

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in serious or fatal injury and/or property damage! Retain instructions for future reference.

# Dayton® Electric Chain Hoists

## Description

Dayton Electric Chain Hoists, Models 2XY32 and 2XY33, are designed for commercial lifting. Use for applications weighing no more than the maximum rated load of hoist. Lift freely suspended (unguided) loads on an intermittent basis only. Not for industrial or production applications requiring continuous operation.

Fully inspected and built in accordance with all applicable design and test requirements of OSHA and ANSI for overhead hoists.

## Unpacking

When unpacking the hoist, inspect for any damage that may have occurred during transit. Check for loose, missing or damaged parts.

**▲ WARNING** Do not use this equipment to lift, support, or transport people. Do not lift loads over people, or leave a suspended load unattended.

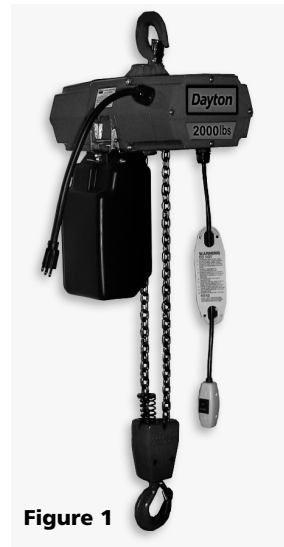


Figure 1

## Specifications (Models 2XY32 and 2XY33)

Max. rated load.....	1000/2000 lbs.	Full load amp draw.....	10A	Min. distance between hooks..	18 <sup>9</sup> / <sub>16</sub> " / 21 <sup>11</sup> / <sub>16</sub> "
Lifting speed.....	16/8 fpm	Duty cycle.....	15 min./hr.	Housing height.....	7"
Max. Lift.....	10 ft.	PB cord length.....	6 ft.	Housing width.....	8 <sup>19</sup> / <sub>32</sub> "
HP.....	2/3HP	Power cord length.....	13"	Housing length.....	17 <sup>7</sup> / <sub>32</sub> "
Power Supply.....	115V, 1 phase, 60 Hz	Limit switches.....	Upper & Lower	Hoist weight.....	57.30 / 63.92 lbs.

## General Safety Information

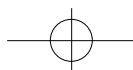
**Any person who will be operating or maintaining these hoists should carefully read all information contained herein and in the American National Standard (ANSI) B30.16 Safety Standard for Overhead Hoists.**

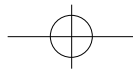
**▲ WARNING** Do not use hoist outdoors or in hazardous locations where explosive gases or particles are present.

## ADVERSE ENVIRONMENTAL CONDITIONS

**DO NOT use in areas containing flammable vapors, liquids, gases or any combustible dusts or fibers. Refer to Article 500 of the National Electrical Code. DO NOT use this hoist in applications involving extended exposure to ambient temperatures below -10F or above 103F.**

- Before using hoists operators must be familiar with its controls, operating procedures, and warnings.
- Test limit switches to be certain they are operating properly.
- Only use load slings and sling attachments that are properly sized and seated.
- DO NOT use load chain to wrap around the load or as a sling.
- Before lifting a load make sure chain is seated in chain wheels or sprockets.
- Do not use hoist if chain is twisted, kinked, worn or damaged.
- Do not use when binding causes an unequal load distribution on the supporting chains.
- Do not attempt to repair a damaged load chain or to lengthen the chain.
- Use only recommended lubricant when needed.
- Prevent load chain or hook from contact with a live welding electrode, weld spatter, or other contaminant.
- Do not permit chain or hook to be used as a ground when welding.
- Use hook latches where possible and when using be sure to close the latch.





# Dayton® Electric Chain Hoists

## General Safety Information (Continued)

13. Do not allow weight of load to rest on hook latch or the tip of the hook.
14. When lifting do not exceed the maximum rated load limit of the hoist.

**CAUTION** *Structural supports and load attaching devices must have a load rating equal to or greater than that of the hoist.*

15. When moving a load be certain that the pathway is free of any obstructions.
16. Make certain that all persons are warned of an approaching load and that all persons remain clear of a suspended load.

**WARNING** *Never lift loads over people or leave a load unattended when suspended.*

17. When operating hoists always maintain a firm footing and keep your attention focused.
18. Keep load centered under hoist to avoid any swinging of load.
19. If slack occurs, take up carefully. Check load balance and lift a few inches. Then check for load holding action before continuing to lift.
20. Limit switches should only be used as an emergency device. Do not use for routine stops unless recommended.
21. Do not use the loading limiting device to measure a load.

