

LIFT-O-FLEX® 19000 Series (19000, 19500) Manual



LIFT-O-FLEX® 19000 SERIES

Lifter Serial Number: _____
Lift Mast Serial Number: _____
Intermediate Member Serial No: _____
Power Pack Serial No: _____

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1 Introduction

LIFT-O-FLEX® is a registered trademark of RonI Inc, Charlotte NC.

NOTE: It is important that you read and fully understand this manual before using your Lift-O-Flex® Lifter. If you have any questions contact your distributor or the manufacturer.

GENERAL DATA

- | | |
|--|---|
| <ul style="list-style-type: none"> • Type • Total Lift Capacity | <p>LIFT-O-FLEX® 19000 Series</p> <ul style="list-style-type: none"> • 19000 Series - Maximum 350-lbs (includes weight of load and end-effector) • 19500 Series – Maximum 500-lbs (includes weight of load and end-effector) • 19700 Series – Maximum 700-lbs (includes weight of load and end-effector) • Custom Configurations Available with maximum weights as labeled (includes weight of load and end-effector) |
| <ul style="list-style-type: none"> • Certification • Material | <ul style="list-style-type: none"> • CE Marked • Lifter Legs: Steel or Stainless Steel • Intermediate Sections: Aluminum – Anodized • Lift Mast: Aluminum – Anodized • Handlebar/Electronic Power Pack Cover: Steel or Stainless Steel |
| <ul style="list-style-type: none"> • Lifter Weight (excluding End-Effector) | <ul style="list-style-type: none"> • End-Effector: Stainless Steel (304), Aluminum, Other • ~170-lbs: 19000 Series • ~180-lbs: 19500 Series • ~200-lbs: 19700 Series |
| <ul style="list-style-type: none"> • Weighted average for vibrations during operation • Operational Sound Level • Declaration of Conformity • Labeling | <ul style="list-style-type: none"> • Not to exceed 2.5 m/s² • Not to exceed 70 dB (A) • Delivered with each lifter • Manufacturer • Year of Manufacture • Serial Number |

WORKING ENVIRONMENT: The LIFT-O-FLEX® is intended to assist you with lifting loads where a fork truck would be considered too heavy and cumbersome. You will not only be able to prevent work injuries, but also increase productivity.

FLEXIBLE: The LIFT-O-FLEX® will lift just about anything with a maximum weight as noted above. The lifter can be equipped with forks, platforms, etc. in order to fit your needs and applications.

SAFETY: LIFT-O-FLEX® is ergonomically designed, which in itself becomes a passive safety factor.

Active safety consists of the following: The load platform will stop when lowered onto an object. Overloading of the platform is not possible because the platform will automatically stop if load exceeds preset limits.

An easy to use brake-locking mechanism allows for three modes of operation. Locking in position of the rear wheels, free wheeling and directional locking that minimizes the risk for unintended movements and thus injuries.

Large castors, directional locks and compact size makes the LIFT-O-FLEX ® very easy to maneuver in tight areas.

The handlebars are designed to protect your hands should you engage an edge, wall or object.

SERVICE: The LIFT-O-FLEX® is constructed to be as easy to service as possible. Moving parts, batteries and the electronics are easy to access. This manual consists of not only instructions but also a spare part list with drawings. The LIFT-O-FLEX® is built in modules making service possible with component exchange.

RECYCLABLE: The LIFT-O-FLEX® is manufactured of recyclable and therefore environmentally friendly materials. We do not use batteries with nickel cadmium but rather environmentally friendly gel cell batteries that are valve regulated and maintenance free. Your selection of our lifting device therefore takes consideration of the environment.

When discarding, deposit frame together with the batteries at appointed stations (varies from country to country) in order to ensure recycling and safe handling of the all the parts of the product.

2 Safety

- Before use, read the manual in order to enjoy the lifter fully.
- Do not use to lift people.
- Charging the batteries on the lifter shall be done in a dry and dedicated area where an electrical outlet is located.
- **Do not use the lifter while charging.**
- Always lock the wheels when loading or off-loading.
- When moving the lifter, the end-effector is to be at its lowest possible height.

3 Warranty

The warranty is valid for one (1) year from delivery for material and manufacturing defects.

The warranty for the batteries is valid for one (1) month after delivery.

In order for the warranty to be valid, the lifter must have been maintained according to instructions. This warranty does not cover normal maintenance, adjustments or regular adjustments according to the instructions.

Damages due to recklessness use or incorrect use of the equipment automatically voids the warranty.

4 Product Overview

19000 Masts

- 19152-54" Lift Stroke-(78.8"/76.75") OAH
- 19153-73.75" Lift Stroke-(98.5/96.5") OAH
- 19153US-71" Lift Stroke-(93.75") OAH (Low Built Legs)
- 19251-93.25" Lift Stroke-(118.25/116.25") OAH

19500 and 19700 Masts

- 19152HD-49.75 Lift Stroke-76.75" OAH
- 19153HD-69.5" Lift Stroke-96.5" OAH
- 19153HD-US-66.75" Lift Stroke-93.75" OAH
- 19251HD-89" Lift Stroke-116.25" OAH

Custom Lift Strokes Available

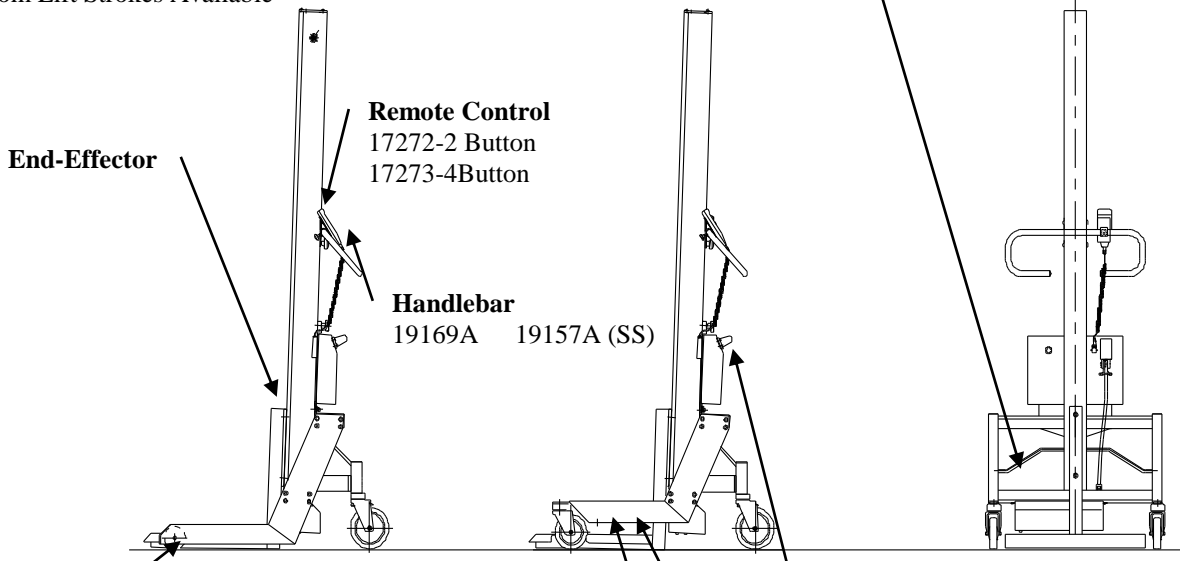
19000 Intermediate Sections

- 19184A-18.75" Long
- 19173A-23.62" Long
- 19185A-33.46" Long*

19500 and 19700 Intermediate Sections

- 19505-18.75" Long
- 19506-23.62" Long
- 19507-33.46" Long

Custom Widths Available



Low Built Legs-Fixed Front Wheel

- 19182-39.2" Overall Length 19187 (SS)
- 19243-45.1" Overall Length
- 19244-51" Overall Length

Electronic Power Pack

- 19139C-24V/16AHR 19257A-24V/16Ahr (SS)
- 19171C 24V/32Ahr 19279C-24V/32Ahr (SS)

Standard Built Legs-Single Swivel Front Wheels

- 19361-38.75" Overall Length 19561 (SS)
- 19362-46.62" Overall Length 19562 (SS)
- 19363-54.5" Overall Length 19563 (SS)

Low Built Legs-Dual Swivel Front Wheels

- 19351-37.8" Overall Length 19551 (SS)
- 19352-45.7" Overall Length 19552 (SS)
- 19353-53.6" Overall Length 19553 (SS)

Note: Mast lengths (XXXX"/XXXX") indicate standard legs first, low built legs second.

