separately.



6. MAINTENANCE

6.1 GUIDELINES

In order for the lifter to function properly, it is important that maintenance is carried out in accordance with what is described below. The stated service intervals are applicable during normal use and charging once a day. Further use requires more frequent service intervals. After disassembly or assembly of the column or load carrier, a load test should be performed.



6.2 EVERYDAY

Charging

Only chargers supplied or approved by Ronl may be used.

The charger must not be exposed to water.

The lifter must be in a well-ventilated area when it is being charged.

Always connect the charger to the lifter before connecting to the main power.

Do not operate the device while charging.

The batteries should be recharged every night. In order to avoid complete discharge, which damages the batteries, the batteries should also be charged when the lifter is not used for an extended period of time, e.g. during weekends and holidays.

When the battery charger is connected to the lifter and has power, there is a yellow/orange light on the charger, indicating ongoing charging. When the batteries are fully charged the light is green. The lifter can remain connected to the charger indefinitely without risk of overcharging, preferably until next use.

For lifters with a power pack equipped with a voltage indicator, a flashing bar on the voltage indicator means that the batteries need charging. If the lifter is left unused for 10 minutes, sleep mode is activated and the voltage indicator turns black. The lifter can be restarted by pressing any button on the remote control. When the lifter is restarted from sleep mode after charging, it takes two minutes before the voltage indicator shows if the batteries are fully charged.



6.3 EVERY YEAR, OR WHEN NEEDED

Cleaning

Clean the lifter by wiping it down only. Wipe the lifter dry after cleaning. Do not use hose or high-pressure jet as this may damage the electronics and the paint.

Electrical connections

Check all connections and repair any damage or wear. If needed, replace with new parts.

Wear of machine parts

Check the parts of the machine in order to identify any cracking or wear.

Nuts and bolts

Make sure all nuts and bolts are tightened.

Lift mast

Lift the column from the cross-member.

Clean the brush strips and wipe the column clean.

Remove the four corner screws at the top of the column (not the three in the middle).

Pull out, wipe and lubricate the lift screw with new ball bearing grease.

Put the lift screw back and tighten the screws.

Check the coupling by making sure the sleeve and the hub located inside the column and inside the cross-member are intact and in working order.

Put the lift mast back and perform a load test.

Wheels

Make sure all wheels run smoothly.

Lubricate the bearings.

Check that the tire rubber is intact.

Brakes

Check that the brakes work.

Knobs for handlebar and bracket for remote control

Check that the knobs loosen and tighten correctly.



Replacing the fuse

The fuse is located inside the power pack. A wiring diagram for the lifter is attached to the inside of the lid of the power pack. Before removing the lid, by loosening the screws, the user should apply the brakes and wear protective footwear. Be extra cautious when opening the power pack. If the device is tilted after the lid has been removed, the batteries can slide out of the power pack and harm the user.

Replacing the batteries

Batteries may be replaced by a person with basic technical knowledge. When changing the batteries, protective footwear should be used and the brakes should be applied. To open the power pack, see section above. Used batteries should be handed in to a recycling center.

Plates and decals

Verify that the following plates and decals are attached and fully readable.

Plate / Decal	Description	Placement
CE Decal	Decal with CE mark and year of manufacture	At the back of the intermediate
Serial Number	Decal with serial number	At the back of the intermediate & at the bottom on one side of the lift mast
Model	Decal with text stating the model of the lifter	At the back of the lift mast
Maximum Load	Decal with text stating the maximum load and that lifting people is not allowed	At the top on both the left and right sides of the lift mast
Do Not Step, Do Not Stand Under Platform, Charge @ Night	Decal with Do Not Step, Do Not Stand Under Platform, Charge @ Night	On the top right of the intermediate
Moving / Unloading	Decal with moving and unloading instruction	On the top left of the intermediate
Brake Positions	Decal with brake positions	At the back of the power pack
Safety Information	Card with warranty check list and contact information	Zip tied to handlebar



7. TROUBLESHOOTING

The lifter is designed for safe and efficient operation, provided that routine maintenance is carried out in accordance with the instructions given. If problems arise, some guidance is provided below. If the problem persists after action has been taken, please contact a service technician or Ronl.

If the load carrier does not move or moves very slowly:

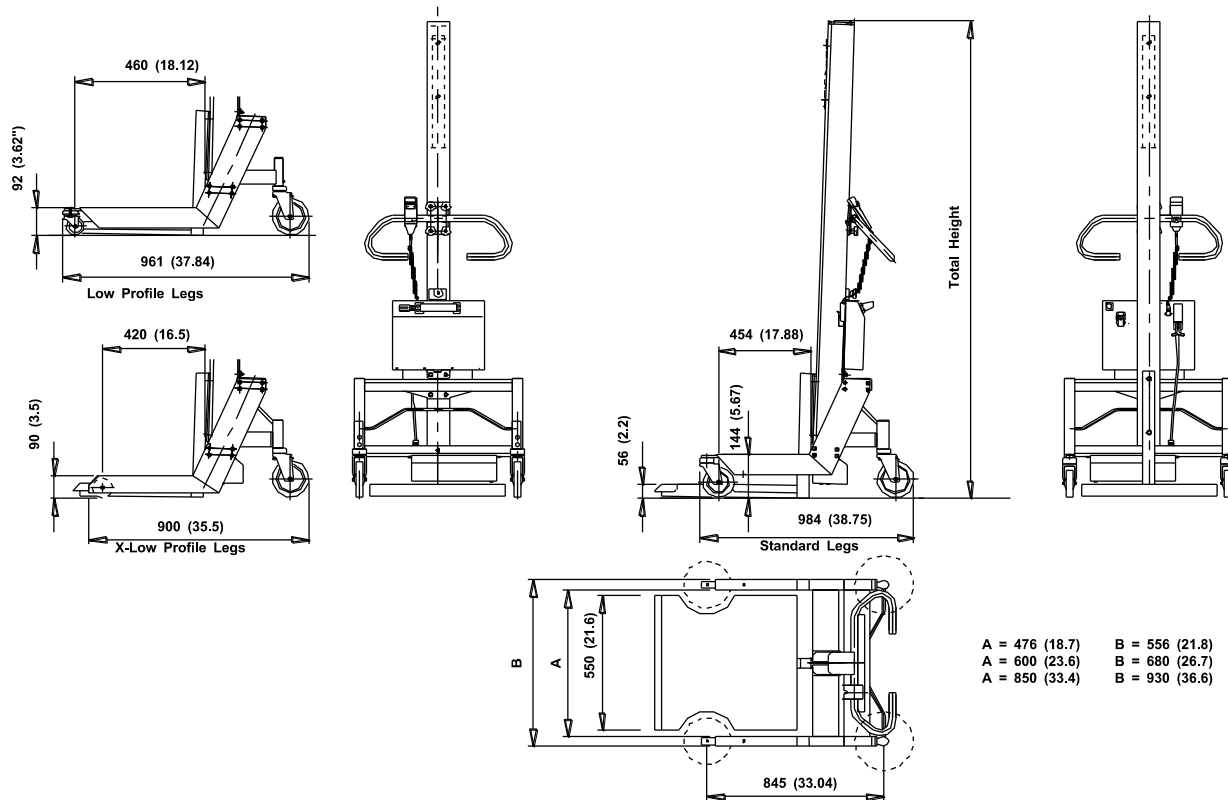
- Verify that the maximum load is not exceeded.
- Charge the batteries.
- Check that the battery charger works. A light should be visible on the charger when plugged into the main power.
- Check if the fuse inside the power pack needs to be replaced.
- Check the battery voltage and replace the batteries if the voltage after eight hours of charging is less than 24 volts.

If the lifter sounds strange:

- Make sure the lifter is correctly assembled, see section Assembly.
- See section Maintenance.



8. TECHNICAL SPECIFICATIONS



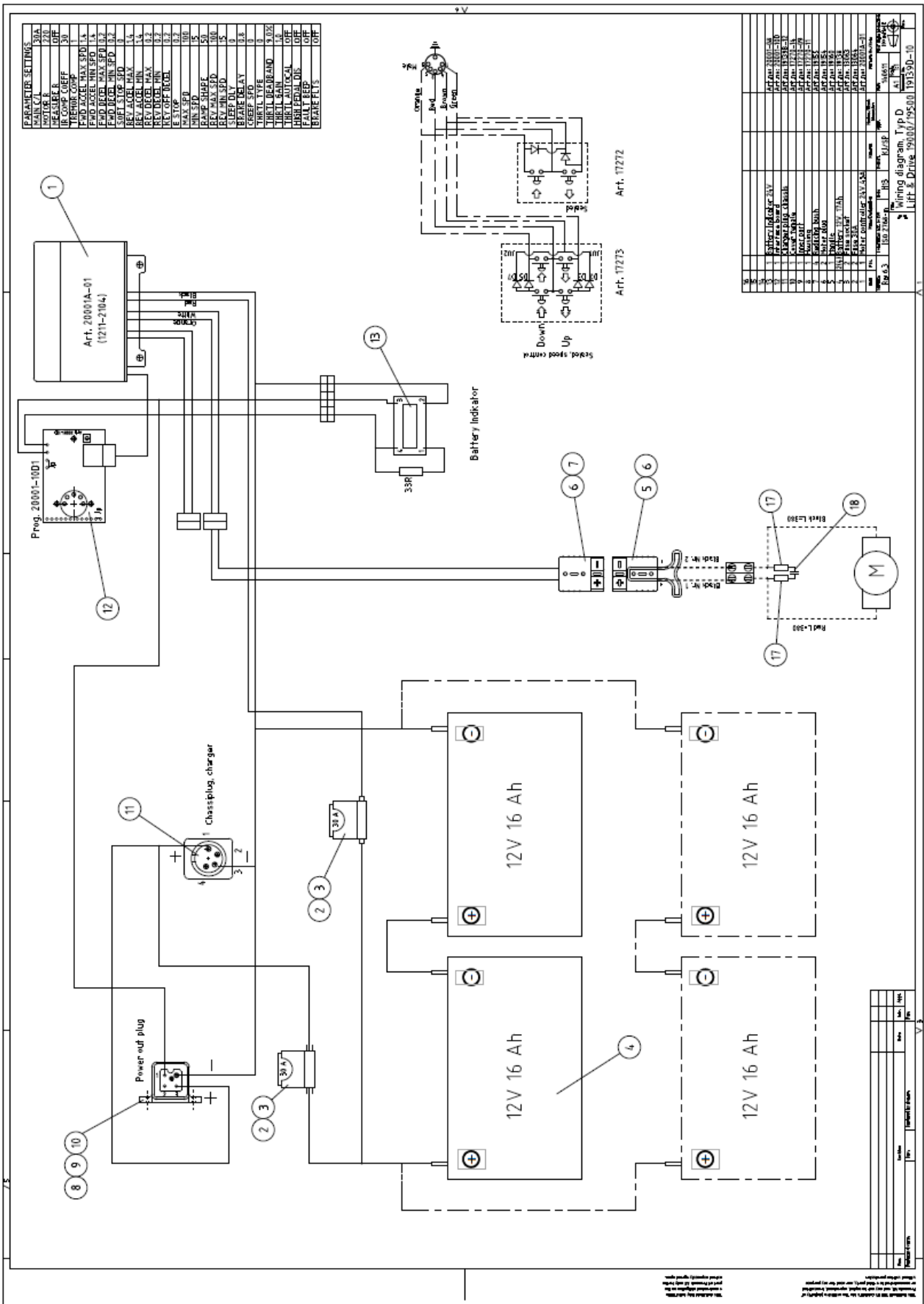
NOTE: Custom Lift-O-Flex® solutions can be designed specifically for your application

