

Chore-Time Warranty

Chore-Time Equipment ("Chore-Time") warrants each new Chore-Time product manufactured by it to be free from defects in material or workmanship for one year from and after the date of initial installation by or for the original purchaser. If such a defect is found by the Manufacturer to exist within the one-year period, the Manufacturer will, at its option, (a) repair or replace such product free of charge, F.O.B. the factory of manufacture, or (b) refund to the original purchaser the original purchase price, in lieu of such repair or replacement. Labor costs associated with the replacement or repair of the product are not covered by the Manufacturer.

Conditions and Limitations

- 1. The product must be installed by and operated in accordance with the instructions published by the **Manufacturer or Warranty will be void**.
- 2. Warranty is void if **all components** of the system are not original equipment supplied by the **Manufacturer**.
- 3. This product must be purchased from and installed by an authorized distributor or certified representative thereof or the Warranty will be void.
- 4. Malfunctions or failure resulting from misuse, abuse, negligence, alteration, accident, or lack of proper maintenance shall not be considered defects under the Warranty.
- 5. This Warranty applies only to systems for the care of poultry and livestock. Other applications in industry or commerce are not covered by this Warranty.

The **Manufacturer** shall not be liable for any **Consequential or Special Damage** which any purchaser may suffer or claim to suffer as a result of any defect in the product. "**Consequential**" or "**Special Damages**" *as used herein include, but are not limited to, lost or damaged products or goods, costs of transportation, lost sales, lost orders, lost income, increased overhead, labor and incidental costs and operational inefficiencies.*

THIS WARRANTY CONSTITUTES THE MANUFACTURER'S ENTIRE AND SOLE WARRANTY AND THIS MANUFACTURER EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, EXPRESS AND IMPLIED WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSES SOLD AND DESCRIPTION OR QUALITY OF THE PRODUCT FURNISHED HEREUNDER.

Chore-Time Distributors are not authorized to modify or extend the terms and conditions of this Warranty in any manner or to offer or grant any other warranties for Chore-Time products in addition to those terms expressly stated above. An officer of CTB, Inc. must authorize any exceptions to this Warranty in writing. The Manufacturer reserves the right to change models and specifications at any time without notice or obligation to improve previous models.

Effective: January 2006

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Thank You

The employees of Chore-Time Equipment would like to thank your for your recent Chore-Time purchase. If a problem should arise, your Chore-Time distributor can supply the necessary information to help you.

Contents

Торіс	Page	User
Chore-Time Warranty		C,D
General		C,D,I
About This Manual	5	C,I
Safety Information Safety-Alert Symbol. Understanding Signal Words Follow Safety Instructions Decal Descriptions DANGER: Moving Auger. DANGER: Electrical Hazard Available Sizes and Speed of Operation. Cable/Pulley Combinations Linear Lift 800 41920-18 Side Wall Installation Linear Lift 800 44458-18 (Chain Drive) Side Wall Installation	5 6 6 6 7 7 8	C,I
Linear Lift 800 Installation		C,I
Wiring Diagram	12	Ι
Optional Suspension Parts Listing	13	C,D,I
Linear Lift 800 Parts List.	14	C,D,I
Parts Listing and Identification	15	C,D,I

General

Support Information

The Chore-Time Linear Lift 800 Assembly is designed to open inlet doors. Using this equipment for any other purpose or in a way not within the operating recommendations specified in this manual will void the warranty and may cause personal injury.

This manual is designed to provide comprehensive planning, installation, safety, operation, and parts listing information. The Table of Contents provides a convenient overview of the information in this manual. The Table of Contents also specifies which pages contain information for the sales personnel, installer, and consumer (end user).

Distributor and Installer Information

	Please fill in the following information about your Product. Keep this manual in a clean, dry place for future reference.
Distributor's Nam	e
Distributor's Add	ess
Distributor's Pho	Date of Purchase
Installer's Name	
Installer's Addres	S
Installer's Phone	Date of Installation
System Specification	ions
- •	

About This Manual

The intent of this manual is to help you in two ways. One is to follow step-by-step in the order of assembly of your product. The other way is for easy reference if you have questions in a particular area.