5 Assembling instruction

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 mast, power pack and handle will need to be mounted to the frame.

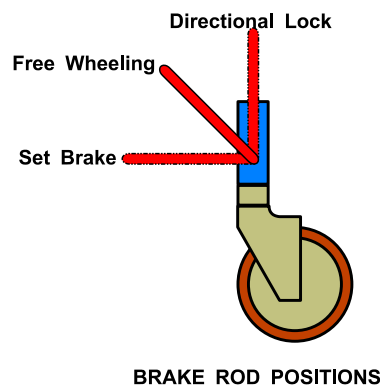
5.1 Assembling the Frame.

Tools: 1 Allen wrench key size 5 mm.

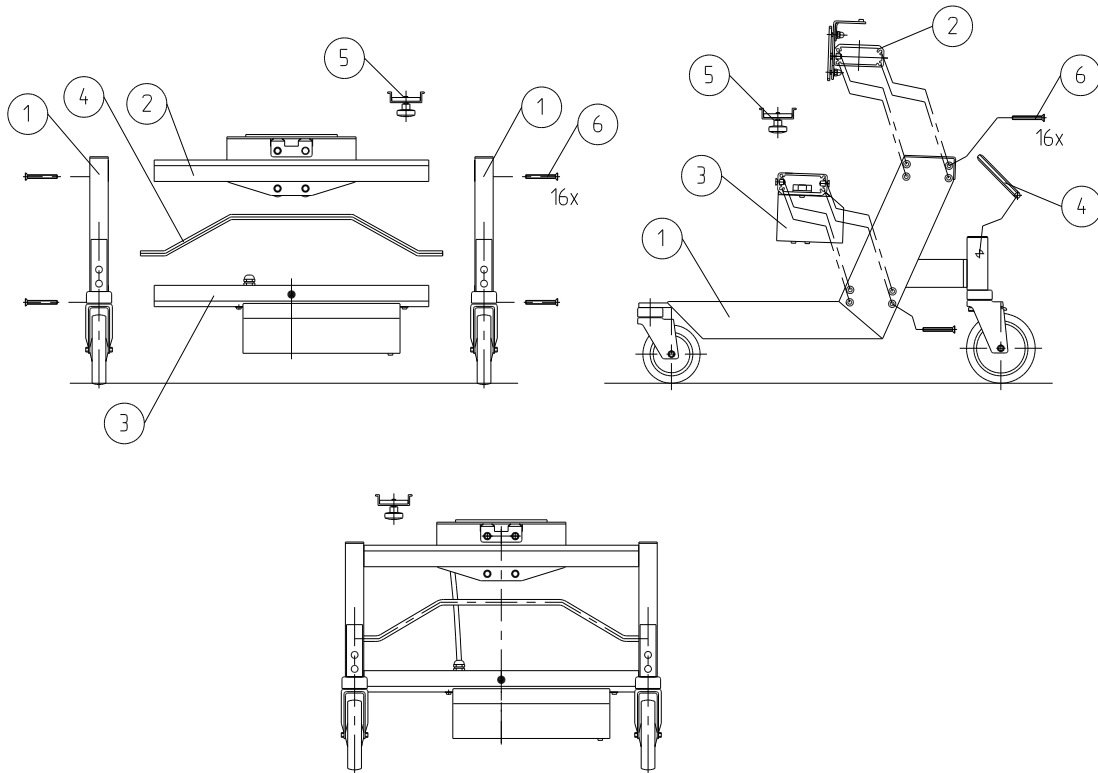
Bolts: 16 pieces-M8x70 mm (6)

Modules: 1 pair of legs (1), 1 piece-Upper Intermediate Section (2), 1 piece-Lower Intermediate Section (3), 1 piece-Brake Rod (4), 1 piece-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 below) 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 pieces. 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!



Attention! It may be necessary to retighten the bolts after some use.



5.2 Assembling the End-Effector and Mast.

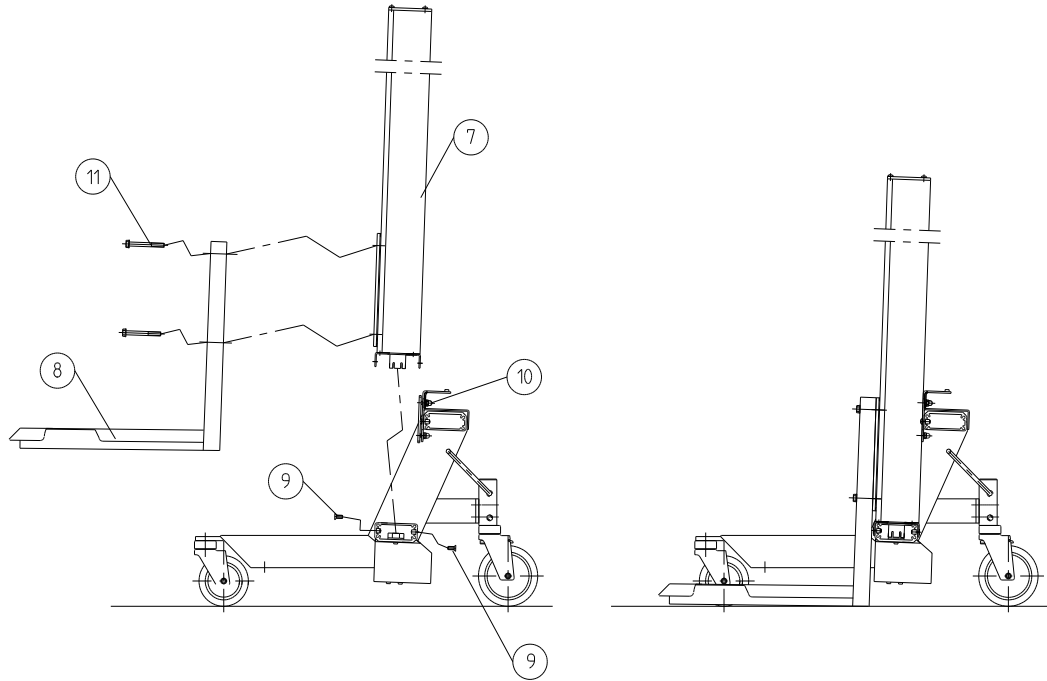
Tool: 1 piece-Allen wrench size 5 mm, 1 piece regular wrench size 13 mm

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

Modules: 1 piece mast (7), 1 piece. End-Effector (8)

- 1 Remove the 3 screws (9) that 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 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.
- 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).