Technical Specification 19000/19500 Series Lifters:

Floor to top of Mast Standard Legs	Floor to top of Mast Low Profile Legs	Total Lift Stroke Standard Mast	Total Lift Stroke HD Mast
2003mm (78.8")	1951mm (76.8")	1375mm (54.1")	1262mm (49.7")
2503mm (98.5")	245mm (96.5")	1875mm (73.8")	1694mm (66.7")
3003mm (118.2")	2951mm (116.1")	2368mm (93.2")	2260mm (89")
Minimum Lift Height	~56mm (~2.2")		
Lift-Speed 19000 Series	~100mm/sec (4"/sec)		
Lift-Speed 19500 Series	~50mm/sec (2"/sec)		
Legs-Standard (Overall Length)	Std Length 984mm (38.75")-Long 1184mm (46.62")-X-Long 1384mm (54.5")		
Legs-Low Profile (Overall Length)	Std Length 961mm (37.84")-Long 1161mm (45.72")-X-Long 1361mm (53.6")		
Legs-X-Low Profile (Overall Length)	Std Length 900mm (35.4")-Long 1110mm (39.7")		
Wheel Material	Polyurethane/Rubber		
Wheel Diameter (Front/Back) Standard	100mm (3.9")/150mm (5.9")-Front Single Swivel		
Wheel Diameter (Front/Back) Low built	62mm (2.44")/100mm (3.9")-Front Dual Swivel		
Wheel Diameter (Front/Back) X-Low built	76mm (2.9")/150mm (5.9")-Front Fixed Castor		
Width: Outside	Std-556mm (21.8") Wide 680mm (26.7") X-Wide 858mm (33.4")		
Noise level	>70dB(A)		
Maximum Load 19000 Series	160Kg (350-lbs)		
Maximum Load 19500 Series	225Kg (500-lbs)		
Lifter Weight w/o End-Effector	90Kg (198-lbs)		
Battery Type	Lead Gel Cell		
Battery Voltage	24V, 2 Amp		
Battery Capacity	16 AHr		
Recharge Time	6-8 Hours		
Finish	Powder Coated Paint/Anodized or Stainless Steel/Anodized		



9. SCHEMATICS / 9.1 WIRING DIAGRAM



9.2 SPARE PARTS

Only spare parts supplied or approved by RonI may be used.

Commonly Ordered Spare Parts

Part Number	Description
17272	Two-button remote control
17273	Four-button remote control
20001A-01	Curtis Controller
20001-10DR7	Auxiliary Cards / Interface Boards
2403SRL	Battery charger
R7106	Battery set
19265A	Lift motor
30:1	Lift gear
20:1	Lift gear
19180	Standard slide (280mm)
19180 HDS	HD slide (380mm)
20011-01	Low built front caster (dual swivel)
17557	Low built rear caster
20010-01	Standard front caster
19118	Standard rear caster

**Contact us to
order!**

**1-866-LIFT-O-FLEX
(543-8635)
spareparts@roni.com**



17272 2-Button Remote Control

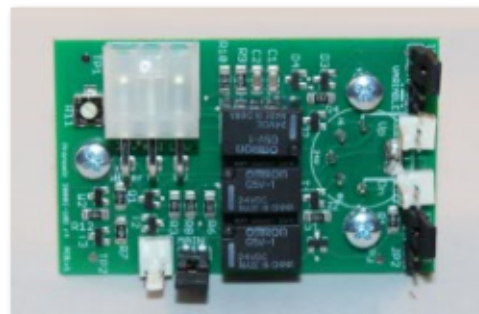


17273 4-Button Remote Control

When ordering the following two parts please advise your lifter serial # and load capacity