22. Always make repairs or adjustments to damaged or malfunctioning hoists before using.
23. Allow qualified persons only to make repairs or adjustments.
24. Make regular inspections, and keep maintenance records.

**NOTE:** Any damage, malfunction, or unusual change in performance should be reported promptly.

## Installation

1. Supporting structure and load attaching devices should have a load rating at least equal to that of the selected hoist.

**CAUTION** *Hoists must be installed in locations which provide safe operating conditions. Do not use in areas that contain explosive dust, gases, or vapors. Do not use in or near wet areas or outdoors. Make certain that the operator and other persons have room to stand clear of the load at all times.*

**WARNING** *Avoid use of hoist in areas or applications where slack chain hanging from hoist may create hazardous conditions.*

2. The power supply to the hoist should be 115V, single phase, 60 Hz. The voltage can range from plus or minus 10% of 115V.
3. The hoist is equipped with a 3-prong, grounding plug. Make sure that it is plugged into a properly grounded and installed receptacle.
4. After hanging the hoist make sure that the hook latch closes.

**CAUTION** *Before beginning a work shift an operator should test the pushbutton station, limit switches and brake control. If not operating properly, they should be replaced or repaired before putting hoist in service.*

## INSTALLATION OF CHAIN CONTAINER ASSEMBLY

See Figures 2A, 2B.

1. Remove screw, nut and washer from the suspension frame (see Fig. 2A).
2. Place chain container bracket flush against the suspension frame. Replace washer, nut and screw. Tighten securely (see Fig. 2B).
3. Run load hook down to its lowest position. Place the slack end of the chain in chain container. Feed the remainder of chain into container by operating hoist in the "UP" direction to the top limit. This will permit chain to pile freely and eliminate possibility of jamming which may occur if chain is placed in container by hand.

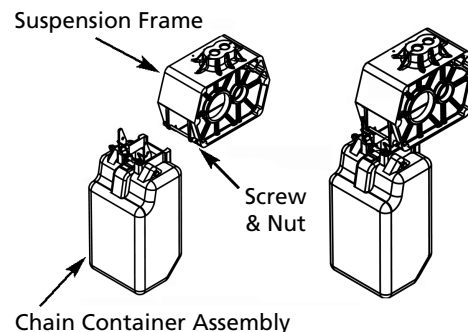
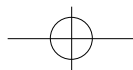
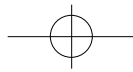


Figure 2A

Figure 2B





## Models 2XY32 and 2XY33

### General Safety Information (Continued)

#### LIMIT SWITCH OPERATION

It is important to check for the proper operation of the limit switches before using the hoist.

1. Press UP button.
2. While hook moves up, raise the limit switch paddle where the chain enters the hoist.
3. Hook should immediately stop.
4. Check DOWN limit switch in similar manner.

**▲ CAUTION** *Do NOT use hoist when brake is not properly working. If hook does not stop within 1 or 2 inches after pushbutton is released, the brake assembly may need to be replaced.*

#### Operation

The hoist should be used on an intermittent basis only. Total usage per hour should not exceed fifteen minutes. A thermal cut-off protects the motor from overheating and will also automatically reset it once the motor has sufficiently cooled, so that its operation can be resumed.

1. The hoist should be positioned directly over load. Do NOT attempt to side pull.
2. Hoist chain should not be wrapped around load. Use proper slings.
3. Engage hook with load. Before lifting load make sure load is seated properly.

4. After lifting load clear of its supports, stop to check braking action.
5. Avoid jogging the controls or making quick reversals when lifting or lowering a load.
6. Do not use the limit switch for routine stops during normal operation. It should be used as an emergency device.
7. Stand away from load at all times.

### Maintenance

#### INSPECTION

Inspection procedures are listed under three general classifications based upon intervals at which inspection should be performed – daily, quarterly, and annually. Deficiencies should be carefully examined and corrected. The intervals between inspections can vary due to conditions. If the hoist is used under adverse conditions, it should be inspected more often.

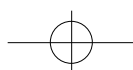
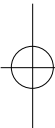
A planned inspection routine should be established for this hoist based upon frequency, severity of use, and environmental condition. (Reference ASME Standard B30.16). Some inspections should be made frequently (daily to monthly) and others periodically (monthly to yearly). It is strongly recommended that an inspection and Maintenance Check List and an Inspector's Report, similar to those shown in Fig. 6A and 6B, be used and filed for reference. All inspections should be performed or overseen by a designated inspector. Special inspections should be made following

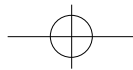
any significant repairs or any operating occurrence leading one to suspect that the hoist's capacity may have been impaired.