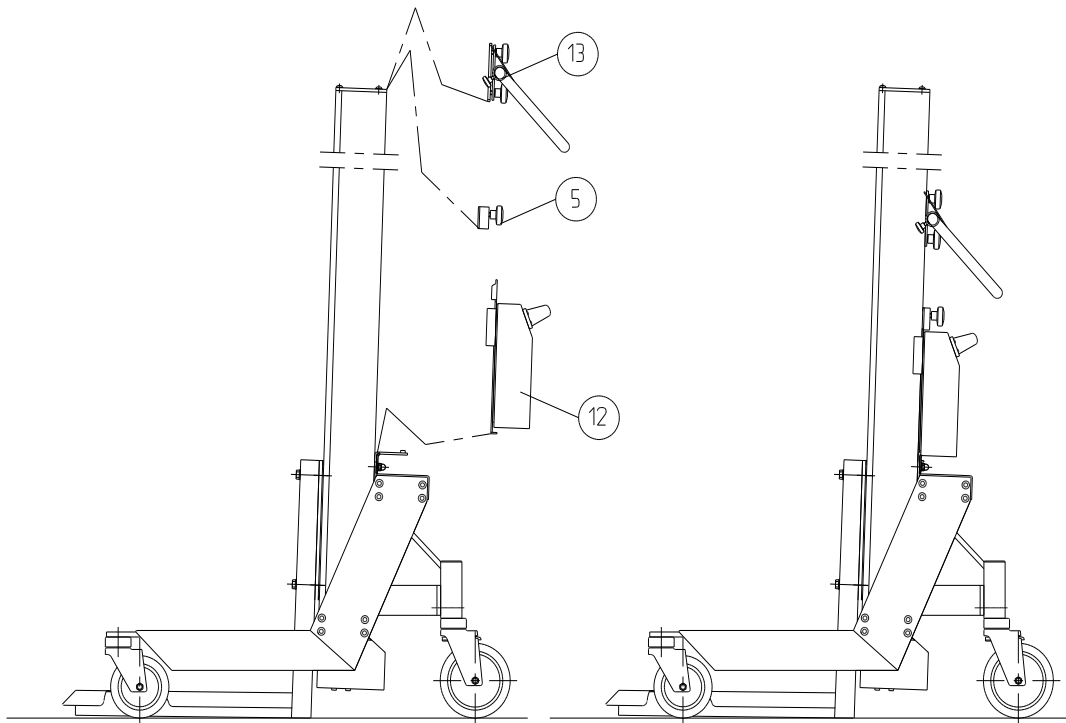
- 7 Should you have an accessory on the lifter that requires DC power this can be connected to the power pack (5 next page) into the same outlet as the battery charger. While charging, these accessories will have to be disconnected. **After charged – remember to reconnect the plug for the accessory.**



5.3 Assembling the Electronic Power Pack, Handlebar and Remote Control

Modules: 1 piece upper lock (5), 1 piece power pack (12), 1 piece grip (13), and 1 piece 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 the 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.



6 Disassembling

Perform in reverse order as per previous chapter.

7 Discarding

After many years of service, your lifter can be discarded in such a way to save the environment. The frame and batteries can be deposited at special stations (varies from country to country)

8 Instruction

Use the lifter properly in order to avoid work injuries from lifting.

8.1 Charging

The lifter is to be charged every night, over weekend, holidays and longer periods when not in use **or the batteries will go dead**. In this way you are ensured a fully charged lifter at all times.

Attention! If you do not charge the batteries after each duration of use, the batteries can be harmed. It is not possible to overload them.

- Always charge in a dry area.
- Disconnect lift motor power cable from Electronic Power Pack
- Connect charger to Electronic Power Pack. Lamps on charger will not light up.
- Connect the charger to wall outlet. A red and yellow lamp will go on when charging.

Attention! Do not operate the device while charging.

- A green lamp will go on when charging is complete.
- The yellow lamp flashes when the battery is 80% charged, battery now is on trickle charge.
- Disconnect charger from wall outlet.
- Disconnect charger from Electronic Power Pack.

Red lamp = 110 volt voltage is connected.

Green lamp = Charged and maintenance charging to keep level high.

Note: Steps to follow to eliminate potential sparking when connecting charger to Electronic Power Pack:

- Disconnect lift motor power cable from Electronic Power Pack.
- Discharge Electronic Power Pack capacitor by engaging the “Up/Down” pushbutton on the remote controller.
- Connect charger to Electronic Power Pack.
- Connect charger to wall outlet.

Attention! Charger is not to be exposed to water.

Note: 19139B Electronic Power Pack voltmeter must be switched on during lifter operation.

8.1.1 Battery Indicator and On/Off Switch

(Switch is only on 19139B, 19171B, 19258B and 19279B Power Packs)

Battery charge state indicator (Voltmeter)

On/Off Switch-Control card will automatically shut off power in the electronic power pack after a timed period of inactivity (Power to indicator is still on). Operator must activate the switch for continued use. For periods of non-lifter use, power off using the switch (Power to indicator is then off). Switch power on via the switch for additional use of the lifter.

The "C" Series Power Packs the On/Off switch is eliminated, activation of the "UP"/"DOWN" remote controller wakes the lifter after time out.



8.2 Handle

The handle is easily adjustable to any desired height.

8.3 Mast

IMPORTANT!

Maximum load capacity is as noted on the lift mast
The lifting device may not be used for lifting persons

Place the LIFT-O-FLEX® around the working area. **Always lock the wheels by pressing down the brake rod before loading or off loading.**

Use the remote control to lift or lower the end-effector.

Place the load on the end-effector. **The load shall always be centered and as close to the mast as possible for stability.**

8.4 Moving

Always lower the end-effector to the lowest possible position before moving.

8.5 Directional lock

If you have a heavy load and in particular if the floor is slightly at an angle then use the directional lock on the rear casters by engaging the brake rod straight up. The rear wheels will no longer swivel.

8.6 Extra lifting height

If applicable, undo the two screws holding the end-effector and then adjust the height 100 mm up which will mean that you will lose 100 mm on the bottom stroke but gaining the extra lifting height.

Attention! Note that end-effectors do not always completely reach the floor.

9 Maintenance

In order to have a long lasting product please take note of the following.

Every day

1. Wipe the lifter down with a wet cloth using a non-aggressive cleanser. Do not use any high pressure cleaning equipment. This will damage the product.
2. The lifting device shall be charged every night, over weekend, holidays and longer periods when not in use or the batteries will go dead. It is not possible to overload them.

Every month or when necessary.

1. Wheels: Check the wheels to make sure they are in good working order.
2. Central braking system: Check all 3 position. Neutral, Directional and Lock.
3. Make sure the handle stays in place by tightening the bolts by hand.

Every year

1. Electronic connections: Check all the connections and take care of any damages.
2. Nuts and bolts: Make sure everything is tight.
3. Mast: Remove mast from frame, see 5.2 but in opposite order. Undo the four bolts on the upper end lid and pull out the entire screw unit. Undo the end pieces from the holder and check the bearing, add lubricant as necessary. Mount it back into place. Dry the screw and check the nut and coupling to make sure it is not too worn and wobbles. Lubricate the screw with lubricant intended for ball bearings. Should the brushes be dirty and need cleaning, simply pull them out. Clean the inside of the profile and reassemble all components. Place the mast back in place see under 5.2 Mounting, and check the load platform and the coupling of the slide.
4. Signs: Make sure all signs are in place and readable.

10 Trouble Shooting

LIFT-O-FLEX® is designed for effective and reliable performance providing the maintenance instructions are followed. Should problems occur, follow the checklist below. If problems persist, please contact your distributor.