20001A-01 **Curtis** Controller



20001-10DR7 **Aux Card** 1

(continued on the next page)



Commonly Ordered Spare Parts



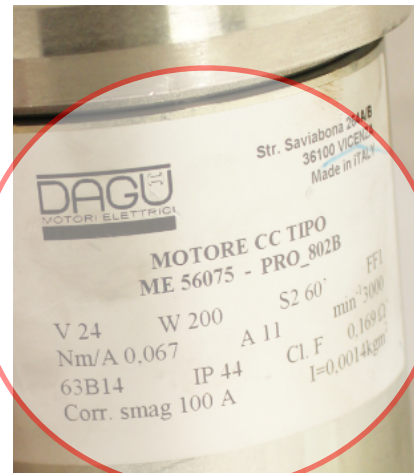
2403SRL Battery charger



R7106 Battery Set.jpg



19265A (2) Lift Motor



30;1 Lift Gear (2)

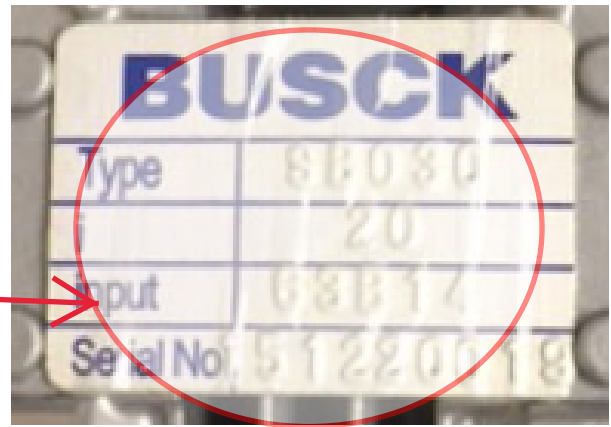


(continued on the next page)





20:1 Gear (4)



19180 Standard Slide (280mm)



19180 HDS HD Slide (380mm)



20011-01 Low built front casters; dual swivel; 2.44in



17557 Low built rear caster; free swivel; 4in



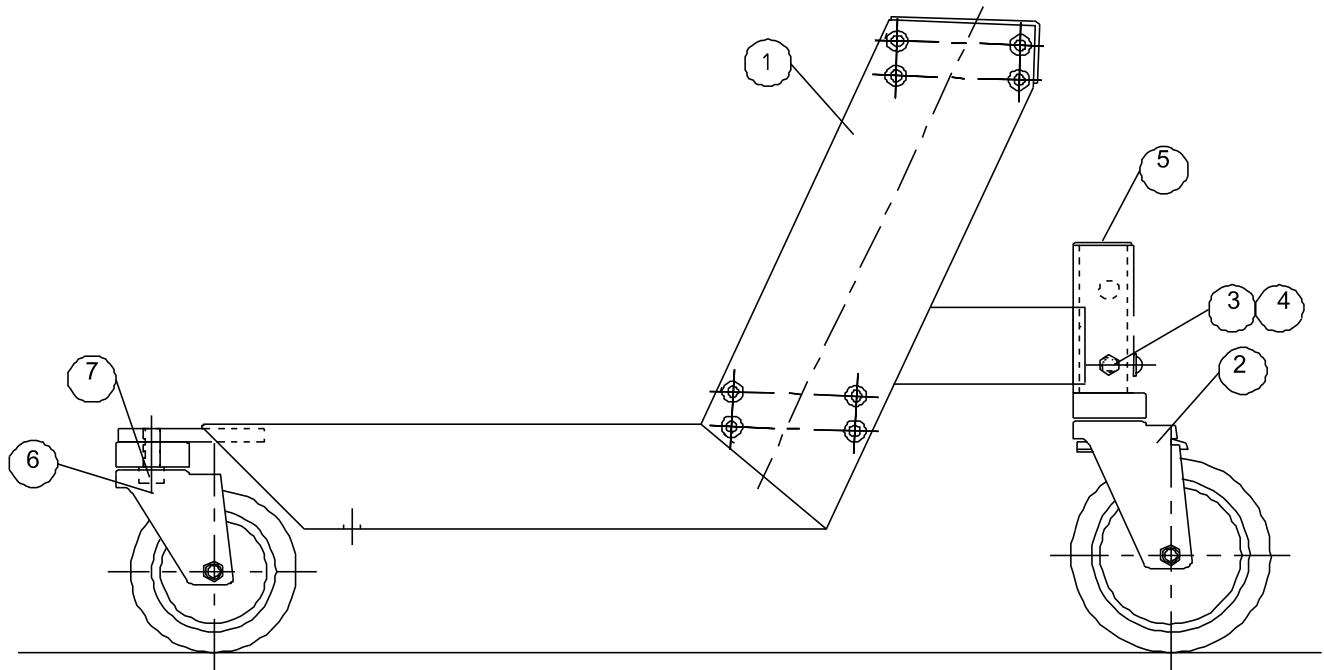
20010-01 Standard front caster; free swivel; 4in



