

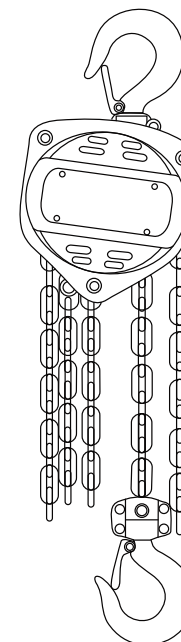


Sumner Manufacturing Co., LLC
7514 Alabonson Road
Houston, Texas 77088
Phone Number: 1.281.999.6900

7/19 (PCB100WO/PCB150WO/PCB200WO/
PCB300WO /PCB500WO/PCB1KWO/PCB1.5KWO/
PCB2KWO)



OPERATING INSTRUCTIONS AND PARTS MANUAL
PREMIUM CHAIN BLOCK SERIES HOIST W/ OVERLOAD
(PCB100WO/PCB150WO/PCB200WO/PCB300WO
/PCB500WO/PCB1KWO/PCB1.5KWO/PCB2KWO)



PCB100WO

(Models shown are representative of the series)



READ AND UNDERSTAND ALL
THE INSTRUCTIONS AND SAFETY INFORMATION IN
THIS MANUAL BEFORE OPERATING OR
SERVICING THIS TOOL



TABLE OF CONTENTS

Important Safety Information	2-5
Description of Operation.....	6
Specifications	
PCB100WO/PCB150WO/PCB200WO/PCB300WO/ PCB500WO/PCB1KWO/PCB1.5KWO/PCB2KWO.....	7
Operation.....	8
Inspections.....	17
Wear Limits.....	18-19
Replacement Parts.....	20
Exploded Parts Diagram	
PCB100WO- Parts List.....	22
PCB150WO- Parts List.....	23
PCB200WO- Parts List.....	24
PCB300WO- Parts List.....	25
PCB500WO- Parts List.....	26
PCB1KWO- Parts List.....	27
PCB1.5KWO- Parts List.....	28
PCB2KWO- Parts List.....	29
Warranty.....	30-31

SAFETY FIRST

Safety is essential in the use and maintenance of Sumner Equipment. This instruction manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all the safety information provided.

SAFETY ALERT SYMBOLS

These symbols are used to call attention to hazards or unsafe practices related that could result in injury or property damage. The three safety words defined below indicate the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.



DANGER - Immediate hazards that if not avoided **WILL** result in severe injury or death



WARNING - Hazards that if not avoided **COULD** result in severe injury or death



CAUTION - Hazards or unsafe practices that, if not avoided **MAY** result in severe injury or death

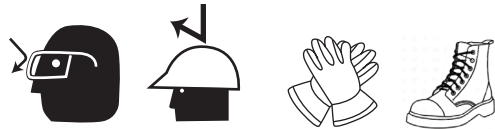
IMPORTANT SAFETY INFORMATION



⚠ WARNING

- Read and understand all instructions and safety information in this manual before operating or servicing this tool.

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN SEVERE INJURY OR DEATH



⚠ WARNING - Personal Safety Hazards

- Only qualified persons should use the Sumner Premium Chain Block Series PCB Hoist w/ Overload Protection.
- Wear eye protection, hard hat, cut resistant gloves and safety toe shoes when using this tool.
- Do not use tool while tired or under the influence of drugs, alcohol, or medication.
- Keep body parts and loose clothing away from moving parts.
- Always follow safety procedures as shown in this manual.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ DANGER : Electrical Shock Hazards



- This is not an insulated tool, contact with live circuits could result in severe injury or death.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

IMPORTANT SAFETY INFORMATION

⚠ WARNING: Entanglement Hazard



- Do not operate this tool while wearing loose fitting clothing. Retain long hair.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

⚠ WARNING: Tool Use Hazards

- Use this tool for the manufacturers intended purpose only. Use other than that described in this manual can result in injury or property damage.
- Only qualified personnel should configure and use the Sumner Premium Chain Block Hoist w/ Overload Protection.
- This hoist is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safeoperation of a chain block hoist, do not use until proper training and knowledge have been obtained.
- Do not use to lift, support or transport people; or to lift or support loads over people.
- Do not exceed the rated capacity of the hoist.
- Do not use the chain as a sling. This may cause damage to the chain.
- Always inspect the hoist for damage prior to use. If hoist is damaged, do not use until it has been repaired or replaced.
- Do not use more than one hoist to lift or move a load. If this is unavoidable, each hoist must have the same capacity as the load to be moved.
- Never allow chain to “set” over sharp edges. All pulls or lifts must be made with straight chain that is free of obstacles.
- If the hoist is difficult to operate, then the load exceeds the capacity of the hoist. Reduce load or select a hoist of larger capacity.
- Do not use hoist if the chain is twisted, kinked or damaged.
- Do not operate hoist unless load is centered between top and bottom hooks.

INTRODUCTION

- On hoists with overload protection, do not use this device to measure load weight.
- Always take time to study the job to be performed and choose the safest method. Do not place yourself or other people in an unsafe position.
- Always Maintain your balance and firm footing when operating the hoist.
- Leave all internal maintenance and inspections to a qualified Sumner Service Center.
- Do not attempt to lengthen or repair load chain. Replace chain with factory replacement chain only. Do not use any other type of chain.
- If welding near the hoist, do not allow the chain or hook to be touched by a live electrode. Prevent weld splatter upon the chain.
- Never use the hoist if either hook is stretched, deformed, or has a broken or missing safety latch. Always replace the safety latch and/or the hook before placing the hoist back in service.
- Be sure supporting structures and load-attaching devices used in conjunction with this hoist provide an adequate safety factor to handle the rated load plus the weight of the equipment. If in doubt, consult a qualified structural engineer.
- Keep visitors a safe distance from the work area. Keep children away.
- Stand to one side of the load being lifted and make sure no one else is standing underneath when lifting a load. Should a load slip, it will descend at a high rate of speed and can cause serious injuries to anyone standing directly underneath.
- Understand and follow all procedures as set forth in American National Standards titled "Performance Standard for Hand Chain Manually Operated Chain Hoists." ANSI/ASME HST-2; and "Overhead Hoists (Underhung)," ANSI/ASME B30.16. These standards are available through the American Society of Mechanical Engineers, www.ASME.org.

FAILURE TO OBSERVE THESE WARNINGS CAN RESULT IN SEVERE INJURY OR DEATH.

CAUTION

- Do not use if any parts are damaged as this can cause an unsafe condition and lead to tool malfunction or failure.
- If tool is in disrepair, **DO NOT USE**. Have tool inspected and repaired prior to use.

FAILURE TO OBSERVE THESE CAUTIONS CAN RESULT IN INJURY OR PROPERTY DAMAGE

Description of Operation

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <http://www.p65warnings.ca.gov>.

PURPOSE OF THIS MANUAL

This manual is intended to familiarize all personnel with the safe installation and operation of the following:
PREMIUM CHAIN BLOCK SERIES HOIST W/ OVERLOAD.

Keep this manual available to all personnel. Replacement manuals are available upon request at no charge at www.sumner.com.

Description of Operation

This manual is provided by Sumner covering the safe operation and maintenance procedures for the Sumner Premium Chain Block Series Hoists w/ Overload Protection. This manual contains instructions on installation, safety precautions, general operating procedures, maintenance instructions and parts breakdown. This tool has been designed and constructed to provide consistent, long-term operation if used in accordance with instructions set forth in this manual.