Symptom

1 Motor is not functioning

Check the following.

Outlet ok while charging.

Action

A Check the voltage which should be 24 volt.

B There is a 30 Amp fuse in the power pack

C Make sure connections with motor are ok.

D Make sure connections to battery charger and wall

E Make sure the lamp on the battery charger is lit, see 8.1 Charging.

2 The platform does not move, but motor works.

A Check above #1.

B Make sure **Maximum Load Weight** is not exceeded.

C Make sure the mast is in place. See 5.2 Mounting.

3 The load platform moves slowly.

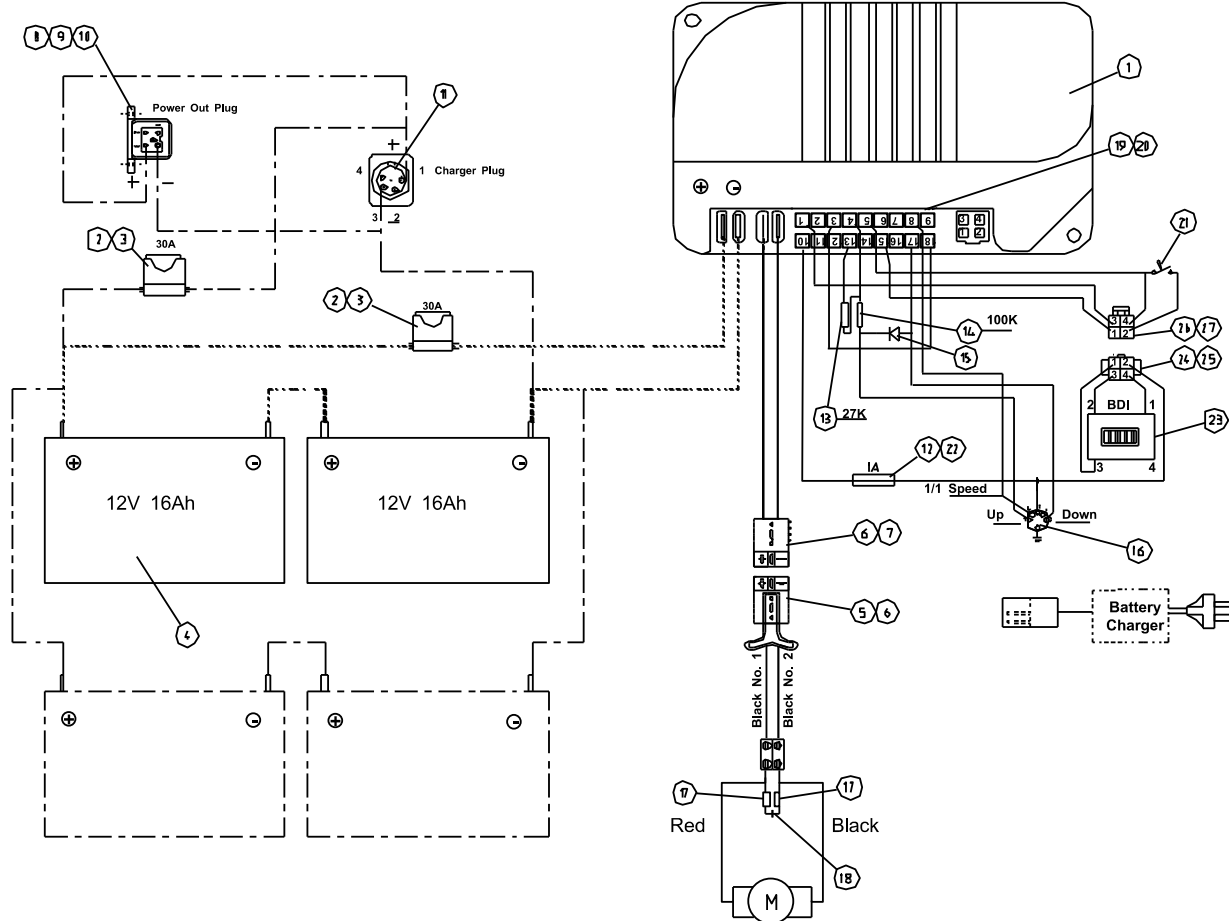
A See above #1, Action 1A, 1C, 1D and 1E.

4 The lifting device sounds strange while lifting/lowering.

A Check 9. Maintenance.

11 Electrical Schematics

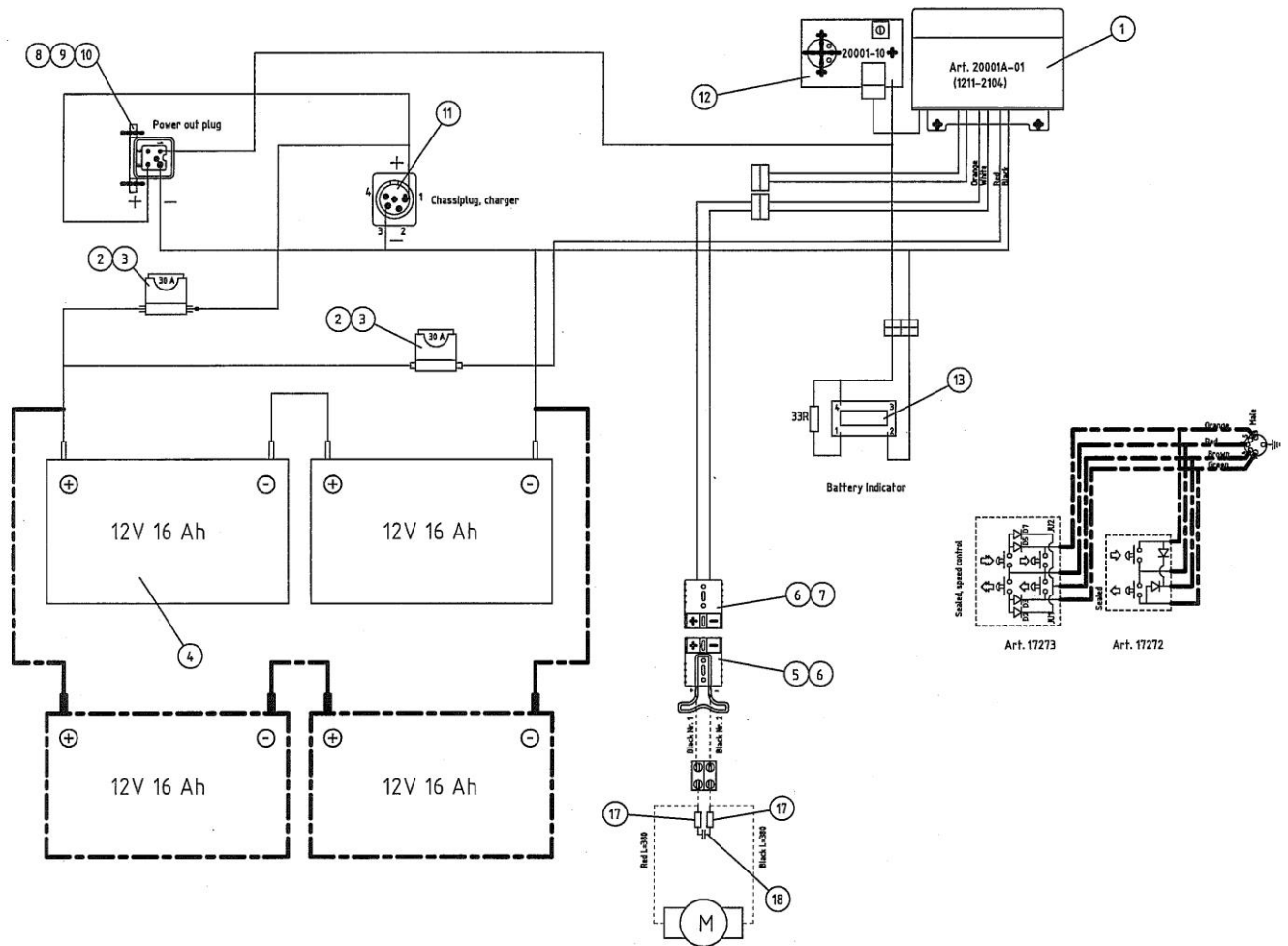
11.1 19139B (19257S SS) 24V/16AHR and 19171B (19279 SS) 24V/32AHR Electronic Power Pack



