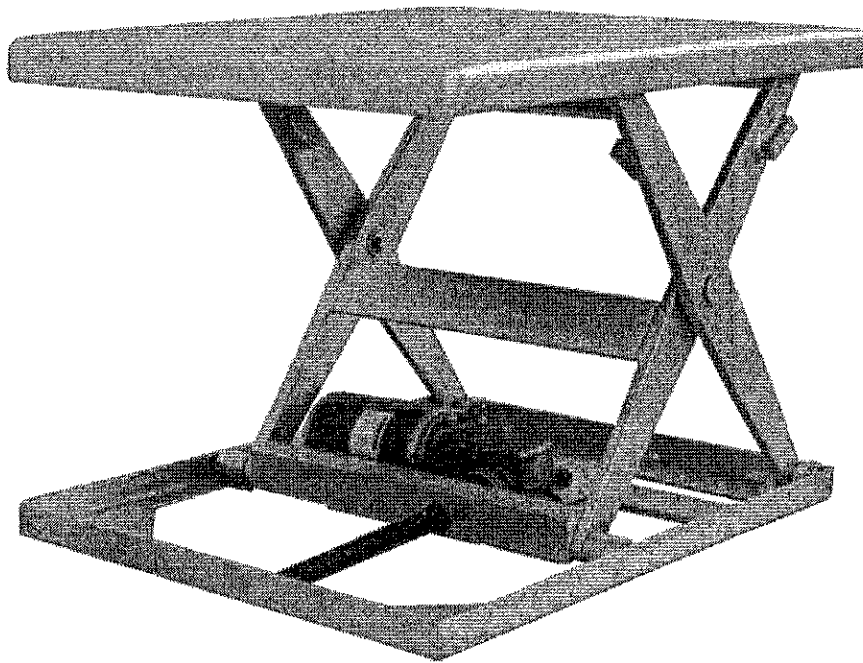




MINI SCISSORS LIFT

Parts and Service Manual



Air Technical Industries
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Mentor, Ohio 44060
Phone: 440-951-5191
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www.airtechnical.com

GENERAL INFORMATION

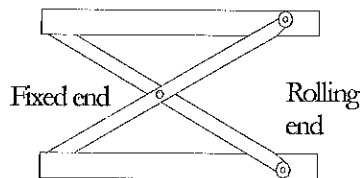
You are now the proud owner/user of Air Technical Industries, mini scissor-type, electro-mechanically operated table.

The mini scissor-type, electro-mechanically operated table, with its many tabletop configurations and options, is a highly versatile machine that is designed to perform a wide range of lifting, feeding, accumulating, aligning, transporting, rotating, and moving operations. All mini scissor tables can be electric power or battery powered. All powered tables have hand held pendant control.

The electro-mechanically operated scissor type lifts have the load capacity rating and serial number typed on a label attached to one side of the lift platform. The capacity is a net capacity rating for a lift furnished with the standard steel top. If there are other fixtures, conveyors, etc. mounted to the platform—deduct the weight of these from the load rating to obtain the net capacity. Lifts should not be overloaded beyond the established capacity, as damage may result.

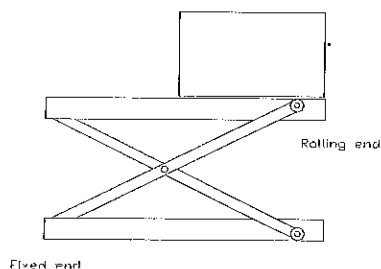
NOTE: the electro-mechanically operated scissor lift is not for lifting personnel unless it is specified intended for that purpose. The equipment is not intended for lifting objects over personnel.

When elevated, load should be moved on and off the table towards the fixed end.



UNBALANCED LOADING

Stabilization of the hydraulic scissor lift provided is basically for balanced loads. NEVER exceed 50% of the rated capacity on either end or sides of the platform. For unbalanced loading please consult the factory.



ELECTRIC OR BATTERY OPERATION:

TO RAISE TABLE:

- (1) Ensure unit is connected to the correct power source
- (2) Depress "up" button, the unit will raise and continue until the button is released.

CAUTION: DO NOT CONTINUE TO OPERATE BEYOND THE FULL EXTENSION OF THE ACTUATOR.

TO LOWER TABLE: Depress "down" button, the unit will lower and continue to lower until the button is released.

ELECTRICAL NOTES

110 Volt requires a 20 Amp fuse, three prong plug with ground.

LUBRICATION AND MAINTENANCE INSTRUCTIONS

We recommend that lubrication and preventative maintenance work should be conducted on a regular schedule that is established through experience gained during the first few months of operation. The need for lubrication and inspection is largely proportional to actual service duty, environment and application.

We recommend that the lift should be lubricated and completely inspected at least once a week during the first month of regular operation. Inspection should include a careful examination of all fastenings, fulcrum pins, rolling surfaces and roller, electrical systems and general functions. The lift should be cleaned and clear of accumulation of debris, water, etc. Consideration must be given to a means for the prevention of such conditions.

Periodically scheduled greasing of the lift provides the opportunity for general inspection, insuring the proper maintenance of the equipment.

TROUBLE SHOOTING SERVICE SUGGESTIONS

- 1) LIFT WILL NOT RAISE:
 - Check the power supply and electrical circuit
 - If motor is hot, thermal overload may have been tripped-wait 15 minutes and try again.

- 2) LIFT WILL RAISE ONLY PARTIAL LOAD:
 - Ensure load is uniformly distributed.
 - Eliminate use of extension cords or use as short as possible.

WARRANTY

Air Technical Industries products are unconditionally guaranteed against defects in workmanship and materials; unless otherwise agreed in writing, the seller makes no other warranties expressed or implied which extends beyond the description of the goods.

- A. one year on all structural parts and components
- B. Ninety (90) days on electrical and hydraulic components

Before any repairs are made or damaged equipment returned, written permission must be obtained from Air Technical Industries. Labor to replace defective components is not considered part of the warranty

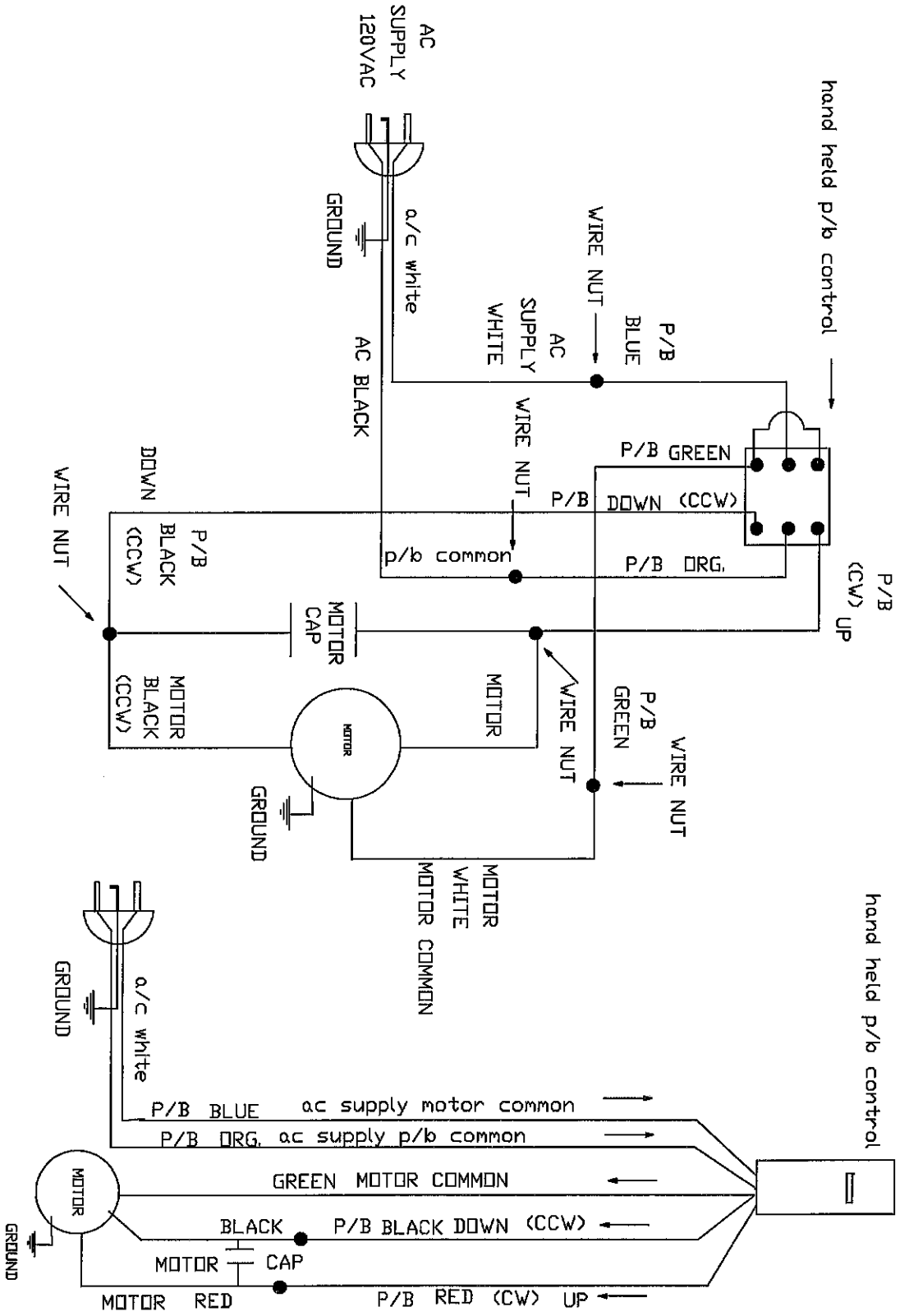
LIFT TABLE Model	PART NUMBER ACTUATOR	QTY	PRICE (EACH)	PART NUMBER MOTOR	QTY	PRICE (EACH)	PART NUMBER SHOULDER SCREW	QTY	PRICE (EACH)	PART NUMBER CONTROL	QTY	PRICE (EACH)	PART NUMBER ROLLER	QTY	PRICE (EACH)
MSL A1519E	PEAC51519	1	\$ 630.00	PESM0115V	1	\$ 272.00	PF075X100SHS	2	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL100	2	\$ 8.00
							PF050X075SHS	2	\$ 5.00				PTROLL075	2	\$ 5.00
							PF075X100SHS	2	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL100	2	\$ 8.00
MSL A1519B	PEAC51519	1	\$ 630.00	PEBM1224V	1	\$ 327.00	PF050X075SHS	2	\$ 5.00				PTROLL075	2	\$ 5.00
							PF075X075SHS	1	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL100	2	\$ 8.00
MSL A2436E	PEAC52436	1	\$ 855.00	PELM0115V	1	\$ 417.00	PF075X075SHS	1	\$ 16.00				PTROLL100	2	\$ 8.00
							PF075X075SHS	1	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL100	2	\$ 8.00
MSL A2436B	PEAC52436	1	\$ 855.00	PEBM1224V	1	\$ 327.00	PF075X125SHS	1	\$ 18.00				PTROLL100	2	\$ 8.00
							PF075X075SHS	1	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL075	2	\$ 5.00
MSL A2448E	PEAC52448	1	\$ 855.00	PELM0115V	1	\$ 417.00	PF075X125SHS	1	\$ 18.00				PTROLL075	2	\$ 5.00
							PF075X100SHS	2	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL075	2	\$ 5.00
MSL A2448B	PEAC52448	1	\$ 855.00	PEBM1224V	1	\$ 327.00	PF075X125SHS	1	\$ 18.00				PTROLL075	2	\$ 5.00
							PF050X075SHS	2	\$ 5.00	PEMSLROCK	1	\$ 85.00	PTROLL075	2	\$ 5.00
MSL A2030E	PEAC52030	1	\$ 825.00	PELM0115V	1	\$ 417.00	PF075X100SHS	2	\$ 16.00				PTROLL068	2	\$ 5.00
							PF075X100SHS	2	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL100	2	\$ 8.00
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							PF075X100SHS	2	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL068	2	\$ 5.00
MSL A1824E	PEAC51824	1	\$ 780.00	PESM0115V	1	\$ 272.00	PF050X075SHS	2	\$ 5.00				PTROLL100	2	\$ 8.00
							PF075X100SHS	2	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL100	2	\$ 8.00
MSL A1824B	PEAC51824	1	\$ 780.00	PEBM1224V	1	\$ 327.00	PF075X100SHS	2	\$ 16.00				PTROLL100	2	\$ 8.00
							PF050X075SHS	2	\$ 5.00	PE2STAPB0	1	\$ 150.00	PTROLL100	2	\$ 8.00
DMSL 1519E	PEACD1519	1	\$ 705.00	PESM0115V	1	\$ 272.00	PF075X100SHS	4	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL075	2	\$ 5.00
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DMSL 1519B	PEACD1519	1	\$ 705.00	PEBM1224V	1	\$ 327.00	PF050X100SHS	4	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL075	2	\$ 5.00
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DMSL 2030B	PEACD2030	1	\$ 855.00	PEBM1224V	1	\$ 327.00	PF075X100SHS	4	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL075	2	\$ 5.00
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DMSL 2448E	PEACD2448	1	\$1,380.00	PELM0115V	1	\$ 417.00	PF075X100SHS	4	\$ 16.00	PEMSLROCK	1	\$ 85.00	PTROLL075	2	\$ 5.00
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DMSL 2448B	PEACD2448	1	\$1,380.00	PEBM1224V	1	\$ 327.00	PF075X100SHS	4	\$ 16.00	PE2STAPB0	1	\$ 150.00	PTROLL075	2	\$ 5.00
							PF050X100SHS	4	\$ 5.00				PTROLL075	2	\$ 5.00

HYDRAULIC MODELS

LIFT TABLE MODEL	PART NUMBER	QTY	PRICE (EACH)	PART NUMBER CONTROL	QTY	PRICE (EACH)	PART NUMBER SHOULDER SCREW	QTY	PRICE (EACH)	PART NUMBER ROLLER	QTY	PRICE (EACH)
DMSL 1824H	M5YDA0751184	1	\$ 212.00	PENSLROCK	1	\$ 85.00	PF075X100SHS	4	\$ 16.00	PTROLL100	2	\$ 8.00
							PF050X075SHS	4	\$ 5.00	PTROLL075	2	\$ 5.00
DMSL 1519H	M5YDA0481044	1	\$ 190.00	PENSLROCK	1	\$ 85.00	PF075X100SHS	4	\$ 16.00	PTROLL075	2	\$ 5.00
							PF050X100SHS	4	\$ 5.00	PTROLL075	2	\$ 5.00
MSL 1824H	M5YDA0250684	1	\$ 170.00	PENSLROCK	1	\$ 85.00	PF050X075SHS	1	\$ 5.00	PTROLL100	2	\$ 8.00
							PF050X075SHS	1	\$ 5.00	PTROLL068	2	\$ 5.00

MODEL WITH WHEEL PACKAGE

QTY	TYPE	PART NUMBER	PRICE
2	POLY	PWPW04125	\$ 25.00
2	SWIVEL	PWPW03125	\$ 30.00



Air Technical Industries			
7501 CLOVER AVE. - MENTOR, OHIO			
TITLE: MSL 110V ELECTRIC SCHEMATIC			
PART No.	DMSL, MSL	MATERIAL	
DRAWN	LH	DATE	SCALE
APPROVED		6/18/12	N.T.S.

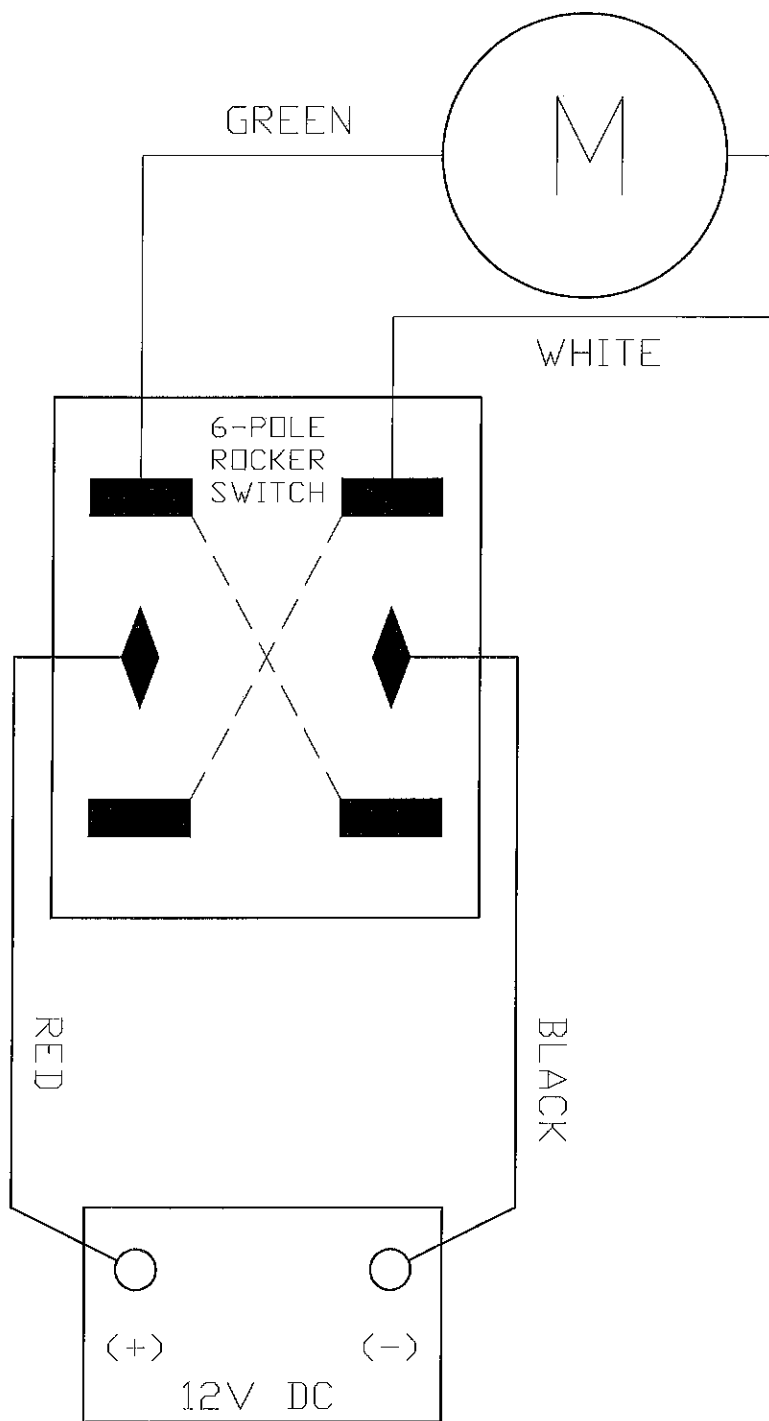
REV

DATE

ENG

DESCRIPTION

ES-RS



USE 14/4 WIRE X 10' LG

Air Technical Industries
 7501 CLOVER AVE. - MENTOR, OHIO

TITLE ELEC. SCHEMATIC

MSL, DMSL

DWG. Type ROCKER SW. MATERIAL

DRAWN RHC/LEN DATE 01/26/16

SCALE N.T.S.

REVISION -

REV

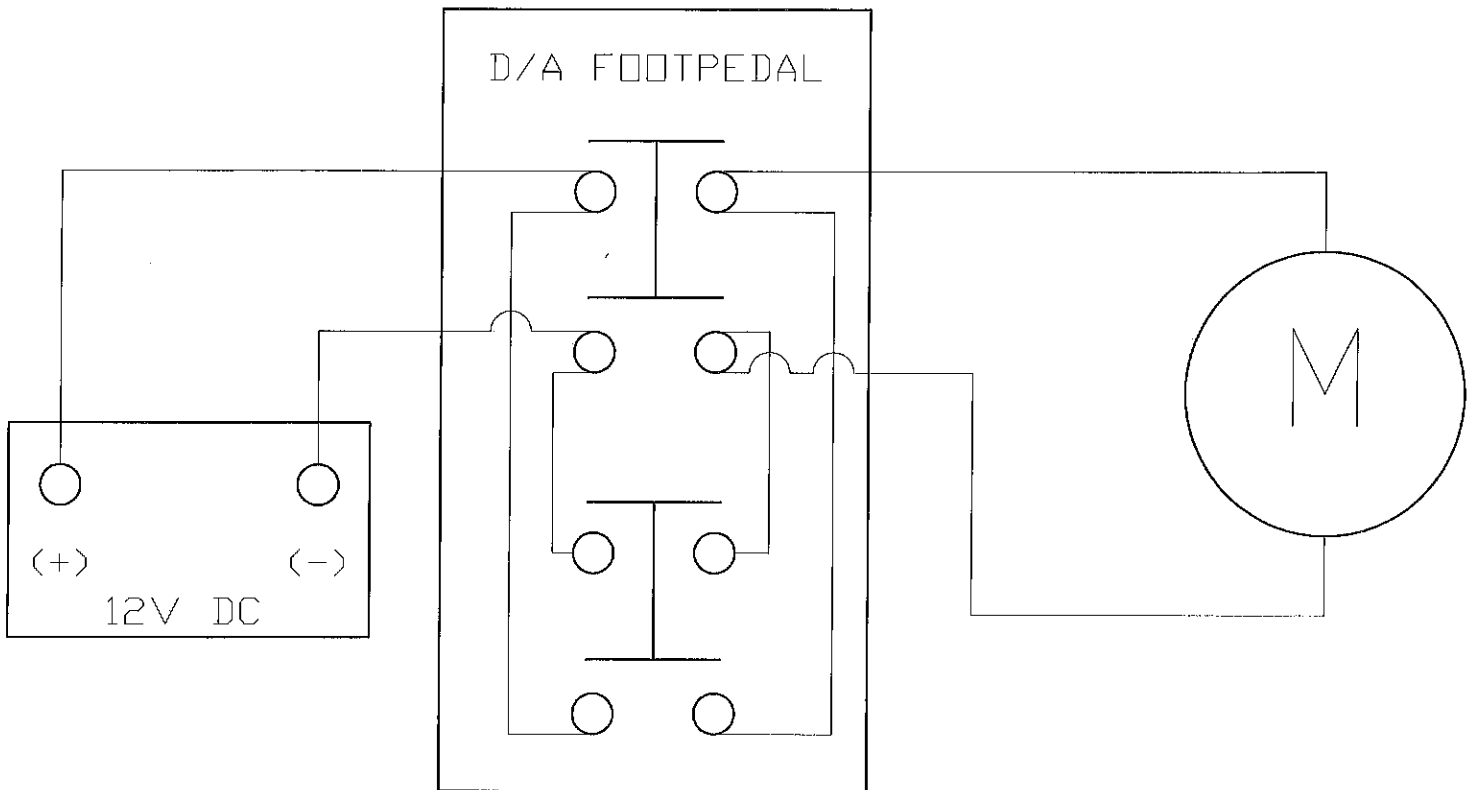
DATE

ENG

DESCRIPTION

ES-FP

D/A FOOTPEDAL



USE 14/4 WIRE X 10' LG

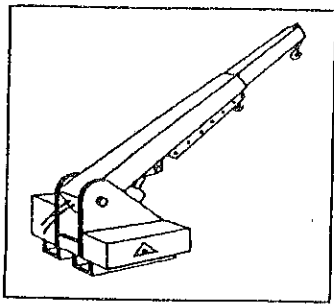
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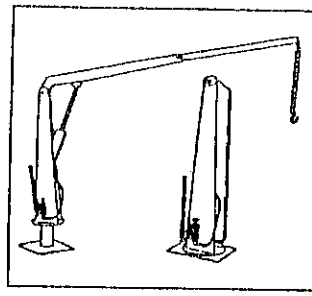
MSL, DMSL

DWG. Type D/A F.P. MATERIAL

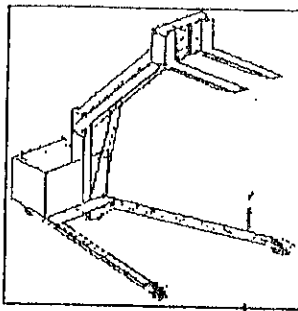
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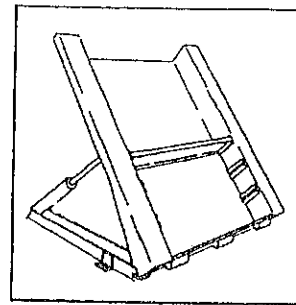
JibMaster



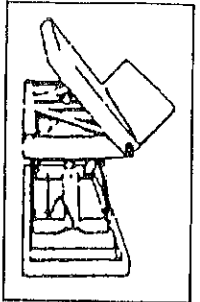
Truck mounted Foldable Crane



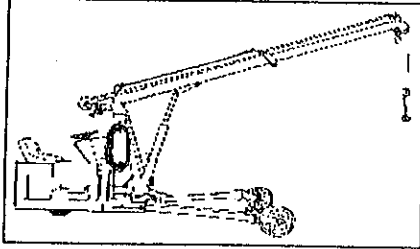
Universal Lift



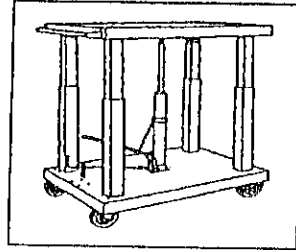
Zero-Low Crate Positioners



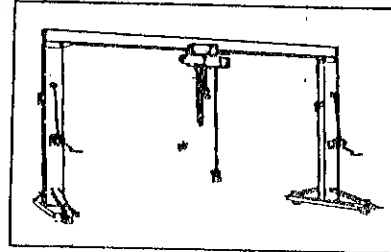
Lift & Tilt Tables



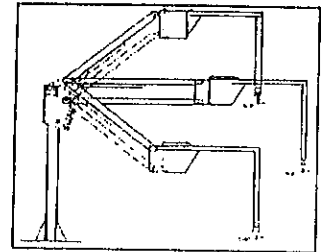
Port-O-Giant



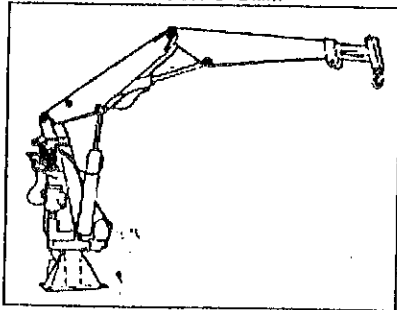
Post Tables



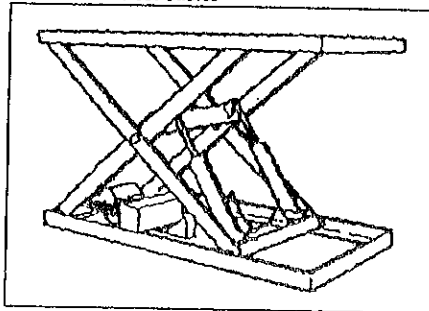
Gantry Cranes



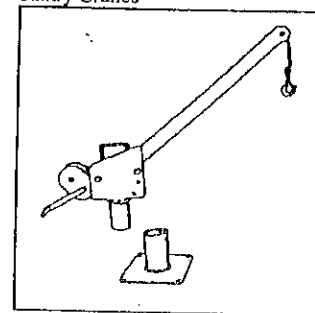
Articulating Manipulator



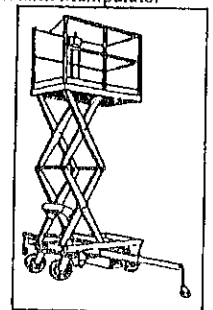
Knuckle Cranes



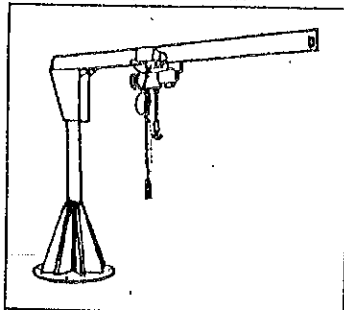
Scissor Lift Tables



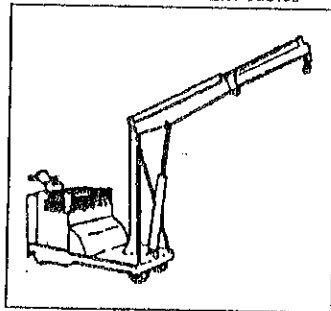
Truck Mounted Pick-Up Crane



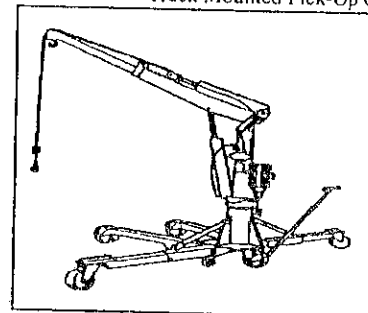
Maintenance Lifts



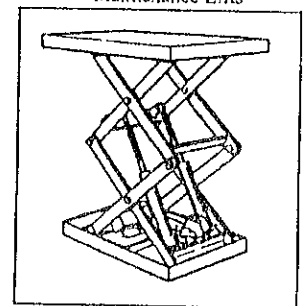
Floor Mounted Jib Cranes



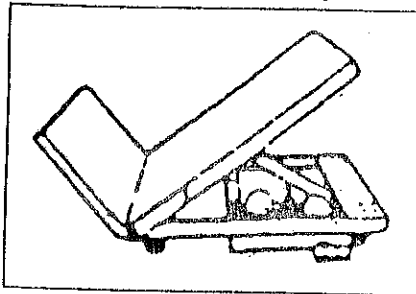
Reversible Boom Crane



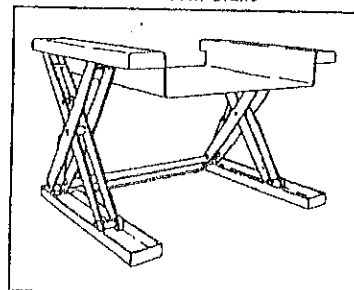
Super Master



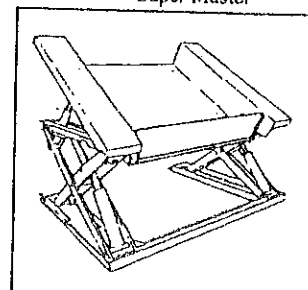
Double Scissor Lift Table



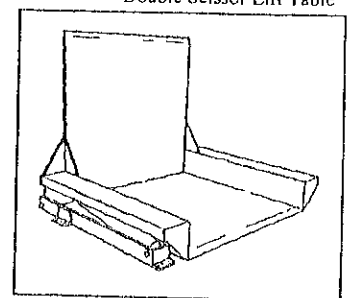
Crate Positioner



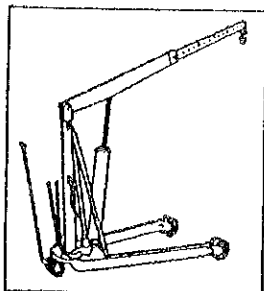
Zero-Low Lift Table



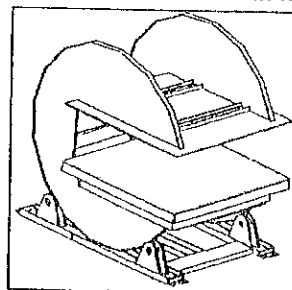
Zero-Low Up-Enders/Positioner



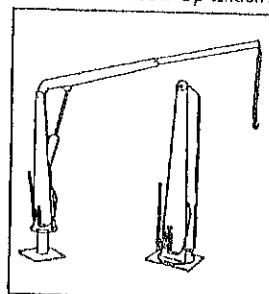
Zero-Low Lift & Tilt



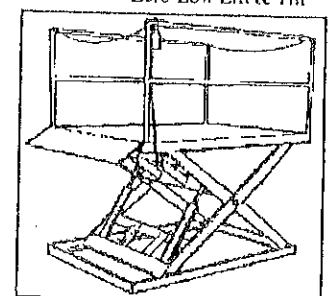
Husky Master



Uppender-Inverter



Truck Mounted Foldable Crane



Magic Dock Scissor Lift