**▲ WARNING** *Make certain load is removed from hoist before attempting to service. Also, before attempting to service or remove any components, make certain power supply is disconnected. If power disconnect point is out of sight, lock it in the open position and tag to prevent any unexpected application of power. Only a qualified electrician or service person should perform any electrical troubleshooting or maintenance.*

#### DAILY INSPECTION

1. Inspect the following items every day before operating hoist:
  - a. Check pushbutton station, brake, and limit switches for proper operation.
  - b. Check hooks for deformities, cracks, or chemical damage. Hooks having more than 1-inch opening at throat (see Fig. 3) should be replaced.
  - c. Inspect hook once daily for cracking, extreme wear or spreading. Replace hooks showing any of these signs. If the throat openings are spread wider than the maximum permissible 15% increase listed in Fig. 3, the hooks have been overstressed and must be replaced. Any hook that is bent or twisted more than 10 degrees from the plane of an unbent hook must also be replaced (see Fig. 3).
  - d. Check for open, bent or damaged hook latches.



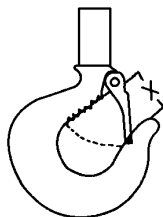


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## Maintenance (Continued)

- e. Check chain for wear or damage.
- f. Check pushbutton cord and power cord for cuts or other damage.



**Figure 3 —**  
Hook Inspection

Hoist Capacity	"X" Dimension	
	Top Hook	Bottom Hook
1000 lbs.	1 7/64"	1 7/64"
2000 lbs.	1 15/64"	1 15/64"

**NOTE:** Maximum permissible throat opening of hook with latch fully retracted.

### QUARTERLY INSPECTION

2. Inspect the following every 90 days:
  - a. Check items listed under daily inspection.
  - b. Check for loose nuts, bolts, and screws.
  - c. Inspect for worn, corroded, cracked, or distorted parts.
  - d. Check electrical parts, upper and lower limit switches, and pushbutton station.

### ANNUAL INSPECTION

3. Inspect the following items every year:
  - a. Check items listed under daily and quarterly inspection.
  - b. Check hooks for cracks by means of a magnetic particle test or other crack detecting test.

- c. Inspect for worn, corroded, cracked, or distorted parts including pins, bearings, shafts, keys, and gears.
- d. Inspect supporting structure and trolley (if used) for ability to support the imposed loads.
- e. Check for worn brake disc by measuring the brake air gap with a feeler gauge. Brake gap larger than the allowable wear limit may cause chatter or failure to release (see Figure 4).

**NOTE:** Do not use near flammable liquids or hazardous materials of any kind.

### BRAKE REPAIR

When brake does not operate properly as described in installation section, replace entire brake assembly.

**CAUTION** *Keep brake surface and brake lining free of grease.*

Check for worn brake disc by measuring the brake air gap with a feeler gauge (see Fig. 5). Brake gap larger than the allowable wear limit may cause chatter or failure to release.

### CHAIN INSPECTION

Chain is to be kept clean and lubricated. Visually check chain every time hoist is used. Hoist must not be operated when chain is twisted or kinked. An important phase of hoist maintenance is chain inspection. Check individual link and check for elongation.

1. Check all links for gouges, nicks, weld spatter, and distortion.
2. Inspect and measure each link for

wear to the link diameter. If any are worn to less than 0.175", the chain must be replaced.

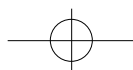
3. Check overall wear by selecting an unused length of chain and comparing it to a used length.
  - a. Let unworn chain hang vertically with a light load (about 20 pounds) on it to remove slack.
  - b. Measure outside length of a convenient number of links with large caliper.
  - c. Measure same number of links in used section of chain and calculate difference in numbers.
  - d. If length of worn chain is more than 1-1/2% longer than unused chain – chain should be replaced.

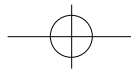
**IMPORTANT: Chain is designed specially for use with hoist.**