Item	Qty	Description	Part No.	Item	Qty	Description	Part No.
1	1	Motor Controller 24V-4.5A	19122A	15	1	Diode	17334
2	2	Fuse 30A	13066	16	1	Connector	ELFA 42-206-04
3	2	Fuse Holder	ELFA 33-166-19	17	2	Resistor 4.7 Ohm, 6W	ELFA 60-761-60
4	2(4)	Battery 12V -16Ah	19130	18	1	Capacitor 10 nF, 500V	
5	1	Handle	19160	19	1	Connector	5557-18R
6	2	Motor Plug	19154	20	7	Pin	5554-T2L
7	4	Brush	19155	21	1	Pushbutton Switch-Red	19138B-15
8	1	Housing	17270-11	22	1	Fuse Holder	ELFA 33-152-49
9	1	Connector	17270-09	23	1	Voltmeter	19139B-14
10	1	Cover-Female	17270-14	24	1	Connector	ELFA 44-190-99
11	1	Chassis Charger Plug	19139B-12	25	4	Pin	ELFA 44-190-32
12	1	Fuse 1A	ELFA 33-050-03	26	1	Connector	ELFA 44-190-81
13	1	Resistor 1/2W 27K	ELFA 60-126-60	27	4	Pin	ELFA 44-190-24
14	1	Resistor 1/2W 100K	ELFA 60-128-50				

11.2 Electrical Schematic

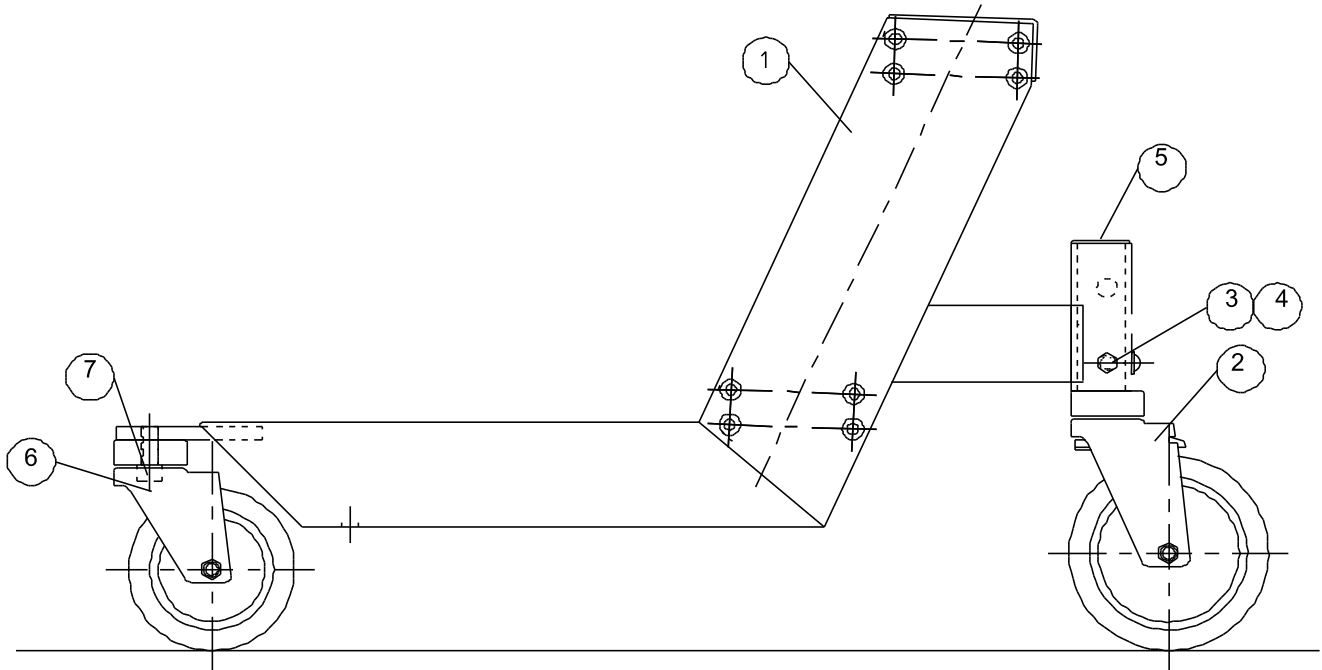
19139C (19258C SS) 24V/16AHR and 19171C (19279C SS) 24V/32AHR Electronic Power Pack



Item	Qty	Description	Item	Qty	Description
1	1	Motor Controller 24V-4.5Amp	8	1	Plug Housing
2	2	Fuse 30Amp	9	1	Plug Inner part
3	2	Fuse Holder	10	1	Plug Cover (Female)
4	2 (4)	Battery 12V-17Ah	11	1	Charger Plug
5	1	Handle	12	1	Interface Board
6	2	Motor Plug	13	1	Battery Indicator 24V
7	4	Reducing Bushing			