Important ! Read ALL instructions carefully before starting construction.

Important ! Pay particular attention to all SAFETY information.

- Metric measurements are shown in millimeters and in brackets, unless otherwise specified. "" " equals inches and "'" equals feet in English measurements. *Examples:* 1" [25.4] 4' [1 219]
- Optional equipment contains necessary instructions for assembly or operation.



- Major changes from the last printing will be listed on the back cover.
- This Planning Symbol is used in areas where planning needs to take place before construction continues.
- Very small numbers near an illustration (*i.e.*, 1257-48) are identification of the graphic, not a part number.

Safety Information

Caution, Warning and Danger Decals have been placed on the equipment to warn of potentially dangerous situations. Care should be taken to keep this information intact and easy to read at all times. Replace missing or damaged safety decals immediately.

Using the equipment for purposes other than specified in this manual may cause personal injury and/or damage to the equipment.



Safety–Alert Symbol

This is a safety–alert symbol. When you see this symbol on your equipment, be alert to the potential for personal injury. This equipment is designed to be installed and operated as safely as possible...however, hazards do exist.

Understanding Signal Words

Signal words are used in conjunction with the safety–alert symbol to identify the severity of the warning.



DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



CAUTION indicates a hazardous situation which, if not avoided, MAY result in minor or moderate injury.

Safety Information

Follow Safety Instructions

Carefully read all safety messages in this manual and on your equipment safety signs. Follow recommended precautions and safe operating practices.

Keep safety signs in good condition. Replace missing or damaged safety signs.

Decal Descriptions

DANGER: Rotating Parts

Severe personal injury will result, if the electrical power is not disconnected, prior to servicing the equipment.



DANGER: Electrical Hazard

Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.

Ground all electrical equipment for safety.

All electrical wiring must be done by a qualified electrician in accordance with local and national electric codes.

Ground all non-current carrying metal parts to guard against electrical shock.

With the exception of motor overload protection, electrical disconnects and over current protection are not supplied with the equipment.



Available Sizes and Speed of Operation

- The Linear Lift 800 has a total stroke of 18".
- The lifting speed is 12" per minute.

Cable/Pulley Combinations

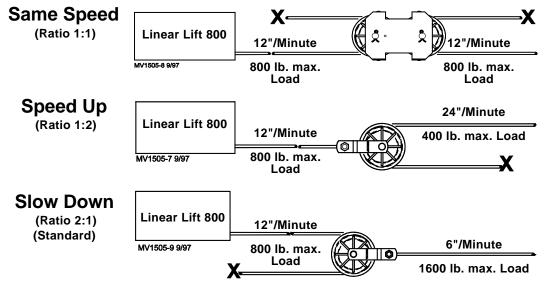
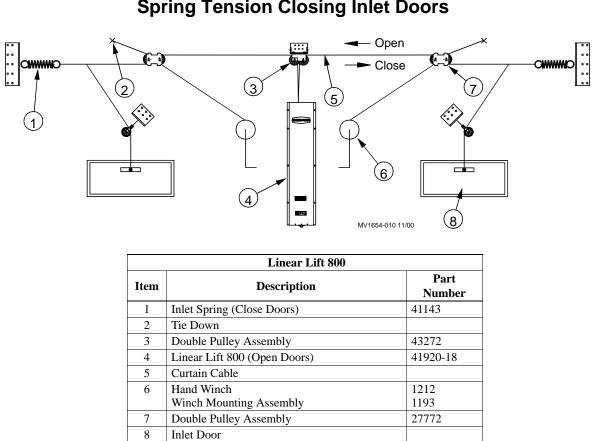
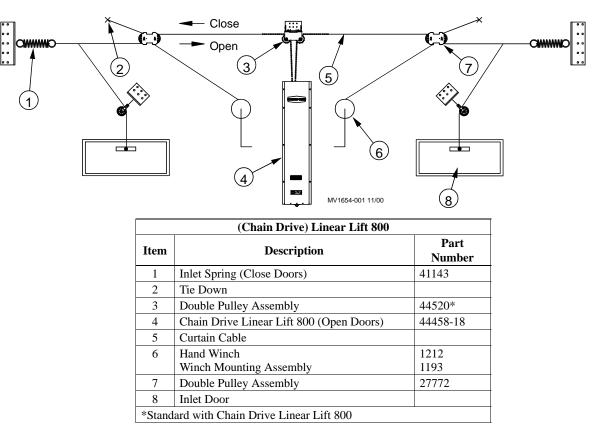