19118 Standard rear caster; free swivel; 6in



Legs (Standard Built-Single Swivel Front Wheel)



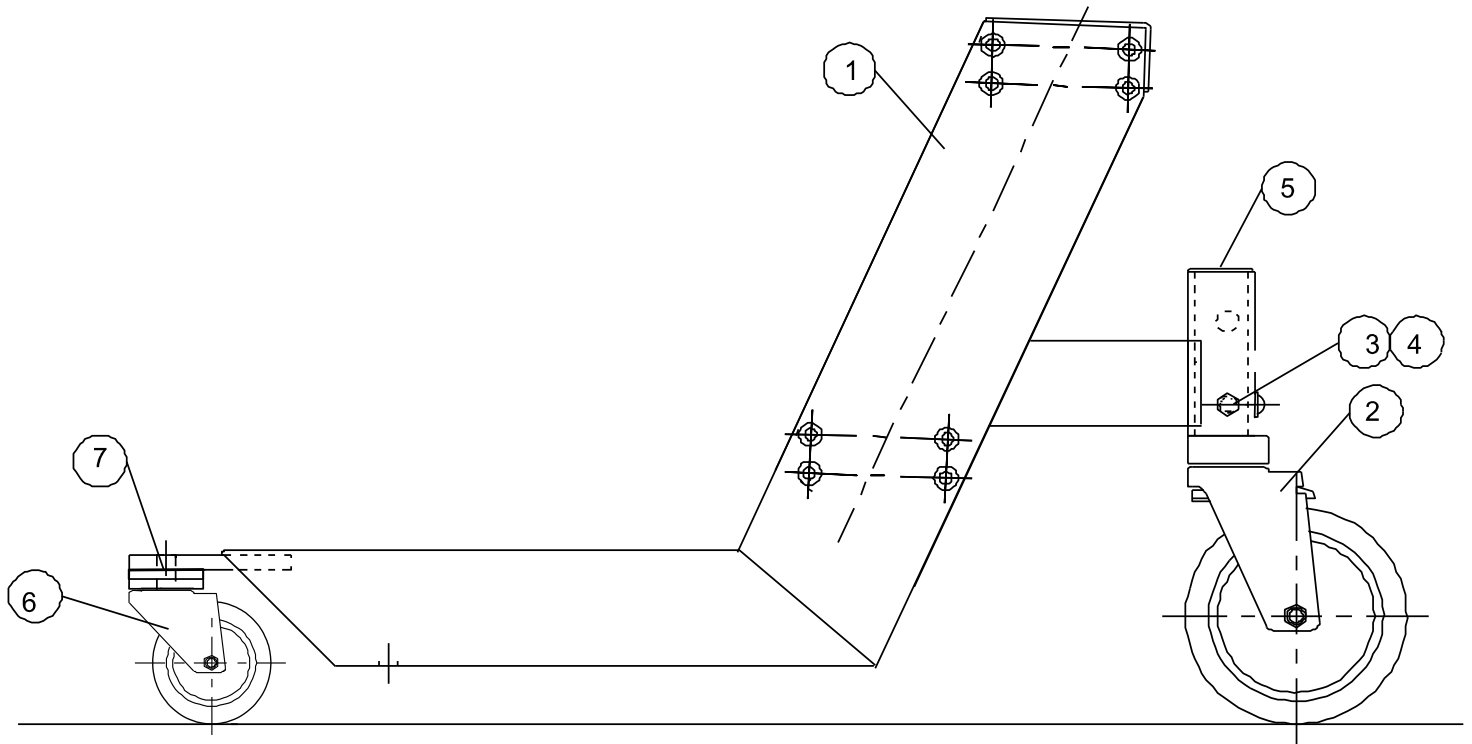
19361, 19362 and 19363 Powder Coated Paint-19561, 19562 and 19563 Stainless Steel

Item No.	Qty	Description	Part No.
1	1	Pair of Legs	See Above
2	2	Rear Wheels 150mm	19118
3	4	Screw	K6S M8x12 10.9 fzb
4	4	Washer	8.4 Steel fzb
5	2	Cap	13004
6	2	Front Wheel 100mm	20010-01
7	2	Screw	MC65 M12x30 fzb

Note: Consult Proposal for leg type provided



Legs (Low Built Dual Swivel Front Wheels)



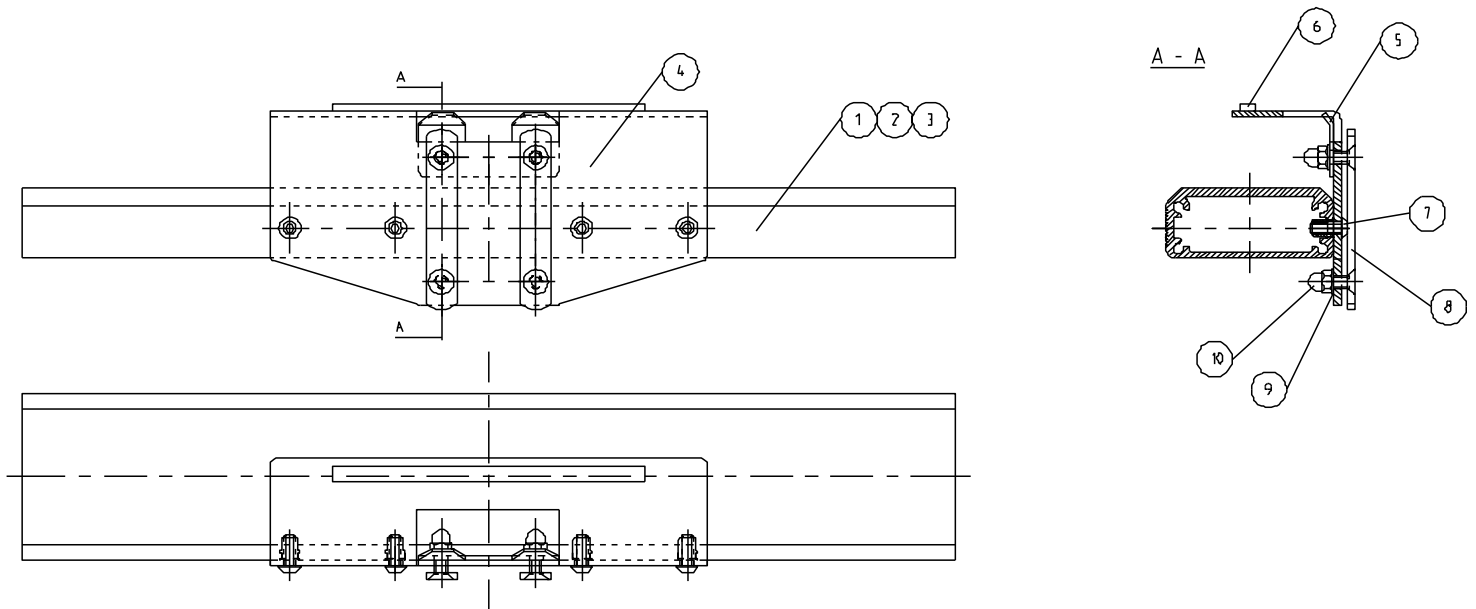
19351, 19352 and 19353 Powder Coated Paint-19551, 19552 and 19553 Stainless Steel

Item No.	Qty	Description	Part No.
1	1	Pair of Legs	See Above
2	2	Rear Wheels 100mm	17557
3	4	Screw	K6S M8x12 10.9 fzb
4	4	Washer	8.4 Steel fzb
5	2	Cap	13004
6	2	Screw	MC65 M12x30 fzb
7	2	Front Dual Wheels 56mm	20011-01

Note: Consult Proposal for leg type provided



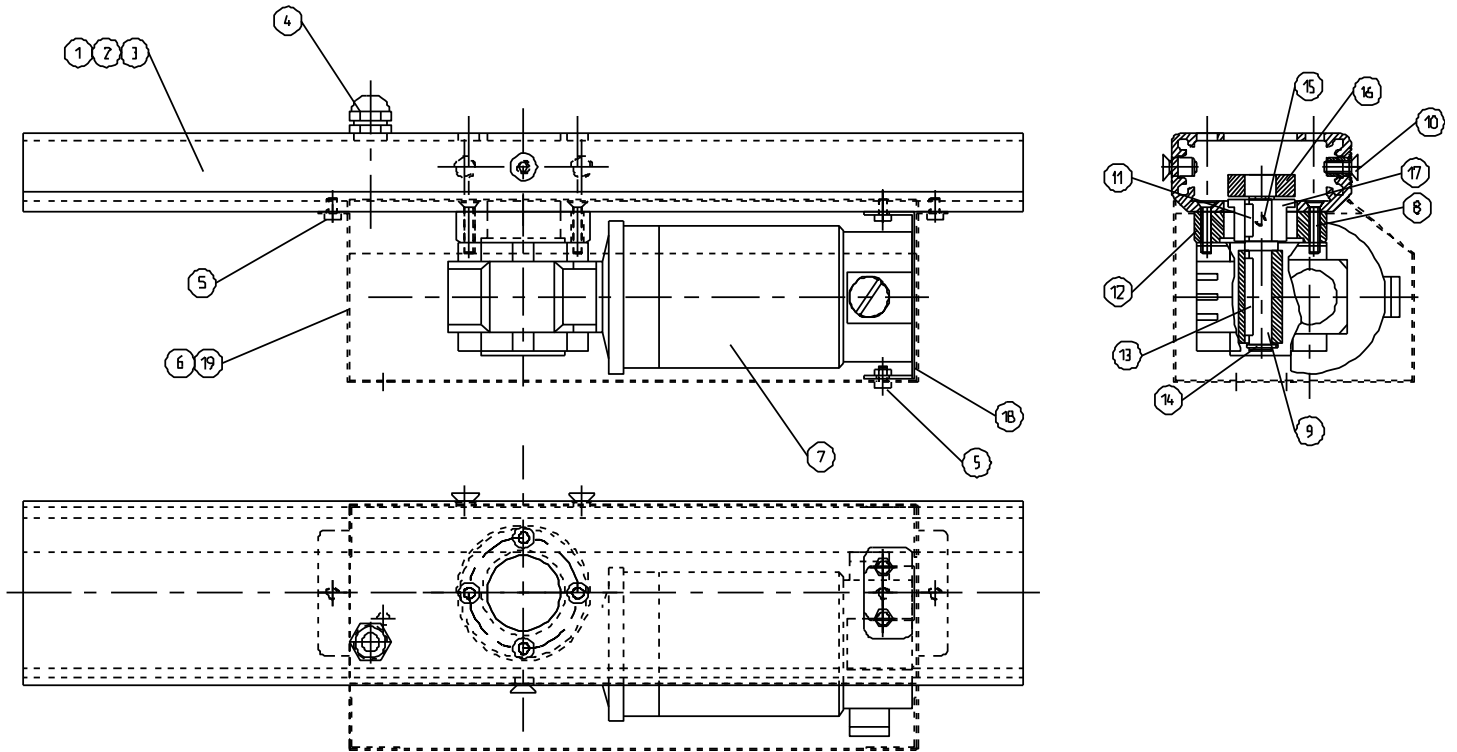
Upper Intermediate Section



Item No.	Qty	Description	Part No.
1	1	Upper Section 476	19188
2	1	Upper Section 600	19132
3	1	Upper Section 850	19189
4	1	Mast Bracket	19129
5	1	Power Pack Bracket	19130
6	1	Rubber Strip	10 x 5 – 0.02
7	4	Screw	K6S M8x20 FxB
8	2	Lock Bar	19134
9	4	Washer	BEB 8.4 HB200 FxB
10	4	Cap Nut	MHM M8-6 FxB



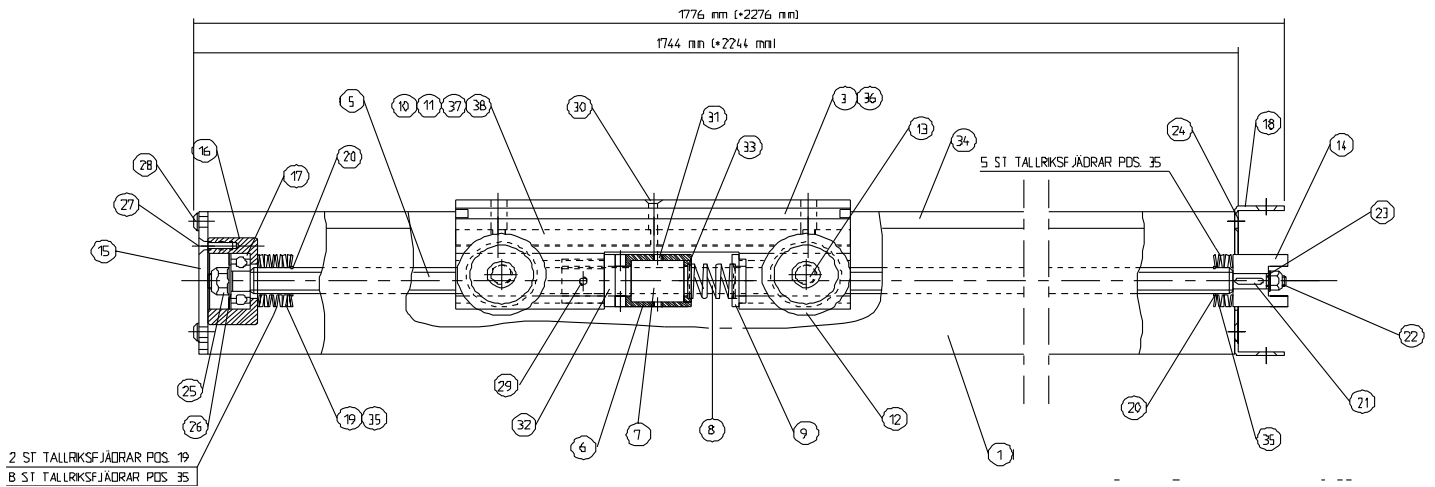
Lower Intermediate Section



Item No.	Qty	Description	Part No.
1	1	Intermediate Section-476	19157
2	1	Intermediate Section-600	19131
3	1	Intermediate Section-850	19158
4	1	Cable Nut 13.5	19165
5	2	Motor Screw	MCS M6x8 FxB
6	1	Motor Cover	19140
7	1	Gear Assembly (19000 – 1:20)	19262A
7A	1	Gear Assembly (19500 – 1:30)	19263A
7B	1	Motor	19265A
8	4	Screw	MF65 M6x30 FxB
9	1	Shaft	19119
10	3	Screw	FF6S M8x20 FxB
11	1	Key 5 x 5 x 20	19163
12	1	Motor ring	19108
13	1	Key 5 x 5 x 45	19164
14	1	Ring 14Ø	19162
15	1	Stop Screw	SK655 M6x10
16	1	Gear Ring 19-92	17551
17	1	Coupling 19-1	19120
18	1	Bracket	19159
19	1	Motor Cover - Narrow	19156