12 Spare Parts

12.1 Legs (Standard Built-Single Swivel Front Wheel)

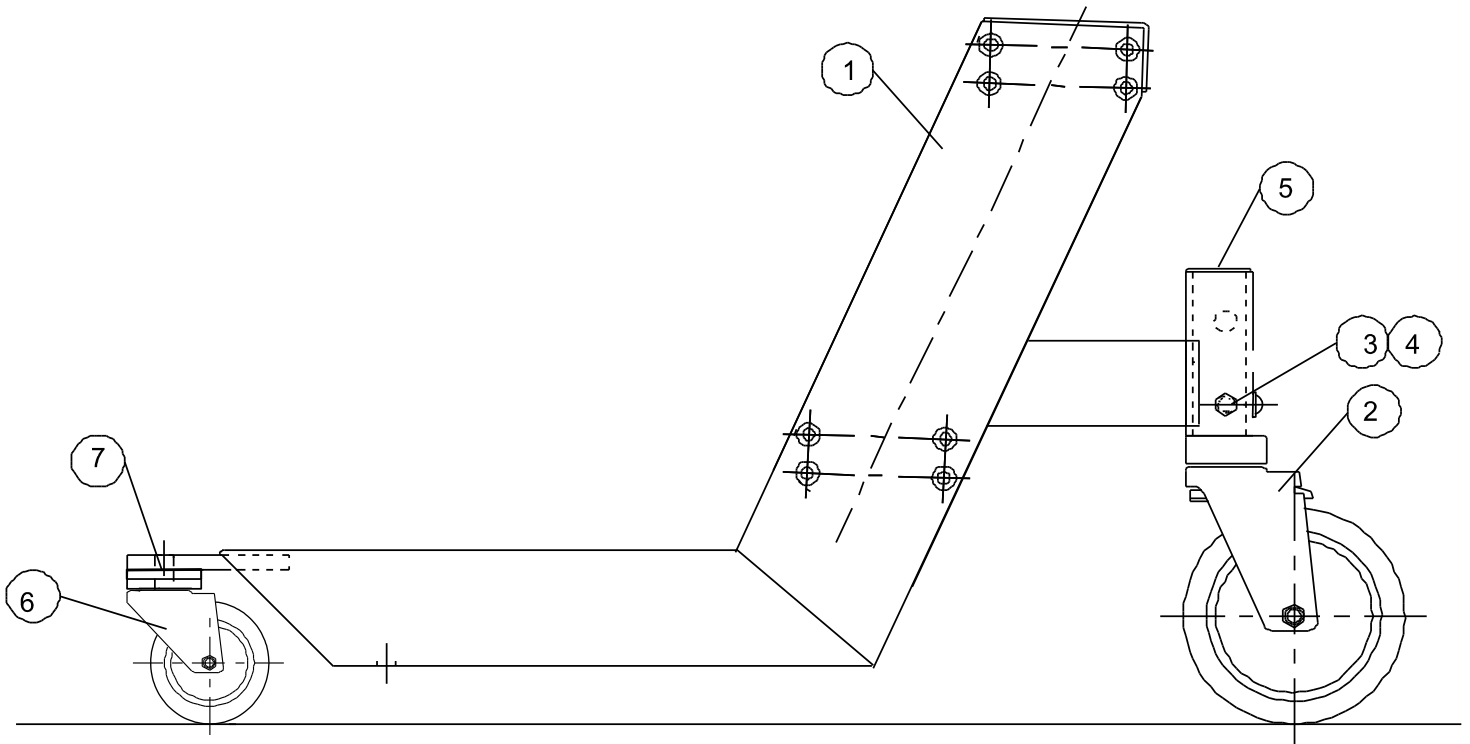


19361, 19362 and 19363 Powder Coated Paint-19561, 19562 and 19563 Stainless Steel

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

12.2 Legs (Low Built Dual Swivel Front Wheels)

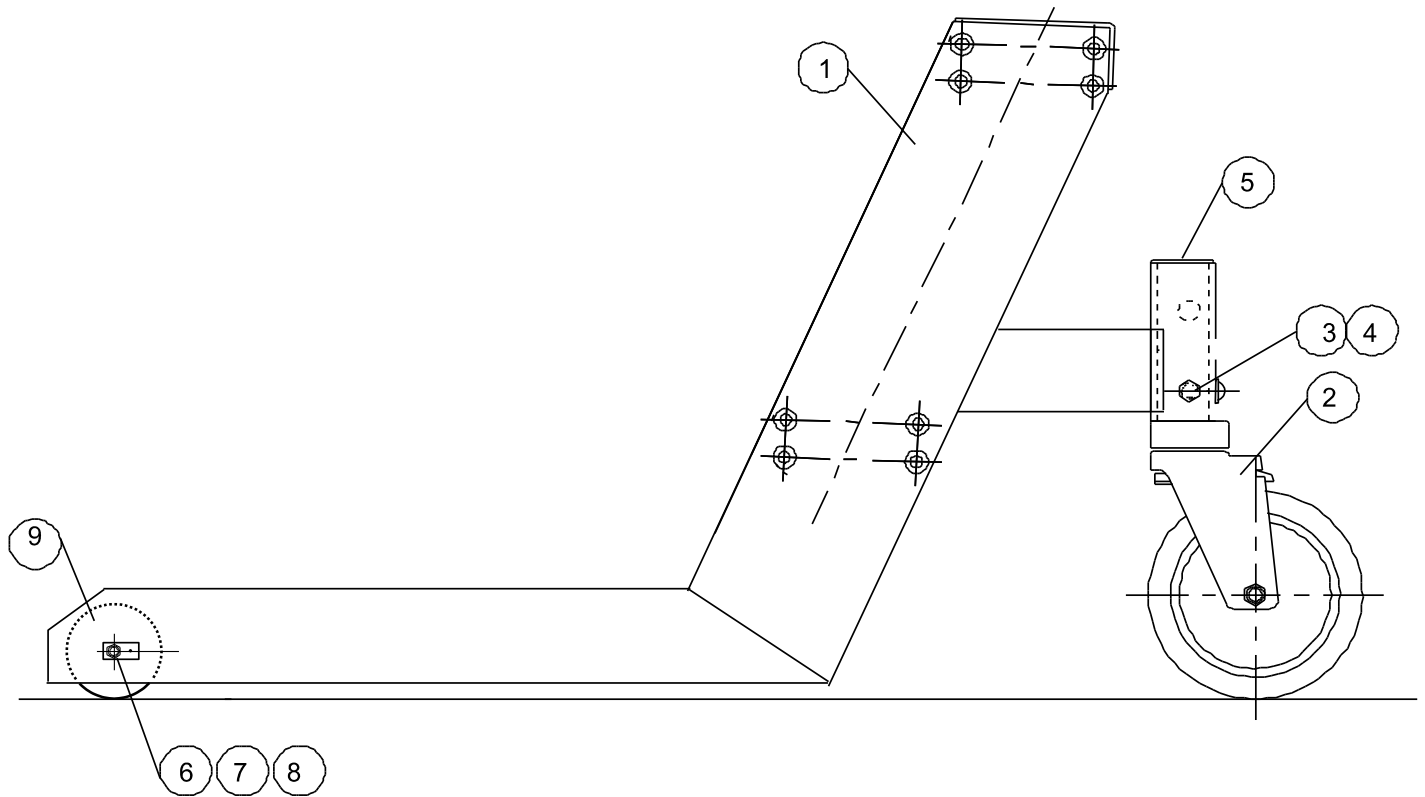


19351, 19352 and 19353 Powder Coated Paint-19551, 19552 and 19553 Stainless Steel