**CAUTION** *Do not substitute any other make or type of chain. Never attempt to weld or splice hoist load chain.*

### TO REPLACE CHAIN

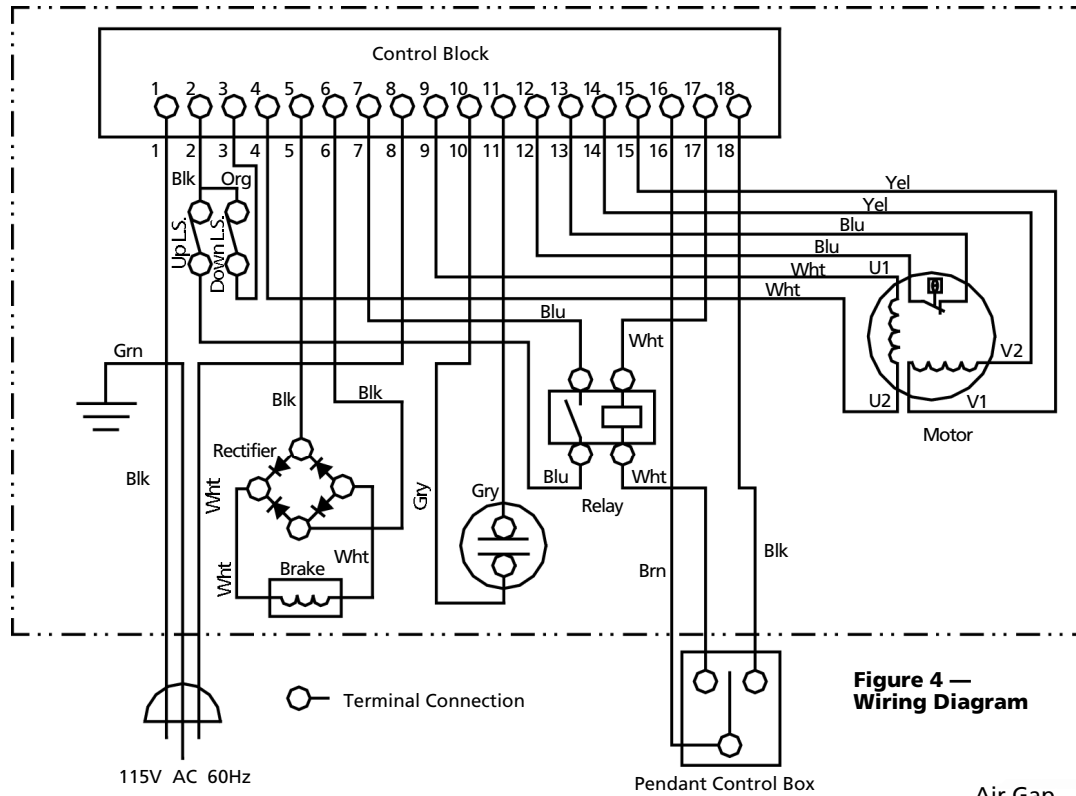
1. Remove lower hook block and chain and ball (Fig. 7, Ref. No. 17).
2. Line up end to end — new chain with old chain — so link welds match. (Welds toward outside of sheave).
3. Use a piece of string or small wire to tie chains together so ends are exactly 9/32" apart. This enables the chain to pass smoothly through hoist.
4. Operate enough to pull new chain into hoist. Refit springs (Ref. No. 6), lower hook (Ref. No. 86), and end ball (Ref. No. 59).





# Models 2XY32 and 2XY33

## Maintenance (Continued)



**Figure 4 — Wiring Diagram**

### LUBRICATION

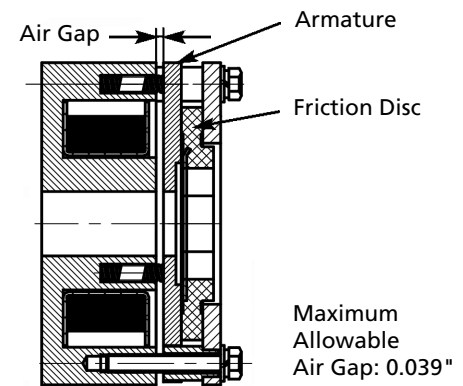
1. At assembly the gear housing is adequately lubricated with 1/3 pound of grease. If relubrication becomes necessary, use approximately 3/4 cup of a light semifluid NLGI #1 grease.
2. Apply a small amount of grease to the bore of the idler sheave. (Fig. 7, Ref. No. 4) in the bottom block.
3. Wipe chain clean with a cloth periodically and apply a coat of 90 weight gear oil.

**IMPORTANT:** Do not use grease.

**CAUTION** Keep brake surface and lining free of grease.

### BRAKE CHECKING PROCEDURE

1. Remove load and disconnect all AC input power to the hoist.
2. Remove brake cover (Fig. 7, Ref. No. 70).
3. Check for worn brake disc by measuring the brake air gap with a feeler gauge (See Figure 5). Brake gap larger than the allowable wear limit may cause chatter or failure to release.

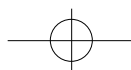


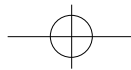
**Figure 5 — Checking Brake Gap**

### BRAKE REPAIR

When the brake is not operating properly, replace the entire brake assembly (Fig. 7, Ref. No. 69).

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# Dayton® Electric Chain Hoists

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## Maintenance (Continued) INSPECTION AND MAINTENANCE CHECK LIST

### ELECTRIC POWERED OVERHEAD CHAIN HOIST

Type of hoist \_\_\_\_\_ Capacity (lbs.) \_\_\_\_\_  
 Location \_\_\_\_\_ Original Installation Date \_\_\_\_\_  
 Manufacturer \_\_\_\_\_ Manufacturer's Serial No. \_\_\_\_\_

Item	Frequency Of Inspection			Possible Deficiencies Any Deficiency Causing Improper Operation	OK	Action Required
	Daily	Monthly	Periodic 1-12 Mo.			
Operating Controls	*	*	*		<input type="checkbox"/>	<input type="checkbox"/>
Limit Switches	*	*	*	Any deficiency causing improper operation	<input type="checkbox"/>	<input type="checkbox"/>
Brake Mechanism	*	*	*	1. Slippage or excessive drift 2. Glazing, contamination or excessive wear	<input type="checkbox"/>	<input type="checkbox"/>
Hooks				Excessive throat opening 15% bent or twisted more than 10 degrees, damaged hook latch, wear, chemical damage, worn hook bearing	<input type="checkbox"/>	<input type="checkbox"/>
Chain	*	*	*	Inadequate lubrication. Excessive wear or stretch, cracked, damaged or twisted links, corrosion or foreign substance	<input type="checkbox"/>	<input type="checkbox"/>
Nuts, Bolts			*	Looseness, stripped and damaged threads, corrosion	<input type="checkbox"/>	<input type="checkbox"/>
Sheaves			*	Distortion, cracks and excessive wear	<input type="checkbox"/>	<input type="checkbox"/>
Housings, Load Block			*	Cracks, distortion, excessive wear	<input type="checkbox"/>	<input type="checkbox"/>
Wiring and Terminals			*	Fraying, defective insulation	<input type="checkbox"/>	<input type="checkbox"/>
Nameplates, Decals Warning Labels			*	Missing, damaged or illegible	<input type="checkbox"/>	<input type="checkbox"/>

**NOTE:** Refer to the Maintenance and Inspection Sections of the Hoist-Maintenance Manual for further details.

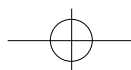
#### FREQUENCY OF INSPECTION

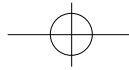
**Frequent** – Indicates items requiring inspection daily to monthly. Daily inspections may be performed by the operator if properly designated.

**Periodic** – Indicates items requiring inspection monthly to yearly. Inspections to be performed by or under the direction of a properly designated period. The exact period of inspection will depend on frequency and type of usage. Determination of this period will be based on the user's experience. It is recommended that the user begin with a monthly inspection and extend the periods to quarterly, semi-annually or annually based on user's monthly experience.

**Figure 6A — Recommended Inspection and Maintenance Check List**

**NOTE:** This inspection and maintenance check list is in accordance with our interpretation of the requirements of the Safety Standard for Overhead Hoist ASME B30.16. It is, however, the ultimate responsibility of the employer/user to interpret and adhere to the applicable requirements of this safety standard.





Dayton Operating Instructions and Parts Manual

# Models 2XY32 and 2XY33

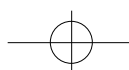
## Maintenance (Continued) INSPECTOR'S REPORT

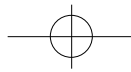
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Item	Remarks (List Deficiencies and Recommended Action)

Inspector's Signature	Date Inspected	Approved By	Date
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**Figure 6B — Recommended Inspector's Report**





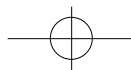
# Dayton® Electric Chain Hoists

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## Maintenance (Continued)

### Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
Hoist does not respond to pushbutton	1. Power failure in supply lines	1. Check circuit breakers, switches and connections in power supply lines.
	2. Wrong voltage or frequency	2. Check voltage and frequency of power supply against the rating on the nameplate of the hoist.
	3. Improper connection in hoist or pushbutton	3. Check all connections at line connectors and on terminal block.
	4. Brake does not release	4. Check connections to the solenoid coil. Check for open or short circuit.
	5. Faulty hoist reversing contactor	5. Check coil for open or short circuit. Check all connections in control circuit. Check for burned relay. Replace as needed.
Hook does not stop promptly	1. Hoist overloaded	1. Reduce load to within rated capacity of hoist.
	2. Brake not holding	2. Check brake.
Brake does not hold and load drifts down	Brake worn out or brake contaminated	Replace brake assembly.
Brake chatters	1. Check for greater than allowable air gap	1. Replace brake assembly.
	2. If brake still chatters after being replaced check rectifier for proper operation (to be performed by a qualified electrician or service person)	2. Replace rectifier.
Lack of proper lifting speed	1. Hoist overloaded. Overload clutch slipping	1. Reduce load to within rated capacity of hoist.
	2. Low voltage	2. Determine cause of low voltage and bring up to within plus or minus 10% of the voltage specified on the nameplate of the hoist.
Hoist turns off after several minutes of operation, but then restarts several minutes later	Thermal protector opens due to excessive operation	Reduce number of operating cycles.