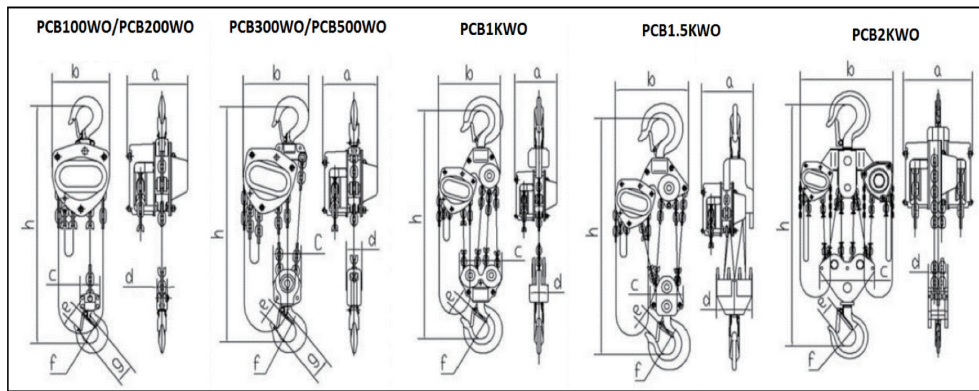
The Chain Block Series Hoists are all steel construction with a powder coat finish and have a completely enclosed Weston-type automatic brake system.

The Premium Chain Block Series Hoists are proof-tested and comply with OSHA, ANSI/ASME B30.16 and HST-2 standards.

If there are any questions or comments, please contact either your local supplier or Sumner Manufacturing. Sumner can also be reached at our web site: www.sumner.com.

The specifications in this manual were current at time of publication, but because of our policy of continuous improvement, Sumner reserves the right to change specifications at any time and without prior notice, without incurring obligations.

SPECIFICATIONS



Premium Chain Block Hoist with Overload 1-Ton through 20-Ton															
Stock Number	Model Number	Rated Capacity (Ton)	Std. Lift (ft.)	Min. Distance between hooks (in.) "h"	No. of falls	Load Chain (mm)	Pull to Rated Load (lb)	Body Depth (in.) "a"	Body Width (in.) "b"	Bottom Hook Mount Width (in.) "c"	Bottom Hook Mount Depth (in.) "d"	Hook Throat Opening (in.) "e"	Base Hook Opening (in.) "f"	Hook Opening Center Point (in.) "g"	Net Weight (lbs)
787448	PCB100C10WO	1	10	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	27.28
787449	PCB100C15WO	1	15	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	33.88
787450	PCB100C20WO	1	20	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	40.48
787451	PCB100C30WO	1	30	13.38	1	6.3 x 19	69.24	6.73	6.33	1.98	1.18	1.29	1.57	1.77	47.68
787452	PCB150C10WO	1.50	10	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	34.32
787453	PCB150C15WO	1.50	15	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	42.02
787454	PCB150C20WO	1.50	20	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	49.72
787455	PCB150C30WO	1.50	30	14.76	1	7.1 x 21	73.96	7.00	7.16	2.49	1.33	1.31	1.65	1.86	65.12
787456	PCB200C10WO	2	10	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	44.00
787457	PCB200C15WO	2	15	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	52.43
787458	PCB200C20WO	2	20	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	60.86
787459	PCB200C30WO	2	30	16.33	1	8 x 24	84.30	7.55	7.95	2.49	1.33	1.45	1.81	2.05	77.72
787460	PCB300C10WO	3	10	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	52.80
787461	PCB300C15WO	3	15	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	64.53
787462	PCB300C20WO	3	20	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	76.26
787463	PCB300C30WO	3	30	20.27	2	7.1 x 21	76.65	7.08	9.25	4.13	2.08	1.71	2.04	2.45	99.72
787464	PCB500C10WO	5	10	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	90.20
787465	PCB500C15WO	5	15	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	106.33
787466	PCB500C20WO	5	20	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	122.46
787467	PCB500C30WO	5	30	26.37	2	9 x 27	75.31	7.87	11.10	5.18	2.51	2.00	2.36	3.06	154.72
787468	PCB1K10WO	10	10	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		217.80
787469	PCB1K15WO	10	15	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		246.76
787470	PCB1K20WO	10	20	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		275.72
787471	PCB1K30WO	10	30	34.05	4	9 x 27	79.35	7.87	14.17	10.25	3.74	2.51	3.34		333.64
787472	PCB1.5K10WO	15	10	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		336.60
787473	PCB1.5K15WO	15	15	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		378.40
787474	PCB1.5K20WO	15	20	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		420.20
787475	PCB1.5K30WO	15	30	39.37	6	9 x 27	81.60	8.66	19.37	4.29	6.69	3.14	3.93		503.80
787476	PCB2K10WO	20	10	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		451.00
787477	PCB2K15WO	20	15	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		508.93
787478	PCB2K20WO	20	20	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		566.86
787479	PCB2K30WO	20	30	45.27	8	9 x 27	79.35	8.66	25.78	11.15	4.84	3.22	4.33		682.72

OPERATION

- Support for the hoist may be hook, clevis pin, trolley, or beam clamp. Whatever method of suspension is chosen, the support components must be rated equal to, or greater than the capacity of the chain hoist.
 - If the chain hoist has not been used for an extended period of time, check for proper operation before putting into service.
 - The brake mechanism must be kept clean and free from dirt, water, and oil. Never allow oil to penetrate the brake mechanism. Always keep your chain hoist clean and store in a clean, dry location.
 - Although oiling the chain is not mandatory, a light coat of 30W oil applied periodically to the chain will create easier operation and prolong the life of the chain.
 - Check the chain for damage and elongation. Replace damaged chain before using the chain hoist.
- NOTE:** The load chain supplied with your Sumner chain hoist is designed, manufactured, and tested for proper fit and durability. Over a period of time, the chain may need to be replaced. For your own safety, use factory replacement chain only.

WARNING: Use of other than factory replacement chain may cause serious injury and/or damage to the hoist.

- The top and bottom hooks on your Sumner chain hoist are designed to open to warn of an overload. Both top and bottom hooks (1T to 5T models) have indicator points cast into the hook per FIG 1. The measurement between indicator points must fall below the limit shown in FIG 16. If it exceeds the limit, the hook must be replaced. Hooks for 15 and 20-Ton hoists do not have indicator points. Measurements are made at the jaw opening.

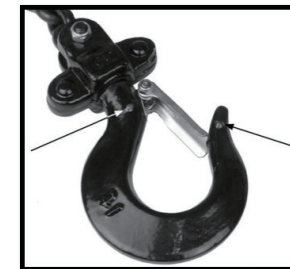


FIG 1

OPERATION

7. It is important to check top and bottom hooks for proper opening. If the safety latch no longer contacts the hook opening, replace the hook.

⚠ WARNING: Never side load the top or bottom hook; this is dangerous and could lead to serious injury.

8. If the vertical angle at the neck of the bottom or top hook reaches 10° per FIG 2, replace the hook.

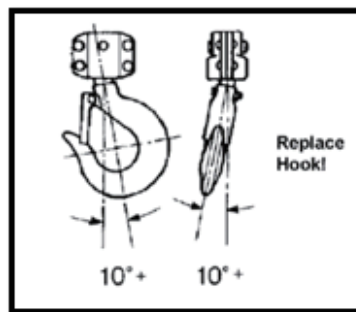


FIG 2

HOOK SECURING

1. Secure the upper hook.
2. Place the bottom hook securely into the object to be lifted.
3. Place ropes or chain in the center of the bottom hook, making sure the safety latch is secure. Never load the hook in front of the safety latch. See FIG 3.

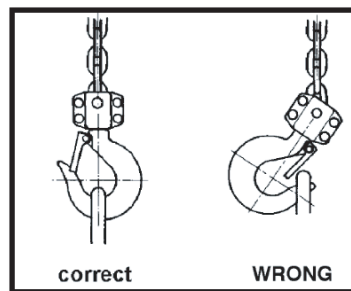


FIG 3

OPERATION

1. Avoid lifting one load with two hoists. If this is unavoidable, apply equal weight to both hoists and use hoists with the proper lift capacity. Capacity of each hoist must be equal to the total load to be lifted.
2. Check that the chain is not twisted at the bottom hook. All welds should face the same direction FIG 4.
3. For hoists with two or more falls of chain, make sure the bottom hook is not capsized (turned over). This may cause the chain to twist.

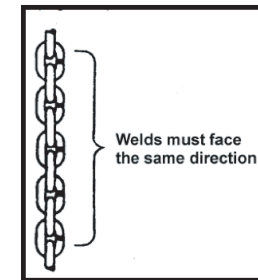


FIG 4

LOAD RAISING

To raise load, pull right side of hand chain (A, FIG 5) so that wheel turns clockwise. To lower load, pull left side of hand chain (B, FIG 5) so that wheel turns counterclockwise.

NOTE: Make sure hoist has an adequate length of load chain to raise or lower the load in a safe manner. Do not attempt to lower hoist beyond its limit.

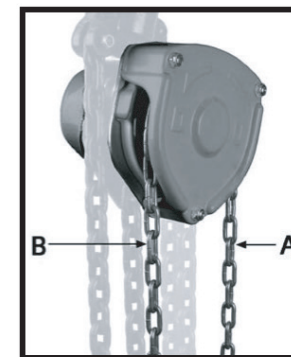


FIG 5

HAND CHAIN LENGTH ADJUSTMENT

To cut hand chain in order to lengthen or shorten:

1. Insert one link lengthwise into a vise (FIG 6). Be sure that the side opposite the weld lies completely below surface of vise jaw (about 1/3 of a link). This prevents nicking or cutting the lower part of the link.

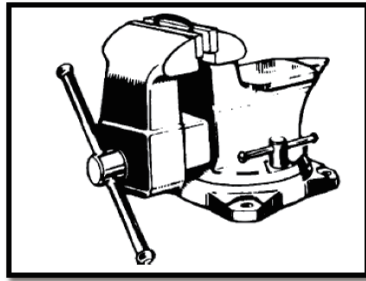


FIG 6

2. Using a hack saw, cut through upper part of link at the weld.
3. Loosen the link, reposition link vertically at edge of vise with the level of the cut above the vise jaw (FIG 7).

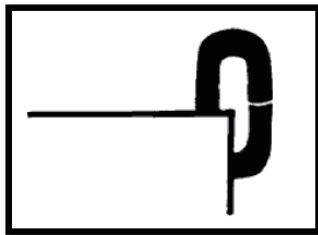


FIG 7

4. Tighten vise jaw.
5. Using an adjustable wrench, twist the link horizontally from front to back (FIG 8). Open just far enough to insert (or remove) a second chain link.

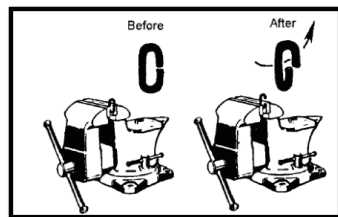


FIG 8

11

NOTE: Chain length is now ready to lengthen or shorten.

6. Insert (or remove) the second end link at the opening in the first end link.

7. Using an adjustable wrench, twist the link horizontally until the link is in the original closed position. See FIG 9.

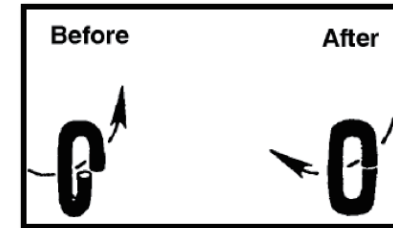


FIG 9

CAUTION : Do not push the link inward from the curved ends. This will distort the link. Check that the link is closed and free of twist.

8. If installing entire new chain, insert end of hand chain into groove at top of hand chain wheel (see FIG 10). Rotate handwheel and pull chain through.

9. Re-weld the link at the cut.

10. Grind off excess on weld so that it is smooth.

WARNING : Do not operate the hoist with a twisted, kinked or damaged load chain. Do not splice the load chain. Check the chain for excessive wear or stretch. Failure to comply may cause serious injury.

12

LOAD CHAIN INSPECTION

Over time, the load chain will wear or elongate. This can cause damage to the hoist, breakage, or non-engagement of the load sheave.

⚠ WARNING : Do not operate the hoist with a twisted, kinked or damaged load chain. Do not splice load chain. Check the chain for excessive wear or stretch. Failure to comply may cause serious injury.

To inspect the load chain for wear:

1. Test the hoist under load in both the lifting and lowering directions, observing the operation of chain and sprockets. Chain should feed smoothly into and away from the sprockets.
2. If the chain binds, jumps, or is noisy, make sure it is clean and properly lubricated. If the trouble persists, inspect the chain and mating parts for wear, distortion, or other damage.
3. Clean the chain before inspection. Examine for gouges, nicks, weld splatter, corrosion, and distorted links. Slacken the chain and move adjacent links to one side, looking for wear at the contact points. If you see wear or suspect stretching, measure the chain as explained in FIG 15. If chain matches or exceeds the limit shown in the table, replace the load chain before using the hoist.
 - Select an unworn, unstretched length of chain (i.e. at the slack end).
 - Suspend the chain vertically under tension and, using a caliper type gauge, measure the outside length of several links about 12 to 24 inches.
 - Measure the same number of links in used sections and calculate the percentage of the increase in length.
4. If the length of used chain exceeds 2-1/2 percent of the unused chain, replace the chain. (See "Load Limits" on FIG 15 for specific link measurements.)

⚠ WARNING : Do not add to the load chain. Replace entire chain. Failure to comply may cause serious injury.

LOAD CHAIN REMOVAL

- Remove the old load chain as follows while referring to FIG 11
1. Remove the cotter pin (A) and the chain anchor pin (C) on the chain anchor (D), allowing the end of the chain to fall free.
 2. Pull the hand chain (FIG 5) until load chain is completely removed from gear assembly.

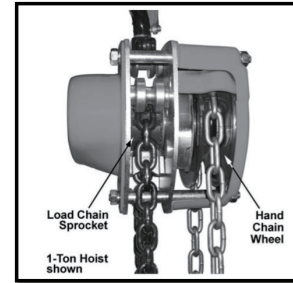


FIG 10

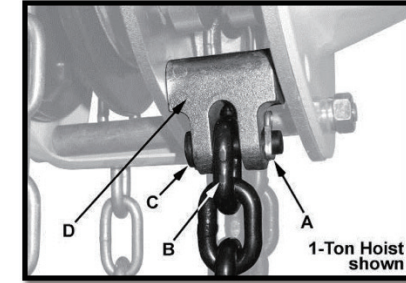


FIG 11

ATTACHING LOAD CHAIN TO LOAD CHAIN SPROCKET (ALL MODELS)

Install new load chain onto load chain sprocket as follows, referring to FIG 10:

1. Position the load chain sprocket (E) by rotating hand chain wheel (F) so that the wide and narrow grooves show.
2. Insert the load chain into the sprocket grooves so that chain will wind up and back over the sprocket. Welds must face away from the sprocket.
3. Rotate hand chain wheel so that load chain falls six to eight inches at back of sprocket.

Referring to FIG 11:

4. Insert one end of chain link (B) into chain anchor (D).
5. Insert the chain anchor pin (C) through the chain anchor (D) and chain link (B) and secure with the cotter pin (A). Continue to Chain Installation that applies to your hoist.

Continue with Load Chain and Bottom Hook Installation on the following page, proceeding to the section that applies to your hoist: 1 to 2-Ton hoists, 3 to 5-Ton hoists, or 10 to 20-Ton Hoists.

COMPLETING LOAD CHAIN INSTALLATION

The following procedure assumes that the load chain has been attached to the chain anchor and fed through the load chain sprocket as described in the previous section. This procedure will complete the load chain and bottom hook installation.

CHAIN INSTALLATION: 1T THRU 2T

Refer to FIG 12

1. Remove lock nut and bolt (D) from lower hook.
2. Insert the last chain link (C) into lower hook slot.
3. Re-insert bolt through lower hook slot and chain link.
4. Install lock nut onto bolt and tighten.

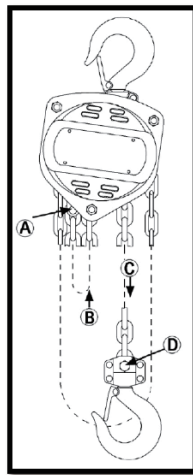


FIG 12

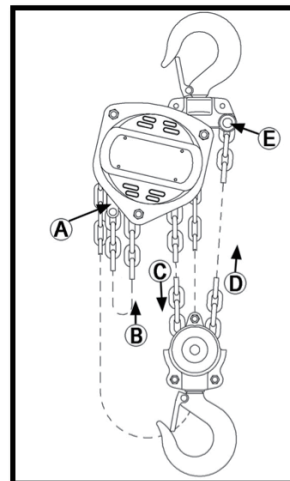


FIG 13

CHAIN INSTALLATION: 3T AND 5T

Refer to FIG 13

1. After installing the load chain into load chain sprocket (B), run the remaining chain through your hand to remove any twist. The last link of the chain must be in the same direction as the first. If not, cut off the last link.
2. Insert the last link into pulley of lower hook (C).
3. Pull load chain through and up from underside of pulley (C, D).
4. Remove lock nut and chain anchor pin in upper hook slot (E).
5. Insert the last link into upper hook slot.
6. Check that load chain is not twisted.
7. Reinstall chain anchor pin through upper hook slot and last chain link, and secure with the lock nut.

CHAIN INSTALLATION: 10T- 20T

Refer to FIG 14

1. After installing load chain into load chain sprocket (B), run the remaining chain through your hand to remove any twist. The last link of the chain must be in the same direction as the first. If not, cut off the last link.
 2. Insert the last link into the left pulley of the lower hook (C).
 3. Pull the load chain through and up from underside of the pulley (C, D).
 4. Insert the last link into the right-hand pulley of the upper hook, moving the chain up, then around and down (D, E). Check that the load chain is not twisted, and welds face away from the pulley. To prevent the chain from free-wheeling, insert a screwdriver securely into a link at the base of the upper pulley (left side).
 5. Insert the last link into the right-side pulley of the lower hook, pulling around, then up from the underside of the pulley (E, F). Check that the load chain is not twisted, and welds face away from the pulley.
 6. Remove the cotter pin and chain anchor pin in the upper hook slot (G). Remove the lock nut and chain anchor pin in upper hook slot (G).
 7. Insert the last link into the upper hook slot.
 8. Check that load chain is not twisted.
- Re-position the chain anchor pin back through the upper hook slot and the last chain link and secure with the cotter pin.

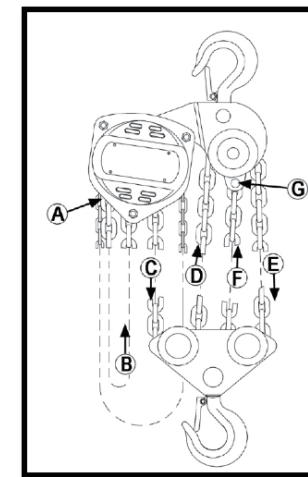


FIG 14

Overload Protection

Some models of the PCB Chain Hoist have overload protection in the form of a slip clutch (these are identified by “WO” in the model number). The slip clutch is effective at 160% +/-20% of the rated hoist capacity. The slip clutch will allow the hand chain pulley to move without lifting the load, if the load is too heavy for the hoist. The slip clutch has been pre-adjusted at the factory and should not require any adjustment by the user. If future adjustment or repair to the slip clutch should ever be needed, this must be done by qualified personnel.

INSPECTION AND MAINTENANCE

Read and follow ANSI Inspection and Maintenance Instructions. Know the meaning of Frequent Inspection, Periodic Inspection, Normal Service, Heavy Service, and Severe Service. It is the customer’s responsibility to understand and follow all ANSI and Sumner inspection and maintenance instructions.

⚠ WARNING - All repairs and adjustments are to be performed by trained and experienced personnel using procedures that are approved for the hoist system being serviced.

⚠ WARNING - All safety related deficiencies discovered in the inspection are to be corrected before the hoist is placed back into service.

⚠ WARNING - Check for internal damage whenever external damage has occurred. Failure to comply may cause serious injury.

1. Clean hoist after each use and oil lightly.
2. Do not drop or drag the hoist.
3. Store the hoist in a clean and dry environment.
4. Chain oiling is not mandatory but will increase the life of the chain.
5. Leave all repairs and adjustments of internal parts to qualified repair personnel.

6. Inspect the load chain and the lower hook after lifting a maximum weight load.
7. This hoist uses special alloy hoisting chain and does not interchange with any other manufacturer. All replacement chain must be purchased from your Sumner distributor or from Sumner directly by calling 1-281-999-6900.
8. Check and inspect the brake system frequently.
9. Annually, the hoist should be disassembled, inspected, and cleaned by trained and experienced personnel only. Contact a Sumner authorized service center by calling your dealer or visiting our web site at www.sumner.com.
10. After servicing, test the hoist with no load, then test the hoist with a load.

LOAD AND WEAR LIMITS

ALLOY STEEL CHAIN:

Carefully inspect entire load chain. As illustrated in FIG 15 and table below, measure five consecutive links with calipers to measure the length. Check every three feet and especially where excessive wear is indicated. Any load chain that shows noticeable deformation or heat influence must be replaced with a new one. Never extend load chain by welding a second piece to the original.

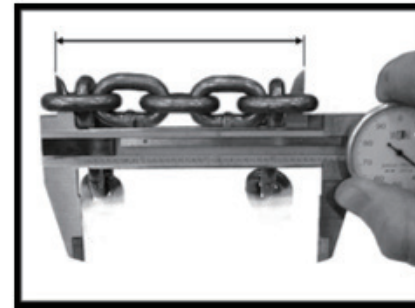


FIG 15

Capacity	5 Links Normal (in)	5 Links Limit (in)
1 ton	3.74"	3.85"
1.5 ton	4.13"	4.25"
2 ton	4.72"	4.86"
3 ton	4.13"	4.25"
5 ton	5.31"	5.47"
10 ton	5.31"	5.47"
15 ton	5.31"	5.47"
20 ton	5.31"	5.47"

HOOK WEAR LIMITS (TOP and BOTTOM)

Replace hook when “A” measurement is equal to or greater than the “A” Limit in FIG 16 and the table below. Never heat treat the hook or attach anything to the hook by welding.

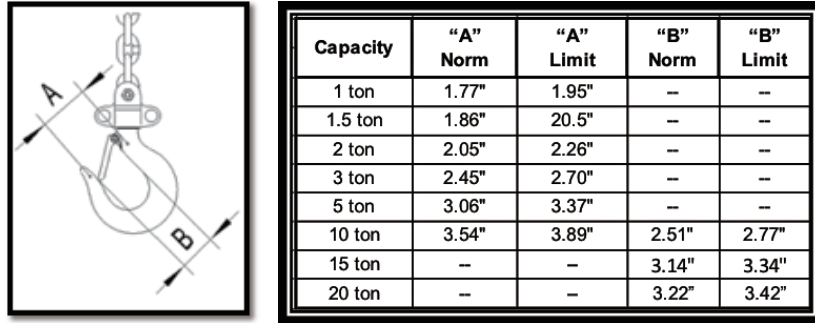


FIG 16

BRAKE DISK

Refer to FIG 17 and chart below for Replacement limits of the disk brake.

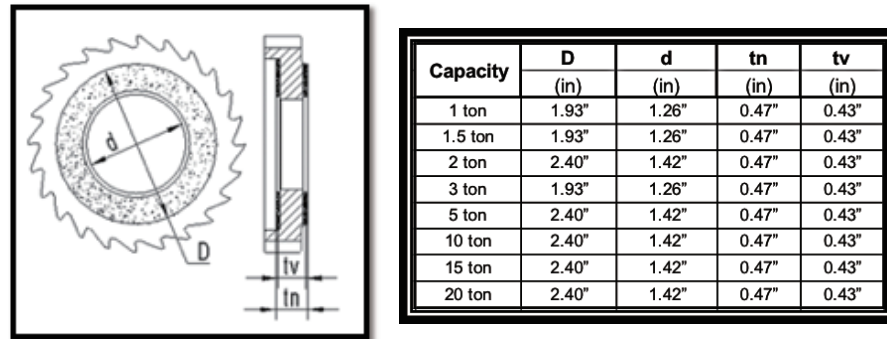


FIG 17

d = inner diameter
D = outer diameter
tn = normal measurement
tv = replacement limit

TIMING MARKS FOR GEAR REPLACEMENT

If the gears on the Chain Block Hoist need replacement or removal for any reason, make sure they are re-installed correctly. (FIG 18) shows the proper orientation of the timing marks when meshing the gears.

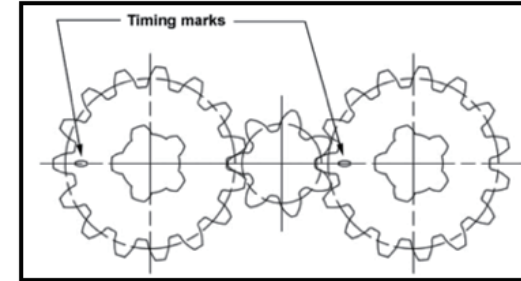


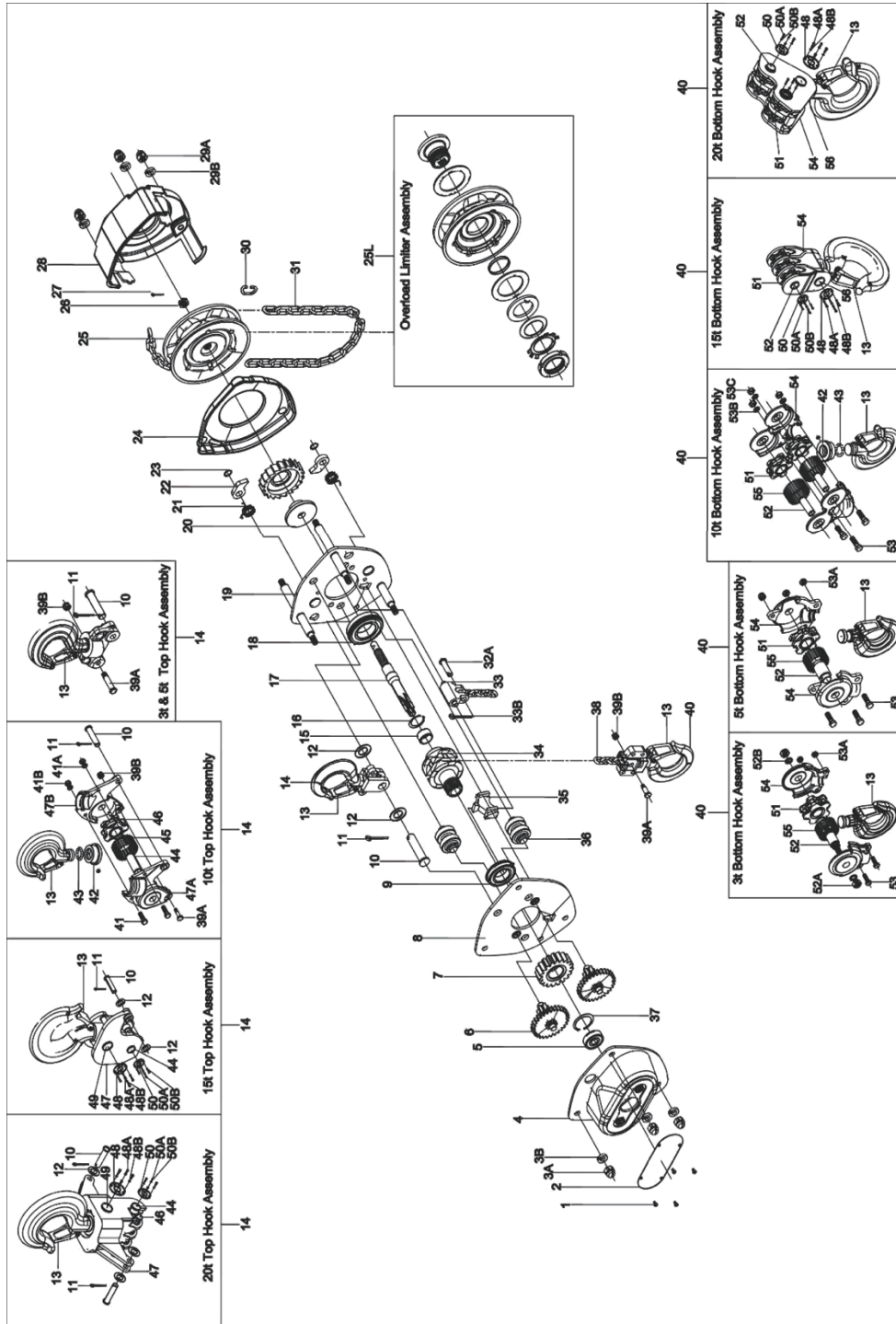
FIG 18

REPLACEMENT PARTS

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-281-999-6900 Monday through Friday (see our website for business hours, www.sumner.com). Having the Model Number and Serial Number of your hoist available when you call will allow us to serve you quickly and accurately.

Non-proprietary parts, such as fasteners, can be found at local hardware stores. McMaster- Carr reference numbers are provided for hardware specifications. Some parts are shown for reference only and may not be available individually.

PCB100WO through PCB2KWO – EXPLODED VIEW



PCB100WO	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	4	78830	McMaster 9735AA101	K300-1	Rivet - Low Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	661165883107
2	1	788754		K300-2	Name Plate	661165887543
3A	3	788414	McMaster 9916AA102	K300-3A	Acorn Nut - High-Strength Steel Cap Nut, Class 10, Zinc-Plated, M8 x 1.25 mm Thread	661165884142
3B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
4	1	788757		K300-4	Gear Cover Assembly	661165887570
5	1	788758		#10x#50W	Seal Type Caged Ball Bearing	661165887587
6	2	788759		K300-6	Spur Gear Assembly	661165887594
7	1	788760		K300-7	Load Gear	661165887600
8	1	788761		K300-8	Gear Side Plate Assembly	661165887617
9	1	788762		#925x#74x2	Seal Type Caged Ball Bearing	661165887624
10	1	788763		K300-10	Top Hook Shaft	661165887631
11	1	788764	McMaster 98300A210	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
12	2	788765	McMaster 99413A390		Washer - Black Ultra-Corrosion Resistant Coated Steel Washer for M12 Screw Size, 13 mm ID, 24 mm OD	
13	2	788765		K300-13	Casting Safety Latch Assembly	661165887655
14	1	788766		K300-14	Top Hook Assembly	661165887662
15	0	788767		HK1512(#21)	Needle Bearing	661165887679
16	1	788735	McMaster 98541A463	K300-16	C-Clip	661165887358
17	1	788768		K300-17	Drive Shaft	661165887686
18	1	788769		#30x#54x3	Seal Type Caged Ball Bearing	661165887693
19	1	788770		K300-19	Wheel Side Plate Assembly	661165887709
20	0	788771		K300-20	Disc Hub	661165887716
21	2	788772		K300-21	Pawl Spring	661165887723
22	2	788773		K500-22	Pawl	661165887730
23	2	788774	McMaster 98541A118	K500-23	Snap Ring - External Retaining Ring for 10 mm OD, Black Phosphate 1060-1090 Spring Steel	661165887747
24	1	788775		K100-24	Dust Cover	661165887754
25	0	788776		K100-25	Hand Chain Wheel	
25L	1	788929		K100-25L	Overload Limiter Assembly	661165889291
26	1	788349	McMaster 91760A222	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pin, Medium-Strength, Class 8, M8 x 1.25 mm Thread	661165883497
27	1	788711	McMaster 98390A260	K500-27	Split Pin - Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
28	1	788777		K100-28	Hand Wheel Cover Assembly	661165887778
29A	3	788414	McMaster 9916AA102	K300-3A	Acorn Nut	661165884142
29B	3	788413	McMaster 93279A200	K300-3B	Lock Washer	661165884135
30	1	788746		#5x25	Connecting Link	661165887464
31	As Req'd	788748		#5x25	Hand Chain	661165887484
32A	0	788778		K100-32A	Anchor Pin	661165887785
32B	1	788715	McMaster 98390A150	K050-32B	Split Pin - Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 12mm Long	661165887150
33	1	788779		K100-33	Anchor Plate	661165887792
34	1	788780		K100-34	Load Sheave	661165887808
35	1	788781		K100-35	Stripper	661165887815
36	2	788782		K100-36	Guide Roller	661165887822
37	1	788583	McMaster 98541A130	K300-37	Snap Ring - External Retaining Ring for 28 mm OD, Black Phosphate 1060-1090 Spring Steel	661165885835
38	As Req'd	788783		#6 3x19	Load Chain	661165887839
39A	1	788784		K100-39A	Load Pin	661165887846
39B	1	788754	McMaster 90576A115	M6	Lock Nut	661165887549
40	1	788785		K100-40	Bottom Hook Assembly	661165887853
41	0				Socket Head Cap Screw	
41A	0				Lock Washer	
41B	0				Hexagon Nut	
42	0				Hook Collar Assembly	
43	0				Steel Ball	
44	0				Top Idle Shaft	
45	0				Roller Pin	
46	0				Top Idle Sheave	
47	0				Top Hook Holder	
47A	0				Left Top Hook Holder	
47B	0				Right Top Hook Holder	
48	0				Slotted Baffle	
48A	0				Hexagon Socket Head Cap Screw	
48B	0				Lock Washer	
49	0				Hook Shaft	
50	0				Slotted Baffle	
50A	0				Hexagon Socket Head Cap Screw	
50B	0				Lock Washer	
51	0				Bottom Idle Sheave	
52	0				Bottom Idle Shaft	
52A	0				Lock Nut	
52B	0				Washer	
53	0				Socket Head Cap Screw	
53A	0				Lock Nut	
53B	0				Lock Washer	
53C	0				Hexagon Nut	
54	0				Bottom Hook Holder	
55	0				Roller Pin	
56	0				Bottom Hook Shaft	

PCB150WD	Quantity	Stock #	Reference	MODEL	Manufacturer Stock #	DESCRIPTION	UPC
1	4	78810	McMaster 9735A101	K500-1	K500-1	Rivet + Low Profile Flat Head Solid Rivets, Ø.119" Diameter, for 0.16" Maximum Material Thickness	66116588107
	0						
2	1	788786		K150-2	K150-2	Name Plate	661165887860
	0						
3A	3	788414	McMaster 9916A4102	K300-3A	K300-3A	Acorn Nut + High-Strength Steel Cap Nut, Class 10, Zinc-Plated, M8 x 1.25 mm Thread	661165884142
	0						
3B	3	788413	McMaster 93279A200	K300-3B	K300-3B	Lock Washer	661165884135
	0						
4	1	788787		K300-4	K300-4	Gear Cover Assembly	661165887877
	0						
5	1	788758		Ø10xØ30x9	Ø10xØ30x9	Seal Type Caged Ball Bearing	661165887587
	0						
6	2	788788		K300-6	K300-6	Spur Gear Assembly	661165887884
	0						
7	1	788789		K300-7	K300-7	Load Gear	661165887891
	0						
8	1	788790		K300-8	K300-8	Gear Side Plate Assembly	661165887907
	0						
9	1	788791		Ø10xØ5x11	Ø10xØ5x11	Seal Type Caged Ball Bearing	661165887914
	0						
10	1	788792		K150-10	K150-10	Top Hook Shaft	661165887921
	0						
11	1	788764	McMaster 98350A210	K300-11	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0						
12	2	788793	McMaster 9145A170	Ø16.5xØ25x4	Ø16.5xØ25x4	Washer + Class 10.9 Steel Washer, Zinc- Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0						
13	2	788794		K150-13	K150-13	Casting Safety Latch Assembly	661165887945
	0						
14	1	788795		K150-14	K150-14	Top Hook Assembly	661165887952
	0						
15	1	788787		HK1512(B21)	HK1512(B21)	Needle Bearing	661165887879
	0						
16	1	788735	McMaster 98541A463	K300-16	K300-16	C-Clip	661165887358
	0						
17	1	788786		K300-17	K300-17	Drive Shaft	661165887869
	0						
18	1	788769		Ø30xØ55x13	Ø30xØ55x13	Seal Type Caged Ball Bearing	661165887693
	0						
19	1	788797		K300-19	K300-19	Wheel Side Plate Assembly	661165887976
	0						
20	1	788771		K100-20	K100-20	Disc Hub	661165887716
	0						
21	2	788772		K300-21	K300-21	Pawl Spring	661165887723
	0						
22	2	788773		K500-22	K500-22	Pawl	661165887730
	0						
23	2	788774	McMaster 98541A118	K500-23	K500-23	Snap Ring - External Retaining Ring for 10 mm OD, Black Phosphate 1060-1090 Spring Steel	661165887747
	0						
24	1	788798		K300-24	K300-24	Dust Cover	661165887983
	0						
25	0	788799		K300-25	K300-25	Hand Chain Wheel	661165887990
	0						
25L	1	788930		K300-25L	K300-25L	Overload Limiter Assembly	661165889307
	0						
26	1	788349	McMaster 93760A222	K300-26	K300-26	Pinion Nut - Castle Nut Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M8 x 1.25 mm Thread	661165883497
	0						
27	1	788711	McMaster 98350A260	K500-27	K500-27	Split Pin + Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0						
28	1	788800		K300-28	K300-28	Hand Wheel Cover Assembly	661165888003
	0						
29A	3	788414	McMaster 9916A4102	K300-3A	K300-3A	Acorn Nut	661165884142
	0						
29B	3	788413	McMaster 93279A200	K300-3B	K300-3B	Lock Washer	661165884135
	0						
30	1	788746		Ø5x25	Ø5x25	Connecting Link	661165887464
	0						
31	As Req'd Per Foot	788746		Ø5x25	Ø5x25	Hand Chain	661165887464
	1	788801		K300-32A	K300-32A	Anchor Pin	661165888010
32A	0						
	0						
32B	1	788425	McMaster 98350A316	K300-32B	K300-32B	Split Pin + Cotter Pin, 18-8 Stainless Steel, 2mm Diameter, 16mm Long	661165884258
	0						
33	1	788802		K300-33	K300-33	Anchor Plate	661165888027
	0						
34	1	788803		K300-34	K300-34	Load Sheave	661165888034
	0						
35	1	788804		K300-35	K300-35	Stripper	661165888041
	0						
36	2	788805		K300-36	K300-36	Guide Roller	661165888058
	0						
37	1	788533	McMaster 98541A139	K500-37	K500-37	Snap Ring + External Retaining Ring for 32 mm OD, Black Phosphate 1060-1090 Spring Steel	661165885330
	0						
38	As Req'd Per Foot	788806		Ø7.1x21	Ø7.1x21	Load Chain	661165888065
	1	788807		K200-39A	K200-39A	Load Pin	661165888072
39A	1	788808	McMaster 90576A117	M8	M8	Lock Nut	661165888089
	0						
40	1	788809		K150-40	K150-40	Bottom Hook Assembly	661165888096
	0						

PCB200WD	Quantity	Stock #	Reference	MODEL	Manufacturer Stock #	DESCRIPTION	UPC
1	4	78810	McMaster 9735A101	K500-1	K500-1	Rivet + Low Profile Flat Head Solid Rivets, Ø.119" Diameter, for 0.16" Maximum Material Thickness	66116588107
	0						
2	1	788810		K200-2	K200-2	Name Plate	661165888102
	0						
3A	3	788811	McMaster 9916A4103	K200-3A	K200-3A	Acorn Nut	661165888119
	0						
3B	3	788812	McMaster 91202A242	K200-3B	K200-3B	Lock Washer + Zinc-Plated Steel Split Lock Washer for M10 Screw Size, 10.7 mm ID, 18.1 mm OD	661165888126
	0						
4	1	788813		K200-4	K200-4	Gear Cover Assembly	661165888133
	0						
5	1	788814		Ø12xØ32x10	Ø12xØ32x10	Seal Type Caged Ball Bearing	661165888140
	0						
6	2	788815		K200-6	K200-6	Spur Gear Assembly	661165888157
	0						
7	1	788816		K200-7	K200-7	Load Gear	661165888164
	0						
8	1	788817		K200-8	K200-8	Gear Side Plate Assembly	661165888171
	0						
9	1	788818		Ø10xØ5x14	Ø10xØ5x14	Seal Type Caged Ball Bearing	661165888188
	0						
10	1	788819		K200-10	K200-10	Top Hook Shaft	661165888195
	0						
11	1	788764	McMaster 98350A210	K300-11	K300-11	Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 20mm Long	661165887648
	0						
12	2	788793	McMaster 9145A170	Ø16.5xØ25x4	Ø16.5xØ25x4	Washer + Class 10.9 Steel Washer, Zinc-Plated, M16 Screw Size, 17 mm ID, 30 mm OD	661165887938
	0						
13	2	788820		K200-13	K200-13	Casting Safety Latch Assembly	661165888201
	0						
14	1	788821		K200-14	K200-14	Top Hook Assembly	661165888218
	0						
15	1	788822		HK1715(B24)	HK1715(B24)	Needle Bearing	661165888225
	0						
16	1	788823	McMaster 98541A130	K200-16	K200-16	C-Clip	661165888232
	0						
17	1	788824		K200-17	K200-17	Drive Shaft	661165888249
	0						
18	1	788825		Ø35xØ62x14	Ø35xØ62x14	Seal Type Caged Ball Bearing	661165888256
	0						
19	1	788826		K200-19	K200-19	Wheel Side Plate Assembly	661165888263
	0						
20	1	788827		K200-20	K200-20	Disc Hub	661165888270
	0						
21	2	788772		K300-21	K300-21	Pawl Spring	661165887723
	0						
22	2	788773		K500-22	K500-22	Pawl	661165887730
	0						
23	2	788774	McMaster 98541A118	K500-23	K500-23	Snap Ring - External Retaining Ring for 30 mm OD, Black Phosphate 1060-1090 Spring Steel	661165887747
	0						
24	1	788828		K200-24	K200-24	Dust Cover	661165888287
	0						
25	0	788829		K200-25	K200-25	Hand Chain Wheel	661165888290
	0						
25L	1	788931		K200-25L	K200-25L	Overload Limiter Assembly	661165889314
	0						
26	1	788850	McMaster 93760A233	K500-26	K500-26	Pinion Nut + Steel Locknut for Use with Cotter Pins, Medium-Strength, Class 8, M10 x 1.5 mm Thread	661165888504
	0						
27	1	788711	McMaster 98350A260	K500-27	K500-27	Split Pin + Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	661165887112
	0						
28	1	788830		K200-28	K200-28	Hand Wheel Cover Assembly	661165888300
	0						
29A	3	788414	McMaster 9916A4102	K300-3A	K300-3A	Acorn Nut	661165884142
	0						
29B	3	788413	McMaster 93279A200	K300-3B	K300-3B	Lock Washer	661165884135
	0						
30	1	788746		Ø5x25	Ø5x25	Connecting Link	661165887464
	0						
31	As Req'd Per Foot	788746		Ø5x25	Ø5x25	Hand Chain	661165887464
	1	788831		K200-32A	K200-32A	Anchor Pin	661165888317
32A	0						
	0						
32B	1	788425	McMaster 98350A316	K300-32B	K300-32B	Split Pin + Cotter Pin, 18-8 Stainless Steel, 2mm Diameter, 16mm Long	661165884258
	0						
33	1	788832		K200-33	K200-33	Anchor Plate	661165888324
	0						
34	1	788833		K200-34	K200-34	Load Sheave	6

PCB2KWD	Quantity	Stock #	Reference	MODEL	DESCRIPTION	UPC
1	0				Rivet - Low-Profile Flat Head Solid Rivets, 0.119" Diameter, for 0.16" Maximum Material Thickness	
	8	788310	McMaster 97358A101	K500-1		661165881107
2	0				Name Plate	
	2	788918		K2000-2		661165889185
3A	0				Acorn Nut	
	6	788853	McMaster 99164A104	K500-3A		661165888539
3B	0				Lock Washer	
	6	788854	McMaster 93279A400	K500-3B		661165888546
4	0				Gear Cover Assembly	
	2	788855		K500-4		661165888553
5	0				Seal Type Caged Ball Bearing	
	2	788919		Ø12xØ12x11		661165889192
6	0				Spur Gear Assembly	
	4	788856		K500-6		661165888560
7	0				Load Gear	
	2	788857		K500-7		661165888577
8	0				Gear Side Plate Assembly	
	2	788858		K500-8		661165888584
9	0				Seal Type Caged Ball Bearing	
	2	788859		Ø35xØ62x14		661165888591
10	0				Top Hook Shaft	
	2	788860		K500-10		661165888607
11	0				Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	2	788884	McMaster 98350A215	K500-11		661165888843
12	0				Split Pin - Cotter Pin, Zinc-Plated Steel, 2.5mm Diameter, 25mm Long	
	4	788884	McMaster 98350A215	K500-11		661165888843
13	0				Casting Safety Latch Assembly	
	2	788902		K2000-13		661165889024
14	0				Top Hook Assembly	
	1	788903		K2000-14		661165889031
15	0				Needle Bearing	
	2	788822		HK1715(Ø24)		661165888225
16	0				C-Clip - External Retaining Ring for 24 mm OD, Black Phosphate 1050-1090	
	2	788863	McMaster 98541A125	K500-16		661165888638
17	0				Spring Steel	
	2	788864		K500-17		661165888645
18	0				Seal Type Caged Ball Bearing	
	2	788904		Ø35xØ62x14		661165889048
19	0				Wheel Side Plate Assembly	
	2	788866		K500-19		661165888869
20	0				Disc Hub	
	2	788827		K200-20		661165888270
21	0				Pawl Spring	
	4	788867		K500-21		661165888676
22	0				Pawl	
	4	788773		K500-22		661165887730
23	0				Snap Ring - External Retaining Ring for 10 mm OD, Black Phosphate 1050-1090	
	4	788774	McMaster 98541A118	K500-23		661165887747
24	0				Dust Cover	
	2	788868		K500-24		661165888862
25	0				Hand Chain Wheel	
	0	788869		K500-25		
25L	0				Overload Limiter Assembly	
	1	788936		DL1.5K		661165883954
26	0				Pinion Nut	
	2	788650	McMaster 93760A213	K500-26		661165886504
27	0				Split Pin - Cotter Pin, Zinc-Plated Steel, 3.2mm Diameter, 20mm Long	
	2	788711	McMaster 98350A260	K500-27		661165887112
28	0				Hand Wheel Cover Assembly	
	2	788870		K500-28		661165888706
29A	0				Acorn Nut	
	6	788414	McMaster 99164A102	K300-3A		661165884142
29B	0				Lock Washer	
	6	788413	McMaster 93279A200	K300-3B		661165884135
30	0				Connecting Link	
	0	788746		Ø5x25		661165887464
31	0				Hand Chain	
	0	788746		Ø5x25		661165887464
32A	0				Anchor Pin	
	2	788871		K500-32A		661165888713
32B	0				Split Pin - Cotter Pin, Zinc-Plated Steel, 2mm Diameter, 20mm Long	
	2	788308	McMaster 98350A160	K500-32B		661165883084
33	0				Anchor Plate	
	0	788872		K500-33		661165888720
34	0				Lead Sheave	
	2	788873		K500-34		661165888737
35	0				Stripper	
	2	788874		K500-35		661165888744
36	0				Guide Roller	
	4	788875		K500-36		661165888751
37	0				Snap Ring - External Retaining Ring for 32 mm OD, Black Phosphate 1050-1090	
	2	788533	McMaster 98541A139	K500-37		661165885330
38	0				Load Chain	
	0	788887		Ø9x27		661165888874
39A	0				Load Pin	
	0	399			Lock Nut	
40	0				Bottom Hook Assembly	
	1	788920		K2000-40		661165889208
41	0				Socket Head Cap Screw	
	0	418			Lock Washer	
	0	418			Hexagon Nut	
	0	42			Hook Collar Assembly	
	0	42			Steel Ball	
43	0				Steel Ball	
	1	788921		K2000-43		661165889215
44	0				Top Idle Shaft	
	0	788922		4x30		661165889222
45	0				Roller Pin	
	30	788922		4x30		661165889222
46	0				Top Idle Sheave	
	0	788907		K2000-46		661165889078
47	0				Top Hook Holder	
	1	788908		K2000-47		661165889086
47A	0				Left Top Hook Holder	
	0	478			Right Top Hook Holder	
	0	478			Slotted Bar	
	2	788909		K2000-48		661165889093
48A	0				Socket Head Cap Screw - Fine-Thread Alloy Steel Socket Head Screw, M5 x 0.75 mm Thread, 12 mm Long	
	4	788910	McMaster 96144A111	K2000-48A		661165889109
48B	0				Lock Washer	
	4	788419	McMaster 93279A100	K025-3B		661165884197
49	0				Hook Shaft	
	1	788923		K2000-49		661165889239
50	0				Slotted Bar	
	6	788912		K2000-50		661165889123
50A	0				Socket Head Cap Screw - Fine-Thread Alloy Steel Socket Head Screw, M5 x 0.75 mm Thread, 12 mm Long	
	6	788910	McMaster 96144A111	K2000-48A		661165889109
50B	0				Lock Washer	
	6	788419	McMaster 93279A100	K025-3B		661165884197
51	0				Bottom Idle Sheave	
	4	788913		K2000-51		661165889130
52	0				Bottom Idle Shaft	
	0	788924		K2000-52		661165889246
52A	0				Lock Nut	
	0	528			Washer	
	0	528			Socket Head Cap Screw	
53	0				Lock Nut	
	0	53A			Lock Nut	
	0	538			Lock Washer	
	0	538			Hexagon Nut	
53C	0				Hexagon Nut	
	1	788925		K2000-54		661165889253
54	0				Bottom Hook Holder	
	0	54			Roller Pin	
	0	120			Bottom Hook Shaft	
	1	788916		Ø4x30		661165889161
56	0				Bottom Hook Shaft	
	1	788917		K2000-56		661165889178

WARRANTY ON SUMNER EQUIPMENT

What Does This Warranty Cover?

Limited Lifetime Warranty on Sumner Equipment

Under Sumner’s Equipment Limited Lifetime Warranty, Sumner Manufacturing Co., LLC warrants that all Sumner Equipment will be free from manufacturer defects for a Limited Lifetime except for moving parts deemed consumables from the date of the original end user’s purchase. Products deemed as consumable products, components and parts such as steel cables, rollers, bearings, wheels, lift mast sections components are excluded from this Limited Lifetime Warranty and are subject to One -Year Limited Warranty terms. Sumner electrical components are excluded from this Limited Lifetime Warranty and are subject to One -Year Limited Warranty terms. Under this Limited Lifetime Warranty, the following are also excluded, and Sumner will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Sumner’s Equipment products that have been modified by any party other than Sumner or its authorized third-party designee. This Limited Lifetime Warranty is not transferrable to or enforceable by any person other than the product’s original end user.

Three-Year Limited Warranty on Pallet Jacks and Hydraulic Tools

Under Sumner’s 3-Year Limited Warranty, Sumner Manufacturing Co., LLC warrants that all Sumner Pallet Jacks and Hydraulic Tools will be free from manufacturer defects for a period of three (3) years from the date of the original end user’s purchase. Under this Three-Year Limited Warranty for Pallet Jacks and Hydraulic Tools, the following are excluded and Sumner Manufacturing Co., LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Pallet Jacks and Hydraulic Tools that have been modified by any party other than Sumner Manufacturing Co., LLC or its authorized third-party designee. This 3-Year Limited Warranty is not transferrable to or enforceable by any person other than the product’s original end user.

One-Year Limited Warranty on All Products

Under Sumner’s 1-Year Limited Warranty, Sumner Manufacturing Co., LLC warrants that all products will be free from manufacturer defects for a period of one-year from the date of the original end user’s purchase. Under this 1-Year Limited Warranty, Sumner Manufacturing Co., LLC will have no liability for any of the following: normal wear and tear resulting from product use and damage arising out of misuse, abuse, modification, and improper product maintenance. This warranty also does not cover Sumner Equipment that has been modified by any party other than Sumner Manufacturing Co., LLC or its authorized third-party designee. This 1-Year Limited Warranty is not transferable to or enforceable by any person other than the product’s original end user.

Exclusion of Incidental, Consequential, Indirect, Special and Punitive Damages

SUMNER MANUFACTURING CO. LLC MAKES NO WARRANTY THAT SUMNER MANUFACTURING CO. LLC PRODUCTS WILL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUMNER MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, OTHER THAN THE RELEVANT WARRANTY SPECIFICALLY SET FORTH IN THIS WARRANTY SECTION. SOUTHWIRE WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES FOR ANY BREACH OF THIS LIMITED LIFETIME WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty Claim Information/How Do You Get Service?

For all warranty, customer service, and product return authorizations and inquiries, please contact Sumner at:

Sumner Manufacturing Co., LLC
7514 Alabonson Road
Houston, Texas 77088
Phone Number: 1.281.999.6900

Sumner – Canada
75 Saltman Drive, Unit 5
Cambridge, Ontario N3H 4R7
Phone Number: 1.519.651.5300

Sumner – U.K.
Unit 3 Kepton Road
Keytec 7 Business Park
Pershore Worcestershire
WR10 2TA, UK
Phone Number: +44 (0) 1386 556278

Sumner – Netherlands
Handelsweg 26
3881LS Putten
The Netherlands

Phone Number: +31 (0) 85 489 0284

1. All warranty claims must be approved by Sumner’s Warranty Department prior to return of product. If Sumner determines that a product is defective, Sumner will, at its option, repair or replace defective products or defective product components, free of charge.
2. Upon approval, Sumner will issue a Product Return Authorization Form which will include instructions on how and where to return the product. **The product serial number and the original date of delivery must be set forth on the Product Return Authorization Form.**
3. Sumner will cover standard freight charges (Courier Ground rate) incurred in connection with products that Sumner ultimately determines to be defective.
4. All defective components and defective products that Sumner replaces under these Warranties will become Sumner’s property and will be retained by Sumner.

Repair Your Product When it is Out of Warranty

Southwire is happy to provide information about where a purchaser can send a product for repair at consumers’ own expense, please contact 1.281.999.6900 or visit www.sumner.com for more information about servicing for Sumner Products.

NOTES
