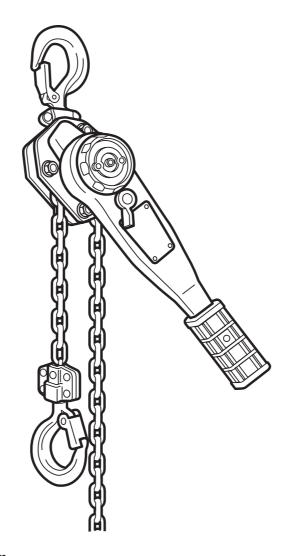


OPERATOR'S MANUAL

MINI-MITE II SERIES LEVER CHAIN HOISTS 1/4 TON THROUGH 6 TON





surewerx.com





TABLE OF CONTENTS

Warranty policy	1
Information for your safety	1
Prior to installation	
Safety precautions	2
Operation	3
Inspection and maintenance	4
Hooks	5
Chain	5
Disassembling and assembling	6

ONE YEAR LIMITED WARRANTY

JET® Lever Chain Hoists are guaranteed to be free of defects in material and workmanship. If one of these products fails during the first year of operation due to defective material or workmanship it will be repaired or replaced at our discretion. Normal wear and tear on moving parts is excluded from this guarantee. This guarantee does not apply to any product showing signs of misuse, overloading, alteration, or improper maintenance.

WARRANTY PROCEDURE

After receiving authorization from one of the offices listed below, any product for which there is a warranty claim must be returned prepaid to an authorized JET® warranty depot along with proof of purchase.

For information on JET® Material Handling products, warranty depots or distributors, contact:

Vancouver	Edmonton	Winnipeg	Toronto	Montreal	Halifax
Tel: (604) 523-8665	Tel: 1-800-472-7685	Tel: (204) 632-6970	Tel: (905) 565-8661	Tel: (514) 332-4618	Tel: (902) 468-8324
Toll Free: 1-800-472-7685	Fax: 1-800-663-7742	Fax: (204) 694-9534	Fax: (905) 565-7266	Fax: (514) 332-4777	Fax: (902) 468-3461
Fax: (604) 526-5381					

Toll Free: 1-800-663-7742

INFORMATION FOR YOUR SAFETY

It is the responsibility of the owner/user to install, inspect, test, maintain, and operate these lever hoists in accordance with ASME B30.21, Safety Standard for Manually Operated Lever Hoists.

These general instructions deal with the normal installation, operation and maintenance situations encountered with the lever hoists described herein. The instructions should not be interpreted to anticipate every possible contingency or to anticipate the final system or configuration that uses these lever hoists.

These instructions include information for a variety of lever hoists. Therefore, all instructions and information may not apply to one specific lever hoist. Disregard those portions of the instructions that do not apply.

If the lever hoist owner/user requires additional information, or if any information in these instructions are not clear, contact your local JET® Material Handling Products distributor.

This lever hoist should not be installed, operated, or maintained by any person who has not read all the contents of these instructions, and ASME B30.21, Safety Standard for Manually Operated Lever Hoists. Failure to read and comply with these instructions or any of the warnings or limitations noted herein can result in serious bodily injury or death, and/or property damage.

Only trained and qualified personnel shall operate and maintain this equipment.

Equipment described herein is not designed for, and should not be used for lifting, supporting, or transporting people.

User should not use this lever hoist in conjunction with other equipment unless necessary and/or required safety devices applicable to the system are installed by the user.

Modifications to upgrade, rerate or otherwise alter these lever hoists shall be authorized only by the original equipment manufacturer or qualified professional engineer.

PRIOR TO INSTALLATION

Check for damage during shipment. Place claim with carrier if any damage is discovered. DO NOT install or use a damaged lever hoist

Check and verify that structure or other equipment that will support the lever hoist has a rated load capacity equal to or greater than the rated load capacity of the lever hoist to be used.

OPERATION

Before initial operation of hoist:

- 1. Read and comply with all instructions and warnings furnished with or attached to lever hoist.
- 2. Check lubricant.
- 3. Check operation of brake.
- 4. Check that chain is properly seated in sheaves and that chain is not twisted, kinked, or damaged.

Before each shift:

- 1. Inspect hooks for nicks, gouges, cracks, and signs of pulling apart or twisting.
- Inspect hook latch for proper operation.
- 3. Check chain for kinks or twists.
- 4. Check operation of brake.
- Replace warning label if missing or illegible.

Before operating:

- . Be certain all personnel are clear of the load to be lifted and moved.
- 2. Make sure load will clear stock piles, machinery, or other obstructions when hoisting and travelling the load.
- 3. Eliminate any twists or kinks in the load chain.

SAFETY PRECAUTIONS

- A. READ these instructions and ASME B30.21, Safety Standard for Manually Operated Lever Hoists before installing, operating, or maintaining this equipment.
- B. WARN personnel of approaching loads.

C. DO NOT

- 1. Lift more than rated load.
- 2. Operate lever hoist when it is restricted from forming a straight line with the direction of loading.
- 3. Operate with twisted, kinked, or damaged chain.
- 4. Operate if chain is not seated in sheaves or sprockets.
- 5. Wrap chain around load or use chain as a sling.
- 6. Operate unless load is properly applied to the saddle or bowl of the hook.
- 7. Operate if load is applied to the tip of the hook.
- 8. Operate with damaged or missing hook latches.
- 9. Lift people or lift loads over people.
- 10. Operate with side-pulling or side-loading of load to lever hoist.
- 11. Operate a damaged or malfunctioning lever hoist.
- 12. Operate with other than hand power.
- 13. Remove, deface, or obscure warning label or labels on lever hoist.
- 14. Leave load suspended when lever hoist is unattended unless specific precautions have been instituted and are in place.
- 15. Lengthen load chain or repair damaged load chain by welding.
- 16. Use chain as a ground for welding.
- 17. Hammer on lever.
- 18. Use extensions on lever.
- 19. Lift one load with more than one lever hoist, unless each lever hoist is rated to support the entire load in the event one or more lever hoists is disabled, shifting load to the other lever hoists.

OPERATION

TO RAISE LOAD:

- 1. Set change lever on handle to "UP" position.
- 2. Operate handle to move load.

TO LOWER LOAD:

- 1. Set change lever on handle to "DOWN" position.
- 2. Operate handle to move load.

TO ADJUST CHAIN LENGTH:

TO SHORTEN:

Set change lever to "NEUTRAL" and turn feed hand wheel clockwise or pull free end of chain.

TO LENGTHEN:

Set change lever to "NEUTRAL" and turn feed hand wheel counter-clockwise or pull hook end of chain.

BRAKE LOCK:

If the lever hoist is unloaded by means other than operating the lever, or if the bottom hook is pulled tight against the hoist body, brake lock can occur. To unlock brake, move selector to DOWN position and pull sharply on lever.

SHOCK LOADS:

Do not allow a load to drop, such as over the edge of a platform, while connected to a lever hoist. The sudden drop, even of an insignificant distance, can cause a severe momentary overload, seriously damaging the lever hoist and possibly resulting in the loss of the load. This can occur at loads well under the rated capacity.

REPLACEMENT OF CHAIN:

This lever hoist is equipped with JET's exclusive class V+ load chain. Class V+ chain is stronger than all other chains. No other load chain, including other JET load chains, may be substituted. Use of any chain other than JET's class V+will result in decreased load capacity, possibly leading to unsatisfactory performance, loss of load, property damage, and/or injury.

COLD WEATHER USE:

Mini Mite II Lever Chain Hoist capacities are unaffected at temperatures down to -40°C. Standard factory lubrication should be replaced with low temperature lubricant for use below -30°C.

INSPECTION AND MAINTENANCE

Prior to initial use, all new, modified, and repaired hoists shall be inspected in accordance with Table 2. Thereafter, inspections shall be conducted at intervals shown in Table 1; and items to be inspected are indicated in Table 2 by F (Frequent) or P (Periodic).

Frequent Inspections - Visual inspection by the operator or other authorized person. This inspection includes listening for unusual sounds while the hoist is operated that may indicate deficiencies.

Periodic Inspections - Audible-visual inspection as for Frequent Inspections, with some disassembly to allow a more detailed inspection if external conditions indicate the need.

Exception: Brakes require more than audible-visual inspection. Check daily by operating lever hoist with and without load, stopping at various positions to test holding power and amount of drift, if any occurs.

TO ADJUST BRAKE:

- 1. Remove cotter pin from castle nut on feed knob.
- 2. Screw castle nut on snugly, then back nut off just enough to line up holes for cotter pin. Replace cotter pin.

TABLE 1 - FREQUENCY OF INSPECTION

SERVICE	FREQUENT (F) INSPECTION	PERIODIC (P) INSPECTION
Normal	Monthly	Annually
Heavy	Weekly to Monthly	Semi-Annually
Severe	Daily to Weekly	Quarterly

TABLE 2 - INSPECTION CHART

In chart, F indicates Frequent Inspection, P indicates Periodic Inspection

LOCATION		CHECK FOR	F	Р
В.		Slipping under load	×	
DI	aking mechanism	Hard to release	×	
Brake Parts		Claring		×
	Brake Discs	Glazing		_
			×	
	Pawl; Ratchet	Excessive wear		×
	Pawl Spring	Corrosion; stretch		×
		Chemical damage	×	
		Deformation	×	
		5% in excess of normal throat opening		×
Hooks		10° twist from plane of unbent hook		×
		Cracks (dye penetrant, magnetic particle, or other suitable detection method)		×

LOCATION	CHECK FOR	F	Р
Hook Retaining Members (Pins, Bolts, Nuts)	Not tight or secure		×
Hook Latch	Damaged; does not close	×	
Suppossion Mambara	Excessive wear		×
Suspension Members (Sheaves, hand-wheels, chain attachments, suspension bolts or pins)	Cracks	×	×
	Distortion		×
Coore	Broken or worn teeth		×
Gears	Cracks		×
	Inadequate lubrication		×
Load Block; Suspension	Distortion	*	×
Housing	Cracks	×	×
Trolley; Supporting Structure	Possible inability to continue supporting imposed loads		×
Bolts, Nuts, Rivets	Not tight or secure		×
WARNING Label	Removed or illegible	×	

Refer to ASME B30.21 for additional information on inspection, test, and maintenance.

WARNING

- Any hook that requires replacement because of excessive bends, twists, or throat opening indicates abuse or
 overloading of the hoist. Therefore, other load-supporting components of the lever hoist should be inspected for
 possible damage when such conditions are found.
- 2. Never repair hooks by welding or reshaping. Heat applied to the hook will alter the original heat treatment of the hook material and reduce the strength of the hook.
- 3. Never weld handles or other attachments to the hook. Heat applied to the hook will alter the original heat treatment of the hook material and reduce the strength of the hook.

HOOKS INSPECTION

Refers to ASME B30.10, Safety Standard for Hooks. Inspect hooks and measure hook throat opening at least once a month. Between regular inspections check visually daily for deformation, distortion, twisting, damage, and missing or damaged hook latches. Inspect as follows:

1. Measure hook throat opening from metal to metal of the hook as shown by dimension A in Figure 1. DO NOT measure from latch to metal. Hook must be replaced when throat opening measurement has increased 8% over the original throat opening dimension of a new hook, as follows:

CAPACITY TONS				DIMENSION B REPLACE HOOK
1/4	24mm	24mm 25.2mm		14.5mm
1/2	2 30mm 31.5mm		18mm	16.5mm
3/4	30mm	32.4mm	19mm	17mm
1-1/2	1-1/2 36mm 38.9mm		26mm	23mm
3	44mm 47.		35mm	31mm
6	59mm	63.7mm	46mm	43.7mm

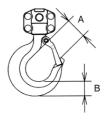


Figure 1

- 2. Measure hook depth at load bearing point (base, bowl or saddle) of the hook. Hook must be replaced when wear at load bearing point is 10% of the original depth of the hook load bearing point.
- 3. A bend or twist of the hook exceeding 10° from the plane of the unbent hook requires replacement of the hook.
- 4. A hook latch that is missing shall be replaced.
- 5. A hook latch that is inoperative shall be repaired or replaced.
- A hook with a hook latch that does not close the throat opening of the hook shall be removed from service until the latch is replaced or repaired.
- 7. Hooks having damage from chemicals, corrosion, or deformation shall be repaired or replaced.

Due to variations in the manufacturing process, the dimensions of a new hook are variable. For accurate record keeping we recommend users record measurements A and B of the hook before use. Record this information in the spaces above and calculate the replacement value by multiplying your measurement by 1.08 for dimension A or by 0.90 for dimension B.

CHAIN

Inspect chain at least once a month. Between regular inspections, check visually daily for nicks, gouges, weld splatter, corrosion, or distorted links. Inspect chain thoroughly if it does not feed smoothly over load sheaves. Inspect as follows:

- 1. Clean chain with solvent before inspection.
- 2. Test hoist with load and observe operation of chain over load sheaves.
- 3. Slacken chain and inspect contact points for excessive wear. Refer to Figure 2.
- 4. Using caliper-type gauge, measure inside length of 5 links under light tension. Refer to Figure 3. Replace chain if measurement exceeds maximum allowable gauge length as follows:

CAPACITY TONS	CHAIN WIRE DIAMETER	5 LINKS NORMAL	5 LINKS MAXIMUM
1/4	4.2 mm	60 mm	62.5 mm
1/2	5.0 mm	75 mm	79.5 mm
3/4	5.6 mm	85.6 mm	88.2 mm
1-1/2	7.1 mm	105.7 mm	108.9 mm
3 & 6	9.0 mm	135.3 mm	139.3 mm



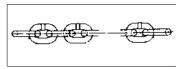


Figure 3

DISASSEMBLING AND ASSEMBLING

You will occasionally want to disassemble your lever hoist for cleaning. To do so, proceed as follows:

To disassemble gear case:

- 1. Lay tool on side, gear case facing up.
- 2. Disconnect four hexnuts on gear casing.
- 3. Lift off gear casing.
- 4. Remove dirt from surfaces, using solvent or rag.

To assemble gear case:

- 1. Place gear case back on bolts, matching gear shafts to bearings on interior of gear casing.
- 2. Secure firmly with four hexnuts.

To disassemble brake and lever for cleaning:

- 1. Place tool on side, feed handwheel facing up.
- 2. Remove cotter pin from castle nut in handwheel.
- 3. Remove castle nut and washer.
- 4. Remove two capscrews from handwheel.
- 5. Lift off feed handwheel.
- 6. Remove four hexnuts on side of brake cover.
- 7. Unscrew lever. It may be necessary to hold pinion shaft stationary.
- 8. Lift off brake cover and lever as a unit. Brake is now visible.
- 9. Remove brake and linings, keeping track of sequence of removal.
- 10. Remove dirt from surfaces, using solvent or rag. If brake linings show wear or cracks, replace.

To disassemble lever for cleaning:

- Remove lever from hoist (after removing feed handwheel as described in steps 1 through 5 above).
- 2. Remove two hexnuts from back of lever.
- 3. Flip lever upside down, dropping back insert into hand.
- 4. Clean with solvent and relubricate.

To assemble lever:

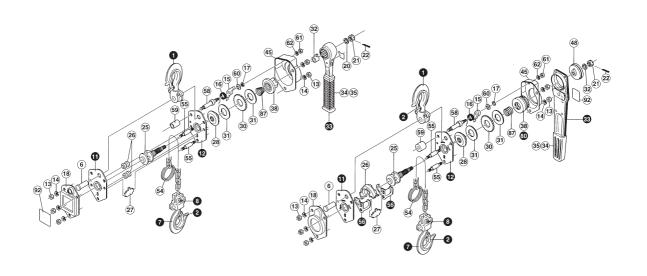
- 1. Place insert into back of lever, taking care to engage tab at top of lever into receiving hole.
- 2. Screw on nuts. It may be necessary to jog the direction lever a few times to allow the parts to mate correctly.

To assemble brake:

- 1. Set brake and linings back into place.
- Replace spring with wide end toward lever.
- 3. Place brake cover and lever back on bolts, then turn lever clockwise to screw it down, securing with hexnuts.
- 4. Replace feed handwheel and capscrews. Use a thread locking product to ensure the capscrews are secure.
- To set brake:
 - Place feed knob back on.
 - Screw castle nut on snuggly, then reverse only far enough to line up holes for cotter pin.
 - Insert cotter pin and secure with proper tool.



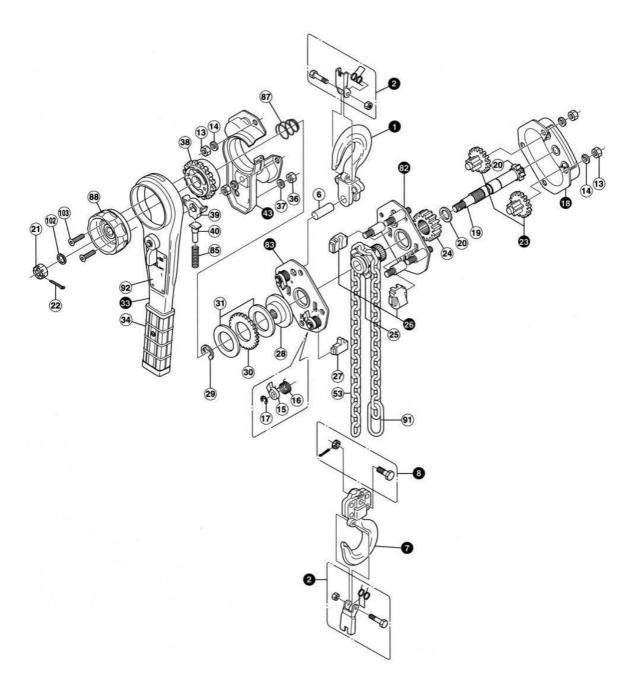
MINI MITE II LEVER CHAIN HOIST PRODUCT 110903, 110904



REF	PART NUMBER	PART NUMBER	DESCRIPTION	REQ.	REF	PART NUMBER	PART NUMBER	DESCRIPTION	REQ.
1	PEL-MM50-1	PEL-MM25-1	TOP HOOK	1	26	PEL-MM50-26	PEL-MM25-26	CHAIN GUIDE ASSY.	1
2	PEL-MM50-2	PEL-MM25-2	SAFTEY LATCH	2	27	PEL-MM50-27	PEL-MM25-27	CHAIN STRIPPER	1
6	PEL-MM50-6	PEL-MM25-6	TOP HOOK PIN	1	28	PEL-MM50-28	PEL-MM25-28	DISC HUB	1
7	PEL-MM50-7	PEL-MM25-7	BOTTOM HOOK ASSY.	1	30	PEL-MM50-30	PEL-MM25-30	RATCHET WHEEL	1
8	PEL-MM50-8	PEL-MM25-8	CHAIN STOP BOLT	1	31	PEL-MM50-31	PEL-MM25-31	FRICTION DISC	2
11	PEL-MM50-11	PEL-MM25-11	GEAR SIDE PLATE	1	32	PEL-MM50-32	PEL-MM25-32	WASHER	1
12	PEL-MM50-12	PEL-MM25-12	LEVER SIDE PLATE	1	33	PEL-MM50-33	PEL-MM25-33	LEVER ASSY.	1
13	PEL-MM50-13	PEL-MM25-13	HEX NUT	4	38	PEL-MM50-38	PEL-MM25-38	FEED GEAR	1
14	PEL-MM50-14	PEL-MM25-14	SPRING WASHER	4	45	PEL-MM50-45	PEL-MM25-45	BRAKE COVER	1
15	PEL-MM50-15	PEL-MM25-15	RATCHET	1	54	PEL-MM50-54	PEL-MM25-54	CHAIN STOPPER	1
16	PEL-MM50-16	PEL-MM25-16	RATCHET SPRING	1	55	PEL-MM50-55	PEL-MM25-55	STAY BOLT	4
17	PEL-MM50-17	PEL-MM25-17	E-RING	1	56	PEL-MM50-56		CHAIN LEADER	2
18	PEL-MM50-18	PEL-MM25-18	GEAR COVER ASSY.	1	58	PEL-MM50-58	PEL-MM25-58	RATCHET PIN	1
20		PEL-MM25-20	WASHER	1	59	PEL-MM50-59	PEL-MM25-59	STAY PIPE	1
21	PEL-MM50-21	PEL-MM25-21	HEX NUT	1	61		PEL-MM25-61	HEX NUT	4
22	PEL-MM50-22	PEL-MM25-22	COTTER PIN	1	62		PEL-MM25-62	WASHER	4
25	PEL-MM50-25	PEL-MM25-25	LOAD SHEAVE	1	92	PEL-MM50-92	PEL-MM25-92	NAME PLATE	1



MINI MITE II LEVER CHAIN HOIST PRODUCT 110506, 110507, 110509, 110510



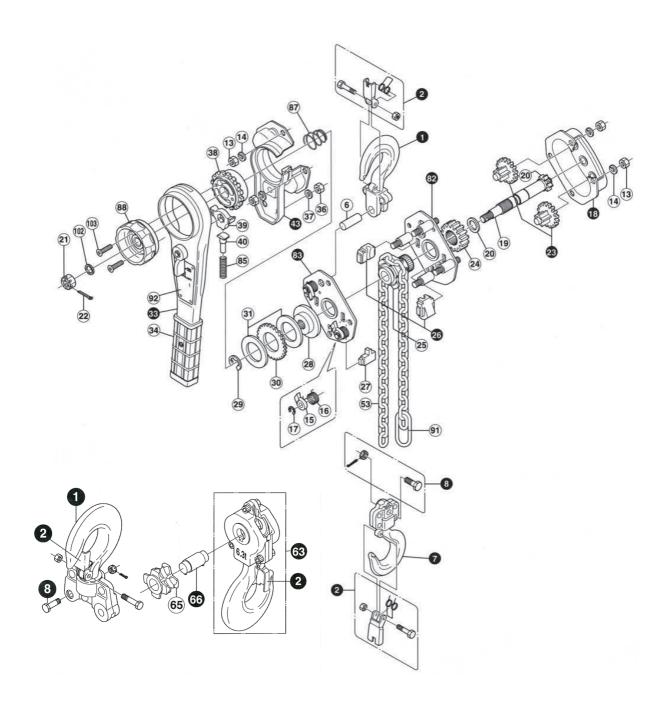


MINI MITE II LEVER CHAIN HOIST PRODUCT 110506, 110507, 110509, 110510

REF.	PART NUMBER	DESCRIPTION	REQ.	REF	PART NUMBER	DESCRIPTION	REQ.
1	PEL-MM80-1	MM80 - TOP HOOK ASS' Y.	1	1	PEL-MM160-1	MM160 - TOP HOOK ASS' Y.	1
2	PEL-MM80-2	MM80 - SAFETY LATCH ASS'Y.	1	2	PEL-MM160-2	MM160 - SAFETY LATCH ASS'Y.	1
2	PEL-MM80-2	MM80 - SAFETY LATCH ASS'Y.	1	2	PEL-MM160-2	MM160 - SAFETY LATCH ASS'Y.	1
6	PEL-MM80-6	MM80 - TOP HOOK PIN	1	6	PEL-MM160-6	MM160 - TOP HOOK PIN	1
7	PEL-MM80-7	MM80 - BOTTOM HOOK ASS'Y.	1	7	PEL-MM160-7	MM160 - BOTTOM HOOK ASS'Y.	1
8	PEL-MM80-8	MM80 - CHAIN STOP BOLT ASS'Y'.	1	8	PEL-MM160-8	MM160 - CHAIN STOP BOLT ASS'Y'.	1
13	PEL-MM80-13	MM80 - HEX. NUT	8	13	PEL-MM160-13	MM160 - HEX. NUT	8
14	PEL-MM80-14	MM80 - SPRING WASHER	8	14	PEL-MM160-14	MM160 - SPRING WASHER	8
15	PEL-MM80-15	MM80 - PAWL	2	15	PEL-MM160-15	MM160 - PAWL	2
16	PEL-MM80-16	MM80 - PAWL SPRING	2	16	PEL-MM160-16	MM160 - PAWL SPRING	2
17	PEL-MM80-17	MM80 - E-RING FOR PAWL	2	17	PEL-MM160-17	MM160 - E-RING FOR PAWL	2
18	PEL-MM80-18	MM80 - GEAR COVER ASS' Y.	1	18	PEL-MM160-18	MM160 - GEAR COVER ASS' Y.	1
19	PEL-MM80-19	MM80 - PINION SHAFT	1	19	PEL-MM160-19	MM160 - PINION SHAFT	1
20	PEL-MM80-20	MM80 - WASHER FOR PINION	1	20	PEL-MM160-20	MM160 - WASHER FOR PINION SHAFT	1
21	PEL-MM80-21	MM80 - HEX. CASTLE NUT	1	21	PEL-MM160-21	MM160 - HEX. CASTLE NUT	1
22	PEL-MM80-22	MM80 - COTTER PIN	1	22	PEL-MM160-22	MM160 - COTTER PIN	1
23	PEL-MM80-23	MM80 - 2ND & 3RD GEAR ASS'Y.	1PR	23	PEL-MM160-23	MM160 - 2ND & 3RD GEAR ASS'Y.	1PR
24	PEL-MM80-24	MM80 - LOAD GEAR	1	24	PEL-MM160-24	MM160 - LOAD GEAR	1
25	PEL-MM80-25	MM80 - LOAD SHEAVE	1	25	PEL-MM160-25	MM160 - LOAD SHEAVE	1
26	PEL-MM80-26	MM80 - CHAIN GUIDE ASS'Y	1	26	PEL-MM160-26	MM160 - CHAIN GUIDE ASS'Y	1
27	PEL-MM80-27	MM80 - CHAIN STRIPPER	1	27	PEL-MM160-27	MM160 - CHAIN STRIPPER	1
28	PEL-MM80-28	MM80 - DISC HUB	1	28	PEL-MM160-28	MM160 - DISC HUB	1
29	PEL-MM80-29	MM80 - E-RING FOR DISC HUB	1	29	PEL-MM160-29	MM160 - E-RING FOR DISC HUB	1
30	PEL-MM80-30	MM80 - RATCHET WHEEL	1	30	PEL-MM160-30	MM160 - RATCHET WHEEL	1
31	PEL-MM80-31	MM80 - FRICTION DISC	2	31	PEL-MM160-31	MM160 - FRICTION DISC	2
33	PEL-MM80-33	MM80 - LEVER ASS' Y	1	33	PEL-MM160-33	MM160 - LEVER ASS' Y	1
34	PEL-MM80-34	MM80 - LEVER GRIP	1	34	PEL-MM160-34	MM160 - LEVER GRIP	1
36	PEL-MM80-36	MM80 - HEX. NUT	2	36	PEL-MM160-36	MM160 - HEX. NUT	2
37	PEL-MM80-37	MM80 - SPRING WASHER	2	37	PEL-MM160-37	MM160 - SPRING WASHER	2
38	PEL-MM80-38	MM80 - FEED GEAR	1	38	PEL-MM160-38	MM160 - FEED GEAR	1
39	PEL-MM80-39	MM80 - RATCHET FOR FEED GEAR	1	39	PEL-MM160-39	MM160 - RATCHET FOR FEED GEAR	1
40	PEL-MM80-40	MM80 - RATCHET SPRING PIN	1	40	PEL-MM160-40	MM160 - RATCHET SPRING PIN	1
43	PEL-MM80-43	MM80 - LEVER COVER SET	1	43	PEL-MM160-43	MM160 - LEVER COVER SET	1
82	PEL-MM80-82	MM80 - GEAR SIDE PLATE ASSY.	1	82	PEL-MM160-82	MM160 - GEAR SIDE PLATE ASSY.	1
83	PEL-MM80-83	MM80 - LEVER SIDE PLATE ASSY.	1	83	PEL-MM160-83	MM160 - LEVER SIDE PLATE ASSY.	1
85	PEL-MM80-85	MM80 - RATCHET SPRING	1	85	PEL-MM160-85	MM160 - RATCHET SPRING	1
87	PEL-MM80-87	MM80 - SPRING FOR FLOATING	1	87	PEL-MM160-87	MM160 - SPRING FOR FLOATING	1
88	PEL-MM80-88	MM80 - FEED HANDLE	1	88	PEL-MM160-88	MM160 - FEED HANDLE	1
91	PEL-MM80-91	MM80 - CHAIN STOPPER	1	91	PEL-MM160-91	MM160 - CHAIN STOPPER	1
92	PEL-MM80-92	MM80 - NAME PLATE	1	92	PEL-MM160-92	MM160 - NAME PLATE	1
	PEL-MM80-102	MM80 - CHECK WASHER	1		PEL-MM160-102		1
	PEL-MM80-103	MM80 - COUNTERSUNK BOLT	2	103	PEL-MM160-103	MM160 - COUNTERSUNK BOLT	2



MINI MITE II LEVER CHAIN HOIST PRODUCT 110512, 110513, 110515, 110516





MINI MITE II LEVER CHAIN HOIST PRODUCT 110512, 110513, 110515, 110516

REF.	PART NUMBER	DESCRIPTION	REQ.	REF	PART NUMBER	DESCRIPTION	REQ.
1	PEL-MM320-1	MM320 - TOP HOOK ASS' Y.	1	1	PEL-MM630-1	MM630 - TOP HOOK ASS' Y.	1
2	PEL-MM320-2	MM320 - SAFETY LATCH ASS'Y.	1	2	PEL-MM630-2	MM630 - SAFETY LATCH ASS'Y.	1
6	PEL-MM320-6	MM320 - TOP HOOK PIN	1	6	PEL-MM630-6	MM630 - TOP HOOK PIN	1
7	PEL-MM320-7	MM320 - BOTTOM HOOK ASS'Y.	1	63	PEL-MM630-63	MM630 - BOTTOM HOOK ASS'Y.	1
2	PEL-MM320-2	MM320 - SAFETY LATCH ASS'Y.	1	2	PEL-MM630-2	MM630 - SAFETY LATCH ASS'Y.	1
8	PEL-MM320-8	MM320 - CHAIN STOP BOLT ASS'Y'.	1	65	PEL-MM630-65	MM630 - IDLE SHEAVE	1
13	PEL-MM320-13	MM320 - HEX. NUT	8	66	PEL-MM630-66	MM630 - IDLE SHEAVE PIN	1
14	PEL-MM320-14	MM320 - SPRING WASHER	8	13	PEL-MM630-13	MM630 - HEX. NUT	8
18	PEL-MM320-18	MM320 - GEAR COVER ASS' Y.	1	14	PEL-MM630-14	MM630 - SPRING WASHER	8
19	PEL-MM320-19	MM320 - PINION SHAFT	1	18	PEL-MM630-18	MM630 - GEAR COVER ASS' Y.	1
20	PEL-MM320-20	MM320 - WASHER FOR PINION SHAFT	1	19	PEL-MM630-19	MM630 - PINION SHAFT	1
21	PEL-MM320-21	MM320 - HEX. CASTLE NUT	1	20	PEL-MM630-20	MM630 - WASHER FOR P SHAFT	1
22	PEL-MM320-22	MM320 - COTTER PIN	1	21	PEL-MM630-21	MM630 - HEX. CASTLE NUT	1
23	PEL-MM320-23	MM320 - 2ND & 3RD GEAR ASS'Y.	1PR	22	PEL-MM630-22	MM630 - COTTER PIN	1
24	PEL-MM320-24	MM320 - LOAD GEAR	1	23	PEL-MM630-23	MM630 - 2ND & 3RD GEAR ASS'Y.	1PR
25	PEL-MM320-25	MM320 - LOAD SHEAVE	1	24	PEL-MM630-24	MM630 - LOAD GEAR	1
26	PEL-MM320-26	MM320 - CHAIN GUIDE ASS'Y	1	25	PEL-MM630-25	MM630 - LOAD SHEAVE	1
27	PEL-MM320-27	MM320 - CHAIN STRIPPER	1	26	PEL-MM630-26	MM630 - CHAIN GUIDE ASS'Y	1
28	PEL-MM320-28	MM320 - DISC HUB	1	27	PEL-MM630-27	MM630 - CHAIN STRIPPER	1
29	PEL-MM320-29	MM320 - E-RING FOR DISC HUB	1	28	PEL-MM630-28	MM630 - DISC HUB	1
30	PEL-MM320-30	MM320 - RATCHET WHEEL	1	29	PEL-MM630-29	MM630 - E-RING FOR DISC HUB	1
31	PEL-MM320-31	MM320 - FRICTION DISC	2	30	PEL-MM630-30	MM630 - RATCHET WHEEL	1
33	PEL-MM320-33	MM320 - LEVER ASS' Y	1	31	PEL-MM630-31	MM630 - FRICTION DISC	2
34	PEL-MM320-34	MM320 - LEVER GRIP	1	33	PEL-MM630-33	MM630 - LEVER ASS' Y	1
92	PEL-MM320-92	MM320 - NAME PLATE	1	34	PEL-MM630-34	MM630 - LEVER GRIP	1
36	PEL-MM320-36	MM320 - HEX. NUT	2	92	PEL-MM630-92	MM630 - NAME PLATE	1
37	PEL-MM320-37	MM320 - SPRING WASHER	2	36	PEL-MM630-36	MM630 - HEX. NUT	2
38	PEL-MM320-38	MM320 - FEED GEAR	1	37	PEL-MM630-37	MM630 - SPRING WASHER	2
39	PEL-MM320-39	MM320 - RATCHET FOR FEED GEAR	1	38	PEL-MM630-38	MM630 - FEED GEAR	1
40	PEL-MM320-40	MM320 - RATCHET SPRING PIN	1	39	PEL-MM630-39	MM630 - RATCHET FEED GEAR	1
	PEL-MM320-43	MM320 - LEVER COVER SET	1	40		MM630 - RATCHET SPRING PIN	1
	PEL-MM320-82	MM320 - GEAR SIDE PLATE ASSY.	1	43	PEL-MM630-43	MM630 - LEVER COVER SET	1
83	PEL-MM320-83	MM320 - LEVER SIDE PLATE ASSY.	1	82	PEL-MM630-82	MM630 - GEAR SIDE PLATE ASSY.	1
	PEL-MM320-15	MM320 - PAWL	2		PEL-MM630-83	MM630 - LEVER SIDE PLATE ASSY.	1
16	PEL-MM320-16	MM320 - PAWL SPRING	2	15	PEL-MM630-15	MM630 - PAWL	2
	PEL-MM320-17	MM320 - E-RING FOR PAWL	2		PEL-MM630-16	MM630 - PAWL SPRING	2
	PEL-MM320-85	MM320 - RATCHET SPRING	1		PEL-MM630-17	MM630 - E-RING FOR PAWL	2
87	PEL-MM320-87	MM320 - SPRING FOR FLOATING	1		PEL-MM630-85	MM630 - RATCHET SPRING	1
	PEL-MM320-88	MM320 - FEED HANDLE	1		PEL-MM630-87	MM630 - SPRING FOR FLOATING	1
	PEL-MM320-91	MM320 - CHAIN STOPPER	1		PEL-MM630-88	MM630 - FEED HANDLE	1
		MM320 - CHECK WASHER	1		PEL-MM630-91	MM630 - CHAIN STOPPER	1
.02						MM630 - CHECK WASHER	1
103	PEL-MM320-103	MM320 - COUNTERSUNK BOLT OLD STYLE BLACK HEAD	2			MM630 - COUNTERSUNK BOLT	2
							-