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

12.3 Legs (Low Built Single Fixed Front Wheels)

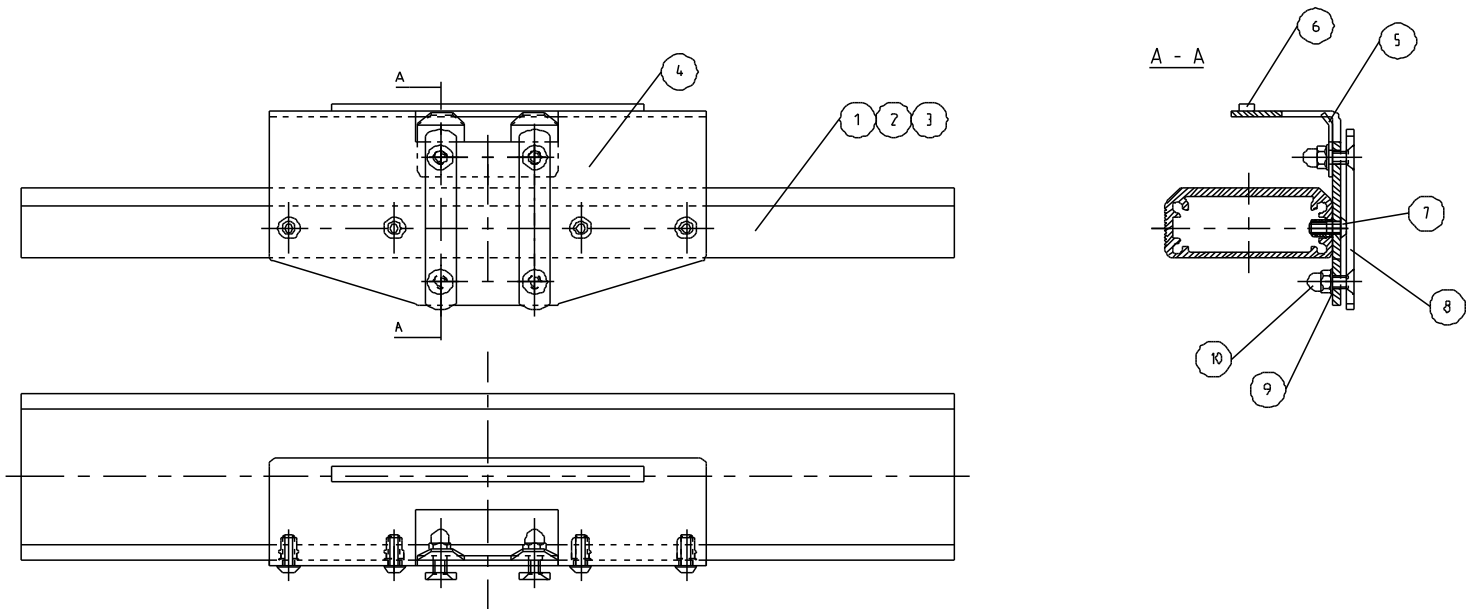


19182, 19243 and 19244 Powder Coated Paint-19187 Stainless Steel

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	Screw	MC65 M12x30 fzb
7	6	Washer	BZB 13HB200 fzb
8	2	Wheel Axle	19183
9	2	Front Wheel 82mm	19195

Note: Consult Proposal for leg type provided

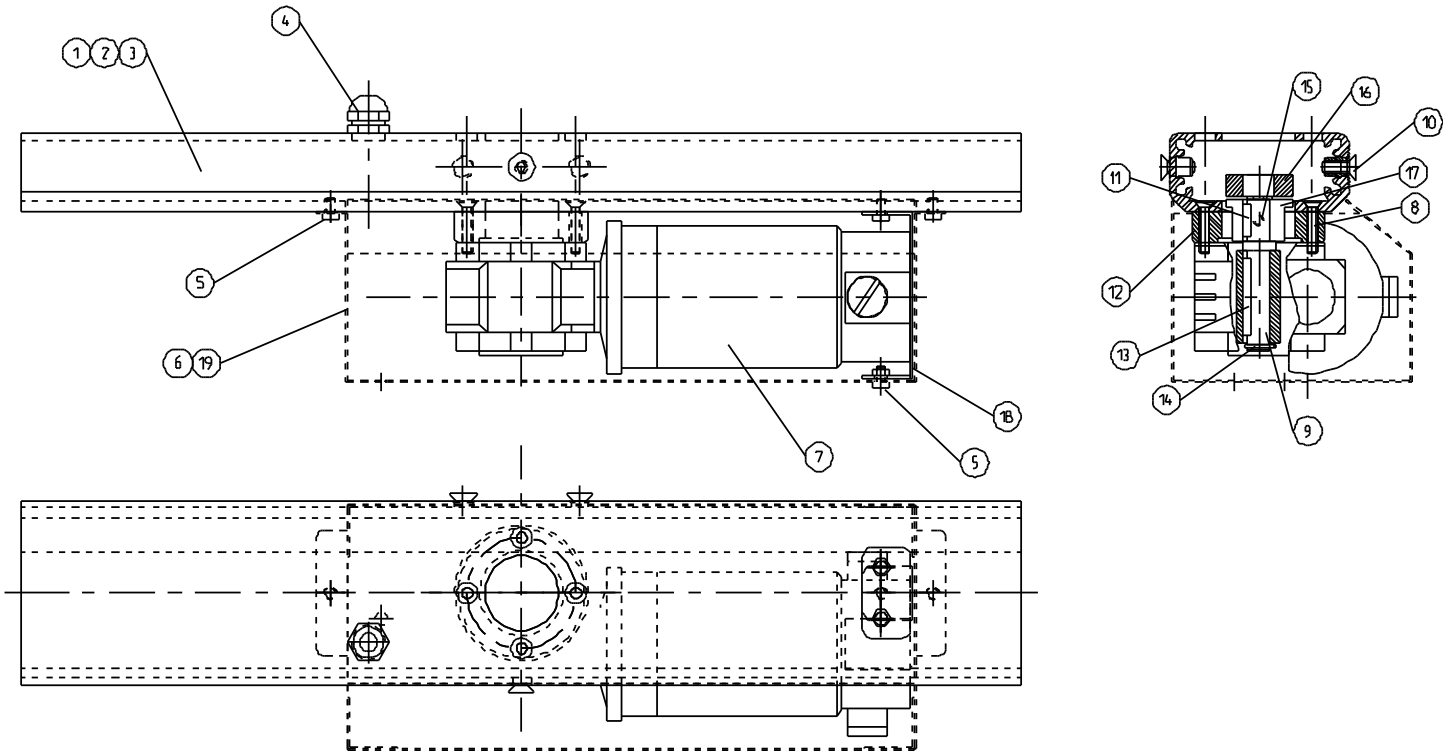
12.4 Upper Intermediate Section



L476 Part No. 19193, L600 Part No. 19168, L850 Part No. 19194

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

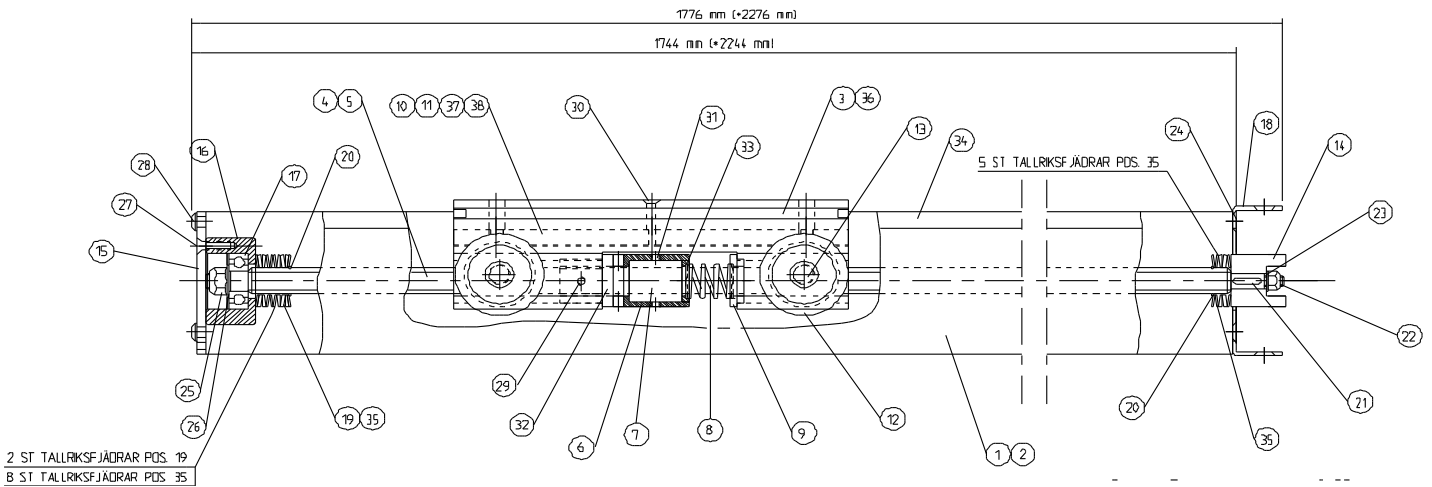
12.5 Lower Intermediate Section



L 476 Part No. 19190, L 600 Part No. 19167, L 850 Part No. 19191

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	Motor and Gear Assembly (19000 – 1:19)	19101
7A	1	Motor and Gear Assembly (19500 – 1:30)	19503
7B	1	Gear Upgrade – Replaces 1:30 (19700 – 1:40)	19264
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