Figure 1. Cable Ratio Diagram (side view).



Linear Lift 800 (41920-18) Side Wall Installation With Spring Tension Closing Inlet Doors

Figure 4. Linear Lift 800 Side Wall Installation with a 1:1 double-back cable arrangement



Linear Lift 800 (44458-18 Chain Drive) Installation with Spring Tension Closing Inlet Doors

Figure 5. Side Wall (Chain Drive) Linear Lift 800 with a 1:1 double-back cable arrangement

Linear Lift 800 Installation

The Linear Lift 800 may be mounted to the wall or ceiling, using (8) 3/8" Lag Screws (included in the Hardware Package). See Figure 8.

- 1. Route the cable as required to the main curtain or baffle board cable.
- 2. Mount the Linear Lift 800 to the wall or ceiling using the hardware provided. **See note below.**

Item	Description
1	Cable Routing
2	Linear Lift 800
3	Mounting Hole Locations

Figure 8. Linear Lift 800 Installation (vertical wall view)

1083-05 1/99

Grease Recommendation

The LINEAR–LIFTTM is fully greased at the factory. However, for maximum life, Chore-Time strongly recommends greasing the Linear Lift 800 at each grease fitting monthly. For best results apply grease through grease fitting while Linear Lift 800 is in operation to put an even coating of grease over the entire length of the Threaded Shaft.

Recommended Grease: Sunoco Construction Grease or Mobile CMP Grease (available through Grainger) or similar water-resistant with moly, extreme pressure (E.P.) grease. **See Figure 9.**

IMPORTANT: Grease monthly for maximum life.

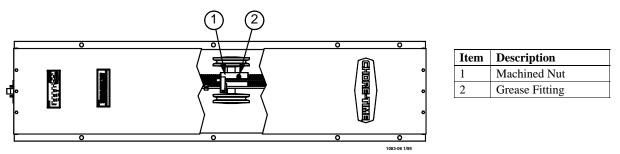


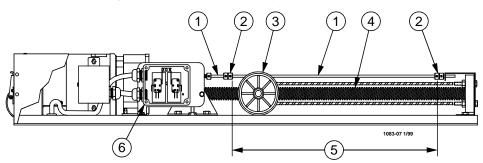
Figure 9. Linear Lift 800 Critical Grease Fitting Locations (horizontal wall mount view)

Linear Lift 800 Switch Adjustment

The Linear Lift 800 has adjustable stops (Set Collars) that may be moved to accommodate a variety of inlet opening lengths.

A 1/8" Allen wench is required to loosen the set screw on the Set Collar (see Item 2 below). Slide the Set Collar(s) on the Switch Rod allow for the maximum inlet opening travel (see Item 4 below).

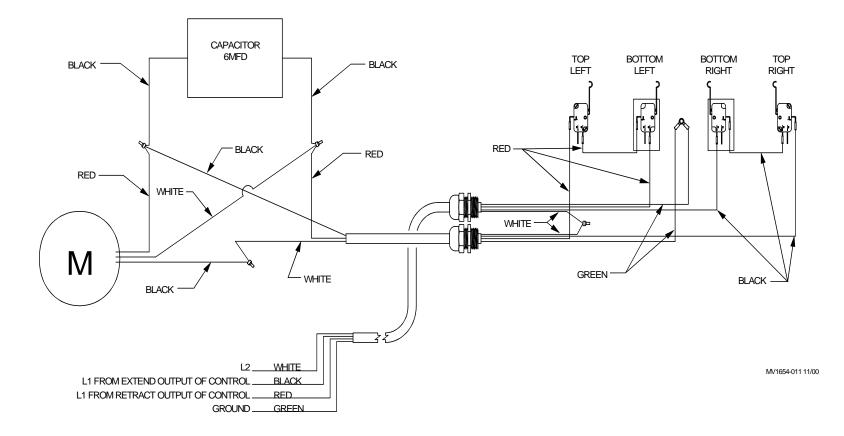
Figure 10 shows the maximum travel settings (at a 1:1 ratio) of the Linear Lift 800s available.



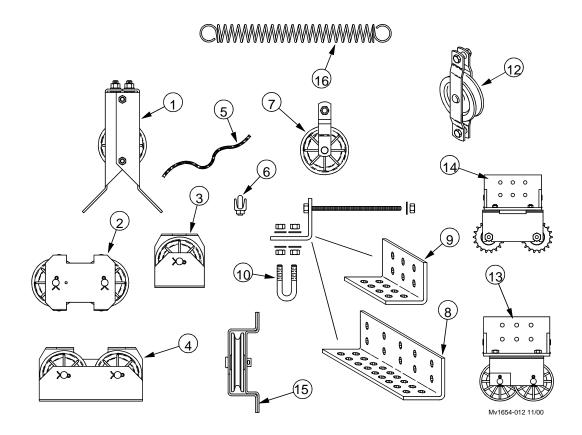
Item	Description	Part No.
1	Switch Rod	41915-1
2	Adjustable Stops (set collar)	41857
3	Nut Assembly	41957
4	Threaded Rod	35945-6
5	Maximum Travel (18")	-
6	Switch Assembly	41916

Figure 10. Linear Lift 800 Adjustment (side view)

Wiring Diagram



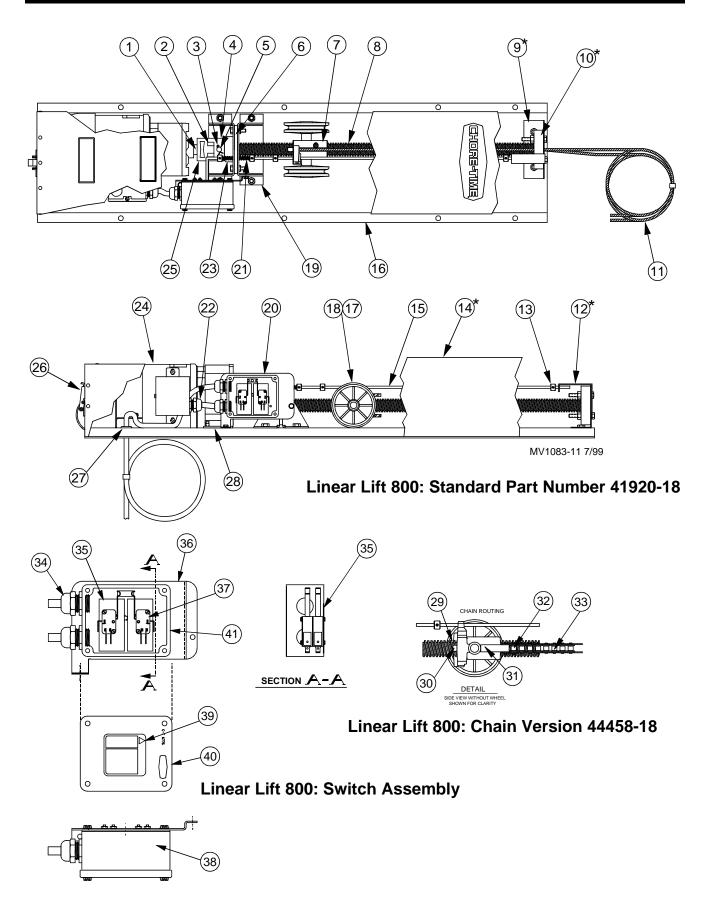
Optional Suspension Parts Listing



Item	Description	Part No.
1	Corner Pulley Assembly	35597
2	Double Pulley Assembly	27772
3	Pulley Kit	27301
4	Center Pulley Assembly	27302
5	3/16" Cable (150')—7/19	13976
	3/32" Cable—galvanized	4973
6	3/16" Cable Clamp	732
7	Pulley Assembly	2500
8	Double Pulley Mounting Brkt.	35404
9	Single Pulley Mounting Brkt.	35405
10	3/16-18x7" U Bolt with Nuts	35602
11	5/16-18x7" Bolt	4412-20
12	Double Eye Pulley	2501
13	Double Pulley Assembly	43272
14	Double Sprocket Assembly	44520
15	Pulley Assembly	28429
16	Inlet Spring	41143

Items 7, 8, 10, & 11 with a quantity of 2 each--may be ordered as a Double Pulley Assembly. Part No. 35600. Items 7, 9, 10, & 11 with a quantity of 1 each--may be ordered as a Single Pulley Assembly. Part No. 35598.

Linear Lift 800 Parts List



Parts Listing and Identification

*Parts listed are Standard unless otherwise marked or stated.

Item	Description	Part No.
1	3/16 x 1 Square Key	2112-1
2	"Sox" Spider Spacer	36333
3	Cotter Pin	2663
4	Flexible Coupling	35944
5	Clevis Pin	36466-1
6	Thrust Plate	41911
7	Linear Lift Nut Assembly	41957
8	Threaded Shaft	35945-6
9	End Bracket	41913
10	Threaded Shaft Pilot	35569
11	Linear Lift Cable	41342
12	Rod Support	42385
13	Set Collar	41857
14	Cover Assembly	41909
15	Switch Rod	41915-1
16	Base	41912
17	Retaining Ring	41525
18	Machined Pulley Wheel	41540
19	LL 800 Thrust Bracket	42848
20	Switch Assembly	41916
21	Compression Spring	49813
22	Liquid Tight Connector	4999-95
23	Thrust Bearing	36397
24	1/6 H.P. Gear Motor 28:1 Ratio	46379

Item	Description	Part No.
25	Flexible Coupling	36363-3
26	Over Center Clamp	37803
27	Rubber Grommet	7256
28	Bison Motor Spacer	42859
*Chain Drive Version		
9*	Pilot End Bracket	44457
10*	Threaded Shaft Pilot	44413
12*	Rod Support	44459
14*	Cover Assembly	44460
29	1/4-20 x 1-1/2 Socket HD Cap Screw	5083-8
30	1/4-20 x 2-1/4 Socket HD Cap Screw	5083-2
31	Chain Connecting Rod	44417
32	Connecting Link (# 40)	20017
33	Drive Chain #10 (#40 Roller)	21045-12
	Switch Assembly	
34	Liquid Tight Connector	23779
35	Switch Insulation	1907-8
36	Switch Mount Bracket	42857
37	Micro Switch	6049
38	Terminal Box	36334
39	Danger Decal	2527-35
40	Switch Box Cover	6776
41	Gasket	6777



Made to work. Built to Last.

Note: The original, authoritative version of this manual is the [English] version produced by CTB, Inc. or any of its subsidiaries or divisions, (hereafter collectively referred to as "CTB"). Subsequent changes to any manual made by any third party have not been reviewed nor authenticated by CTB. Such changes may include, but are not limited to, translation into languages other than [English], and additions to or deletions from the original content. CTB disclaims responsibility for any and all damages, injuries, warranty claims and/or any other claims associated with such changes, inasmuch as such changes result in content that is different from the authoritative CTB-published [English] version of the manual. For current product installation and operation information, please contact the customer service and/or technical service departments of the appropriate CTB subsidiary or division. Should you observe any questionable content in any manual, please notify CTB immediately in writing to: CTB Legal Department, P.O. Box 2000, Milford, IN 46542-2000 USA.

Revisions to this Manual

13

. Description of Change	
Replaced 42047 Spring with 498	
Added new Note:	

2,16 Updated Area Code

Contact your nearby Chore-Time distributor or representative for additional parts and information.

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