Dayton Operating Instructions and Parts Manual

2XY32 and 2XY33

# For Replacement Parts, call 1-800-323-0620

24 hours a day - 365 days a year

Please provide the following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list.

Address parts correspondence to:  
 Grainger Parts Operations  
 P. O. Box 3074  
 1657 Shermer Road  
 Northbrook, IL 60065-3074 U.S.A.

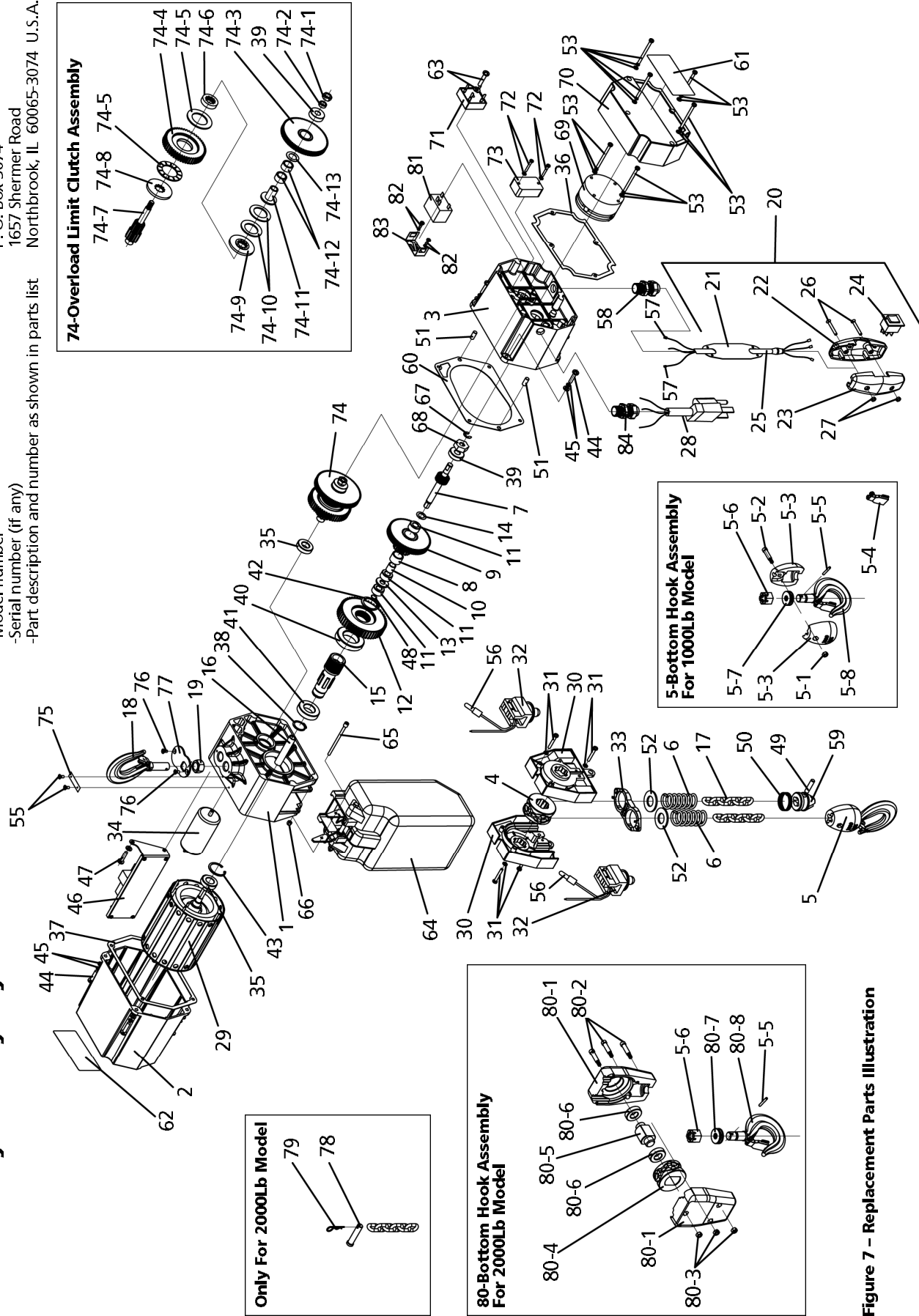


Figure 7 - Replacement Parts Illustration

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## Repair Parts List for Chain Hoists

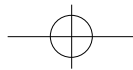
Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
1	Suspension Frame	MHGXC01GGS	1	26	Cross Slotted Machine Screw	MHEC-26GGS	2
2	Control Cover	MHGXC02GGS	1	27	Hex Nut	MHEC-27GGS	2
3	Transmission Cover	MHGXC03GGS	1	28	Power Cord Assembly	MHGXC28GGS	1
4	Drive Sheave	MHGXC04GGS	1	29	Motor	MHGXC29GGS	1
5	Bottom Hook Assembly For 1000Lbs	MHGXC90GGS	1	30	Chain Guide	MHGXC30GGS	2
5-1	Hex Lock Nut	MHGXC9001GGS	1	31	Chain Guide Plate Screw (Washer Included)	MHGXC31GGS	4
5-2	Screw (Bottom Block N/A For 1000Lb Model)	MHGXC9002GGS	1	32	Limit Switch	MHGXC89GGS	2
5-3	Swivel Frame neck (N/A For 2000Lb Model)	MHGXC9003GGS	2	33	Limit Paddle	MHGXC33GGS	1
5-4	Hook Latch Kit (Spring Screw & Nut Included)	MHGXC9004GGS	2	34	Capacitor	MHGXC34GGS	1
5-4	Hook Latch Kit For 2000Lbs (Spring Screw & Nut Included)	MHGXC9104GGS	2	35	Bearing	MHGXC81GGS	2
5-5	Spring-Type Roll Pin	MHGXC9005GGS	1	36	Frame Cover Gasket	MHGXC82GGS	1
5-6	Hex Socket Nut	MHGXC9006GGS	1	37	Motor Gasket	MHGXC83GGS	1
5-7	Thrust Bearing	MHGXC9007GGS	1	38	Spring Retaining Ring For Shaft	MHGXC35GGS	1
5-8	Bottom Hook With Latch	MHGXC9008GGS	1	39	Bearing	MHGXC36GGS	2
6	Limit Spring	MHGXC06GGS	2	40	Load Bearing A	MHGXC37GGS	1
7	High Speed Pinion	MHGXC07GGS	1	41	Load Bearing B	MHGXC38GGS	1
8	Out Thimble	MHGXC77GGS	1	42	Spring Retaining Ring For Shaft	MHGXC39GGS	1
9	Intermediate Cluster Gear	MHGXC09GGS	1	43	Spring Retaining Ring For Hole	MHGXC40GGS	1
10	Inner Thimble	MHGXC78GGS	1	44	Cross Slotted Screw	MHGXC41GGS	8
11	Roller Bearing	MHGXC79GGS	3	45	Spring Washer & Flat Washer	MHGXC42GGS	8
12	Outer Gear	MHGXC12GGS	1	46	Control Block	MHGXC46GGS	1
13	Thrust Block Seat	MHGXC80GGS	1	47	Cross Slotted Screw	MHGXC47GGS	2
14	Thrust Washer B	MHGXC14GGS	1	48	Snap Ring For Shaft	MHGXC48GGS	1
15	Drive Sheave Shaft	MHGXC15GGS	1	49	Roll Pin	MHGXC49GGS	1
16	Drive Coupling	MHGXC16GGS	1	50	Retaining Ring	MHGXC50GGS	1
17	Load Chain	MHGXC17GGS	1	51	Dowel Pin	MHGXC51GGS	2
18	Top Hook With Latch	MHGXC18GGS	1	52	Limit Washer	MHGXC52GGS	2
19	Hex Nut	MHGXC18AGGS	1	53	Cross Slotted Screw (Flat Washer & Spring Washer Included)	MHGXC53GGS	6
20	Push Button Assembly	MHGXC19GGS	1	54	Cross Slotted Screw	MHGXC54GGS	1
21	Warning	MHEC-21GGS	1		With Flat Washer For Grounding (Not Shown)		
22	Push Button Housing Right	MHEC-22GGS	1	55	Date Plate	Not For Resale	1
23	Push Button Housing Left	MHEC-23GGS	1	56	Male Pigtail Splice	MHGXC56GGS	2
24	Rocker Switch	MHEC-24GGS	1	57	Female Pigtail Splice	MHGXC57GGS	2
25	Push Button Cord Assembly	MHGXC25GGS	1	58	Cable Gland A	MHGXC84GGS	1
				59	End Block	MHGXC59GGS	1

Dayton Operating Instructions and Parts Manual

2XY32 and 2XY33

## Repair Parts List for Chain Hoists (Continued)

Ref. No.	Description	Part No.	Qty.	Ref. No.	Description	Part No.	Qty.
60	Transmission Cover Gasket	MHGXC70GGS	1	75	Rivet	Not For Resale	2
61	Capacity Label 1000Lbs	MHGXC61GGS	1	76	Cross Slotted Machine Screw	MHGXC75GGS	2
	Capacity Label 2000Lbs	MHGXC61AGGS	1	77	Lock Plate	MHGXC76GGS	1
62	UL Specification Label 1000Lbs	Not For Resale			Lock Plate For Double Line Chain (Not Shown)	MHGXC76AGGS	1
62	UL Specification Label 2000Lbs	Not For Resale		78	Clevis Pin	MHGXC92GGS	1
63	Cross Slotted Screw (Flat Washer Included)	MHGXC63GGS	1	79	Hairpin Clip	MHEW-45GGS	1
64	Chain Container Assembly	MHGXC96GGS	1	80	Bottom Hook Block Assemble For 2000Lbs	MHGXC91GGS	1
65	Screw For Chain Container	MHGXC97GGS	1	80-1	Bottom Block (N/A For 1000Lb)	MHGXC9101GGS	2
66	Hex Lock Nut	MHGXC98GGS	1	80-2	Hex Socket Head Capscrew	MHGXC9102GGS	3
67	"E" Ring	MHGXC67GGS	1	80-3	Hex Lock Nut	MHGXC9103GGS	3
68	Brake Nut	MHGXC68GGS	1	80-4	Idler Sheave	MHGXC9105GGS	1
69	Brake	MHGXC69GGS	1	80-5	Idler Sheave Shaft	MHGXC9106GGS	1
70	Brake Cover	MHGXC70GGS	1	80-6	Bearing	MHGXC9107GGS	2
71	Rectifier	MHGXC71GGS	1	80-7	Thrust Bearing	MHGXC9108GGS	1
72	Cross Slotted Screw (Flat Washer Included)	MHGXC72GGS	2	80-8	Bottom Hook With Latch For 2000Lbs	MHGXC9109GGS	1
73	Clutch Cover	MHGXC73GGS	1	81	Relay	MHGXC85GGS	1
74	Overload Safety Clutch Assembly	MHGXC74GGS	1	82	Cross Slotted Screw	MHGXC86GGS	2
74-1	Hex Nut	MHGXC7401GGS	1	83	E-Bracket	MHGXC87GGS	1
74-2	Bearing Retaining Ring	MHGXC7402GGS	1	84	Cable Gland B	MHGXC88GGS	1
74-3	High Speed Cluster Gear	MHGXC7404GGS	1				
74-4	Intermediate Cluster Gear	MHGXC7405GGS	1				
74-5	Friction Disc	MHGXC7406GGS	2				
74-6	Splined Bushing	MHGXC7407GGS	1				
74-7	Output Pinion	MHGXC7408GGS	1				
74-8	Thrust Plate A	MHGXC7409GGS	1				
74-9	Thrust Plate B	MHGXC7410GGS	1				
74-10	Dishing Spring	MHGXC7411GGS	2				
74-11	Spring Seat	MHGXC7412GGS	1				
74-12	Needle Bearing	MHGXC7413GGS	2				
74-13	Thrust Washer A	MHGXC7414GGS	1				



# Dayton® Electric Chain Hoists

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## LIMITED WARRANTY

**DAYTON ONE-YEAR LIMITED WARRANTY.** Dayton® Electric Chain Hoists, Models covered in this manual, are warranted by Dayton Electric Mfg. Co. (Dayton) to the original user against defects in workmanship or materials under normal use for one year after date of purchase. Any part which is determined to be defective in material or workmanship and returned to an authorized service location, as Dayton designates, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced at Dayton's option. For limited warranty claim procedures, see PROMPT DISPOSITION below. This limited warranty gives purchasers specific legal rights which vary from jurisdiction to jurisdiction.

**LIMITATION OF LIABILITY.** To the extent allowable under applicable law, Dayton's liability for consequential and incidental damages is expressly disclaimed. Dayton's liability in all events is limited to and shall not exceed the purchase price paid.

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Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some jurisdictions do not allow a limitation on how long an implied warranty lasts, consequentially the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of implied merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

**PROMPT DISPOSITION.** Dayton will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date, and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

**Manufactured for Dayton Electric Mfg. Co., 5959 W. Howard St., Niles, Illinois 60714 U.S.A.**