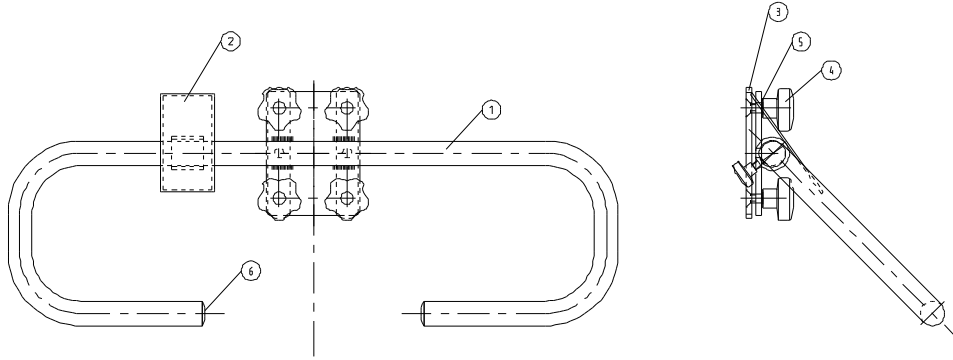
12.6 Mast



**Standard 1744 Part No. 19152, Long 2244 Part No. 19153,
Standard, Long Slide Part No. 19152 HD, Long, Long Slide Part No. 19153 HD**

Item No.	Qty	Description	Part No.	Item No.	Qty	Description	Part No.
1	1	Mast 1730	19148	20	2	Lock Ring	19107
2	1	Mast 2230	19149	21	1	Key 20x4	19151
3	1	Slide 280	19106	22	1	Nut	LM 982 M8
4	1	Lift Screw 1766	19142	23	1	Washer	BRB 8.4 HB200 FxB
5	2	Lift Screw 2266	19143	24	4	Screw	MF65 M8x20 FxB
6	1	Screw Coupling	19109	25	1	Nut	LM 982 M12
7	1	Nut	19150	26	1	Washer	BRB 13HB 200 FxB
8	1	Spring	19105	27	3	Screw	MFS M6x20 FxB
9	1	Spring Guide	19112	28	4	Screw	K65 M8x20 FxB
10		N/A		29	1	Stop Screw SK6SS	SK6SS M5x10
11	4	Lock bar 2/8-280	19125	30	1	Screw	MF6S M6x30 FxB
12	4	Wheel	19115	31	1	Stop Screw T6SS	T6SS M6x6
13	1	Wheel Axle	19116	32	1	Coupling	19110
14	1	Rotex Coupling	19121	33	1	Spring Coupling	19111
15	1	Top Cover	10113	34	2	Brush	19123
16	1	Bearing Holder	19114	35	13	Spring Washer 40x20x15	19175
17	1	Bearing	19102	36	1	Slide 380	19176
18	1	Bottom Cover	19128	37		N/A	
19	2	Spring Washer	19147	38	1	Lock Bar 3/8 – 380	19178

12.7 Handle



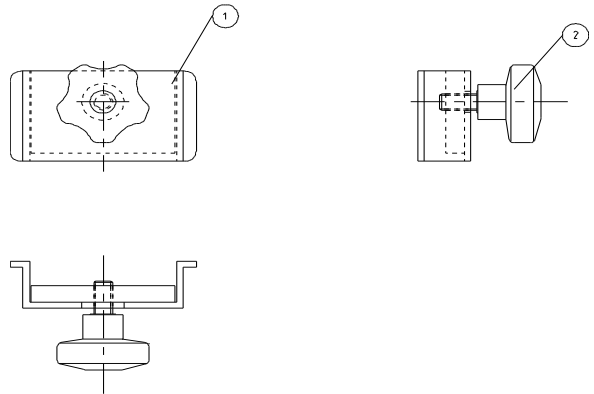
Part No. 19169

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

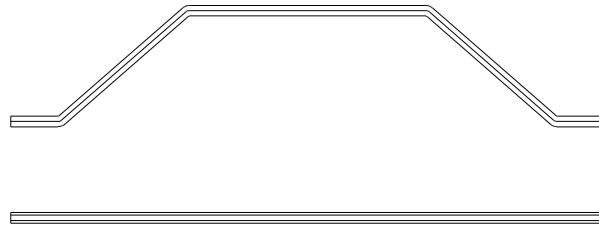
12.8 Lock-Upper Power Pack

Part No. 19170

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



12.9 Brake rod



19136 L=536mm, 19133 L=660mm, 19137 L=970mm

13 Technical Specifications

- Type: LIFT-O-FLEX® 19000 Series
- Total height 1952mm (76.5"), 2452 mm (96")
- Length (w. Platform) 875mm(34.5"), (1190mm, (46.5"))
- Width 556mm (21.8"), 680mm (26.7"), 930mm (36.5")
- Std. Platform 550 (21.5")x550mm (21.5")
- Front/rear wheel 125mm (5")/150mm (6")
- Stroke 1375mm (54"), 1875mm (72")
- Lowest height w. platform 50mm (2") (140mm (5.5") load platform moved up)
- Lifting height 1430mm(56"), (1570mm (61.8"), 1930mm (76"))
- Lifting speed empty 100mm/sec (4"/sec)
- Max. load As Noted
- Weight of unit 70-90kg (155-200-lbs)
- Battery type Valve regulated Gel Cell batteries
- Voltage 24V DC
- Battery capacity 16 Ah (32 Ah)
- Outlet Voltage 110V AC 60 Hz,
- Intermittence 15% per 10 min.
- The measured square value for vibrations while lifting does not exceed 2,5 m/s².
- The noise level while lifting does not exceed 70 dB(A).
- A CE Compliance is submitted with each delivery.
- CE-mark.
- Machine sign indicating manufacturer, year and serial number is on every lifting device.

Material: Frame in powder coated aluminum and steel. Lifting mast is aluminum.
End-Effector in stainless steel, 18/8

14 Declaration of Conformity

Supplier: RONI, INC
 Company
8001 Tower Point Drive Charlotte, NC 28227
 Address

Description of machine: LIFT-O-FLEX 19000, Serial number _____
 Brand, type, serial number etc.

Applied Directives: **2006/42/EG Machinery Directive**
 2004/108/EG EMC Directive

Applied Standards: **SS-EN ISO 12100:2010 Safety of Machinery**
 (when applicable) **SS-EN 349+A1:2008 Safety of Machinery**

The above referenced machine built and equipped with attachments included in this manual, is in conformity with the stated directives and standards.

Signature: _____

15 Test Protocol

- Proof loaded as noted. The overload protection operates.
- The slide stops correctly when it goes to the top end position with and without load.
- The break function in the slide works at the lower end position, and if the load platform is hold and is moving downward.
- The wheels, rolls - brakes - the directional lock - works with as well as without load.
- The maneuvering handle is adjustable and is in fixed position when locked.
- Surface condition.
- Machine plate - signs - language.
- The wheels can rotate free from the load platform.
- The sound level from motor and stand is normal.
- Accessories - check order / requisition.
- Manuals, including; Declaration of Conformity - Instructions for recharging - Assembly instructions.
- The battery charger operates together with the lift trolley. Over night charged.

Serial number: Date of delivery:

Approved by: Date: