



PLACE  
SERIAL  
NUMBER  
LABEL  
HERE

# LIFT-O-FLEX 20500HS LIFTER

## USER MANUAL

DOCUMENT ID: 06132018

Have Questions?

We're here for you.



+1 866 543 8635  
+1 704 847 2464



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.

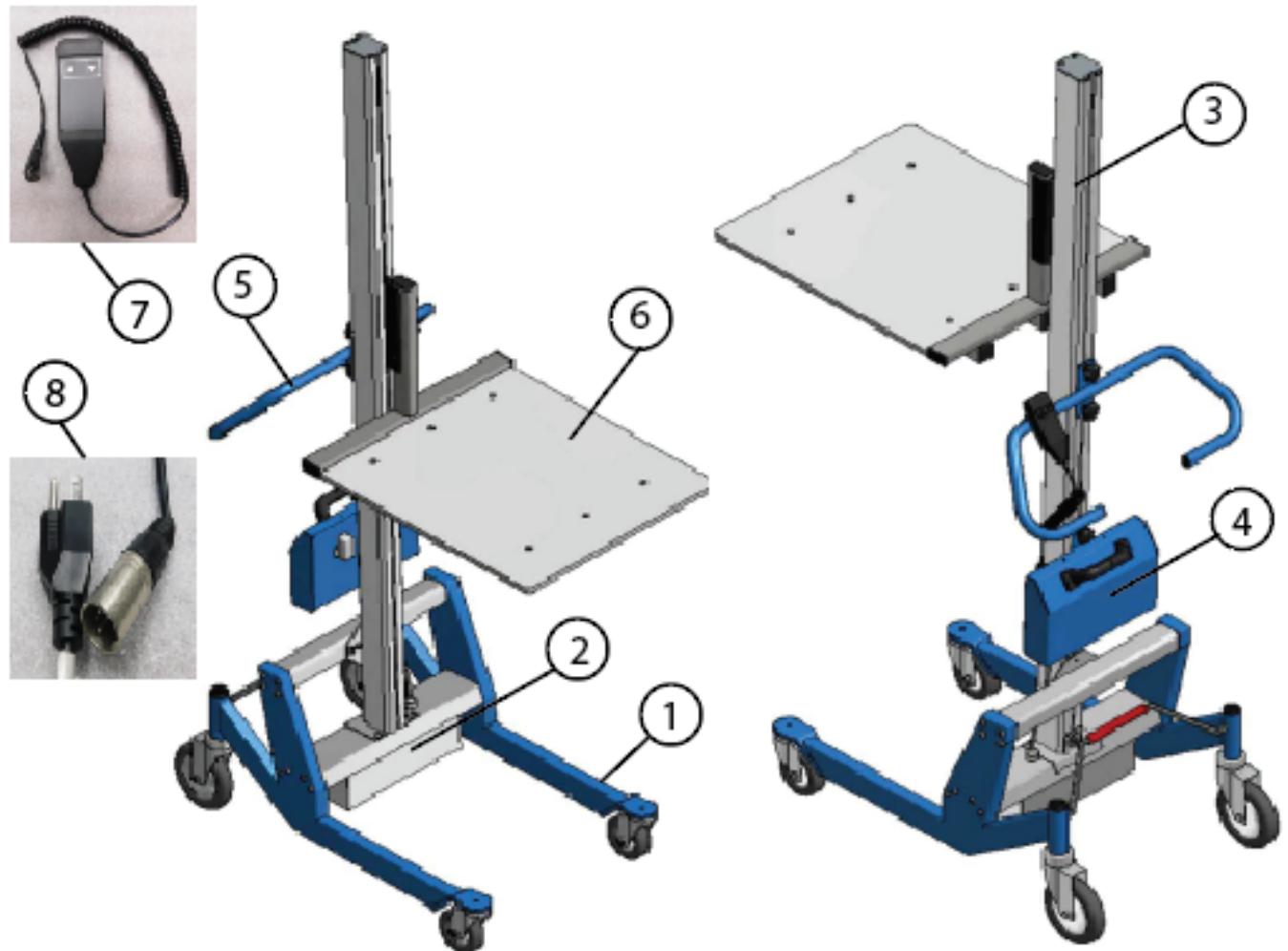
## Warranty Procedure

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

Each lifter is delivered either fully assembled or in modules. If delivered in modules, they are shipped in cardboard boxes.

#### **Assembly instructions for a partly assembled lifter (Intermediate section with legs and brake rod assembled)**

1. Place the lifter base on the floor. Items include:
  - Leg - Right Hand
  - Leg - Left Hand
  - Intermediate Section-Lower (with lift motor)
  - Intermediate Section-Upper (with mast slide)
  - Brake Rod

Note: Rear casters should be delivered with the wheels in the locked position.

2. Ease off the two nuts on the Mast Slide mounting bracket located at the rear of the Upper Intermediate Section above the Brake Rod, but do not remove them.
3. Pick up the lift mast and carefully insert the mast onto the mast slide on the Upper Intermediate Section and slide it down over the mounting slide. (A mounting slot is provided full length on the rear of the mast). Slide the mast into the lift motor coupling located at the bottom of the intermediate section. If the coupling does not sit properly, lift the mast up approximately 2" from the Lower Intermediate Section, lift up on the end-effector mounting yoke (this will turn the coupling on the lift mast) and push the mast into position. When properly seated, the lift mast base should be flush with the top of the Lower Intermediate Section.
4. Tighten up the two bolts at the rear of the Upper Intermediate Section with an open-end wrench (13 mm), **but not too hard.**
5. Take the Electronic Power Pack and insert the mounting tabs into the top of the slot at the rear of the Lift Mast. Next, lower it until it stops and tighten the two bolts with an open end wrench (13 mm). Plug the motor cable into its outlet on the Electronic Power Pack.
6. Take the handle and insert the mounting tabs into the top of the slot on the backside of the lift mast and slide it down to a comfortable position and lock it in place. Make sure that the remote control holder is placed on the handlebar in a good position. Then place the remote control on the remote control holder in the keyhole slot and plug in the controller to the electronic power pack.

The lifter is now ready to operate.



## **Assembly instructions for a completely disassembled lifter**

1. Place the lifter base components on the floor. Items include:

- Leg - Right Hand
- Leg - Left Hand
- Intermediate Section-Lower (with lift motor)
- Intermediate Section-Upper (with mast slide)
- Brake Rod

Note: Rear casters should be delivered with the wheels in the braked position. Insure they are in this position prior to assembly.

2. Assemble the Lower Intermediate Section and Upper Intermediate Section to one leg. The Lower Intermediate Section should have the motor cable on the left side if you are standing at the rear of assembled lifter. The Upper Intermediate Member should be assembled with the Mast Mounting bracket facing the front of the lifter if you are standing at the rear of the assembled lifter. Insert and loosely tighten (8) M8 x 50mm button head bolts as shown below. Do Not Tighten.



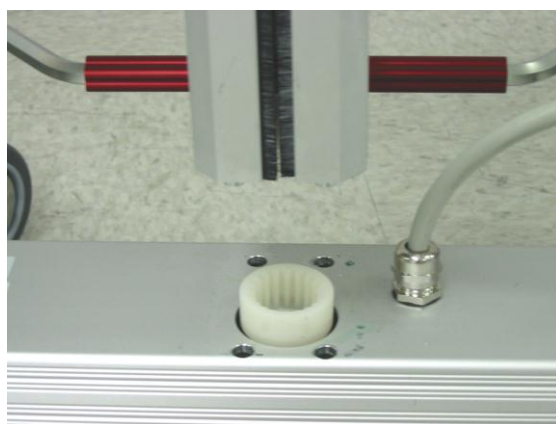
3. Next turn the intermediate section(s) with one leg attached on its side and insert the brake rod at a forward angle horizontal to the floor (the wheels are now in the braked position) into the hexagon hole situated above the wheel. Take the next leg and insert the brake rod into its hexagon hole located above the wheel and secure the leg with the screws as described above. Check to make sure both rear casters are in the braked position prior to bolting final leg to intermediate section.
4. After assembly, prior to installing the mast, place lifter base on a flat surface and tighten the button head bolts ensuring that all wheels are in contact with the floor. **Do Not Over tighten.**



5. Ease off the two nuts on the Mast Slide mounting bracket located at the rear of the Upper Intermediate Section above the Brake Rod, but do not remove them.
6. Pick up the lift mast and carefully insert the mast onto the mast slide on the Upper Intermediate Section and slide it down over the mounting slide. (A mounting slot is provided full length on the rear of the mast). Slide the mast into the lift motor coupling located at the bottom of the intermediate section. If the coupling does not sit properly, lift the mast up approximately 2" from the Lower Intermediate Section, lift up on the end-effector mounting yoke (this will turn the coupling on the lift mast) and push the mast into position. When properly seated, the lift mast base should be flush with the top of the Lower Intermediate Section.



Sliding Mast into Mounting Bracket

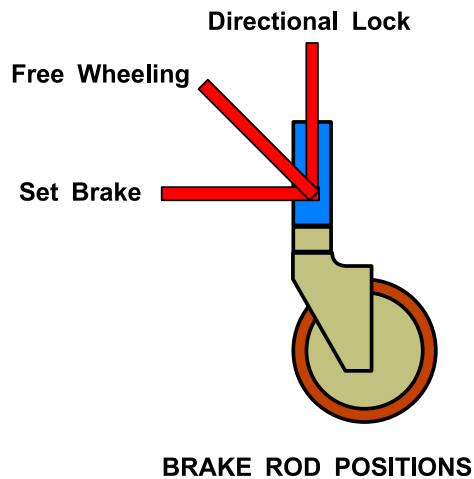


Lift Motor Coupling

7. Tighten up the two bolts at the rear of the Upper Intermediate Section with an open-end wrench (13 mm), **but not too hard.**
8. Take the Electronic Power Pack and insert the mounting tabs into the top of the slot at the rear of the Lift Mast. Next, lower it until it stops and tighten the two bolts with an open end wrench (13 mm). Plug the motor cable into its outlet on the Electronic Power Pack.
9. Take the handle and insert the mounting tabs into the top of the slot on the backside of the lift mast and slide it down to a comfortable position and lock it in place. Make sure that the remote control holder is placed on the handlebar in a good position. Then place the remote control on the remote control holder in the keyhole slot and plug in the controller to the electronic power pack. The lifter is now ready to operate.



**Follow the instructions from 4.1 Assembly for a partly assembled lifter.**



## 4.2 DISASSEMBLY

To disassemble the lifter, refer to item 4.1 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

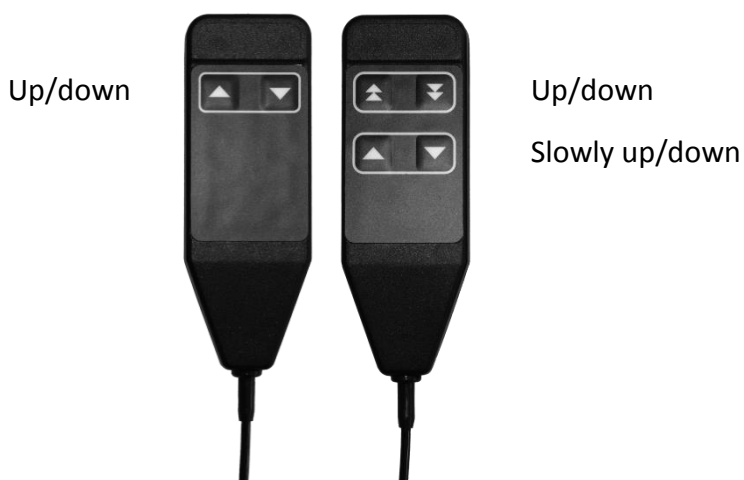
The height of the handlebar can easily be adjusted by loosening the quick disconnect knobs and sliding the handlebar to the desired position. After adjustment, tighten the quick disconnect knobs. To obtain the best working conditions, it is important to adjust the handle to a comfortable level. During 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.



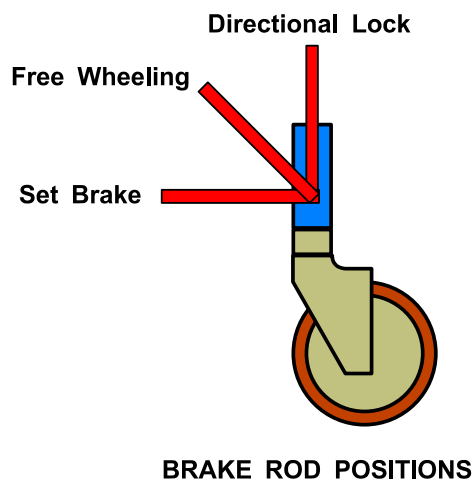
The remote control should be placed to allow the user to easily press the buttons. The bracket for the remote control is fitted to the handlebar. The bracket can easily be moved by turning the black knob counter-clockwise. The bracket can be locked in any position on the handle by turning the knob clockwise. 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
<b>CE Decal</b>	Decal with CE mark and year of manufacture	At the back of the intermediate
<b>Serial Number</b>	Decal with serial number	At the back of the intermediate & at the bottom on one side of the lift mast
<b>Model</b>	Decal with text stating the model of the lifter	At the back of the lift mast
<b>Maximum Load</b>	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
<b>Do Not Step, Do Not Stand Under Platform, Charge @ Night</b>	Decal with Do Not Step, Do Not Stand Under Platform, Charge @ Night	On the top of the intermediate
<b>Moving / Unloading</b>	Decal with moving and unloading instruction	On the top of the intermediate
<b>Brake Positions</b>	Decal with brake positions	At the back of the power pack
<b>Safety Information</b>	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.

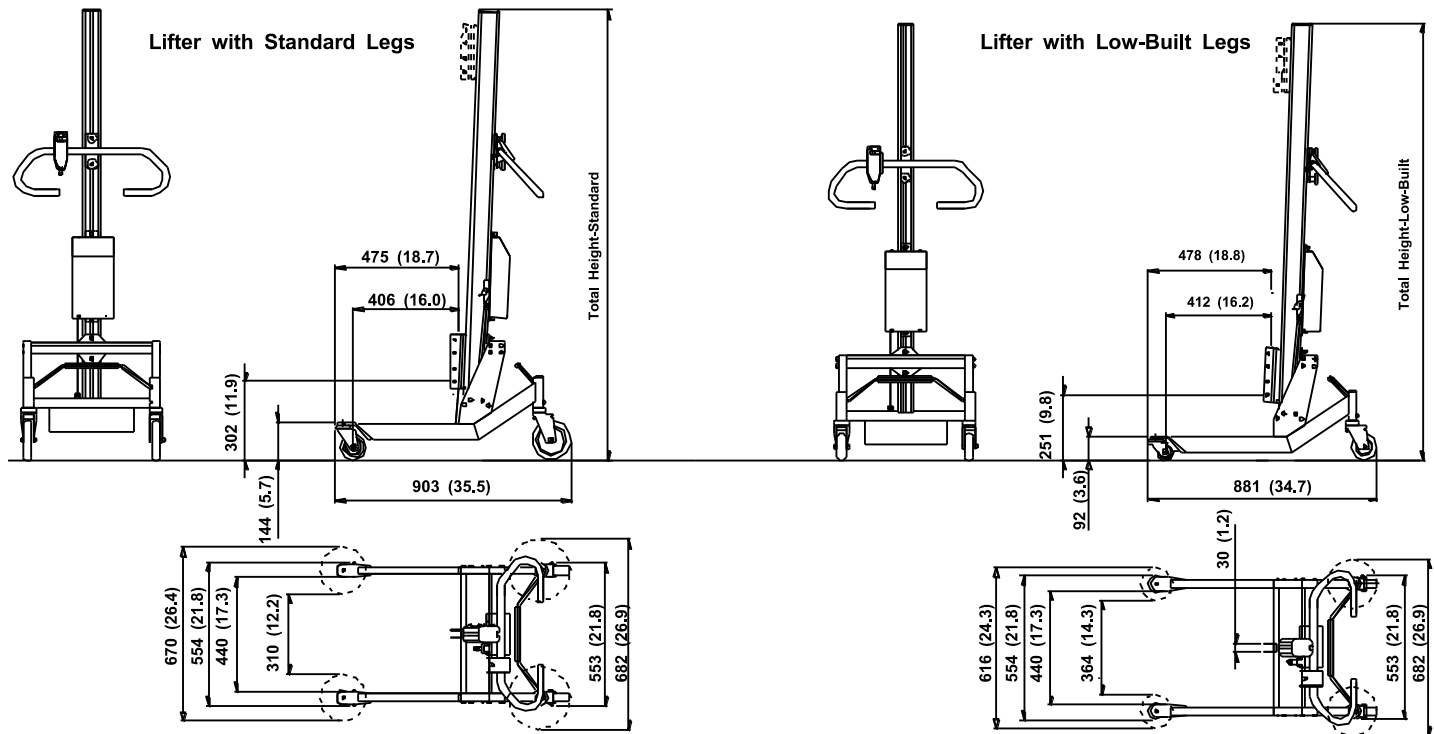
### **If the load carrier does not move or moves very slowly:**

- 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

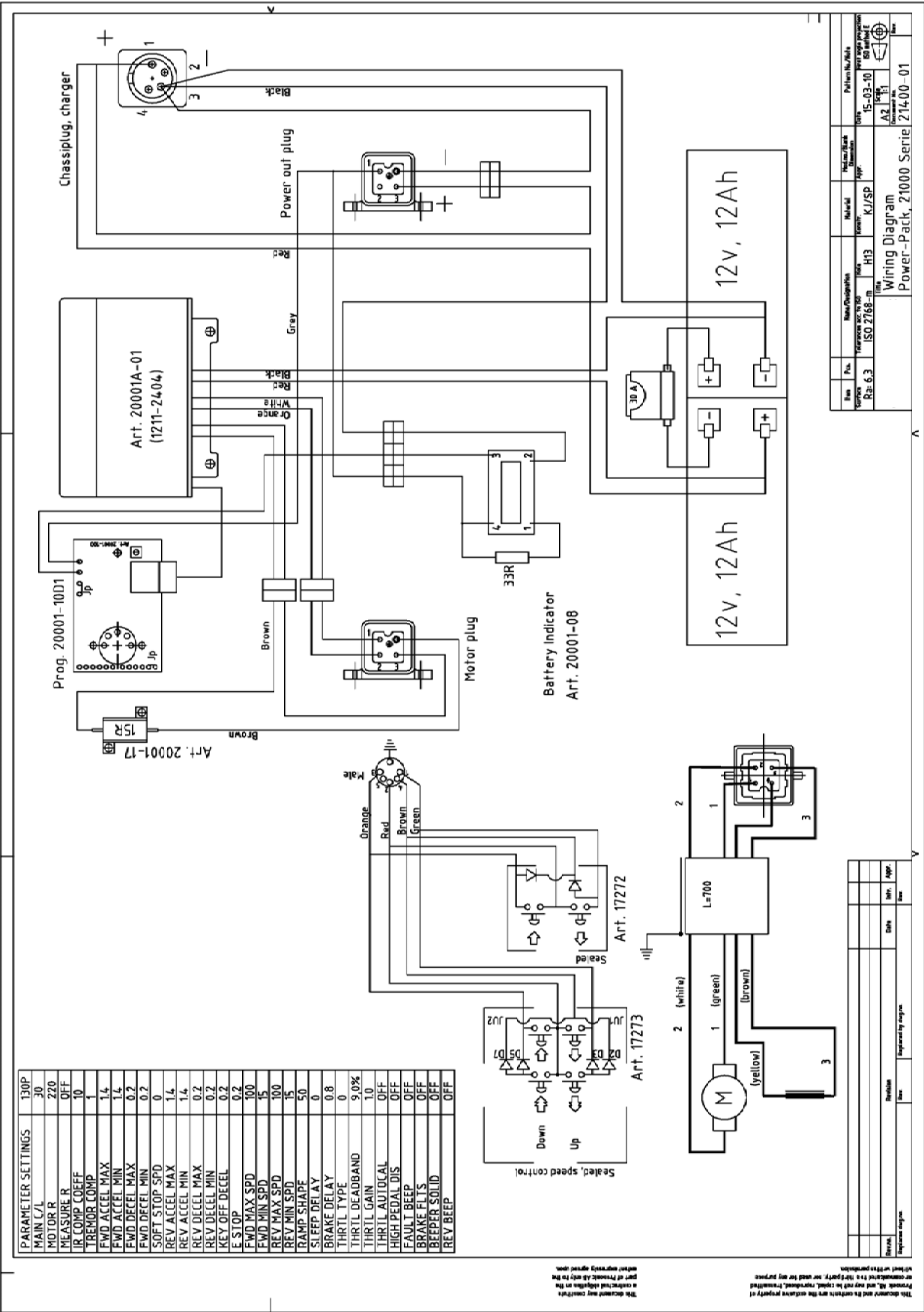


**NOTE:** Custom Lift-O-Flex® solutions can be designed specifically for your application

Technical Specification:		
Floor to top of Mast Standard Legs	Floor to top of Mast Low Built Legs	Lift Stroke
<b>20500 Series</b>		
1732mm (68.1")	1681mm (66.1")	1160mm (45.67")
1982mm (78.0")	1931mm (76.0")	1410mm (55.5")
2232mm (87.8")	2181mm (85.8")	1670mm (65.35")
2432mm (95.7")	2381mm (93.7")	1860mm (73.2")
2732mm (107.5")	2681mm (105.5")	2159mm (85")
Minimum Lift Height	~40mm (~1.7")	
Lift-Speed 20500 HS Series	79mm/sec (5.2"/sec)	
Legs-Standard	Std Length 903mm (35.5")-Long 1103mm (43.5")	
Legs-Low Profile	Std Length 881mm (34.6")-Long 1081mm (42.5")	
Wheel Material	Polyurethane/Rubber	
Overall Length Standard/Low Profile	Std-904mm (35.5")/Low Profile 881mm (34.6")	
Wheel Diameter (Front/Back) Standard	100mm (3.9")/150mm (5.9")	
Wheel Diameter (Front/Back) Low built	60mm (2.3")/100mm (3.9")	
Width: Outside	Std-554mm (21.8") Wide 964mm (38")	
Noise level	>70dB(A)	
Maximum Load 20500 HS Series	130Kg (285-lbs)	
Lifter Weight w/o End-Effector	38Kg (84-lbs)	
Battery Type	Sealed Lead Acid	
Battery Voltage	24V, 2Amp	
Battery Capacity	12 AHr	
Recharge Time	6-8 Hours	
Lifter 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
R7108	Battery set
19265A	Lift motor
15:1	Lift gear
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



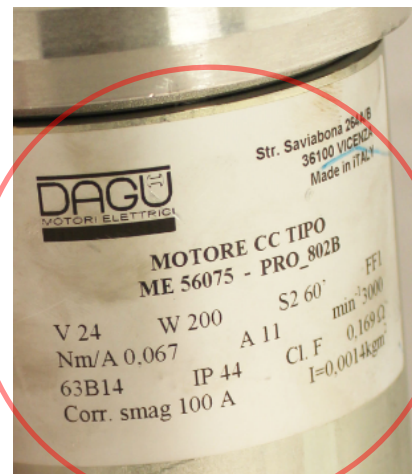
**2403SRL** Battery charger



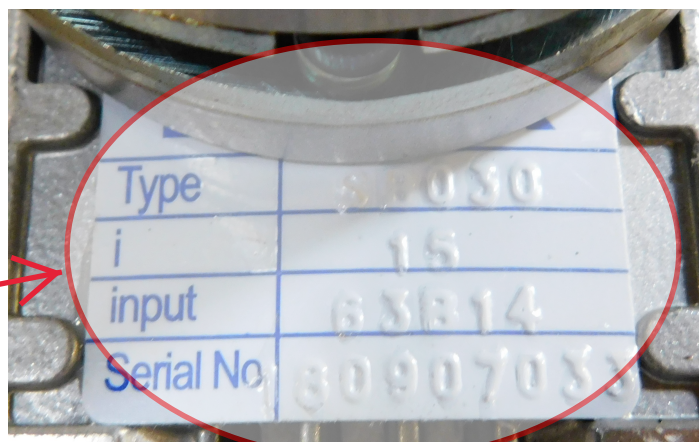
**R7108** Battery Set



**19265A** (2) Lift Motor



**15:1** Gear v3



*(continued on the next page)*





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



**17557** Low built rear caster; free swivel; 4in



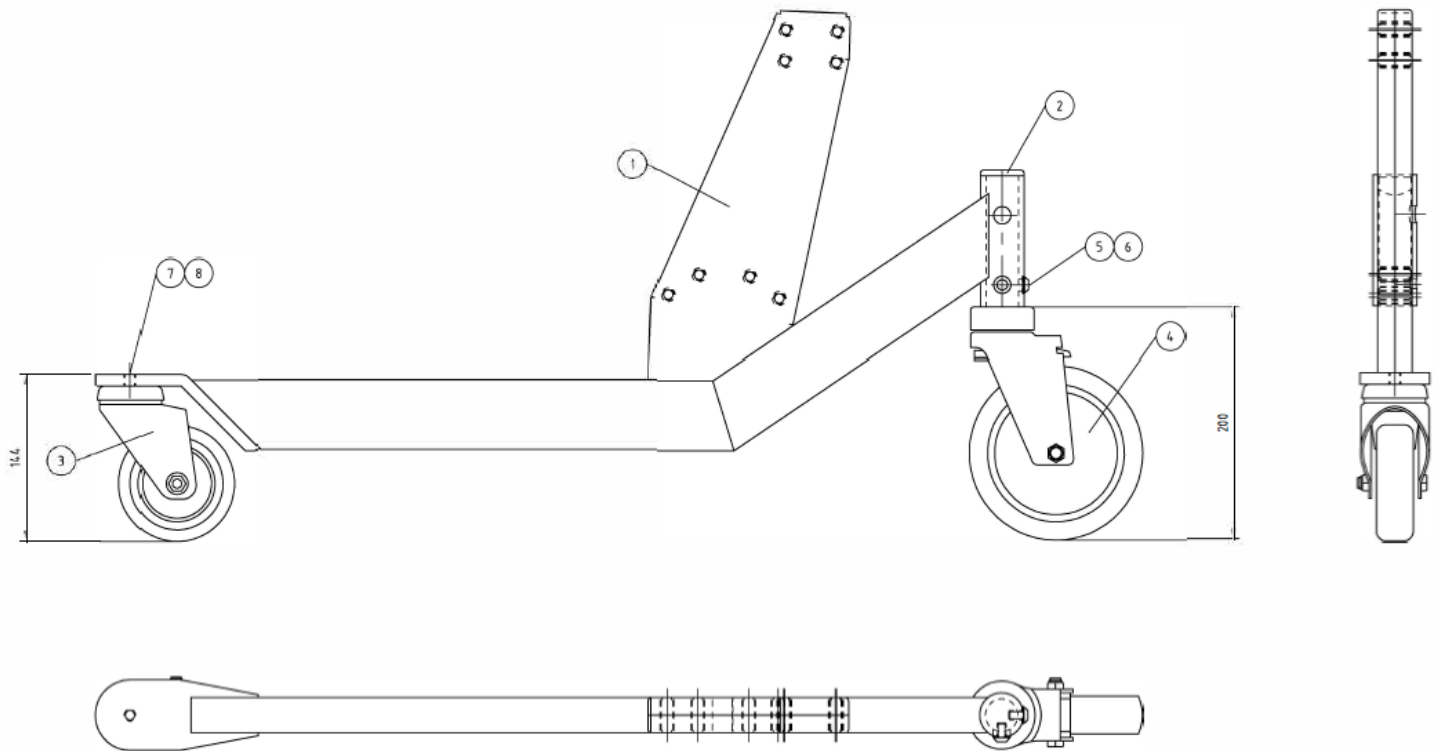
**20010-01** Standard front caster; free swivel; 4in



**19118** Standard rear caster; free swivel; 6in



## Legs (Standard Built-Single Swivel Front Wheel)



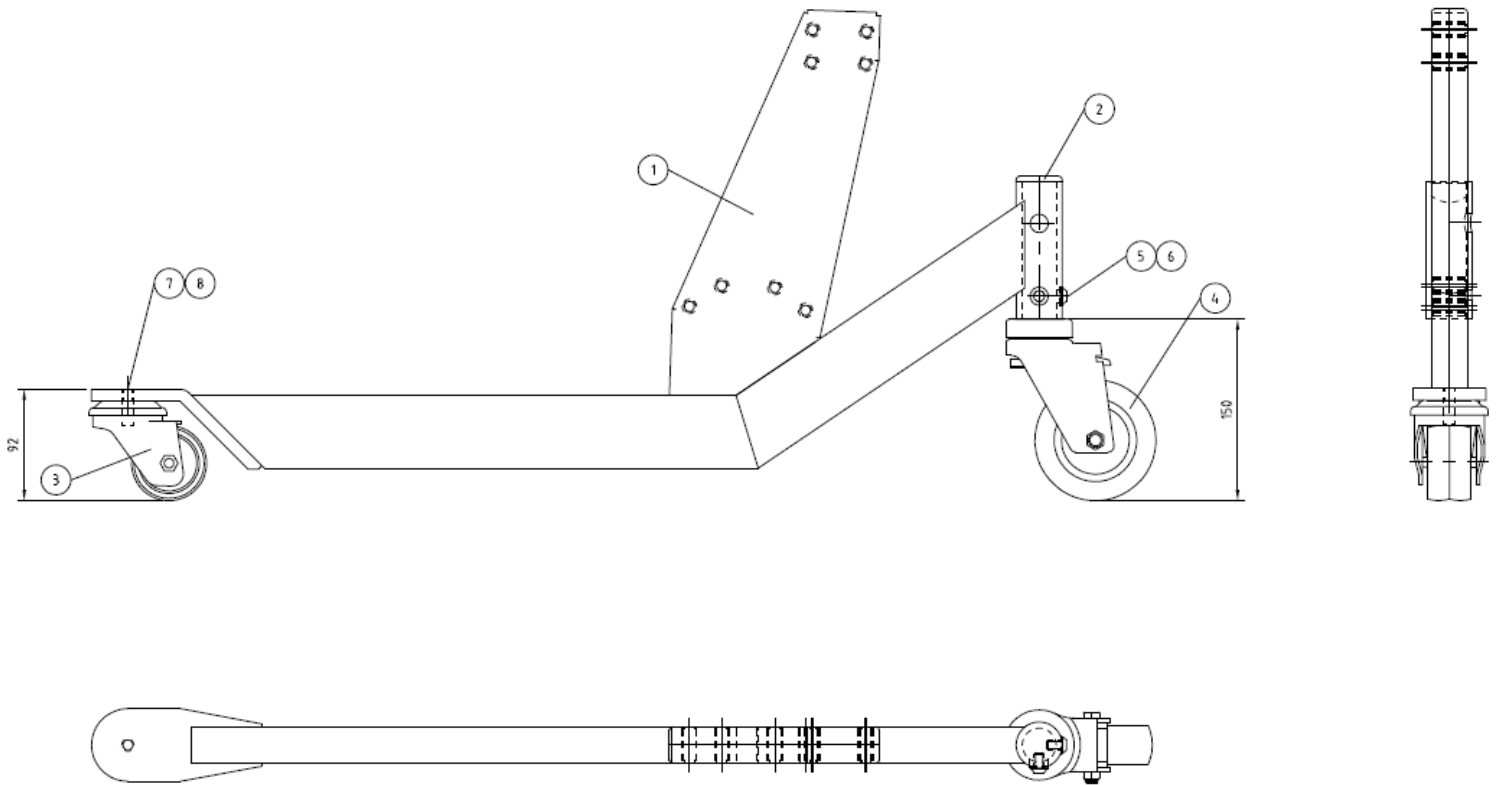
20010, 20012 and 20014 Powder Coated Paint- 20054, 20029 and 20056 Stainless Steel

Item No	Qty	Description	Powder Coat Part No.		
			20010	20012	20014
8	2	Washer	BRB 10.5 fzb		
7	2	Screw	MC6S M10x20 8.8 fzb		MC6S M10x20 10.9 fzb
6	4	Screw	K6S M8x12 10.9 fzb		K6S M8x12 fzb
5	4	Washer	IZ 8.4 steel fzb		
4	2	Rear wheel 150 with brake	19118		
3	2	Front wheel 100	20010-01		
2	2	End cover 38/28	13004		
1	2	Legs	20020	20012-01	20014-01
Item No	Qty	Description	Stainless Steel Part No.		
			20054	20029	20056
8	2	Washer	BRB 10.5 A2/A4		
7	2	Screw	MC6S M10x20 8.8 A2/A4	MC6S M10x20 A2/A4	MC6S M10x20 A2/A4
6	4	Screw	K6S M8x12 10.9 A2/A4		K6S M8x12 A2/A4
5	4	Washer	IZ 8.4 A2/A4		IZ 8.4 steel A2/A4
4	2	Rear wheel 150 with brake	19118		
3	2	Front wheel 100	20010-01		
2	2	End cover 38/28	13004		
1	2	Legs	20050	20029-01	20056-01

**Note: Consult Proposal for leg type provided**



## Legs (Low Built Dual Swivel Front Wheels)



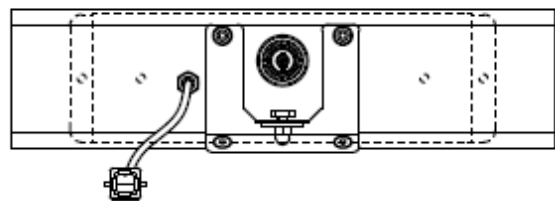
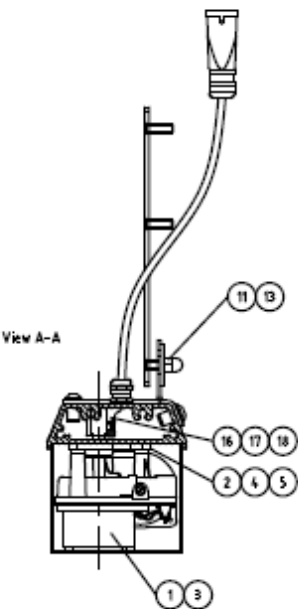
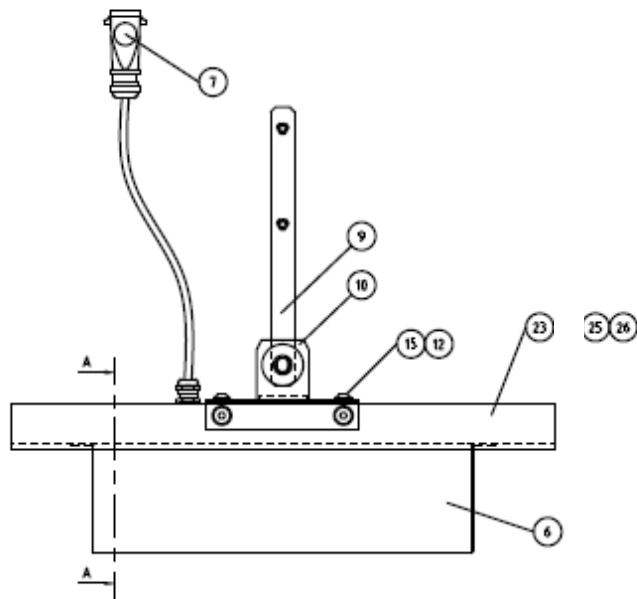
20011, 20013 and 20015 Powder Coated Paint- 20051, 20036 and 20057 Stainless Steel

Item No	Qty	Description	Powder Coat Part No.		
			20011	20013	20015
8	2	Washer	BRB 10.5 fzb		
7	2	Screw	MC6S M10x30 8.8 fzb		MC6S M10x30 10.9 fzb
6	4	Screw	K6S M8x12 fzb		
5	4	Washer	IZ 8.4 fzb		
4	2	Rear wheel 100 with brake	17557		
3	2	Front wheel 60	20011-01		
2	2	End cover 38/28	13004		
1	2	Legs	20020	20012-01	20014-01
Item No	Qty	Description	Stainless Steel Part No.		
			20051	20036	20057
8	2	Washer	BRB 10.5 A2/A4		
7	2	Screw	MC6S M10x30 A2/A4		
6	4	Screw	K6S M8x12 A2/A4		
5	4	Washer	IZ 8.4 A2/A4		
4	2	Rear wheel 100 with brake	17557		
3	2	Front wheel 60	20011-01		
2	2	End cover 38/28	13004		
1	2	Legs	20050	20029-01	20056-01

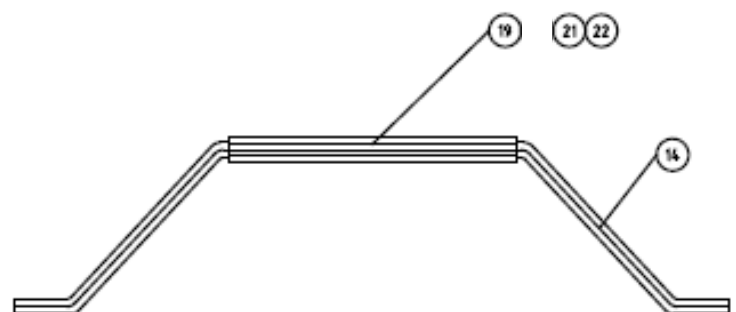
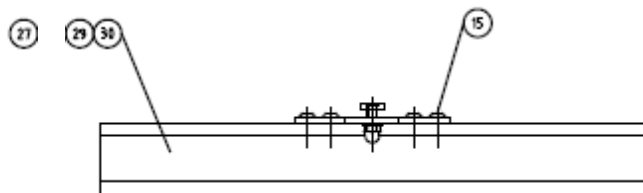
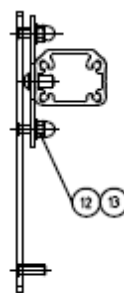
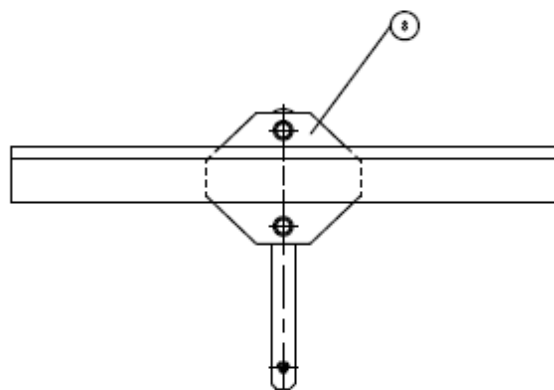
**Note: Consult Proposal for leg type provided**



Intermediate Section



*(Part #'s on the next page)*

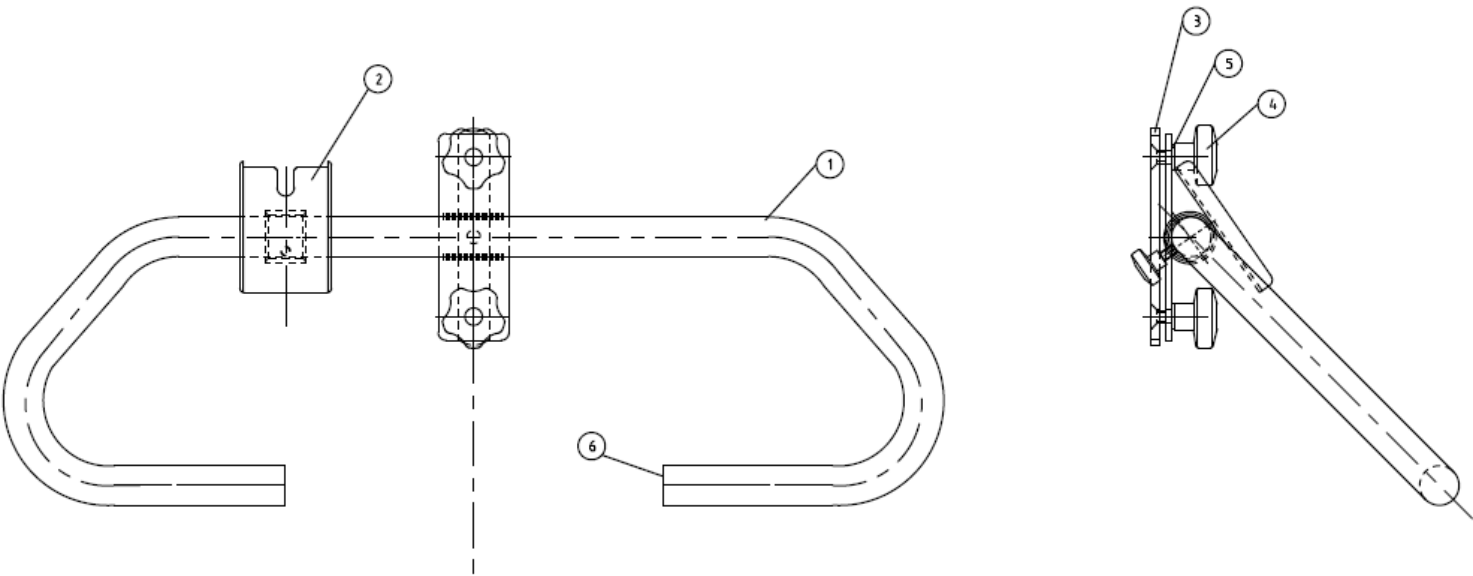


## Intermediate Section

Variant	21303	21302	21300	Item No	Qty	Description	Length	Part No
	1			30		Upper cross member	L=1300	20034-03
		1		29		Upper cross member	L=870	20031-03
			1	27		Upper cross member	L=460	20030-03
	1			26		Lower cross member	L=1300	20236-01
		1		25		Lower cross member	L=870	20231-01
			1	23		Lower cross member	L=460	20230-01
	1			22		Brake rod, al profile	L=1040	17111
		1		21		Brake rod, al profile	L=610	17111
			1	19		Brake rod, al profile	L=200	17111
				18	1	Screw		T6SS M5x6 fzb
				17	1	Coupling		15102A
				16	1	Wedge 3x3.7		18118
				15	8	Screw		K6S M8x20 10.9 fzb
				14	2	Bent bar		17205
				13	3	Nut		MHM M8-MK fzb
				12	6	Washer		BRB 8.4 HB 200 fzb
				11	1	Washer		SRKB 9x35x3 fzb
				10	1	Bracket for column		20030-09
				9	1	Locking plate		20030-10
				8	1	Bracket for column		20030-04
				7	1	Electrical schematics		15108A
				6	1	Moto cover		20030-02
				5	5	Screw		MC6S M6x10 10.9 fzb
				4	3	Screw		MF6S M6x20 10.9 fzb
				3	1	Coil		17123
				2	1	Bracket for motor		16014
				1	1	Motor		19265A
				1	1	Gear (15:1)		19277-01



Handle



			Powder Coat Part No.	Stainless Steel Part No.
Item No	Qty	Description	17280A	17480A
6	2	End cover 25	19169-03	
5	2	Washer	BRB 8.4 HB 200 fzb	
4	2	Lock knob VCT.40 B-M8	19166	
3	1	Screw bar	19228	
2	1	Bracket remote control	17201A	17202A
1	1	Handle	Dwg 17280-03	Drw 17480-03

# 10. DECLARATION OF CONFORMITY

Manufacturer	Pronomic AB Box 5504 192 05 Sollentuna Sweden
Model	LIFT-O-FLEX 20500HS
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







# LIFT-O-FLEX

MOBI-Crane



Inovomech



Voyager

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