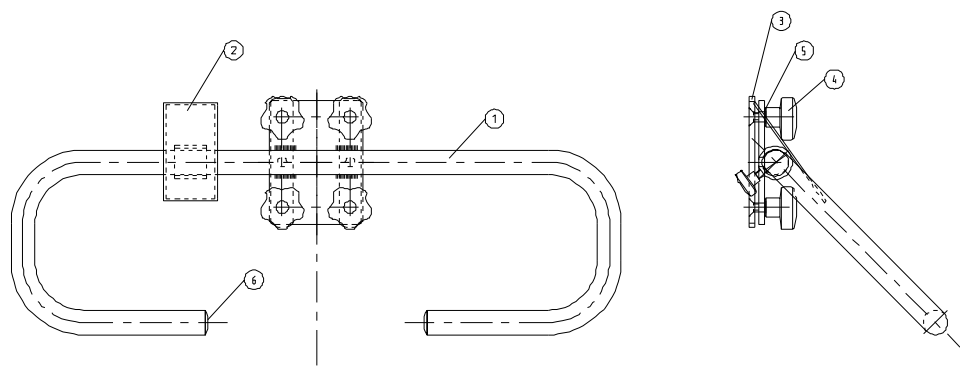
Mast



Item No.	Qty	Description	Part No.	Item No.	Qty	Description	Part No.
1	1	Mast 1730	19148	20	2	Lock Ring	19107
	1	Mast 2230	19149	21	1	Key 20x4	19151
	1	Mast L=2930	19253	22	1	Nut	LM 982 M8
2		NA		23	1	Washer	BRB 8.4 HB200 FxB
3	1	Slide 280	19106	24	4	Screw	MF65 M8x20 FxB
4		NA		25	1	Nut	LM 982 M12
5	1	Lift Screw 1766	19142	26	1	Washer	BRB 13HB 200 FxB
	2	Lift Screw 2266	19143	27	3	Screw	MFS M6x20 FxB
	1	Lift Screw L=2766	19252	28	4	Screw	K65 M8x20 FxB
6	1	Screw Coupling	19109	29	1	Stop Screw SK6SS	SK6SS M5x10
7	1	Nut	19150	30	1	Screw	MF6S M6x30 FxB
8	1	Spring	19105	31	1	Stop Screw T6SS	T6SS M6x6
9	1	Spring Guide	19112	32	1	Coupling	19110
10		NA		33	1	Spring Coupling	19111
11	4	Lock bar 3/8-280	19125	34	2	Brush	19172
12	4	Wheel	19115	35	13	Spring Washer 40x20x15	19175
13	1	Wheel Axle	19116	36	1	Slide 380	19176
14	1	Rotex Coupling	19121	37		N/A	
15	1	Top Cover	19113	38	1	Lock Bar 3/8 – 380	19178
16	1	Bearing Holder	19114				
17	1	Bearing	19102				
18	1	Bottom Cover	19128				
19	2	Spring Washer	19147				



Handle

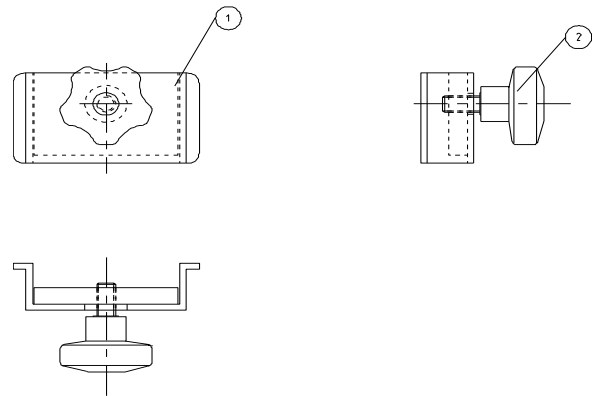


Part No. 19169

Item No.	Qty	Description	Part No.
1	1	Handle	19141
2	1	Velcro Plate	17255
3	2	Lock Bar	19134
4	4	Knob VCT. 40-6-M8	19166
5	4	Washer	BRB 8.4 HB 200fzb
6	2	Plug	22Ø

Lock-Upper Power Pack

Item No.	Qty	Description	Part No.
1	1	Bracket	19135
2	1	Knob VCT.400-M8x15	19146



10. DECLARATION OF CONFORMITY

Manufacturer	Pronomic AB Box 5504 192 05 Sollentuna Sweden
Model	LIFT-O-FLEX 19000 - 19500
Serial Number	
Static load test	

Authorized to compile the technical file	Samuel Pierre, Pronomic AB, BOX 5504, 192 05 Sollentuna, Sweden
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Applied EC directives:

2006/42/EC	Machinery Directive
2004/108/EC	EMC Directive

Applied standards:

SS-EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)
SS-EN 349+A1:2008	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body

We hereby declare that the above-referenced machine, built and equipped with attachments included in this manual, is in conformity with the applicable conditions state in the directives and standards.

Sollentuna, 2015-12-07



Joakim Stannow, Pronomic AB

The lifter has been modified and/or equipped with attachments as follows:

.....

.....

After modification a supplementary risk analysis has been performed and the machine is certified to be in conformity with the directives and standards above.

.....

Place, date



NOTES



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LIFT-O-FLEX

MOBI-Crane

 **inovomech**

 **Voyager**

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