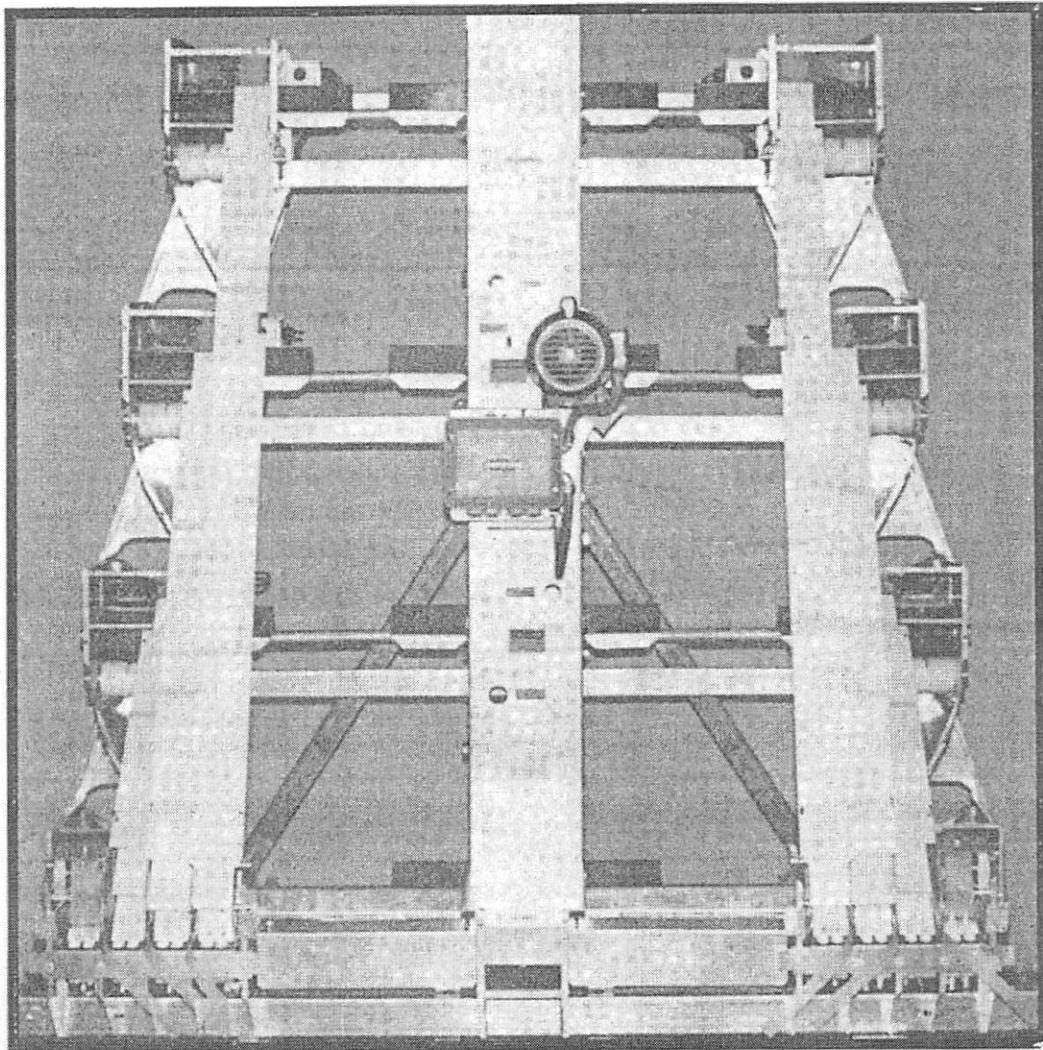


CHORE-TIME®

SSS EGG COLLECTOR
3 & 4-HI -- 2" & 4" EGG BELT
*Including installation instructions,
operation, and parts lists*



CHORE-TIME®

SSS EGG COLLECTOR

CHORE-TIME®

ME748C44-589

When ordering parts, Remember. . .

All parts should be ordered by **PART NUMBER** and **DESCRIPTION** as given in the **PARTS LIST**

Parts are always billed when shipped. If a returned part is defective, and within warranty period, credit will be allowed against billing.

CHECK SHIPMENT FOR DAMAGES AND SHORTAGES.

All claims for damages or shortages resulting from shipment must be filed with the carrier.

PLEASE read the installation instruction prior to beginning the installation.

The collectors MUST be installed properly to insure proper operation of the cross conveyor equipment.

Table of Contents

<i>Planning the System</i>	3
<i>Installation</i>	4 - 11
<i>Wiring Diagrams</i>	12 - 17
<i>Parts List General Information</i>	18
<i>Parts List (Collector Assembly part no.s)</i>	19
<i>Parts List (parts common to 3 and 4-Hi)</i>	20 - 27
<i>Parts List (3-Hi components only)</i>	28 - 35
<i>Parts List (4-Hi components only)</i>	36 - 45
<i>Warranty Information</i>	44

Electrical Wiring Notes. . .

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.



CAUTION



Guards and covers are installed on the equipment for your safety. Disconnect power prior to removing guards and covers when servicing the Egg Collectors.

Thank-you for purchasing a Chore-Time SSS Egg Collector!

This instruction will provide you with the necessary information for installation, wiring, and operation of the collectors. Read it carefully prior to beginning the installation.

Notice the wiring notes on the wiring diagrams. Wiring should be done by a qualified electrician, in accordance with local and national electrical codes.

||||| This bar denotes changes made to this instruction since the last printing. It will appear in the left or right hand border, near the revised information.

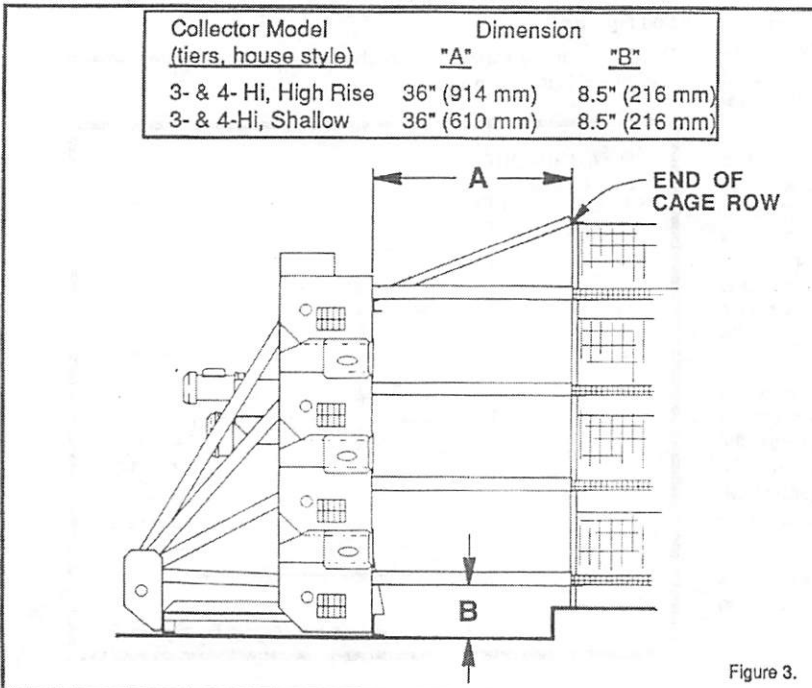
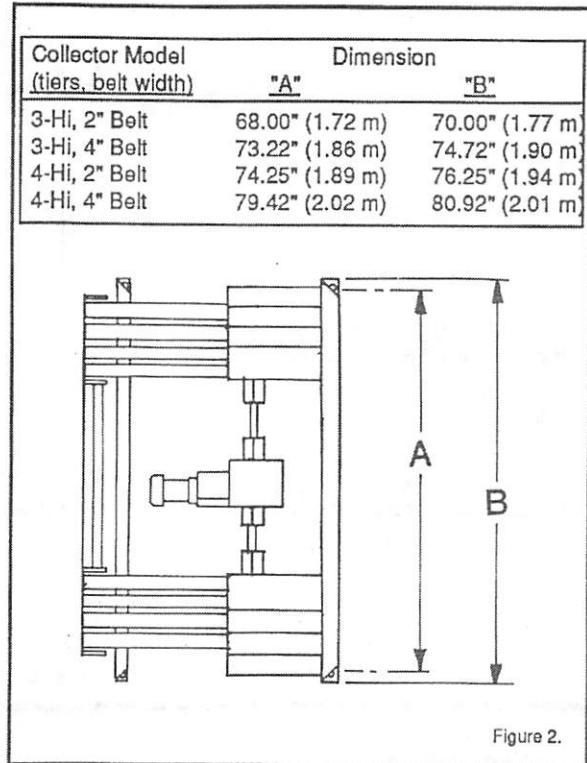
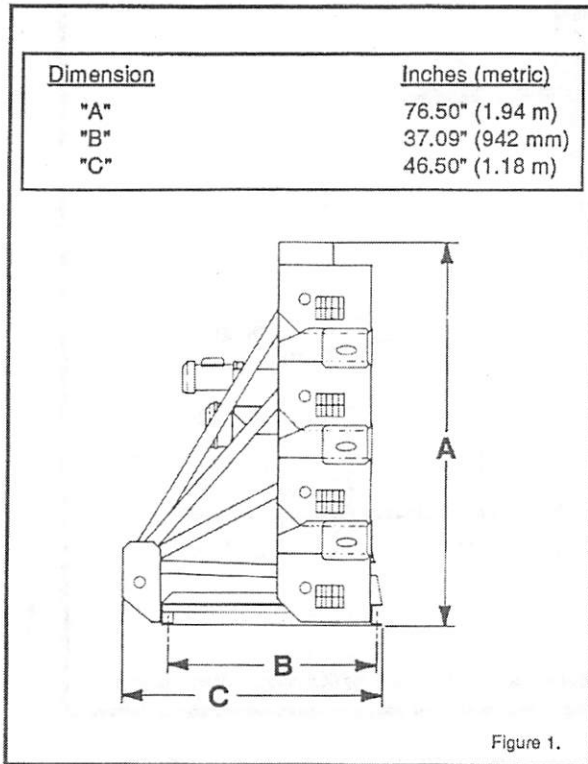


Planning the System

Dimensions are shown for the 3-high & 4-high SSS Egg Collectors in Figure 1 and Figure 2. Use these dimensions when planning the collector and cross conveyor installation.

All SSS Egg Collectors require a minimum of 48" (1.22 m) to move the unit through a door of an existing building.

SSS Collectors require anchor spacing as shown in Figures 1 & 2. Note that this spacing is different than the required spacing for cage floor supports. Figure 3 shows placement and dimensions required for installation to cage row and cross conveyor system.



IMPORTANT

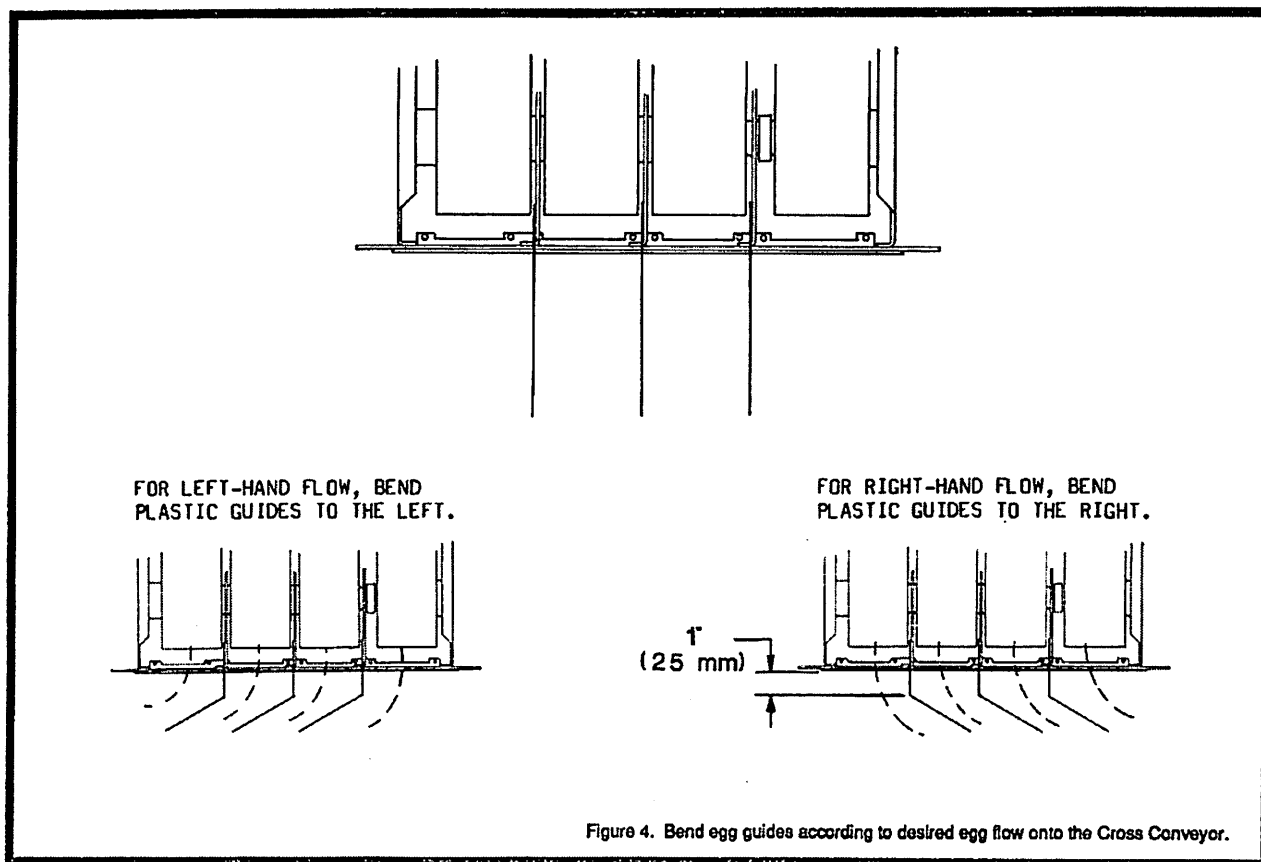
The dimensions shown in Figures 1, 2, & 3 are for reference and planning purposes only.



Made to work.
Built to last.

Installation of the Plastic Egg Guides

Before installation of the collectors, prepare the egg guides on the front of the collector according to the intended direction of egg flow onto the cross conveyor. Each collector is manufactured with plastic egg guides installed for egg flow in either direction. All plastic egg guides are to be bent approximately 1" (25mm) from the egg collector in the direction of the egg flow. See Figure 4.



Position the Egg Collectors

INSTALL THE EGG COLLECTORS ON THE TWO OUTER CAGE ROWS IN THE HOUSE (ROWS NEAREST TWO OUTSIDE WALLS) FIRST. Then, after these collectors are placed, install the collectors between these units so that they are in-line and cross conveyor equipment can be easily installed.

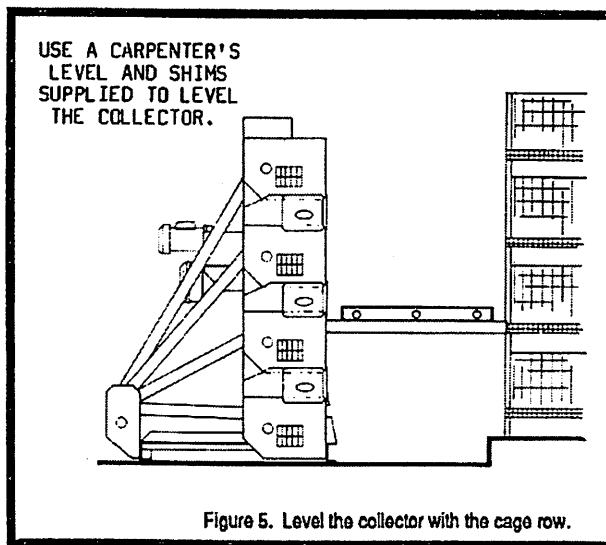
Position each Egg Collector on the supports, in roughly its final position. Dimensions are shown in Figures 1, 2, and 3 for reference in planning and installing the system. See Figure 3 for dimensions between collector module and end framing. For distance from the first cage support to the center of the cross conveyor tray and distance from the edge of the cage floor stand to the front edge of the cross conveyor, see Figure 3. Observe the collector dimensions and placement requirements carefully when positioning the unit.

Align all collectors at front for installation of the cross conveyor equipment. It's easiest to determine this location, then snap a chalk line and use it to position the egg collectors. Install the "outside" collectors first, then use them to help align the remainder of the units. IT IS IMPORTANT TO ALIGN THE FRONT OF THE COLLECTORS. Otherwise, installation of the cross conveyor tray and cross conveyor egg belt will be difficult.

Temporarily install the bottom line egg trays and tray extensions on both side of the collector. The egg trays are shipped in the egg collector assembly kit.

Use a carpenter's level and shims (shims are provided in the assembly kit) to level the machine front-to-back and side-to-side. See Figure 5.

Drill holes for lag screws and anchor the collector securely after it is level and in its final position.



Install Egg Trays

Install the egg trays and extensions connecting the cage row to the collector. Tabs on the egg trays hook under cage egg tray. See Figure 6. NOTE: Bend the tip of the egg tray slightly to "nose" it under the egg tray wire. Bend the tabs to hold egg tray to the cage wire.

Use 10-24 machine screws and hex nuts to attach the trays to the collector entrance. The Belt Riser attaches inside the Egg Tray on the aisle side of the Egg Tray with two 10-24 machine screws. See Figure 7.

Fasten the egg sweep to the egg tray as shown in Figure 7. The sweeps help single file the eggs as they go into the de-escalator. Note: The Egg Sweeps and Belt Risers are only needed in 4" Belt installations.

Egg Tray Extension Installation

Egg Tray Extensions are used when the Egg Trays will not reach the de-escalator as shown in Figure 8.

1. Hook the Egg Tray to the cage Egg Tray, then fasten the Egg Tray Extension to the collector.
2. Lay the Egg Tray into the Egg Tray Extension. Then use the holes in the Egg Tray for a guide in drilling the holes in the Egg Tray extension. Bolt the two trays together with 10-24 Truss Head Machine Screws.

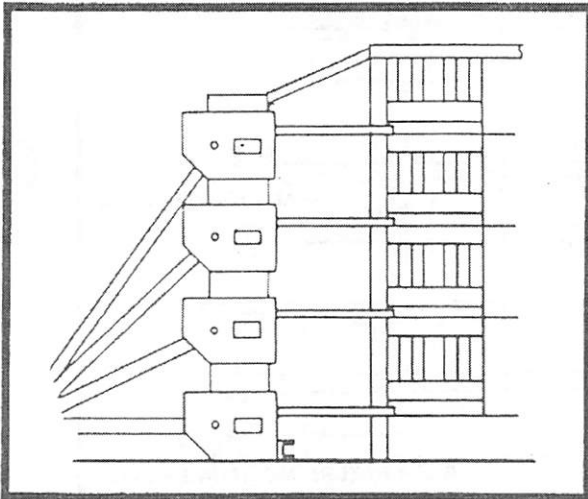


Figure 8. Egg Tray Extensions and Collector End Framing diagram.

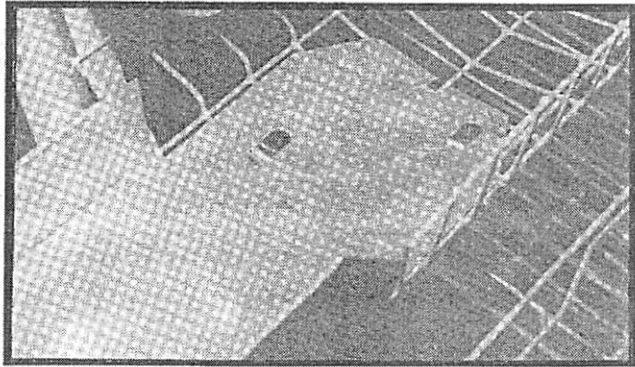


Figure 6. Egg Tray fastened to Egg Tray Wire.

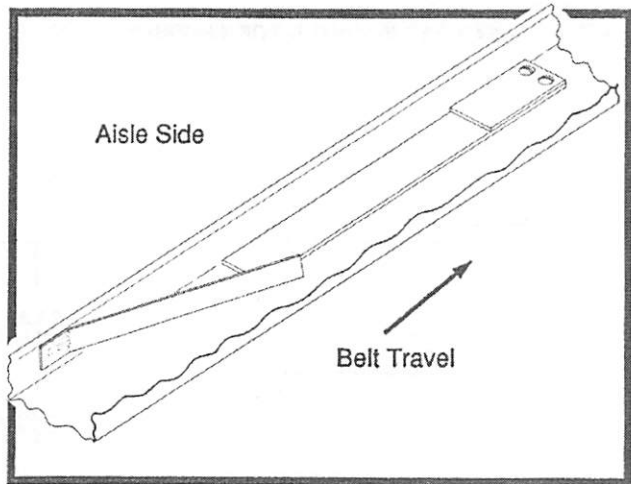


Figure 7. Egg Sweep Installed in Egg Tray.

Install the Collector End Framing

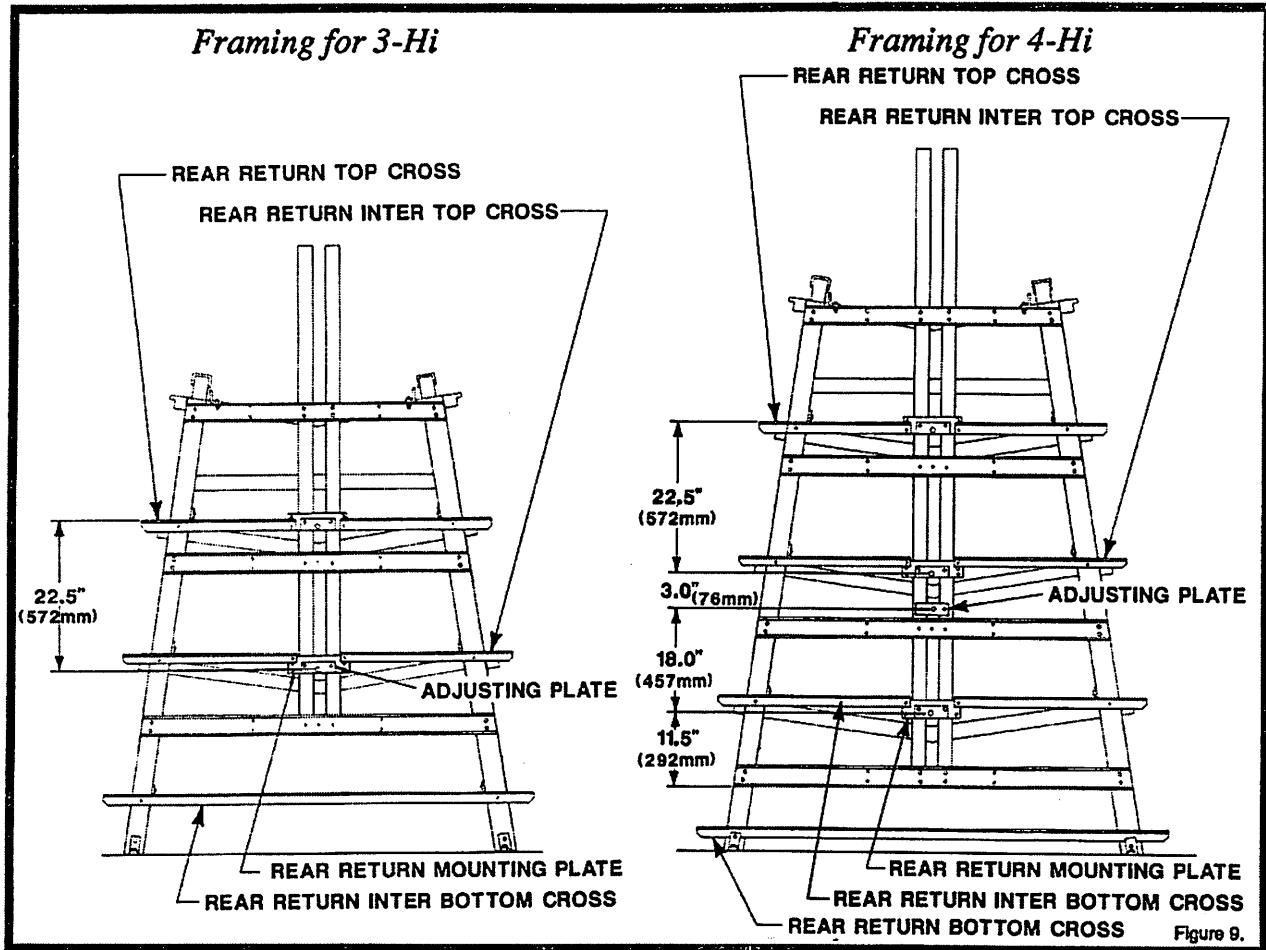
Installation of the collector end framing for the 3-Hi and 4-Hi SSS Collector is the same. Install the framing as shown in Figure 8. Place washers over the slots in the end framing during framing assembly.

REAR RETURN FRAMING INSTALLATION

FeedKar Cages and Dropping Board Scrapers

The installation of the rear return framing of the 3-Hi and 4-Hi SSS Collector for FeedKar cages with Dropping Board Scrapers is similar. Refer to the appropriate 3-Hi or 4-Hi diagram in Figure 9 for proper installation.

1. Loosely bolt a Rear Return Mounting Plate and an Adjusting Plate with 5/16" bolts at locations shown in Figure 9.
2. The Rear Return Bottom Cross bolts to the bottom of the two Rear Return Legs. The Rear Return Top Cross, the Rear Return Inter Top Cross, and the Rear Return Inter Bottom Cross attach to the Rear Return Mounting Plate and Rear Return Leg as shown in Figure 9.
3. Tighten all Rear Return Framing hardware.



Ultraflo Curtain Back Cages

The Rear Return Top Cross, the Rear Return Inter Top Cross, the Rear Return Inter Bottom Cross, and the Rear Return Bottom Cross bolt to the Rear Return Leg as shown in Figure 10.

Rear Return Assembly Installation

Use two 5/16" carriage bolts, washers, and nuts to install the Rear Return Assemblies to the Rear Return Extensions. The Rear Return Extensions are then installed on the Rear Return Crosses as shown in Figure 11. The Rear Return Assembly and the Rear Return Extension should be installed so that the belt pulls up against the belt scraper as it comes out from beneath the egg tray. See Figure 12. Be sure to install the Rear Returns on the correct side of the cage row. The belt scrapers are angled so that the scrapings are pushed toward the pit. See Figure 12.

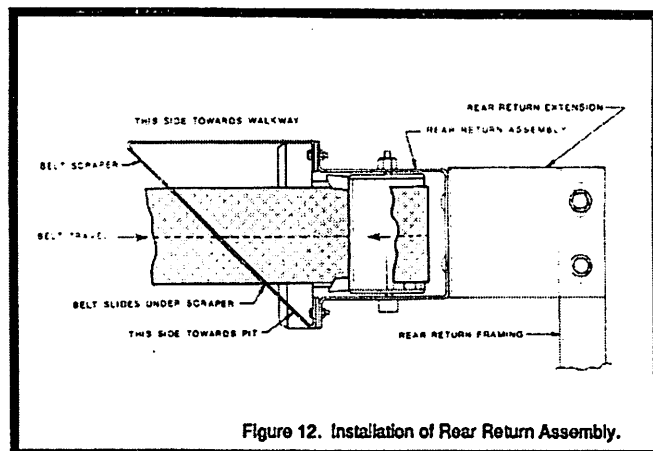
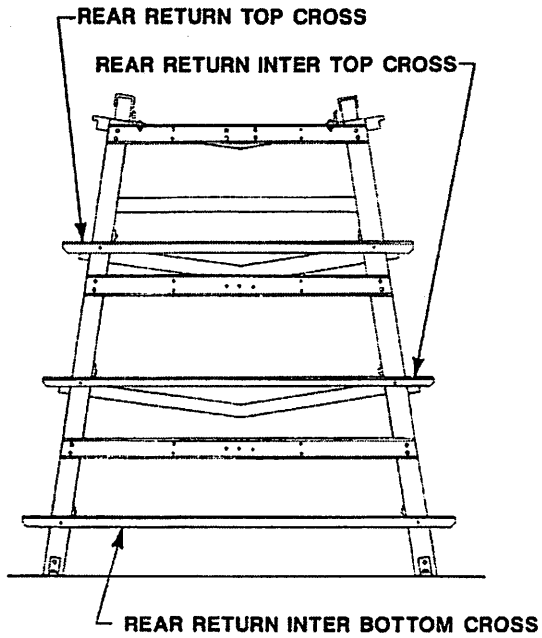


Figure 12. Installation of Rear Return Assembly.

Framing for 3-Hi



Framing for 4-Hi

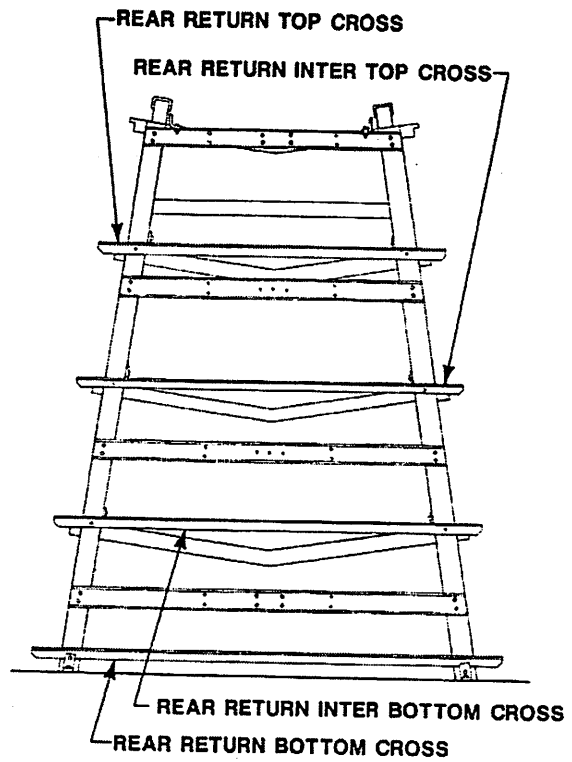
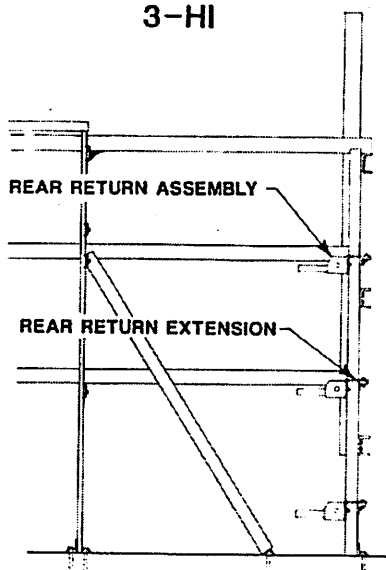


Figure 10.

Rear Return Assemblies for 3-Hi

3-HI



Rear Return Assemblies for 4-Hi

4-HI

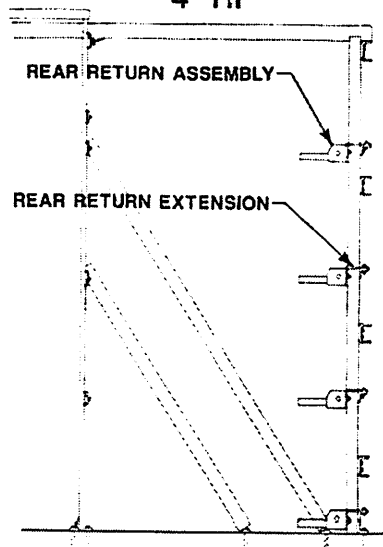
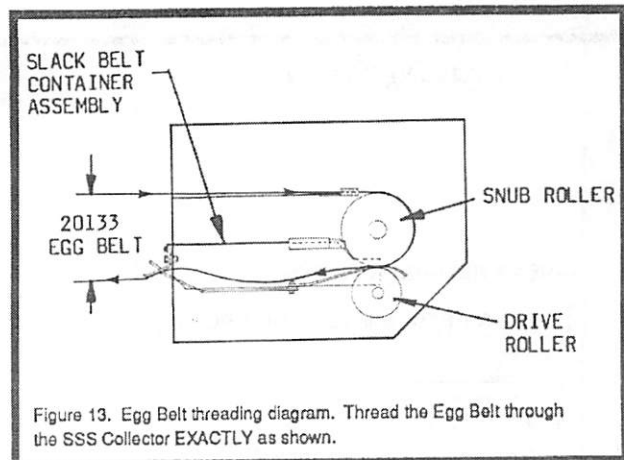
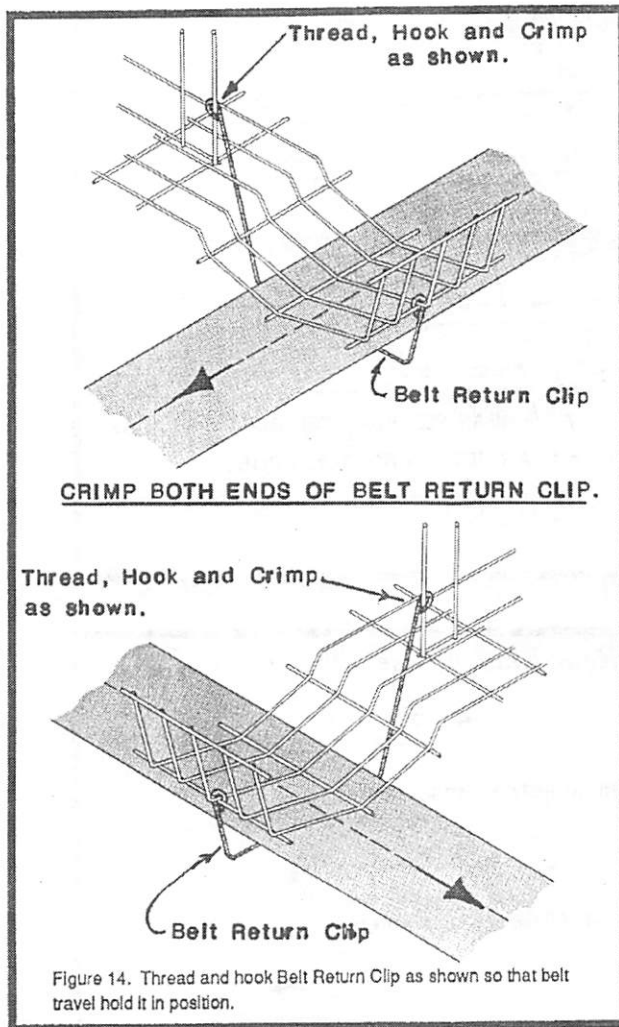


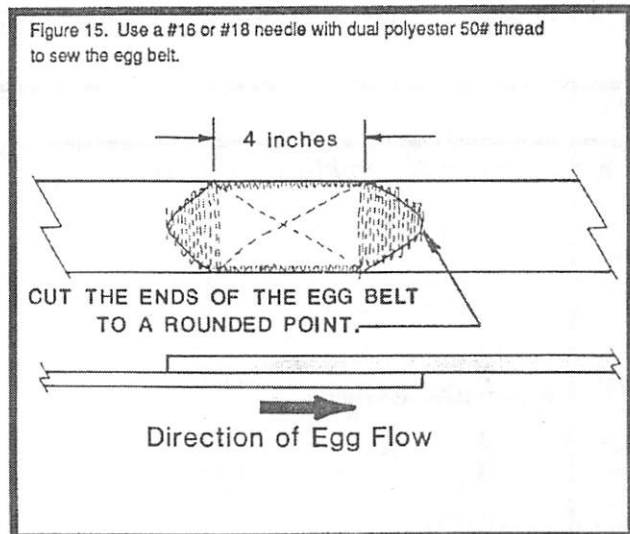
Figure 11.

Installation of Egg Belt

1. Unroll the Egg Belt in the Egg Tray. Thread the belt around the Rear Return Roller and pull the belt back to the collector beneath the Egg Tray.
2. Thread the Egg Belt through the egg collector as shown in Figure 13.
3. Install Belt Return Clips on all cage rows after Belt is installed. Install a Belt Return Clip ONE CAGE PARTITION FROM EACH END OF THE CAGE ROW; then, beginning at the Collector end of the line, install a clip at the first partition PAST each cage floor support. Install Belt Return Clips on All Cage Rows. Belt Return Clip should be installed so that belt travel holds it in position. See Figure 14 for proper installation.



4. Stretch the belt by hand. THE BELT SHOULD BE STRETCHED 1/2% OF THE BELT LENGTH, OR 6" (152 MM) OF STRETCH PER 100' (30 M) OF BELT.
5. Cut and sew the belt.
 - A. Trim the belt to a rounded point. See Figure 15.
 - B. Overlap the ends of the belt 4" (100 mm) as shown in Figure 15. There must be 4" (100 mm) of FULL WIDTH BELT OVERLAP!
 - C. Sew the belt. Be sure the two ends are in line so that the belt will not be crooked. BE SURE THE ENDS OF THE BELT ARE COMPLETELY STITCHED DOWN!
 - D. Apply PVC glue over the stitched down ends of the belt to help prevent the belt from unraveling.



CHORE-TIME®

SSS Egg Collector
3-Hi and 4-Hi
2" and 4" Belt

Egg Tray Brace Installation

Install an Egg Tray Brace at the rear return end of the cage egg tray. Use extra ferrules to attach the brace as shown in the appropriate Figure 16A or 16B.

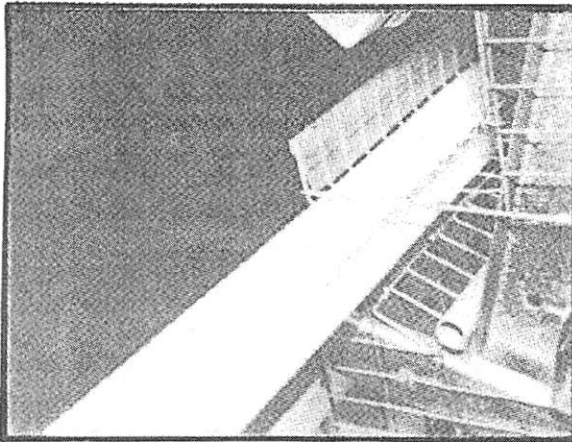


Figure 16A. 2" Idler End Belt Guide

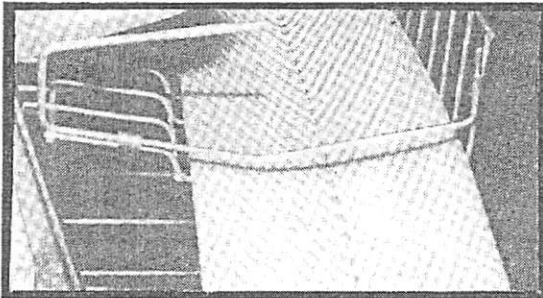


Figure 16B. 4" Egg Tray Brace

Install Egg Sweep Braces and Egg Sweep Cross Braces

Install four egg sweep braces and two cross braces on each collector; two per set of de-escalators as shown in Figures 17 and 18. Use hardware as shown.

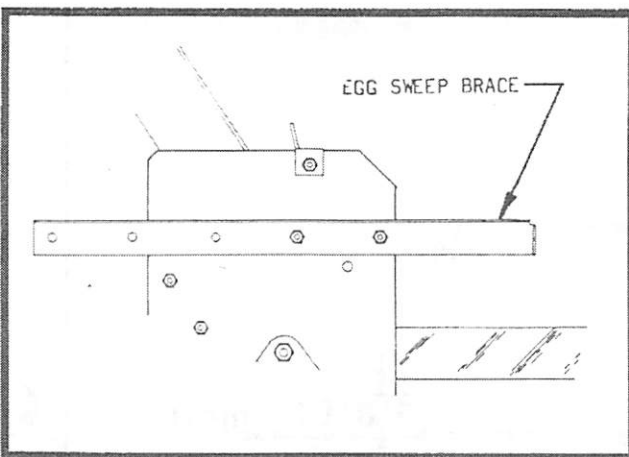


Figure 17. Install Egg Sweep Braces at each de-escalator

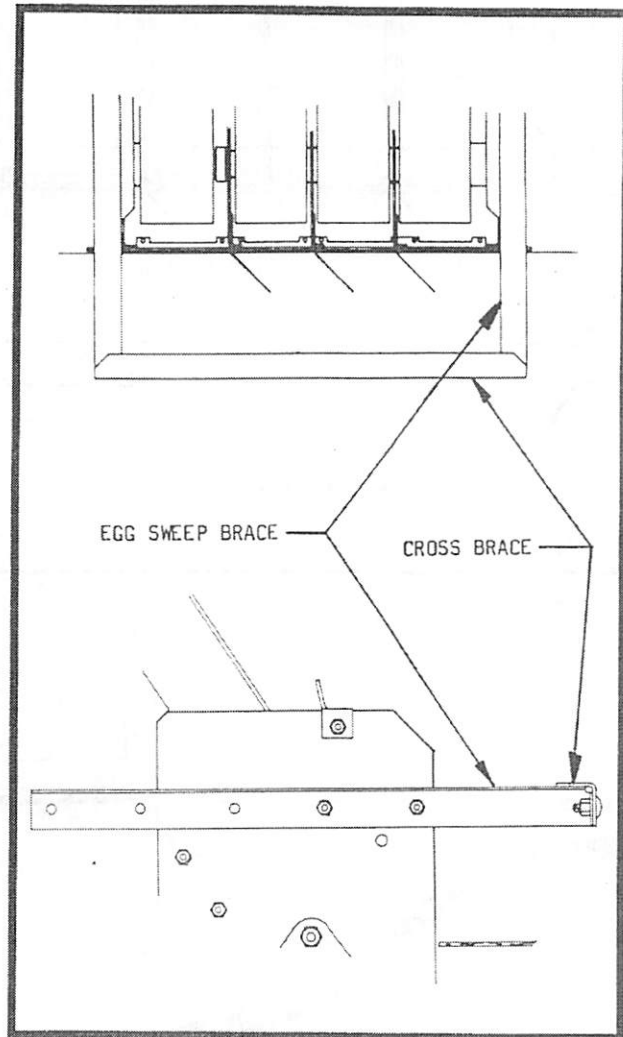


Figure 18. Install Cross Brace at each de-escalator

Install the Egg Sweeps

Install plastic egg sweeps as shown in Figure 19. Only attach to the cross brace at the two locations shown. The bottom of the plastic egg sweeps should be 5/8" (15 mm) above the cross conveyor.

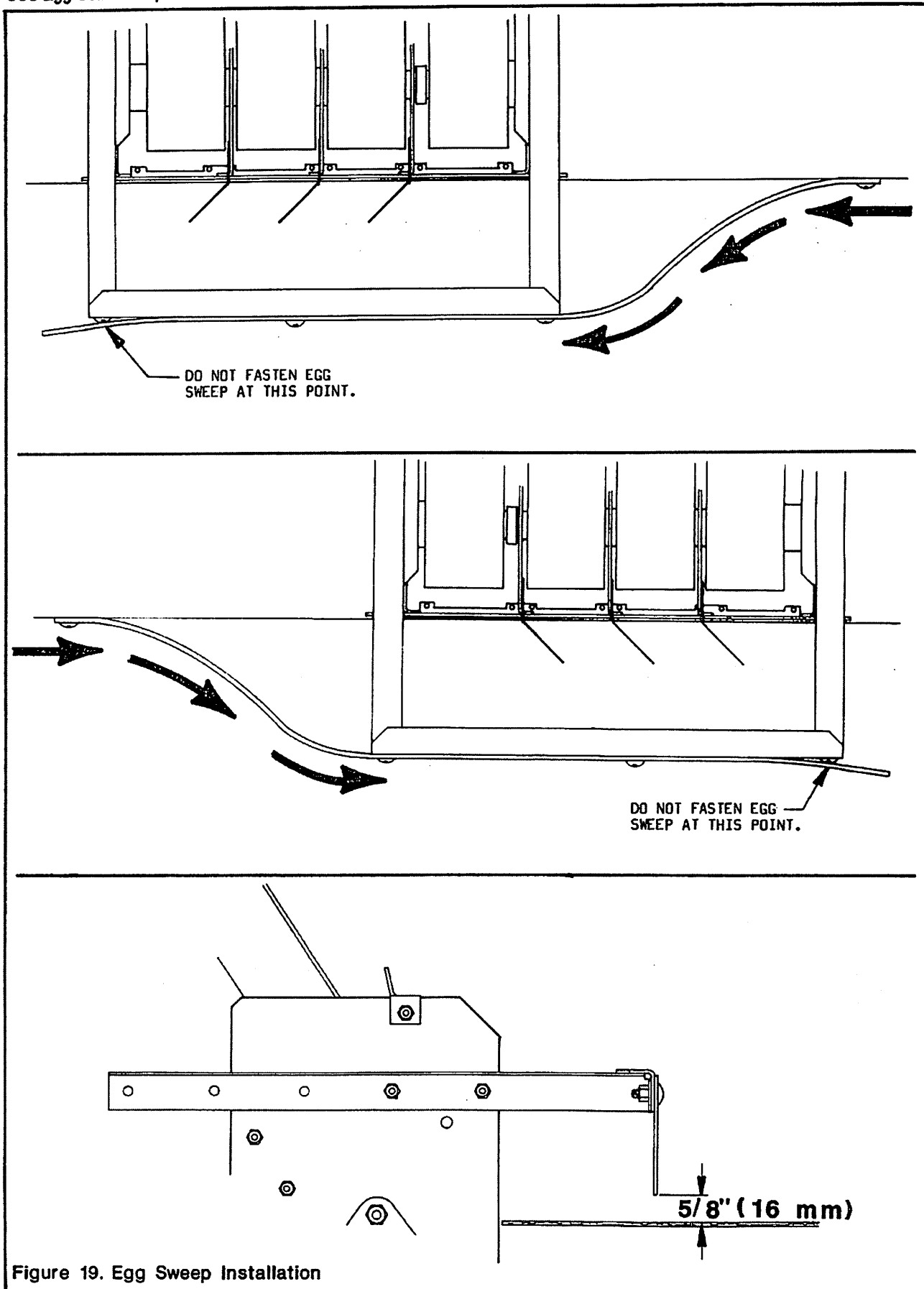


Figure 19. Egg Sweep Installation

Rod Transfer Kit

The Rod Transfer Kit is used with the SSS Collector when a rod-type cross conveyor is used.

See the instructions packed with the Rod Transfer Kit for proper installation.

Install the Controls

Cross conveyor system and flow control installation is covered in Chore-Time Manual ME626/the Cross Conveyor Equipment Operator's Manual. The manual also contains information for installation and field wiring of egg collector controls. Use wire of adequate size. All electrical wiring should be done by a qualified electrician in accordance with local and National Electrical Codes. Ground all electrical equipment.

Three Phase Controls

On collectors with three phase motors, the motor voltage and motor rotation must be set by the electrician at the job site.

Egg Counter Control Box

Use water-tight connectors on the Counter Junction Box and Counter Box Assembly. The reliability of the counters depends on a dry, clean environment inside the boxes. Note: The warranty is voided if water tight connectors are not used. A 20 gauge, 9-conductor wire that meets local and national electric codes is recommended to connect the Counter Junction Box to the Counter Box Assembly.

CAUTION When fastening the wire to the building or equipment, do not:

- kink the wire
- place it against sharp objects
- short the wire by installing metal straps or staples so that they cut the insulation
- route the wires anywhere the birds can reach them

The counter may be reset using the red button on the front of each counter. **DO NOT RESET THE COUNTER WHILE THE COLLECTOR IS OPERATING.**

Use only Dura-cell ("D" size) batteries for replacement of the power supply. Replace the batteries in the position indicated by the decal.

RECOMMENDATIONS AND GUIDELINES FOR OPERATION

A control switch on the egg collector and cross conveyor power unit has two operating positions, in addition to the "off" position. Each of these positions....."manual" and "remote" has a specific purpose.

Manual operation permits each collector to operate independently. This is used most commonly for servicing the equipment.

Remote operation ties the egg collectors and cross conveyor equipment into the master control panel. Individual collectors and the cross conveyor can start and stop as needed. Flow controls installed on the cross conveyor tray control collector operation according to the volume of eggs.

Operation of the cross conveyor is controlled by the master switch on the Master Control Panel.

MAINTENANCE RECOMMENDATIONS

! IMPORTANT !

1. Ground all electrical equipment.
2. All electrical wiring should be done by a qualified electrician in accordance with Local and National Electrical Codes.
3. Use wire of adequate size.
4. Keep all guards and shields in place.
5. Disconnect electrical power before inspecting or servicing the equipment!

DAILY MAINTENANCE

1. Before operating the equipment, check all lines to be sure nothing is blocking the egg belts.
2. Observe the Rear Returns while making daily rounds. All belts should track straight through the Rear Returns. Adjust if necessary.
3. Turn each machine to "Manual" switch position to check for blown fuse/the fuse is blown if the indicator lights.
4. Check flow controls for satisfactory operation.

WEEKLY MAINTENANCE

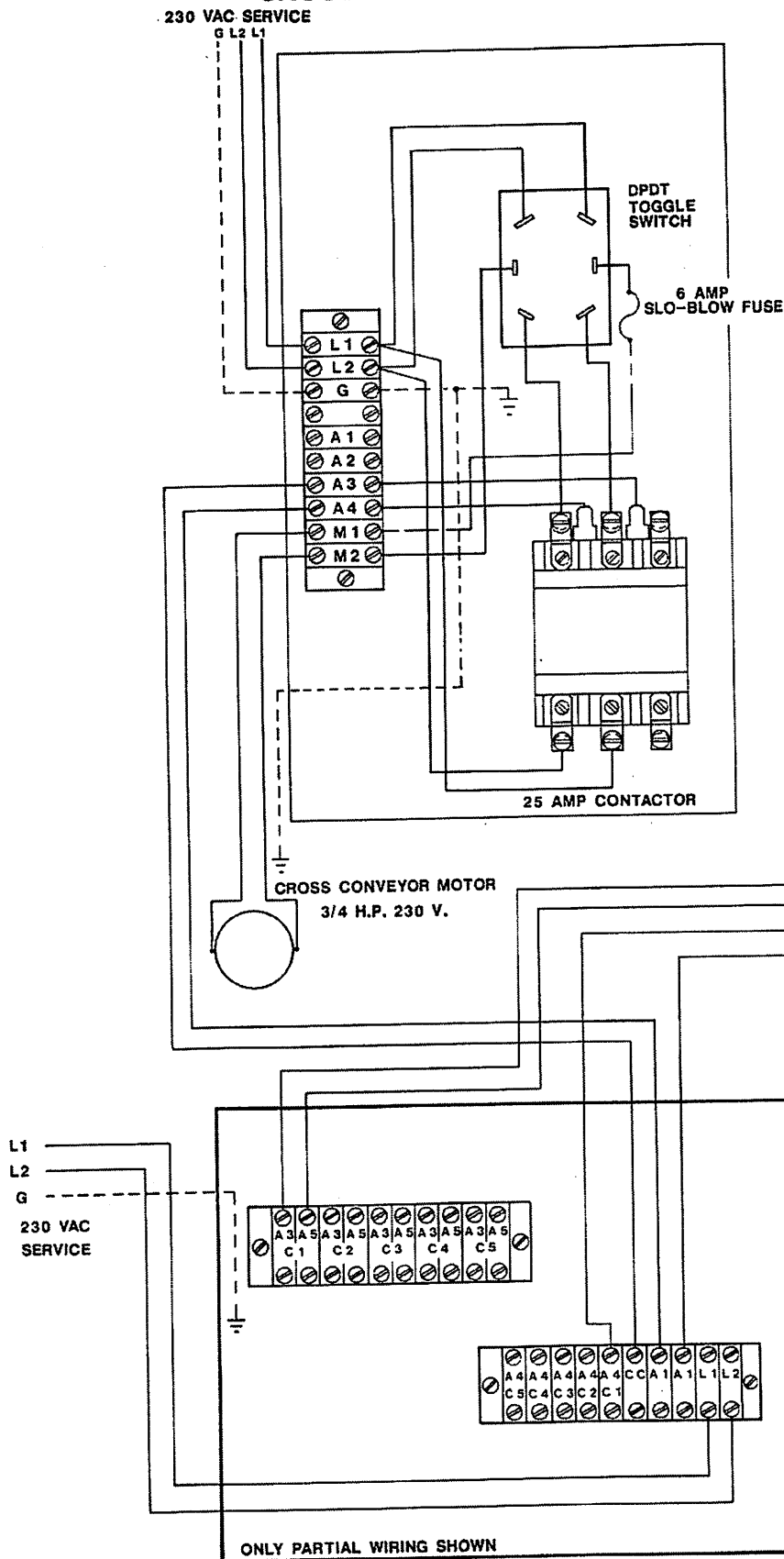
1. Check Egg Collector De-Escalators for tracking and alignment. Adjust if necessary.
2. Clean the collector carefully. Do not allow dirt or feathers to build up on the collector equipment.

MONTHLY MAINTENANCE

1. Check for dirt build-up around the collector power unit. Clean as needed.
2. Check for dirt build-up under the cross conveyor belt in front of each machine. Clean as needed.
3. Clean idler end framing.
4. Oil drive chains on the collector.
5. Adjusting the Tracking. If an Egg Belt tracks incorrectly, loosen the bolts holding the bearing in place on the side of the Modules. Since the belt will track in the direction it's tightest, adjust the bearing accordingly and tighten bearing bolts.

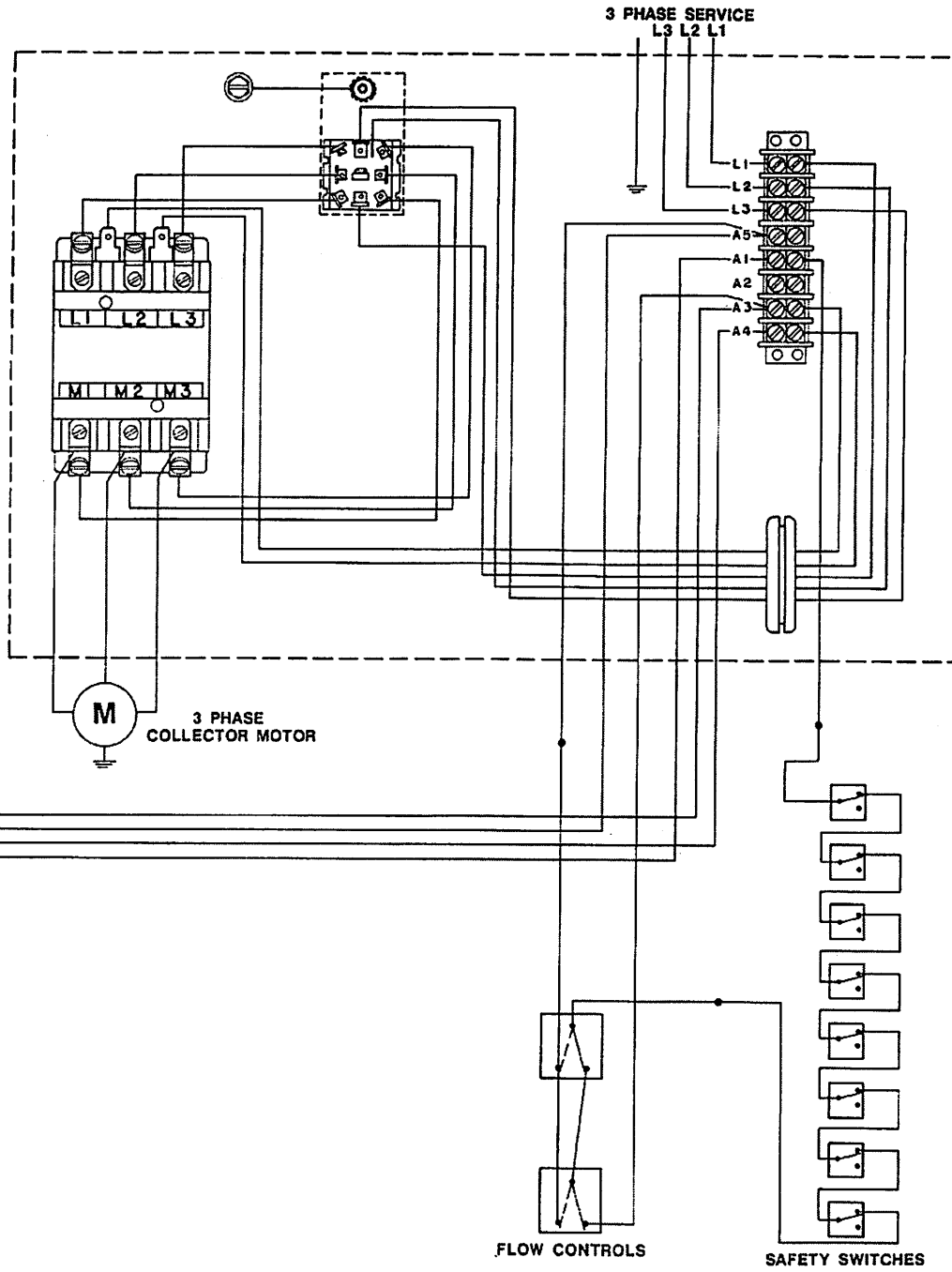


CROSS CONVEYOR CONTROL PANEL



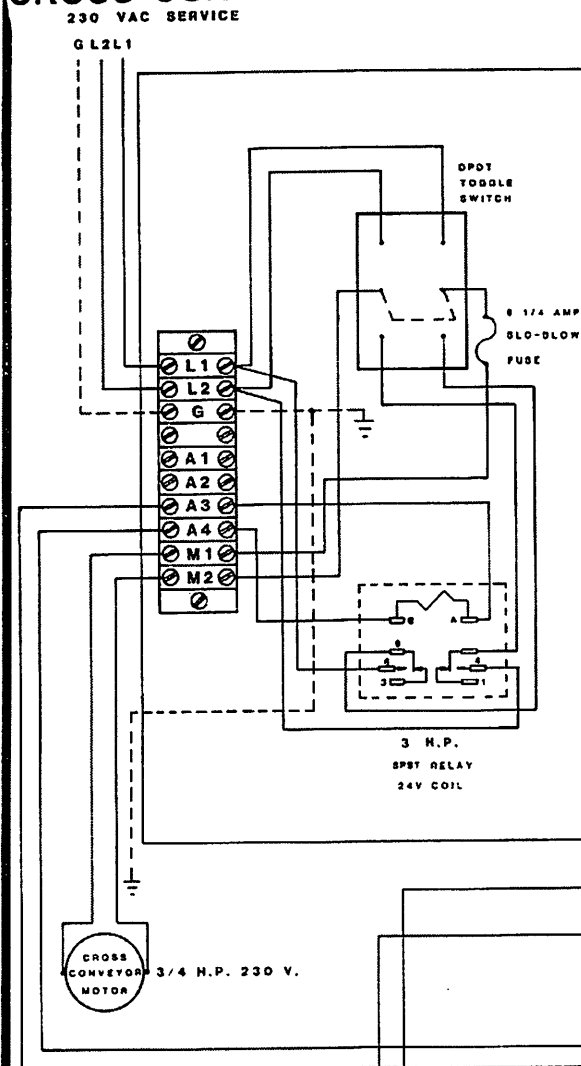
STATION CONTROL PANEL

3 PHASE COLLECTOR CONTROL UNIT

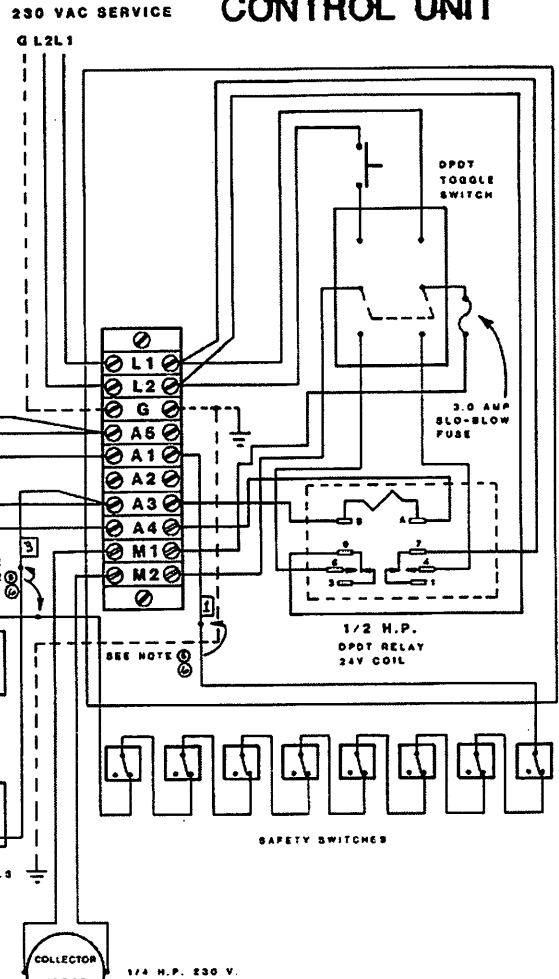


Single Phase Collector Wiring

CROSS CONVEYOR CONTROL UNIT

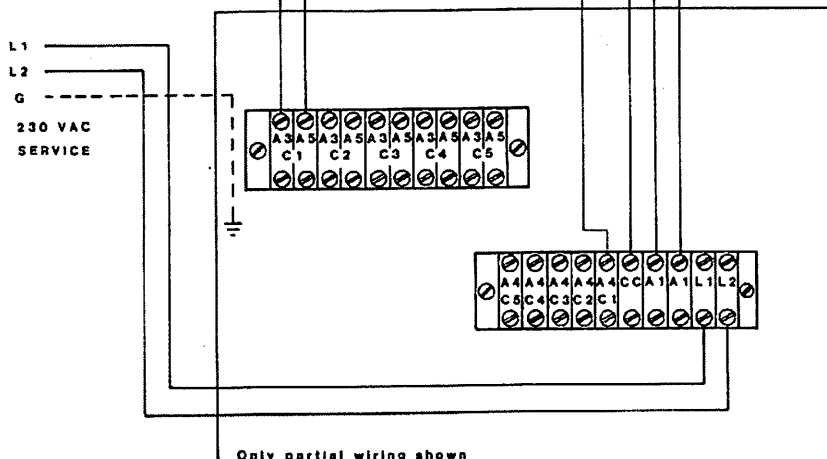


SINGLE PHASE COLLECTOR CONTROL UNIT



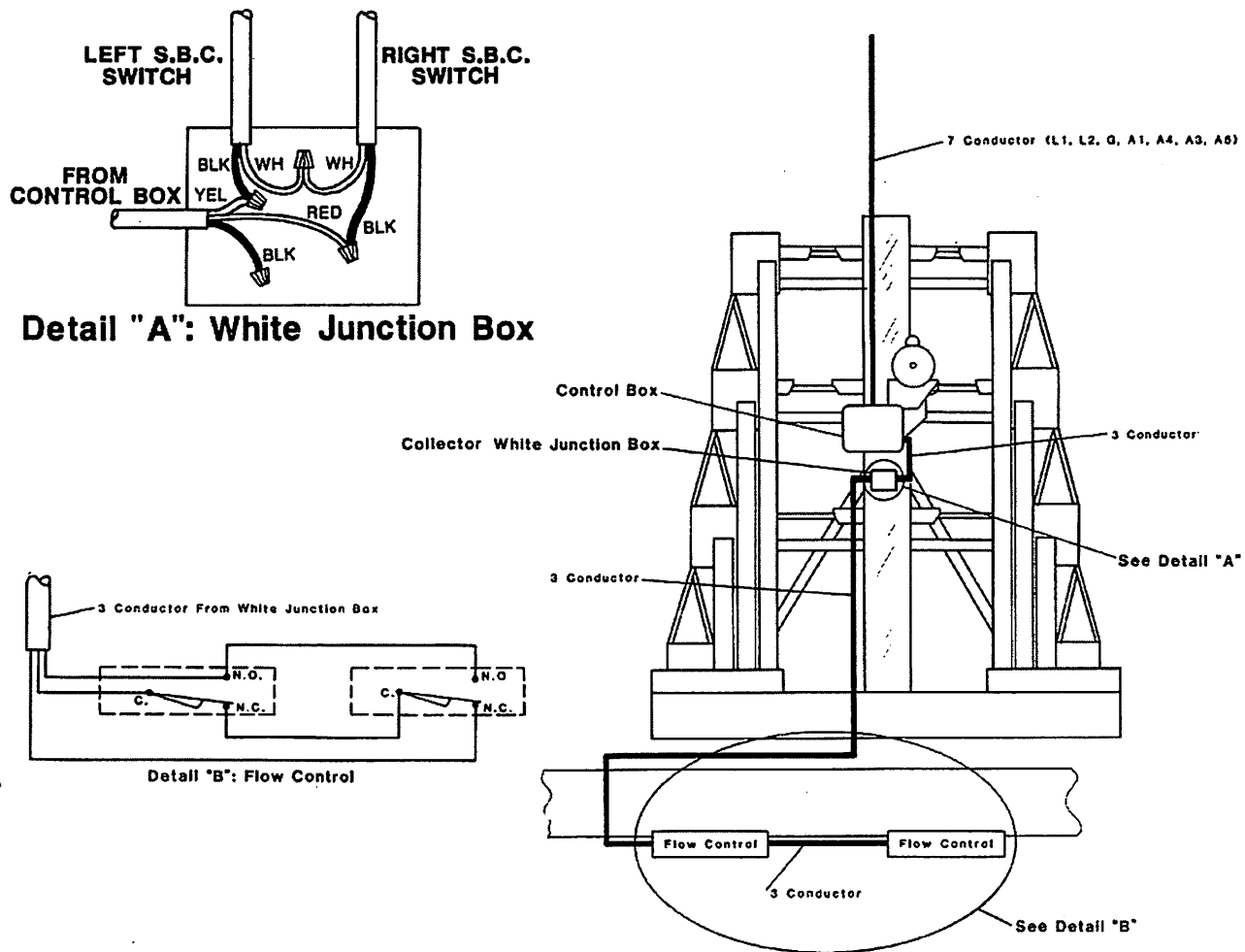
WIRING NOTES

1. Cross Conveyor terminal, CC, is controlled by the Master Switch.
2. Collector terminals, C1, C2, etc., are controlled by the corresponding switches.
3. All unit Control Circuits are 24 Volt.
4. All Cross Conveyor and Side Conveyor Power Units are controlled from terminals CC and A1.
5. Connect in white box under Collector Power Unit.
6. Machine is factory wired for use w/o Flow Controls. Where Flow Controls are to be used, remove wire nut from wire 3 and slack belt wire. Next, connect wire from slack belt to common of Flow Controls. Wire 3 will go to normally closed of the Flow Controls. Wire 5 will go to normally open of the Flow Controls.

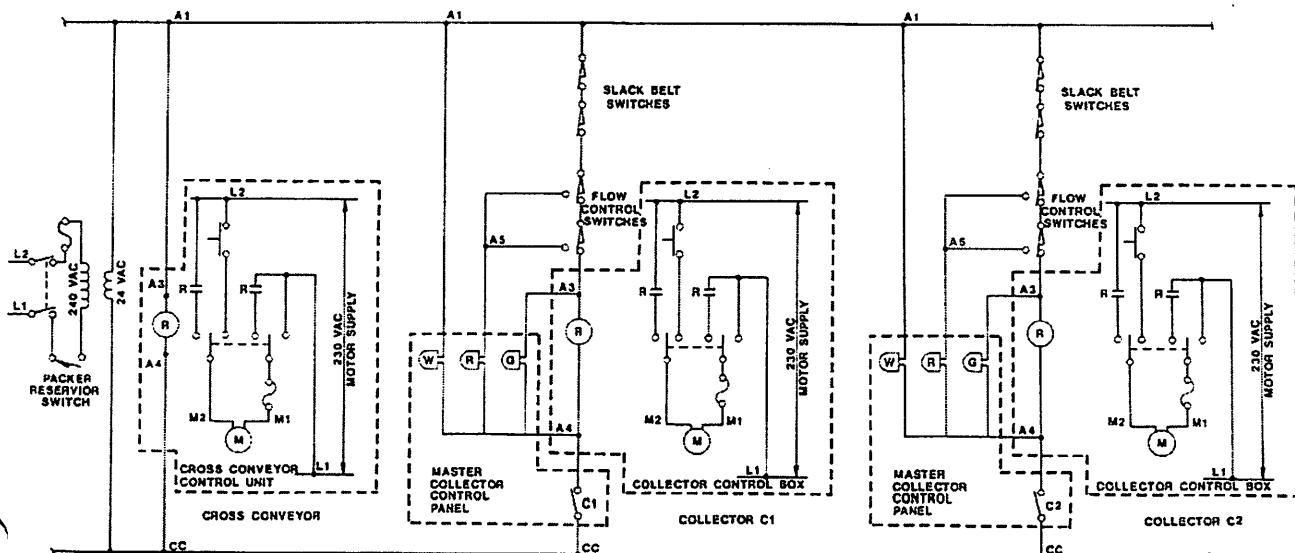


Only partial wiring shown

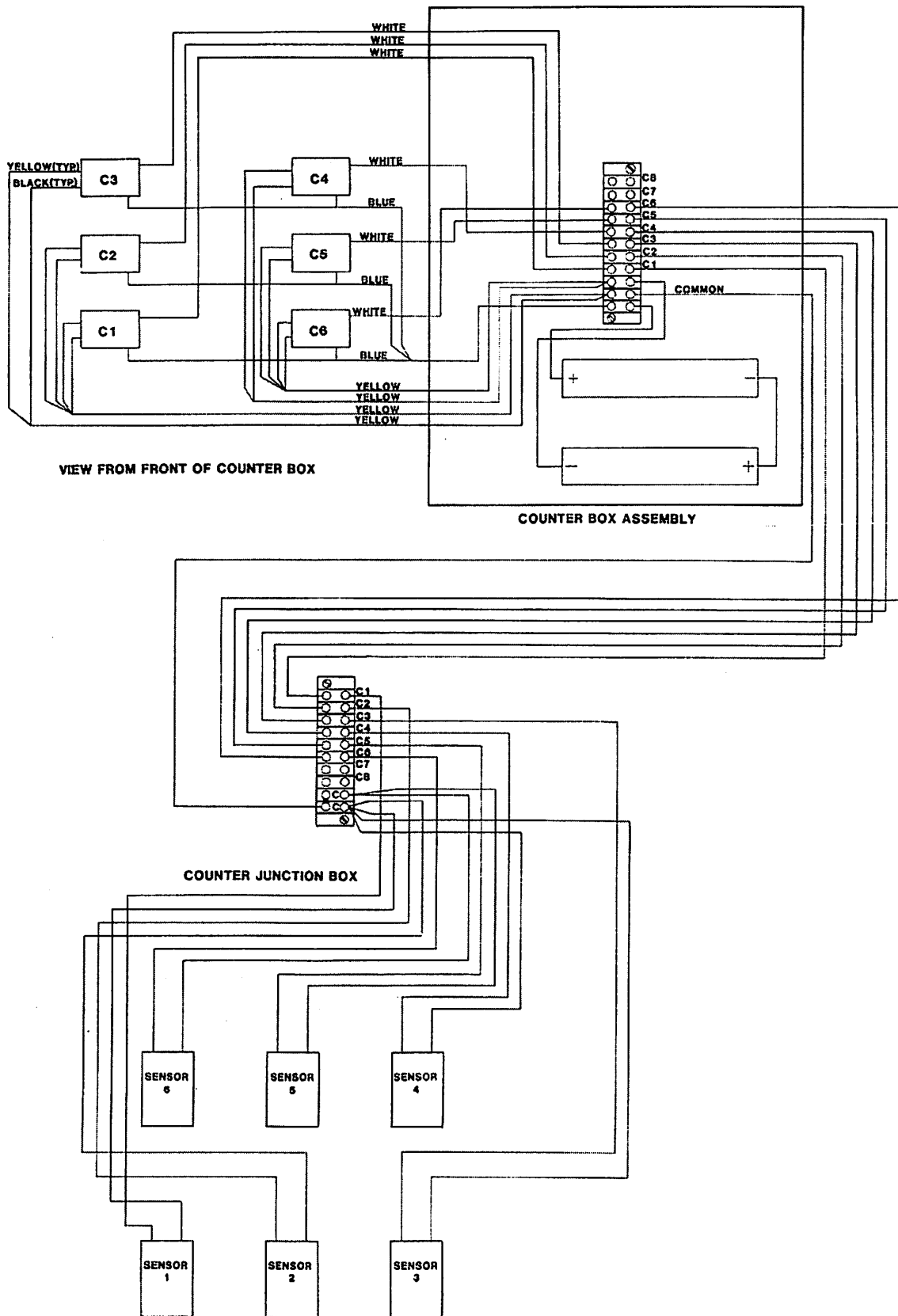
Collector Control Wiring Diagram



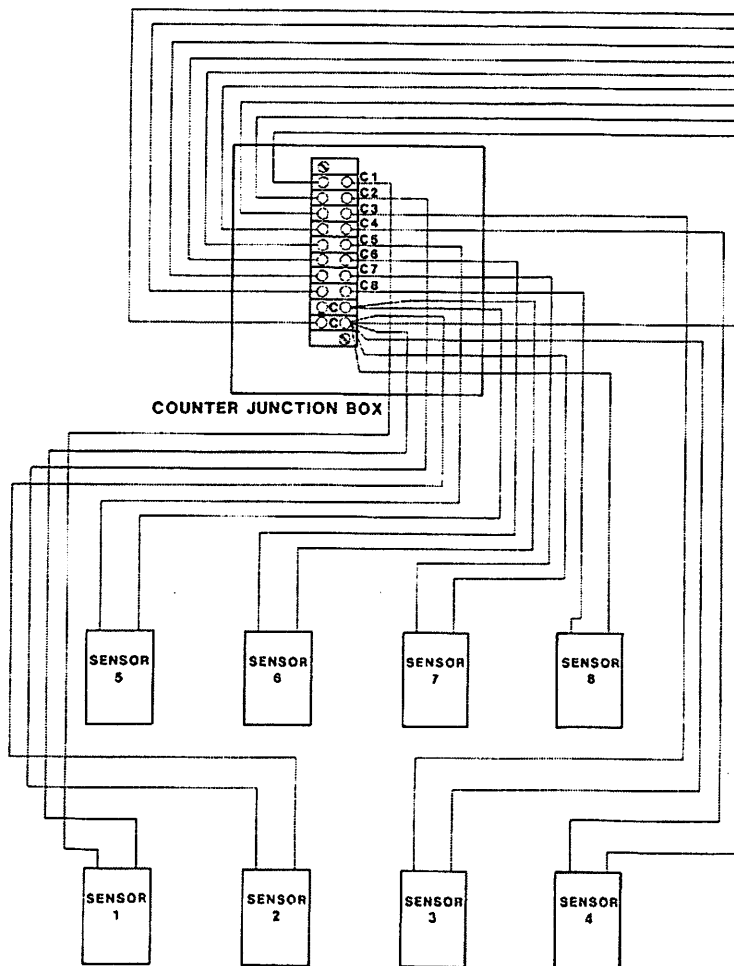
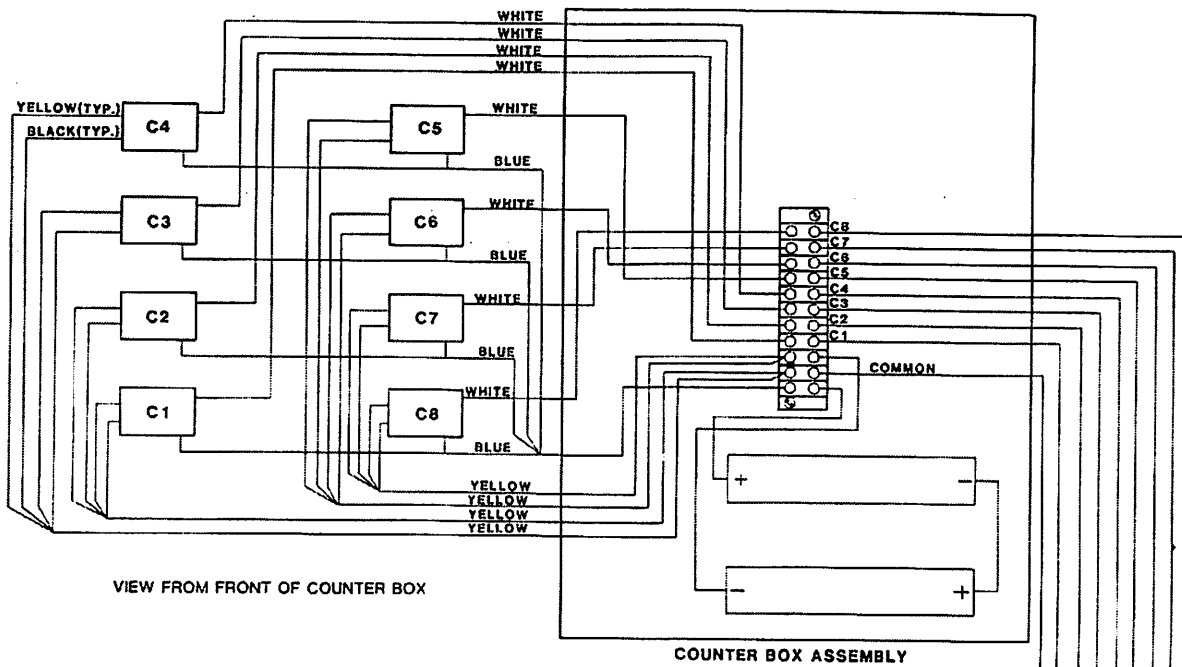
COLLECTOR CONTROL SCHEMATIC WIRING DIAGRAM



3-Hi Egg Counter Wiring Diagram



4-Hi Egg Counter Wiring Diagram



CHORE-TIME

SSS Egg Collector Parts List

3-Hi & 4-Hi with 2" or 4" Belts

TABLE OF CONTENTS

<u>TOPIC</u>	<u>PAGE NO.</u>
Collector Assembly Part Numbers	19
3-Hi and 4-Hi Collector Modules	20-21
Rear Return Assembly	22
24148-1 Rod Transfer Kit	22
14420-0 Egg Counter	23
Collector End Bracing Kit	23
Single Phase Egg Collector Control Unit	24
Three Phase Egg Collector Control Unit	24
3-Hi and 4-Hi Counter Box Assembly	25
3-Hi and 4-Hi Junction Box Assembly	26
Miscellaneous Components	27
3-Hi Egg Collector	28-33
3-Hi Rear Return Framing	34-35
4-Hi Egg Collector	36-41
4-Hi Rear Return Framing	42-43

ORDERING INFORMATION

1. All parts should be ordered by **PART NUMBER** and **DESCRIPTION** as given in the **PARTS LIST**.
2. Parts are always billed when shipped. If a returned part is defective, and within warranty period, credit will be allowed against billing.
3. **CHECK SHIPMENT FOR DAMAGES AND SHORTAGES.**
4. All claims for damages or shortages resulting from shipment must be filed with the carrier.

USE ONLY AUTHORIZED



REPLACEMENT PARTS.

Made to work.

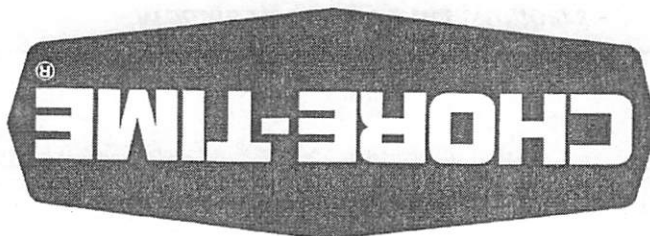
Built to last.

COLLECTOR ASSEMBLY PART NUMBERS

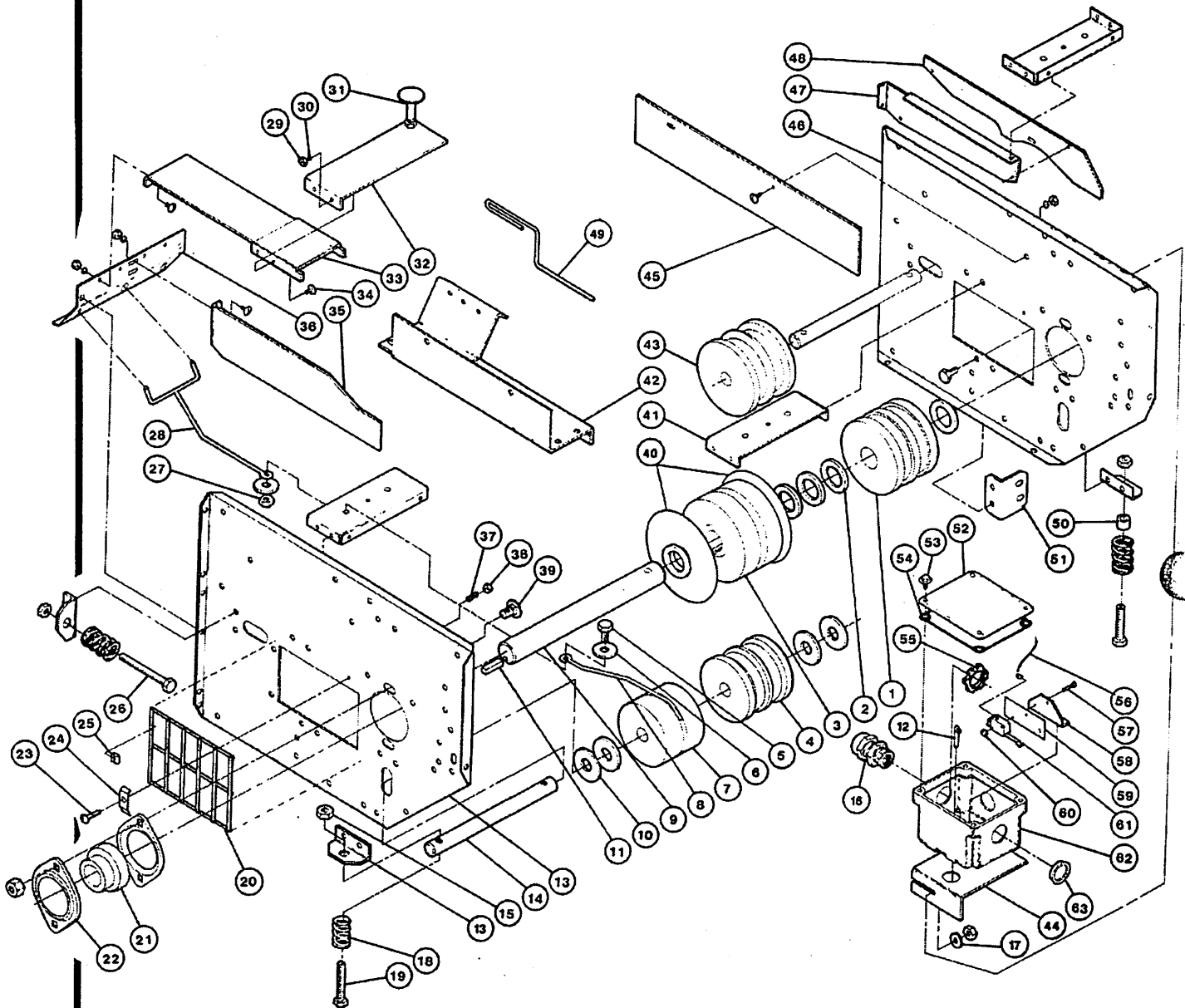
PART NUMBER	TIER	BELT	MOTOR	COUNTERS	SHAFTS
14630-1	3-HI	2"	1-Phase	w/o Counters	Steel Shafts
14630-2	3-HI	2"	1-Phase	w/o Counters	Steel Shafts
14630-3	3-HI	2"	3-Phase	w/o Counters	Steel Shafts
14630-4	3-HI	2"	3-Phase	w/ Counter	Steel Shafts
25100-1	3-HI	4"	1-Phase	w/o Counters	Steel Shafts
25100-2	3-HI	4"	1-Phase	w/ Counters	Steel Shafts
25100-3	3-HI	4"	3-Phase	w/o Counters	Steel Shafts
25100-4	3-HI	4"	3-Phase	w/o Counters	Steel Shafts
25100-5	3-HI	4"	3-Phase	w/ Counters	Steel Shafts
25100-6	3-HI	4"	1-Phase	w/o Counters	Stainless Steel Shafts
25100-7	3-HI	4"	1-Phase	w/ Counters	Stainless Steel Shafts
25100-8	3-HI	4"	3-Phase	w/ Counters	Stainless Steel Shafts
23700-1	4-HI	2"	1-Phase	w/o Counters	Steel Shafts
23700-2)	4-HI	2"	1-Phase	w/o Counters	Steel Shafts
23700-3	4-HI	2"	3-Phase	w/o Counters	Steel Shafts
23700-4	4-HI	2"	3-Phase	w/ Counters	Steel Shafts
24400-1	4-HI	4"	1-Phase	w/o Counters	Steel Shafts
24400-2	4-HI	4"	1-Phase	w/ Counters	Steel Shafts
24400-3	4-HI	4"	3-Phase	w/o Counters	Steel Shafts
24400-4	4-HI	4"	3-Phase	w/o Counters	Steel Shafts
24400-5	4-HI	4"	1-Phase	w/ Counters	Stainless Steel Shafts
24400-6	4-HI	4"	1-Phase	w/o Counters	Stainless Steel Shafts
24400-7	4-HI	4"	3-Phase	w/ Counters	Stainless Steel Shafts
24400-8	4-HI	4"	3-Phase	w/ Counters	Stainless Steel Shafts

The Collectors listed above may be ordered without the motors supplied, by adding the suffix "LM" to the part number. Example: 14630-1LM SSS 3-HI Egg Collector without Motor.

Note: The Collector will be wired for whichever phase is specified by the part number ordered.



3-Hi and 4-Hi Egg Collector Modules

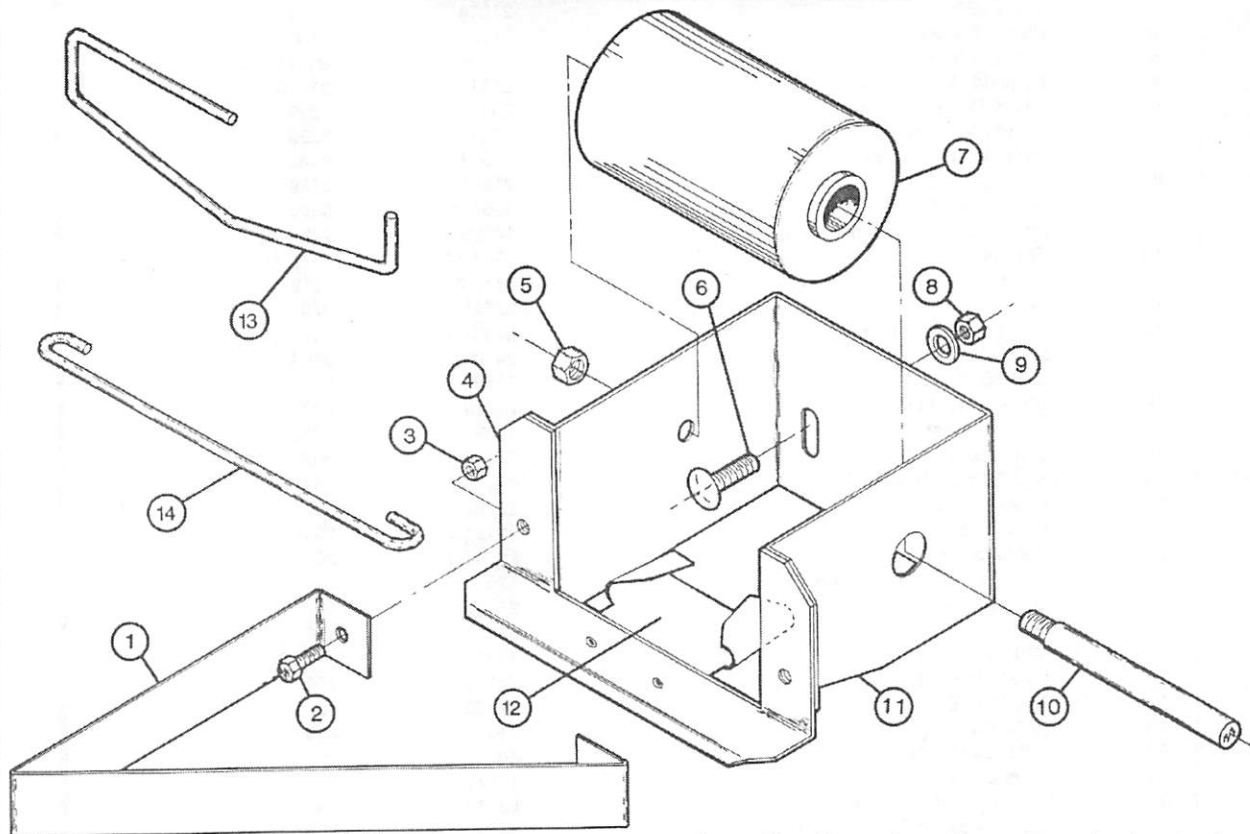


- Module Assembly Part Numbers -

Collector Module Specifications	Left Hand Module	Right Hand Module
3-Hi or 4-Hi, 2" Belt, Solid Steel Shafts	23750-1	23750-2
3-Hi or 4-Hi, 2" Belt, Stainless Steel Shafts	N.A.	N.A.
3-Hi or 4-Hi, 4" Belt, Solid Steel Shafts	9369-1	9369-2
3-Hi or 4-Hi, 4" Belt, Stainless Steel Shafts	9369-3	9369-4

Item	Description	2 inch → Part No.	Part No. ← 4 inch
1	Idler Roller	21014	21014
2	Plastic Spacer	21067	21067
3	Pyramid Drive Roller	21026	20014
4	Pyramid Guide Roller	21016	21016
5	1/4-20 Hex Hd Screw	2029	2029
6	1/4 Flat Washer	3239	3239
7	Pyramid Snub Roller	21017	9542
8	SBC Front Wire	21391	21391
9	Module Shaft	9365-2	9365-1
	Module Shaft (Stainless Steel)	14386-1	14386-2
10	Washer	2955-11	2955-11
11	1/4" Key	2419-3	2419-3
12	Pin	8757	8757
13	Side Panel Assembly	24907-1	24907-1
14	Module Idler Shaft	24703	9364
15	5/16-18 Hex Nut	2145	2145
16	1/2" Watertight Connector	23779	23779
17	1/4" Flat Washer	1258	1258
18	Compression Spring	20368	20368
19	5/16-18 x 3/4 Hex Hd Screw	4412-3	4412-3
20	Access Gate	23781	23781
21	1" Bearing	20191-2	20191-2
22	Flangette Bearing	20191-1	20191-1
23	1/4-20 x 1-1/8 Hex Hd Screw	129	129
24	Access Gate Latch	23795	23795
25	Spring Clip	6967	6967
26	5/16-18 x 3-1/2 Hex Hd Screw	4412-6	4412-6
27	1/4-20 Hex Nut	751	751
28	SBC Wire Bottom	21263	9371
29	10-24 Hex Nut	313	313
30	#10 Lockwasher	305	305
31	Elevator Bolt	14123-1	14123-1
32	S.B.C. Actuator Assembly (L.H.)	23780-1	9547-1
	S.B.C. Actuator Assembly (R.H.)	23780-2	9547-2
33	Top Weldment	23754	9368
34	10-24 x 3/8 Truss Hd Screw	501	501
35	Slack Belt Side (L.H.)	23711-1	23711-1
	Slack Belt Side (R.H.)	23711-2	23711-2
36	Slack Belt Back	23709	9366
37	Compression Spring	5534	5534
38	10-24 Locknut	1560	1560
39	5/16-18 x 3/4 Carriage Bolt	20125	20125
40	Round Belt Guide	25474	25474
41	Module Plate	24948	24959
42	Entrance Tray Weldment (L.H.)	23716-1	9367-1
	Entrance Tray Weldment (R.H.)	23716-2	9367-2
43	Adjusting Roller	21015	21015
44	3/16 x 3/8 Pop Rivet	2569	2569
45	Module Liner	23812	23812
46	Side Panel Assembly	24907-2	24907-2
47	Entrance Tray Sweep Assembly (L.H.)	21157-1	14425-1
	Entrance Tray Sweep Assembly (R.H.)	21157-2	14425-2
48	Plastic Edge Guard	21037	14527
49	Egg Retainer	N/A	24043
50	Spacer	21285	21285
51	Cross Brace Connector	23725	23725
52	Switch Box Cover	6776	6776
53	10-24 Twin Helix Screw	6980	6980
54	Gasket	6777	6777
55	1/2" Conduit Locknut	3357	3357
56	Hook-Up Wire	2243-66	2243-66
57	#4-40 x 5/8 Pan Hd Screw	3510	3510
58	Switch Bracket	23774	23774
59	Switch Insulation	1907-6	1907-6
60	4-40 Hex Nut	3511	3511
61	Actuator Switch	4692	4692
62	Switch Box	23793	23793
63	1/2" NPT Hole Plug	23791	23791
64	Switch Box Mount (L.H.)	23775-1	23775-1
	Switch Box Mount (R.H.)	23775-2	23775-2

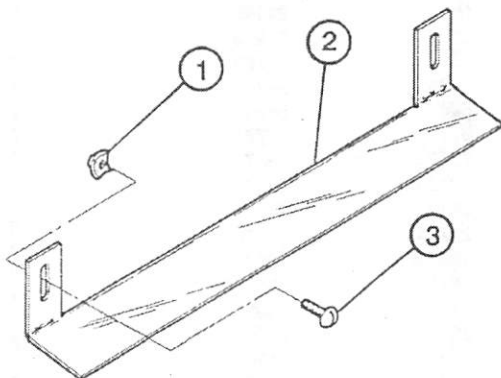
Rear Return Assembly



Item	Description	2"	4"
		Part No.	Part No.
1	Rear Return Belt Scraper	20213	20213
2	1/4-20 x 1/2 Hex Hd Screw	1487	1487
3	1/4-20 Nut	751	751
4	Rear Return Front Plate	20215	20215
5	3/8-16 Hex Nut	1549	1549
6	5/16-18 x 3/4 Carriage Bolt	20125	20125
7	Rear Return Roller	20761	20761
8	5/16-18 Hex Nut	2145	2145
9	5/16 Flat Washer	2230	2230
10	Rear Return Shaft	20214	20214
11	Rear Return Frame	20216	20216
12	Belt Guide	21091	9363
13	Egg Tray Brace	15023	—
14	Idler End Belt Guide	—	20097

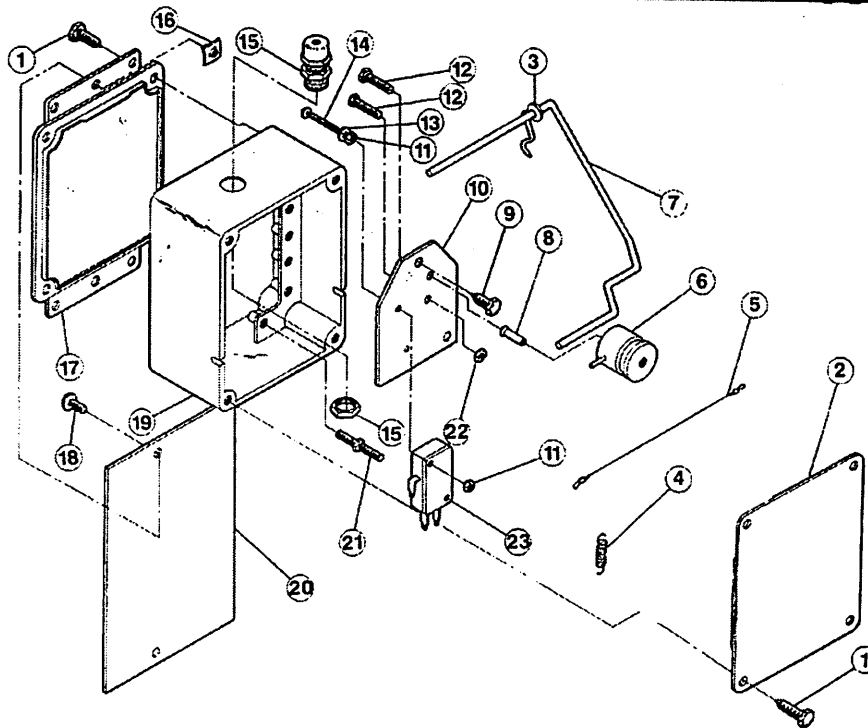
The 2" Rear Return Assembly may be ordered under the following numbers: 20217-1 L.H. 20217-2 R.H.

The 4" Rear Return Assembly may be ordered under the following numbers: 21106-1 L.H. 21106-2 R.H.



24148-1 Rod Transfer Kit

Item	Description	Part No.
1	10-24 Stamped Nut	135
2	Rod Transfer	14538-1
3	10-24 x 1/2 Truss Head Screw	1795

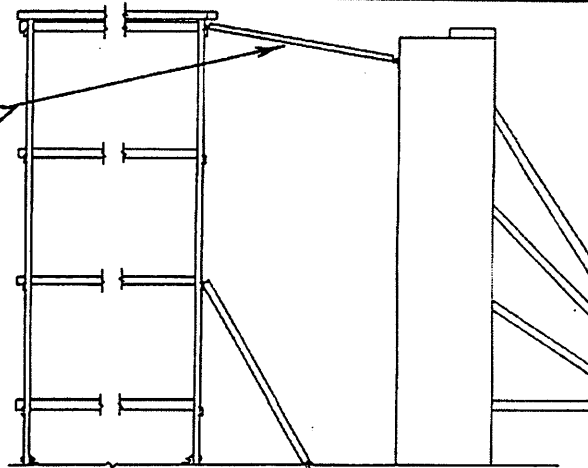
14420-0 Egg Counter

Item	Description	Part No.
1	#10 Twin Helix Screw	6980
2	Switch Box Cover	6776
3	Spacer	14415
4	Extension Spring	14418
5	String Assembly	14581
6	Sliding Roll Assembly	13637
7	Sensor Arm Weldment (L.H.)	14417-1
	Sensor Arm Weldment (R.H.)	14417-2
8	10-32 Blind Rivet Nut	4587
9	#12 x 1/2 Sheet Metal Screw	6727
10	Mounting Plate	13627
11	6-32 Nut	771
12	10-32 x 1" Screw	4418-1
13	Washer	2955-7
14	6-32 x 7/8 Screw	1921

Item	Description	Part No.
15	Liquid Tight Connector	2955-7
16	Stamped Nut	13477
17	Mounting Cover	6956
18	10-24 x 5/8 Truss Head Screw	501A
19	Counter Box (L.H.)	13640-1
	Counter Box (R.H.)	13640-2
20	Sensor Bracket	14795
21	10-32 Stud	7007
22	10-32 Nut	4297
23	Switch	13706

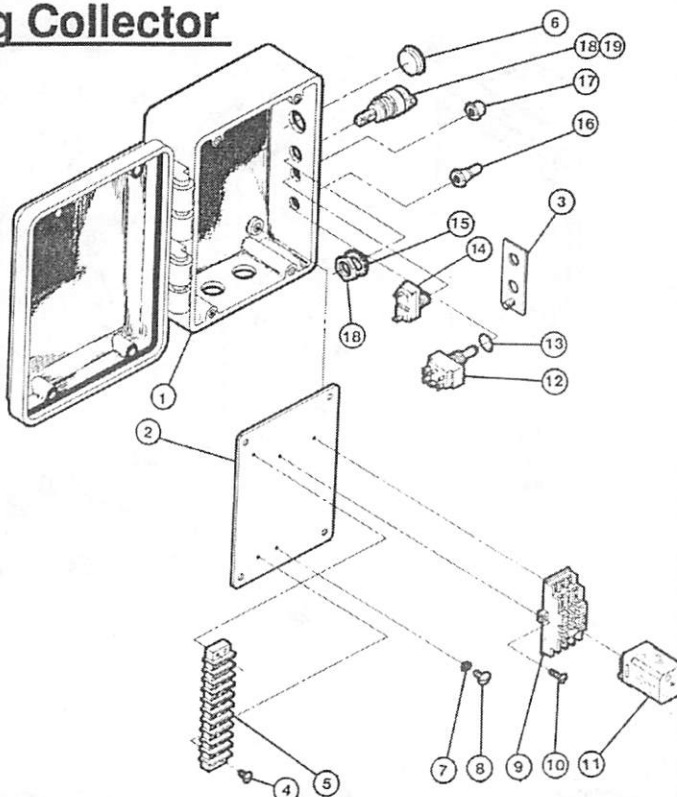
The complete left hand Egg Counter Assembly may be ordered under part number 14420-1.

The complete right hand Egg Counter Assembly may be ordered under part number 14420-2.

23837 Collector End Bracing Kit**14620 Collector End Bracing Kit for SSS3 Curtain-Back Ultraflo Systems ONLY.**

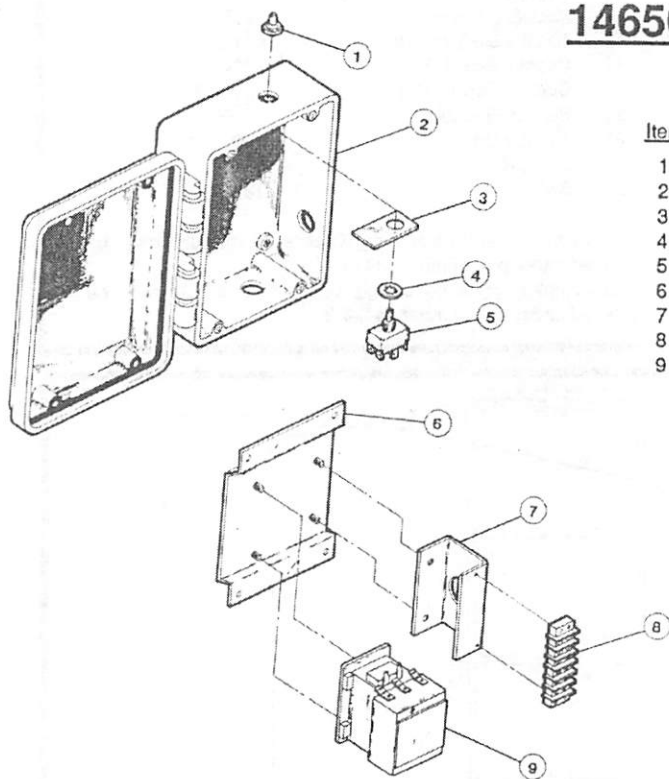
23722 Single Phase Egg Collector Control Unit

Item	Description	Part No.
1	Control Box	23719
2	Component Board	23720
3	Grounding Plate	24415
4	8-32 Rd. Hd. Machine Screw	4120-3
5	Terminal Block	7347
6	1/2" NPT Hole Plug	23791
7	External Washer	305
8	10-32 x 1/2 Blind Hd. M.S.	4303-4
9	Relay Socket	20480
10	6-32 x 3/8 Rd. Hd. M.S.	4402-4
11	Control Relay	20479
12	Toggle Switch	20135
13	15/32 Lockwasher	5773
14	Momentary Switch	5785
15	5/8" External Lock Washer	5761
16	Toggle Switch Boot	1739
17	Push Button Boot	20784
18	Panel Fuse Holder	7932
19	Slow Blow Fuse	20472

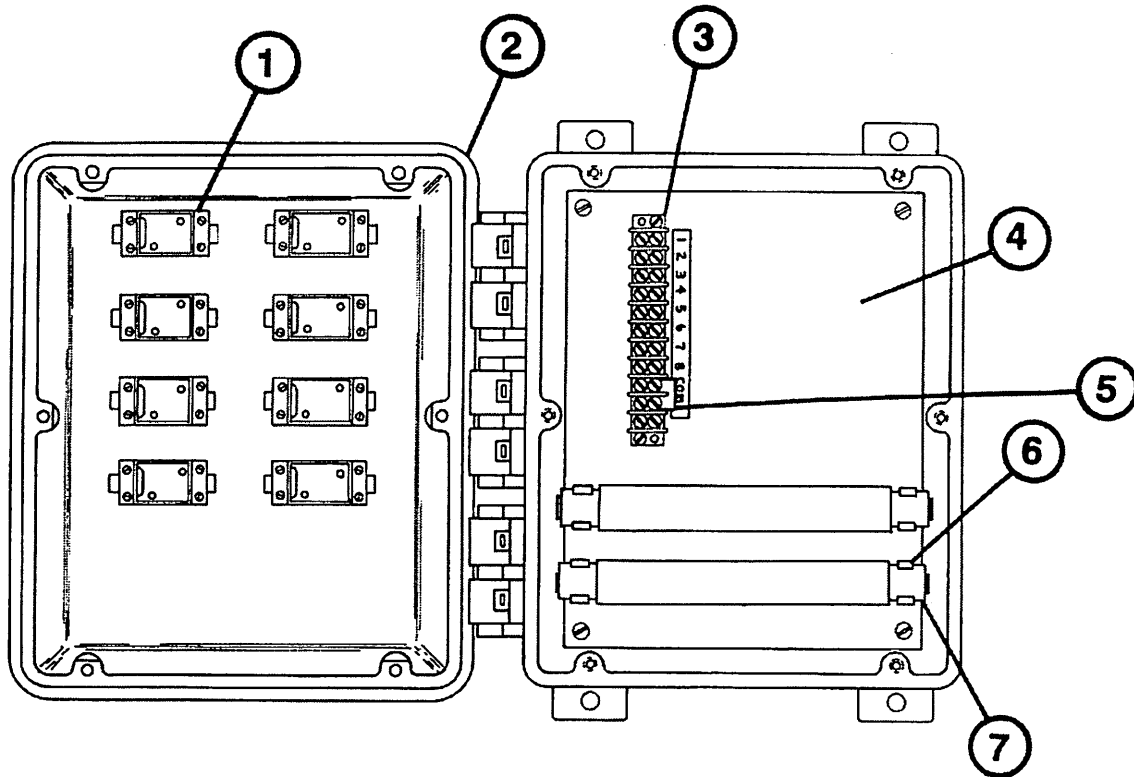


14650 3-Phase Egg Collector Control Unit

Item	Description	Part No.
1	Toggle Switch Boot	1739
2	Box	14392
3	Grounding Plate Assembly	14629
4	1/2" Internal Lockwasher	5760
5	Toggle Switch	14385
6	Mounting Plate Support	14391
7	Terminal Bracket	14383
8	Terminal Block	7270
9	Contactor	20837



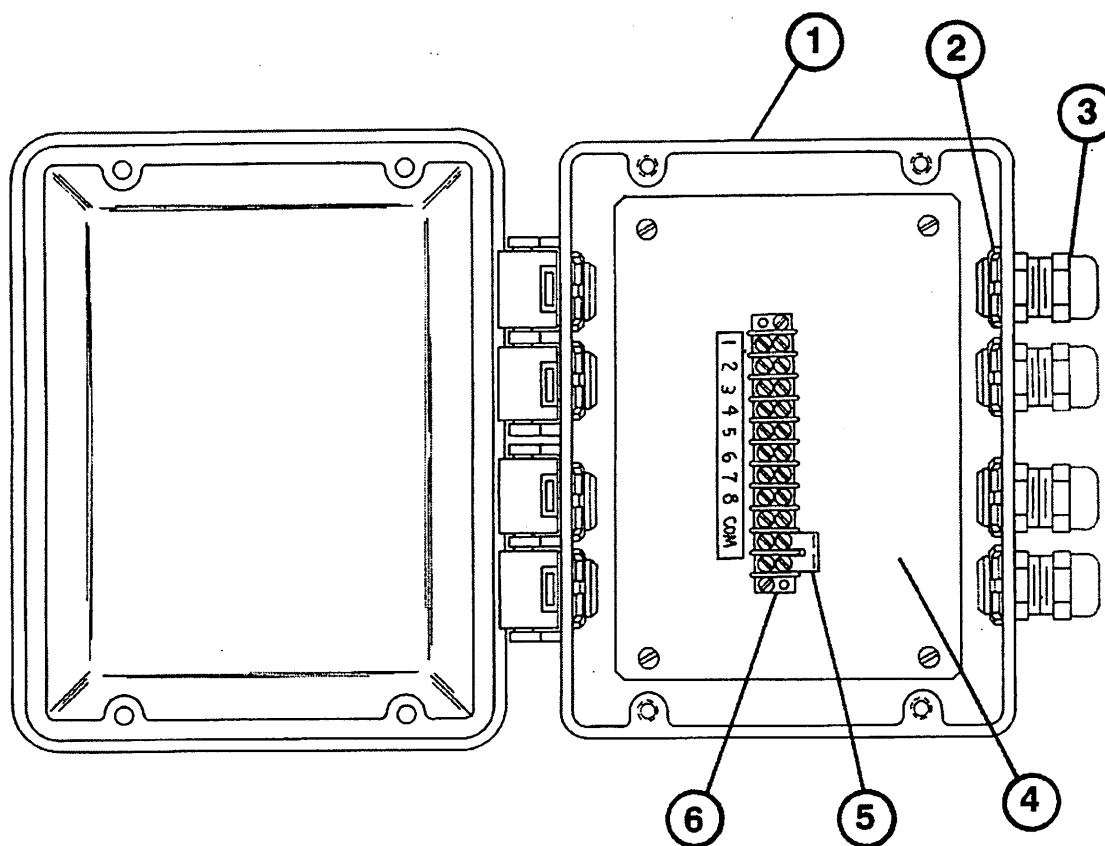
14562 3-Hi Counter Box Assembly **13628 4-Hi Counter Box Assembly**



<u>Item</u>	<u>Description</u>	<u>3-Hi Part No.</u>	<u>4-Hi Part No.</u>
1	Counter	13965	13965
2	Box and Cover	14561	13738
3	Terminal Block	7347	7347
4	Mounting Plate	13680	13680
5	Jumper	7349	7349
6	Battery Holder Assembly	13964	13964
7	Battery	13773	13773

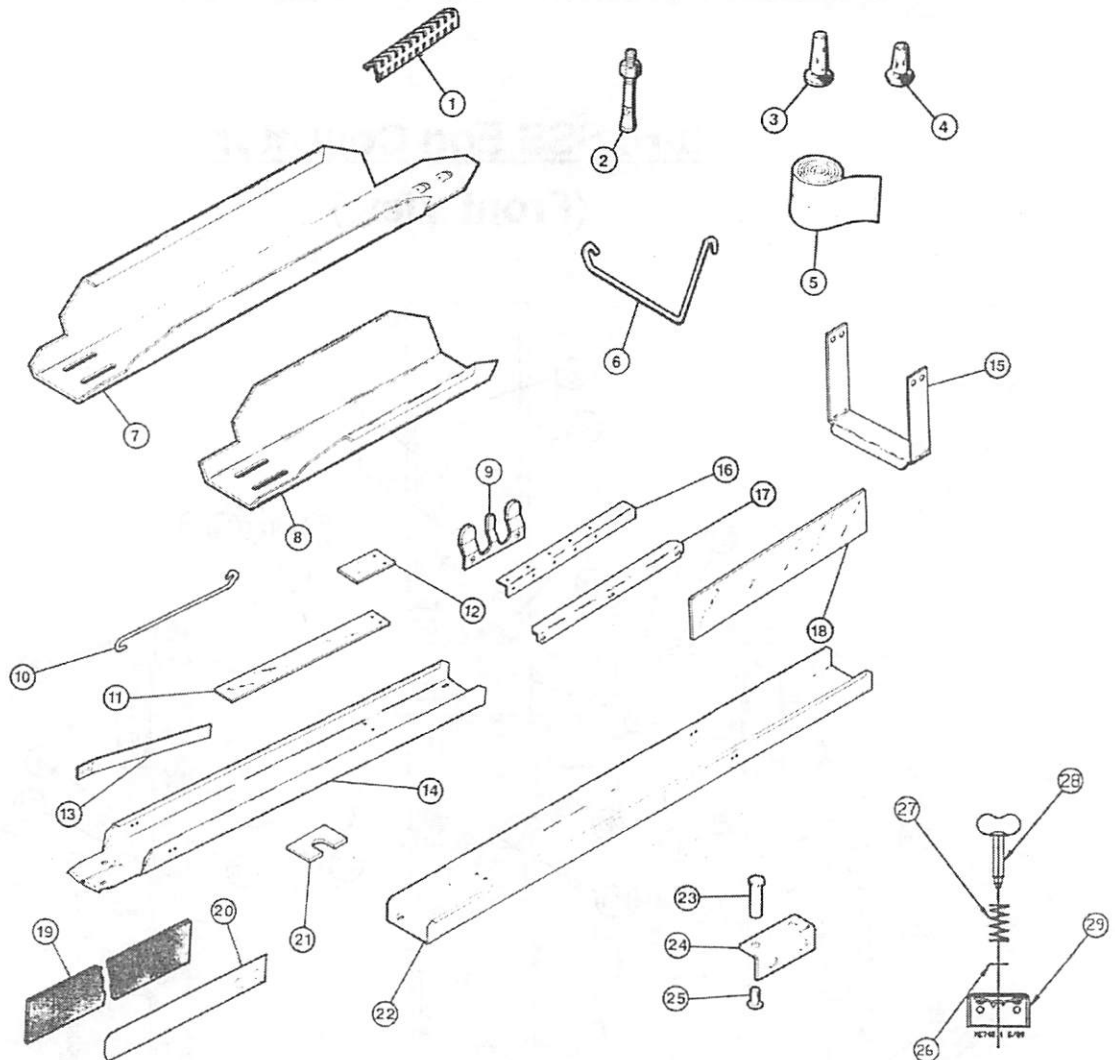
14577 3-Hi Junction Box Assembly

13973 4-Hi Junction Box Assembly



<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Junction Box	13971
2	1/2" Conduit Locknut	3357
3	1/2" Liquid Tight Connector	23779
4	Component Board	23720
5	Jumper	7349
6	Terminal Block	7347

MISCELLANEOUS COMPONENTS



Item	Description	2" Part No.	4" Part No.	Item	Description	2" Part No.	4" Part No.
1	12" Belt Lacing	20202	20202	17	Sweep Cross Brace		
2*	1/2" x 4-1/2" Wedge Anchor	21176	21176		3-Hi Collectors	9886	9886
3	Long Cleat	21359	21359		4-Hi Collectors	23841	23841
4	Short Cleat	21358	21358	18	Plastic Egg Sweep	20110-1	20110-1
5	Egg Belt	21107-0	20133-0	19	Foam Tape	20839	20839
6	Belt Return Clip	20149	20149	20	Egg Guide	14156	14156
7	Egg Tray	13414	N.A.	21	Mounting Shim	21021	21021
8	Egg Tray Extension (26")	13416	N.A.	22	Egg Tray Extension	N.A.	24133
	Egg Tray Extension (36")	13417	N.A.	23§	Stand-Off	21112	21112
	Egg Tray Extension (46")	13418	N.A.	24§	Cover Bracket	23762	23762
9	Transition Piece	21051	21051	25§	#6-32 x 5/16" Screw	4402-3	4402-3
10	Tray Support Wire	N.A.	24329	26£	Split-Ring Retainer	25397	25397
11	Upper Belt Riser	N.A.	24044	27£	Spring	25409	25409
12	Lower Belt Riser	N.A.	24045	28£	1/4 Turn Wing Head Fastener	25407	25407
13	Stainless Steel Sweep	N.A.	14406	29£	Side Mount	25394	25394
14	End Egg Tray	N.A.	14455				
15	Return Belt Support	N.A.	24085				
16	Egg Sweep Brace	14426	14426				

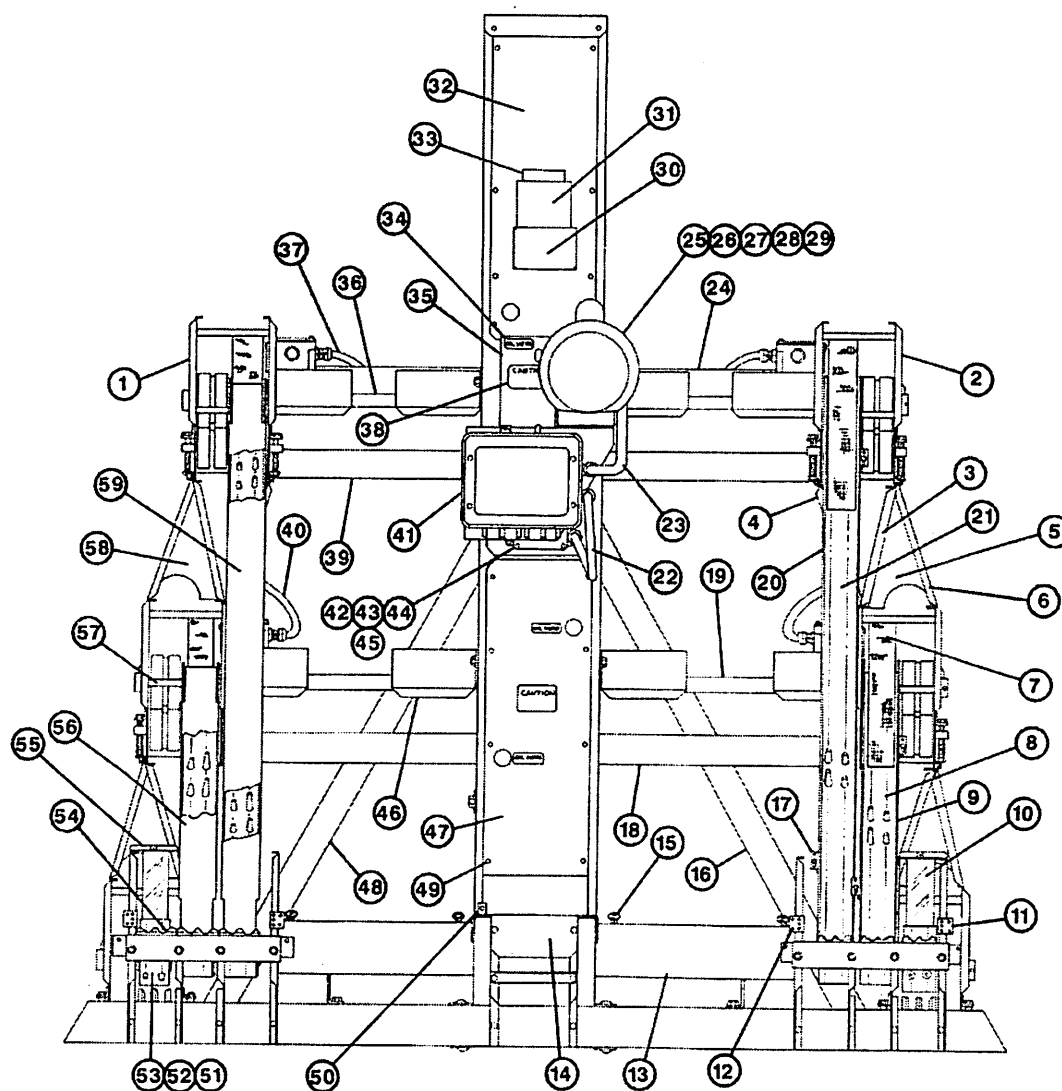
*Concrete Houses Only.

§Components of 14271-1 (L.H.) and 14271-2 (R.H.) Stand-Off Bracket Assembly. Used on bottom tier and I/T II only.

£Components used on I/T I and upper tiers only.

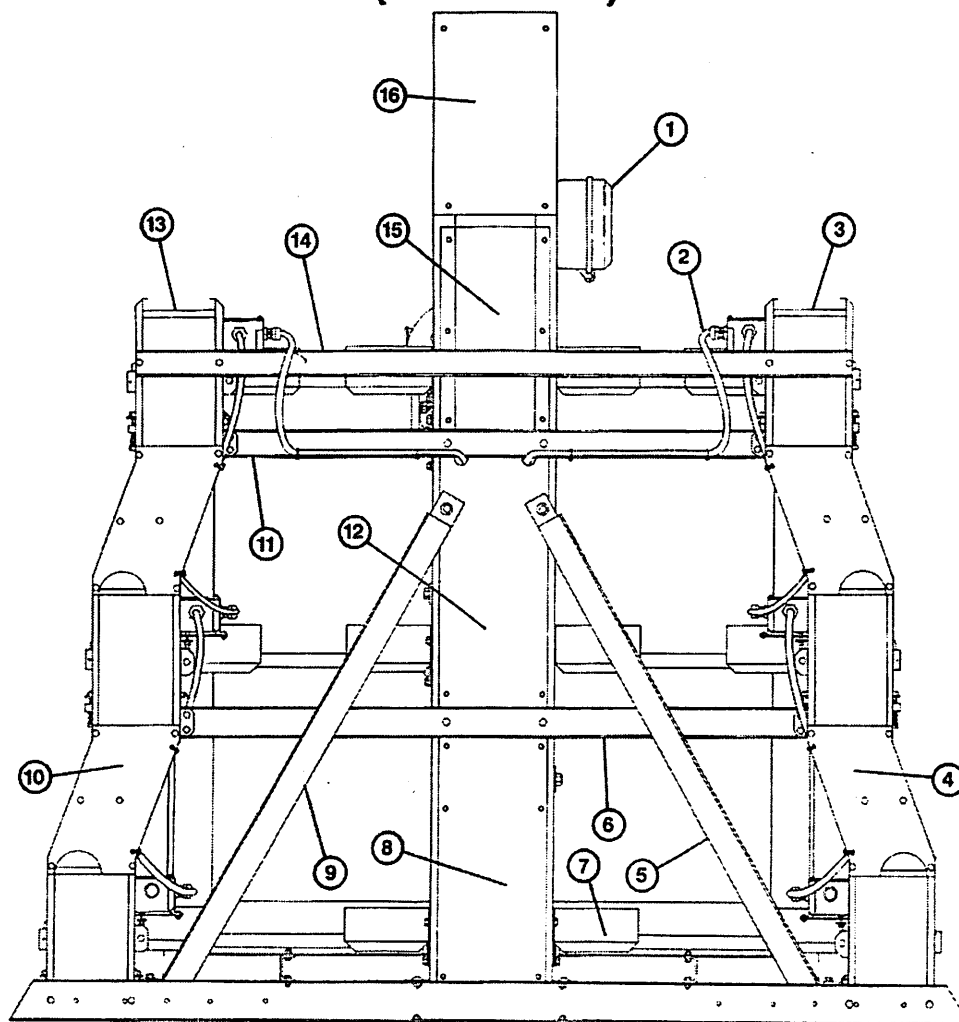
The Egg Belt is to be ordered in 25' increments from 400' to 1400'.
Example: For 550' of egg belt, order part number 21107-500.

3-Hi SSS Egg Collector **(Front View)**



Item	Description	2"	4"
		Part No.	Part No.
1	SSS Module Assembly (L.H.)		
	—Solid Steel Idler Shaft	23750-1	9369-1
	—S.S. Tube Idler Shaft	N.A.	9369-3
2	SSS Module Assembly (R.H.)		
	—Solid Steel Idler Shaft	23750-2	9369-2
	—S.S. Tube Idler Shaft	N.A.	9369-4
3	Module Brace (R.H.)	23765	24033-2
4	Module Support	23743	23743
5	Module Back Brace (R.H.)	23766-2	24034-2
6	Module Cover	23764	23764
7	Upper Egg Cushion	8850	8850
8	Escalator Belt Assembly	21057-6	21057-6
9	Inner Tier II Egg Chute	24366	24366
10	Egg Cushion	14809	14809
11	Inner Lower Chute Side	9807	9807
12	Outer Lower Chute Side	9808	9808
13	Connector Cover	9995	9995
14	Escalator Drive Cover	23746	23746
15	1/4-20 Thumb Screw	3720	3720
16	Housing Back Brace	9891-2	9891-2
17	Stand-Off Bracket Ass'y (L.H.)	14271-1	14271-1
	Stand-Off Bracket Ass'y (R.H.)	14271-2	14271-2
	Side Mount (I/T 1 only)	25394	25394
18	Cross Brace	23718	23718
19	Connecting Shaft	21049-22	21049-22
20	Inner Tier I Egg Chute	25516	25516
21	Escalator Belt Assembly	21057-7	21057-7
22	Conduit Assembly	25082	25082
23	Conduit Assembly (single phase)	23821	23821
	Conduit Assembly (three phase)	14654	14654
24	Top Back Brace	23811	23811
25	Motor (single phase)	20466	20466
	Motor (three phase)	14110	14110
26	Speed Reducer	20235	20235
27	14 Tooth, 1" Bore Sprocket	20390	20390
28	Drive Chain	21045-12	21045-12
29	Connecting Link	20017	20017
30	Identification Plate	20231	20231
31	Patent Manufacturer Decal	2528-2	2528-2
32	Upper Housing Cover	23742	23742
33	Patent Applied for Decal	2528-1	2528-2
34	Oil Here Decal	20250-1	20250-1
35	Drive Cover Weldment	23734	23734
36	Connecting Shaft	21049-6	21049-6
37	Cord Assembly	4999-48	4999-48
38	Caution Decal	2527-10	2527-10
39	Top Cross Brace	23724	23724
40	Cord Assembly	23000-15	23000-15
41	Control Unit (single phase)	23722	23722
	Control Unit (three phase)	14650	14650
42	Junction Box Assembly	14042	14042
43	Switch Box Cover	6776	6776
44	Gasket	6777	6777
45	Twin Helix Screw	6980	6980
46	Connector Cover	23773	23773
47	Housing Cover Weldment	23741	23741
48	Housing Back Brace (L.H.)	9891-1	9891-1
49	#8 x 3/8 Hex Wash. Hd. Screw	13019	13019
50	Sweep Brace	13952	13952
51	Bottom Tier Egg Chute	24364	24364
52	Escalator Belt Assembly	21057-5	21057-5
53	Egg Chute Cover (bottom tier)	24374	24374
54	Transition Piece	21051	21051
55	Lower Brace	14783	14783
56	Egg Chute Cover (I/T II)	24376	24376
57	Module Chute Spacer	23726	23726
58	Module Back Brace (L.H.)	23766-1	24034-1
59	Egg Chute Cover (I/T I)	24375	24375

3 Hi SSS Egg Collector (Back View)

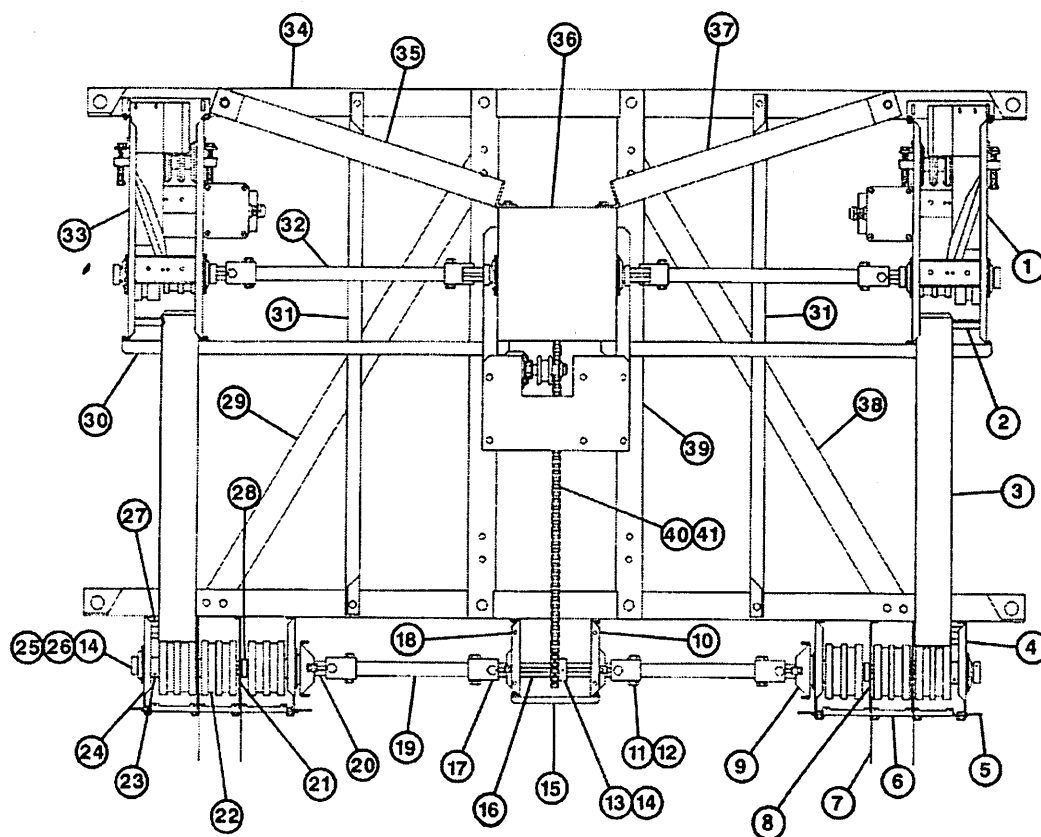


Item	Description	2"	4"
		Part No.	Part No.
1	Junction Box Assembly	14577	14577
2	Cord Assembly	4999-48	4999-48
3	SSS Module Assembly (L.H.)		
	--Solid Steel Idler Shaft	23750-1	9369-1
	--S.S. Tube Idler Shaft	N.A.	9369-3
4	Module Back Brace (L.H.)	23766-1	24034-1
5	Housing Back Brace (L.H.)	9891-1	24145-1
6	Cross Brace	23718	23718
7	Connector Cover	23773	23773
8	Bottom Cover	25081	25081
9	Housing Back Brace (R.H.)	9891-2	24145-2
10	Module Back Brace	23766-2	24034-2
11	Top Cross Brace	23724	23724
12	Lower Cover	25080	25080
13	SSS Module Assembly (R.H.)		
	--Solid Steel Idler Shaft	23750-2	9369-2
	--S.S. Tube Idler Shaft	N.A.	9369-4
14	Top Back Brace	23811	23811
15	Sprocket Cover	25076	25076
16	Top Cover	25077	25077

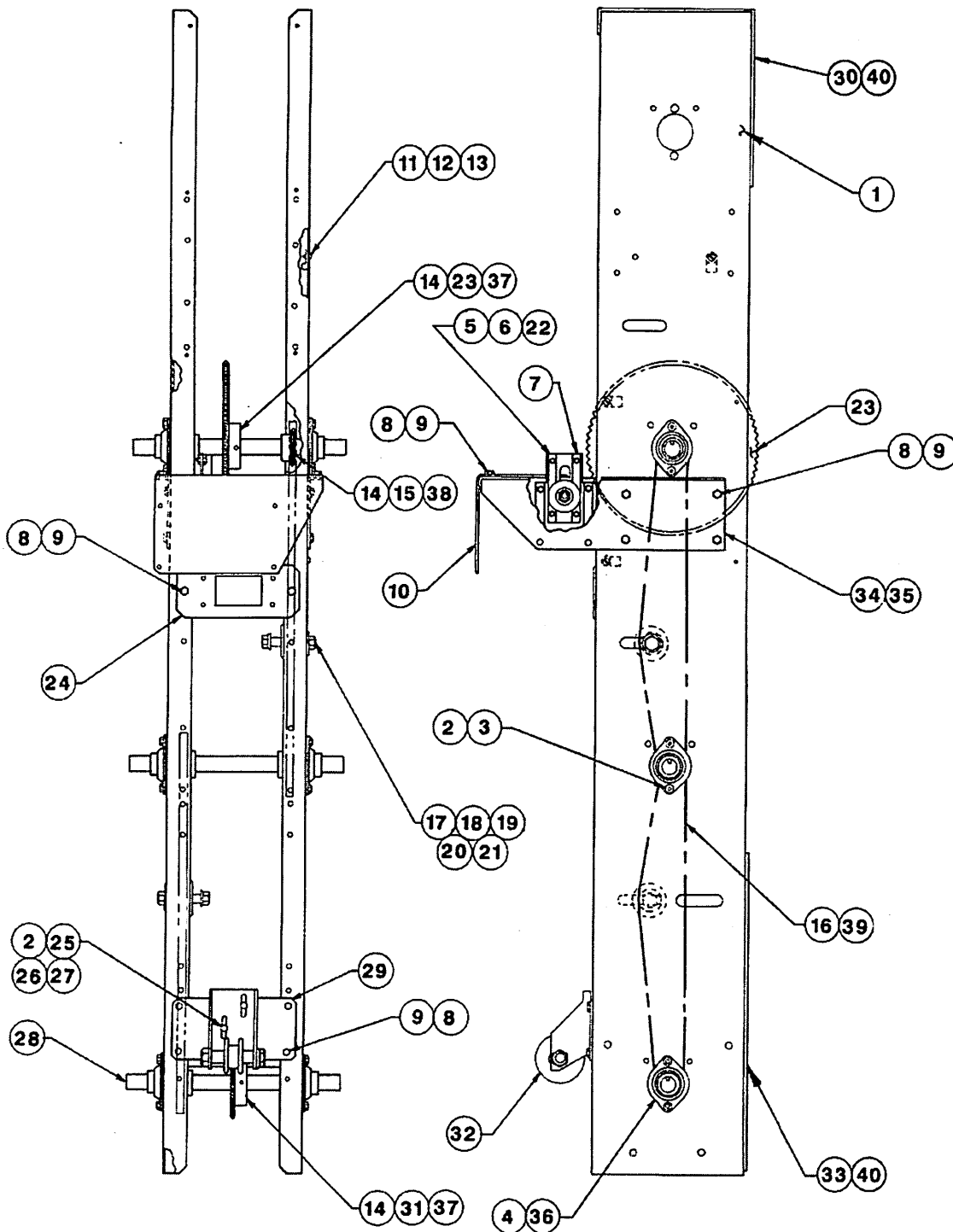
3-Hi SSS Egg Collector

(Top View)

Item	Description	2" Part No.	4" Part No.	Item	Description	2" Part No.	4" Part No.
1	SSS Module Assembly (R.H.)			22	Drive Roller	21028	21028
	—Solid Steel Idler Shaft	23750-2	9369-2	23	1" Set Collar	5759	5759
	—S.S. Tube Idler Shaft	N.A.	9369-4	24	Outer Side Panel (L.H.)	23806-1	23806-1
2	Module Chute Spacer	23726	14043	25	Bearing	20191-2	20191-2
3	Bottom Tier Egg Chute	24364	24364	26	1" Flangette	20191-1	20191-1
4	Outer Side Panel (R.H.)	23806-2	23806-2	27	Inside Chute Spacer	23727	23727
5	Transition Spacer	9887	9887	28	Drive Roller Spacer	23729	23729
6	Transition Holder	9890	9890	29	Main Angle Brace (L.H.)	9892-1	9892-1
7	Lower Egg Guide Assembly	14156	14156	30	Module Cross Brace	9889	25074
8	Lower Side Panel (R.H.)	23805-2	23805-2	31	Inner Cross Frame	23706	23706
9	Drive Cover Mounting Bracket	9989	9989	32	Connecting Shaft	21049-7	21049-7
10	Front Drive Side Panel (L.H.)	23732-1	23732-1	33	SSS Module Assembly (L.H.)		
11	3/8-16 x 2.00 Hex Hd. Bolt	20604	20604		—Solid Steel Idler Shaft	23750-1	9369-1
12	3/8-16 Hex Lock Nut	2183	2183		—S.S. Tube Idler Shaft	N.A.	9369-3
13	12-Tooth, 1" Bore Sprocket	20086	20086	34	Main Frame	24817	25072
14	1/4" Square Key	2419-3	2419-3	35	Housing Back Brace (L.H.)	9891-1	24145-2
15	Front Drive Angle Brace	23733	23733	36	Drive Housing Assembly	9895	9895
16	Front Drive Shaft	23767	23767	37	Housing Back Brace (R.H.)	9891-2	24145-2
17	1" Coupling	20269	20269	38	Main Angle Brace (R.H.)	9892-2	9892-2
18	Front Drive Side Panel (R.H.)	23732-2	23732-2	39	Cross Frame	24813	24813
19	Connecting Shaft	21049-10	21049-10	40	Drive Chain	21045-4	21045-4
20	Drive Shaft	20572-5	20572-5	41	Connecting Link	20017	20017
21	Lower Side Panel (L.H.)	23805-1	23805-1				



3-Hi SSS Drive Column **(Part No. 9895)**

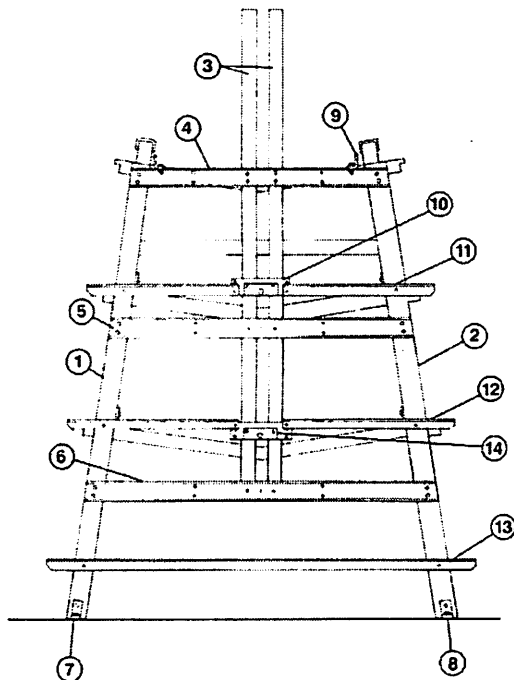


<u>Item</u>	<u>Description</u>	<u>Part No.</u>	<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Drive Housing Side	23786	21	Chain Idler Roller	20369
2	5/16-18 Hex Nut	2145	22	1/4" Lockwasher	1667
3	5/16-18 Carriage Bolt	20125	23	70 Tooth, 1" Bore Sprocket	14668
4	Bearing	20191-2	24	Junction Box Plate	23745
5	1/4-20 Hex Nut	751	25	5/16 Lock Washer	547
6	1/4-20 x 1/2" Fastener	1487	26	5/16 Flat Washer	2230
7	Idler Assembly	23840	27	5/16-18 x 3/4 Hx Hd. Screw	2046
8	5/16-18 Locknut	2148	28	Drive Housing Shaft	23702
9	5/16-18 x 5/8 Hx Hd Screw	4412-1	29	Escalator Idler Base	23736
10	Motor Base	23715	30	Top Cover	25077
11	10-24 Stamp Nut	135	31	28 Tooth, 1" Bore Sprocket	20201
12	10-24 Truss Hd Screw	1795	32	Idler Bracket Assembly	23728
13	Cable Clip	565	33	Bottom Cover	25081
14	1/4" Square Key	2419-3	34	Motor Bracket (L.H.)	23707-1
15	14 Tooth, 1" Bore Sprocket	20390	35	Motor Bracket (R.H.)	23707-2
16	Roller Chain	21045-9	36	Flangette	20191-1
17	5/8-11 Flange Hex Nut	5762	37	5/16-18 x 3/8 Set Screw	2191
18	Idler Bushing	21239	38	1/4-20 Set Screw	13189
19	5/8 Flat Washer	1484	39	Connecting Link	20017
20	5/8-11 x 3 Hex Hd Bolt	5745-2	40	#8 x 3/8 Sheet Metal Screw	13019

Rear Return Framing for SSS Cages with Dropping Board Scrapers

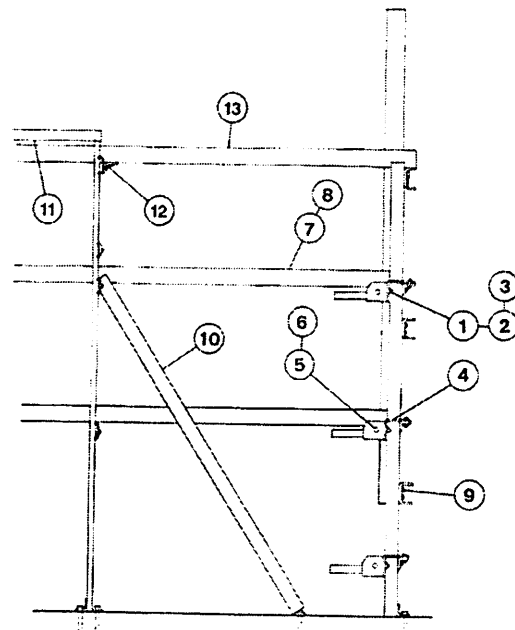
3-Hi

End View



<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Leg	14408-1
2	Leg	14408-2
3	Dual Support Column	14396
4	Top Cross	15332
5	Top Inter-Cross	15334
6	Bottom Inner-Cross	15333
7	End Base	15181-1
8	End Base	15181-2
9	Top Extension Angle Brace	15259
10	Rear Return Mounting Plate	23817
11	Rear Return Top Cross	23813
12	Rear Return Top-Inter Cross	23814
13	Rear Return Inter-Bottom Cross	14442
14	Adjusting Plate	15222

Side View

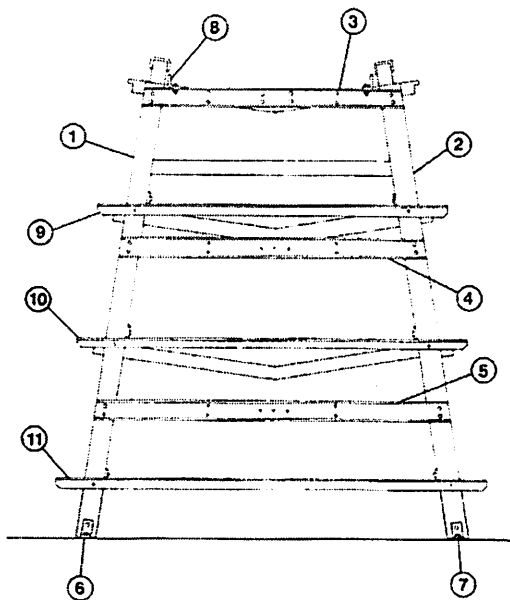


<u>Item</u>	<u>Description</u>	<u>2"</u> <u>Part No.</u>	<u>4"</u> <u>Part No.</u>
1	5/16-18 x 3/4" Carriage Bolt	20125	20125
2	5/16 Hex Nut	2145	2145
3	5/16 Flat Washer	546	546
4	Rear Return Extension	23818	23818
5	Rear Return Assembly (L.H.)	21106-1	20217-1
6	Rear Return Assembly (R.H.)	21106-2	20217-2
7	Dropping Board Extension / wood	15338	15338
8	Dropping Board Extension / metal	15340	15340
9	5/16-18 x 3/4 Hex Hd Cap Screw	2046	2046
10	End Brace Top	15249	15249
11	Top Angle Brace	15255	15255
12	Brace Angle Clip	21182	21182
13	Top Extension Angle Brace	15259	15259

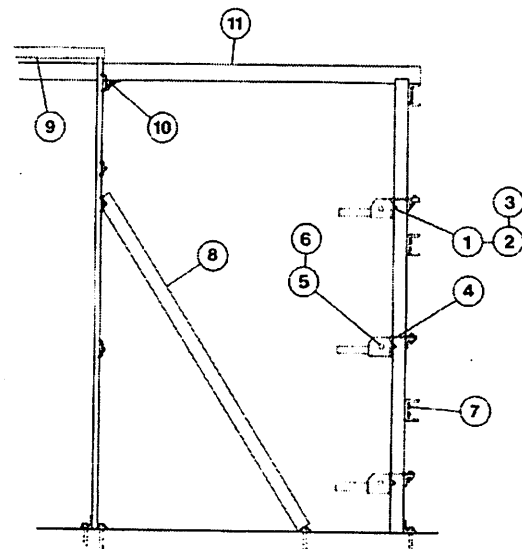
Rear Return Framing for SSS Curtain Back Cages with Ultraflo Feeders

3-Hi

End View



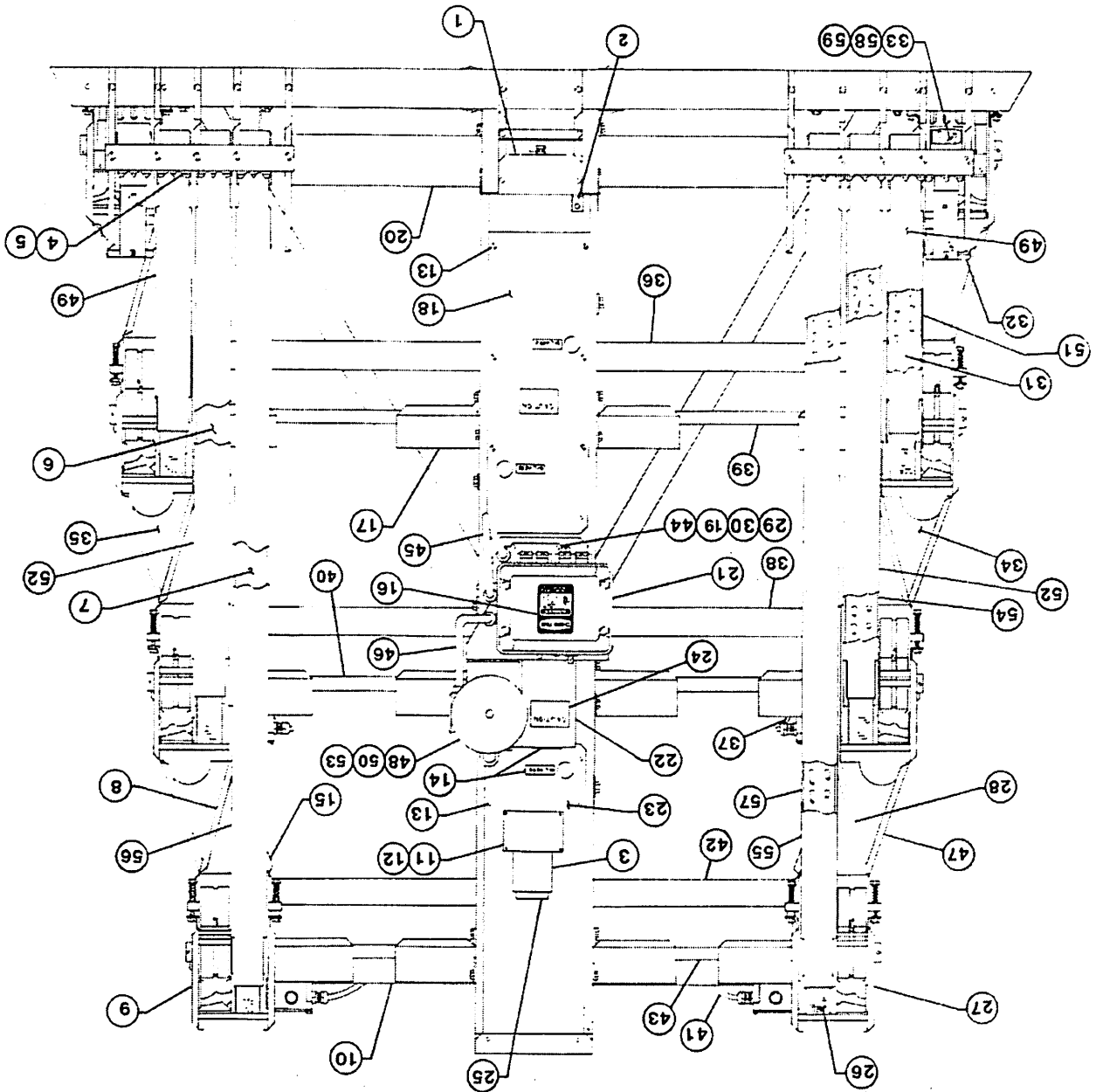
Side View



<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Leg	14408-1
2	Leg	14408-2
3	Top Cross	15332
4	Top-Inter Cross	15334
5	Bottom Inter Cross	15333
6	End Base	15181-1
7	End Base	15181-2
8	Top Extension Angle Brace	15259
9	Rear Return Top Cross	14440
10	Rear Return Top-Inter Cross	14441
11	Rear Return Inter-Bottom Cross	14442

<u>Item</u>	<u>Description</u>	<u>2"</u> <u>Part No.</u>	<u>4"</u> <u>Part No.</u>
1	5/16-18 x 3/4" Carriage Bolt	20125	20125
2	5/16 Hex Nut	2145	2145
3	5/16 Flat Washer	546	546
4	Rear Return Extension	23818	23818
5	Rear Return Assembly (L.H.)	21106-1	20217-1
6	Rear Return Assembly (R.H.)	21106-2	20217-2
7	5/16-18 x 3/4" Hx Hd Cap Screw	2046	2046
8	End Brace Top	15249	15249
9	Top Angle Brace	15255	15255
10	Brace Angle Clip	21182	21182
11	Top Extension Angle Brace	15259	15259

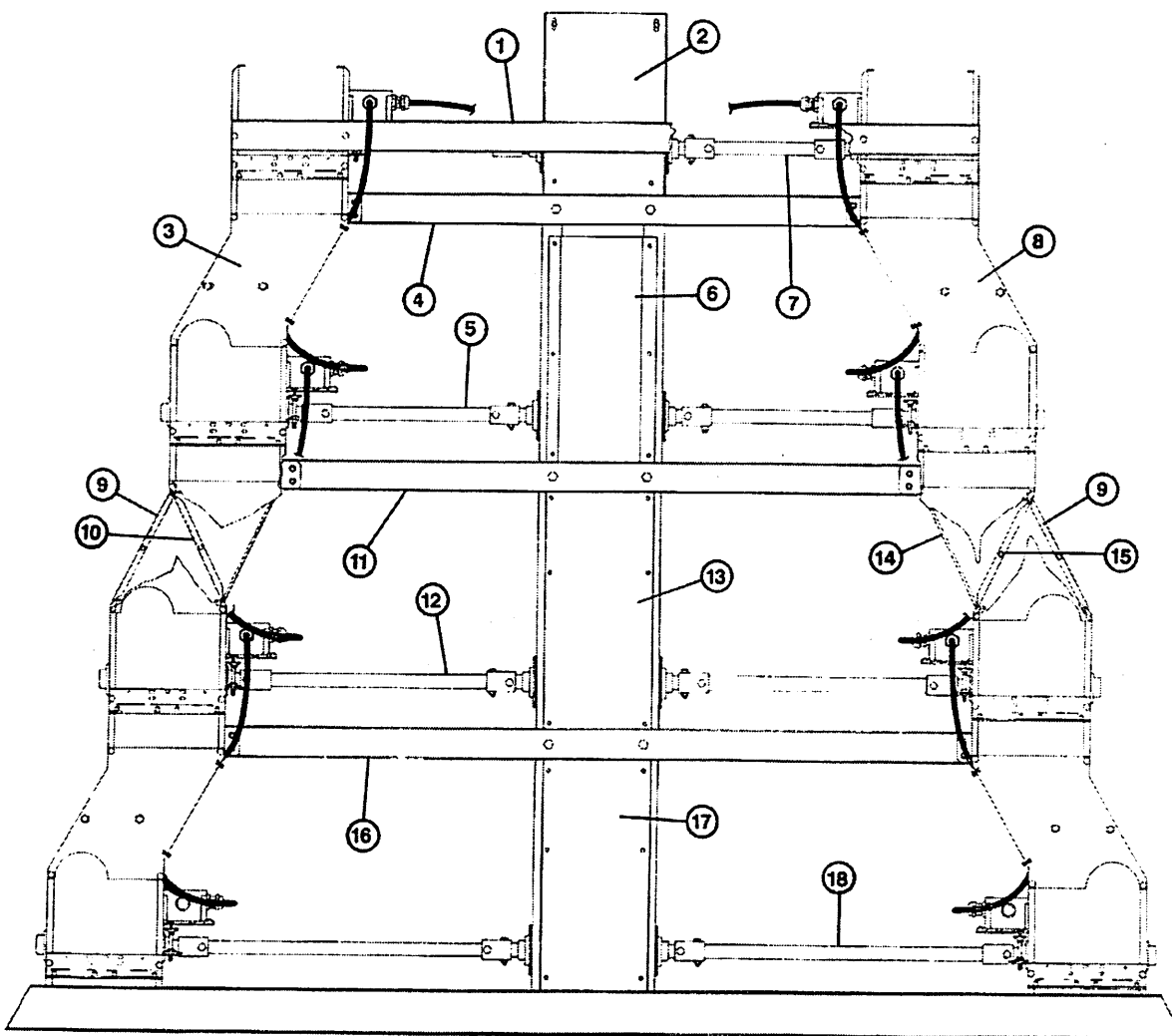
4-HI SSS Egg Collector (Front View)



Item	Description	2"	4"
		Part No.	Part No.
1	Escalator Drive Cover	23746	23746
2	Sweep Brace	13952	13952
3	Patent Manufacturing Decal	2528-2	2528-2
4	Transition Piece	21051	21051
5	Pop Rivet	2569	2569
6	Escalator Belt Assembly	21057-7	21057-7
7	Escalator Belt Assembly	21057-8	21057-8
8	Module Brace (R.H.)	23765-2	24033-2
9	SSS Module Assembly		
	—Solid Steel Idler Shaft	23750-2	9369-2
	—S.S. Tube Idler Shaft	N.A.	9369-4
10	Back Cross	23811	23811
11	Pop Rivet	2946	2946
12	Identification Plate	20231	20231
13	#8 x 3/8 Hx Washer Hd Screw	13019	13019
14	Oil Here Decal	20250-1	20250-1
15	Module Support	23743	23743
16	Decal	2527-26	2527-26
17	Connecting Cover	23773	23773
18	Housing Cover Weldment	23741	23741
19	Switch Box Cover	6776	6776
20	Escalator Connecting Cover	9995	9995
21	Control Unit (single phase)	23722	23722
	Control Unit (three phase)	14650	14650
22	Drive Cover Weldment	23734	23734
23	Upper Housing Cover	23742	23742
24	Caution Decal	2527-10	2527-10
25	Patent Applied For Decal	2528-1	2528-1
26	Upper Tier Egg Cushion	8850	8850
27	SSS Module Assembly (L.H.)		
	—Solid Steel Idler Shaft	23750-1	9369-1
	—S.S. Tube Idler Shaft	N.A.	9369-3
28	Module Brace (L.H.)	23765-1	23765-1
29	Twin Helix Screw	6980	6980
30	Gasket	6777	6777
31	Escalator Belt Assembly	21057-6	21057-6
32	Lower Brace	14783	14783
33	Escalator Belt Assembly	21057-5	21057-5
34	Module Back Brace (L.H.)	23766-1	23766-2
35	Module Back Brace (R.H.)	23766-2	23766-2
36	Inner Tier II Brace	23723	23723
37	Cord Assembly	23000-15	23000-15
38	Inner Tier I Brace	23718	23718
39	Connecting Shaft	21049-7	21049-7
40	Connecting Shaft	21049-22	21049-22
41	Cord Assembly	4999-42	4999-42
42	Top Cross Brace	23724	23724
43	Connecting Shaft	21049-6	21049-6
44	SBC Junction Box Assembly	14042	14042
45	Conduit Assembly	25082	25082
46	Conduit Assembly (single phase)	23821	23821
	Conduit Assembly (three phase)	14654	14654
47	Module Cover	23764	23764
48	Motor (single phase)	20466	20466
	Motor (three phase)	14110	14110
	Motor 50 Hz. (single phase)	20685	20685
49	Inner Tier II Cover Assembly	24376	24376
50	Speed Reducer	20235	20235
51	Inner Tier II Egg Chute	24366	24366
52	Inner Tier I Cover Assembly (L.H.)	25426-1	25426-1
	Inner Tier I Cover Assembly (R.H.)	25426-2	25426-2
53	12 Tooth Sprocket	20086	20086
54	Inner Tier I Egg Chute	25516	25516
55	Upper Tier Cover Assembly (L.H.)	25510-1	25510-1
56	Upper Tier Cover Assembly (R.H.)	25510-2	25510-2
57	Upper Tier Egg Chute	25508	25508
58	Bottom Tier Egg Chute	24364	24364
59	Bottom Tier Egg Chute Cover	24374	24374

4-Hi SSS Egg Collector (Back View)

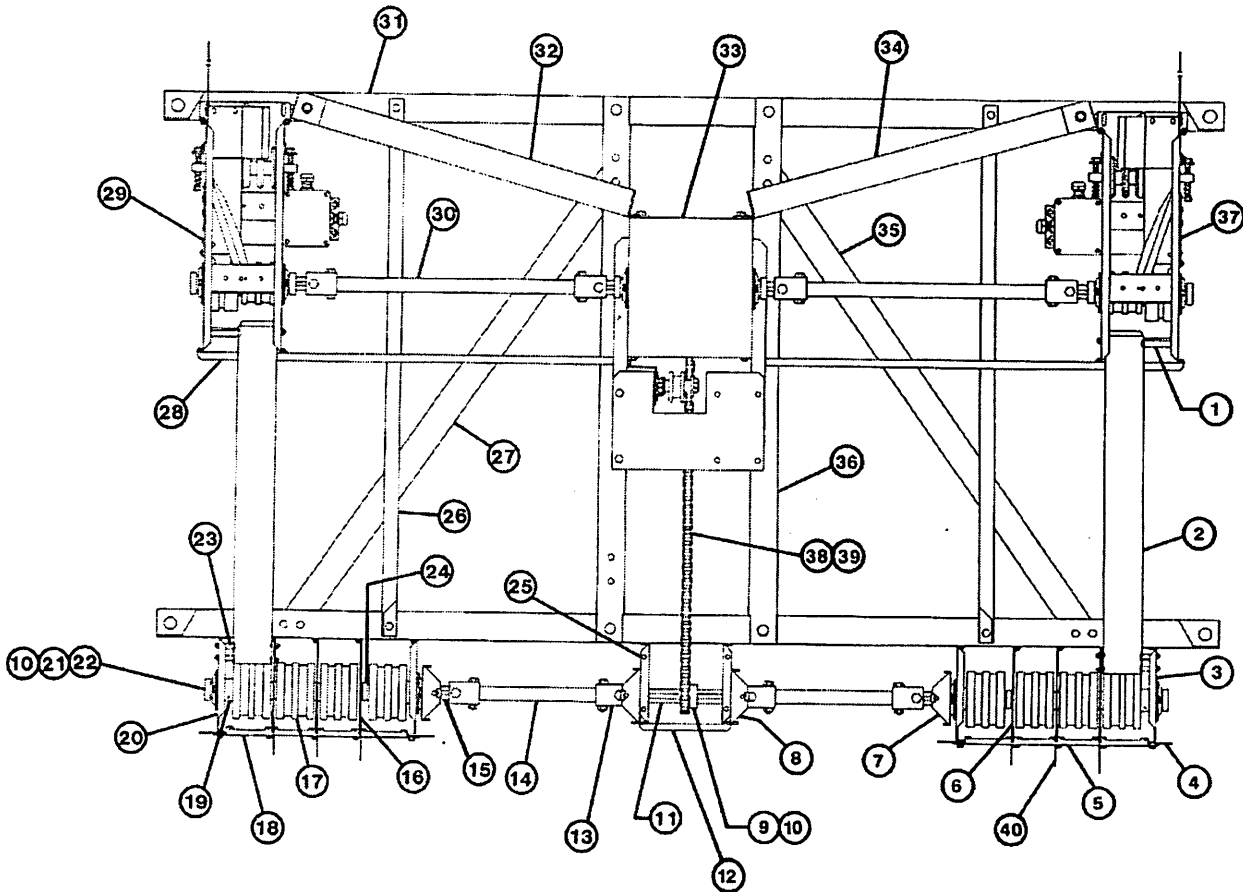
Item	Description	2"	4"
		Part No.	Part No.
1	Back Cross	23811	23811
2	Top Cross	25078	25078
3	Module Back Brace (R.H.)	23766-2	24034-2
4	Top Cross Brace	23724	23724
5	Connecting Shaft	21049-22	21049-22
6	Sprocket Cover	25076	25076
7	Connecting Shaft	21049-6	21049-6
8	Module Back Brace (L.H.)	23766-1	24034-1
9	Module Cover	23764	23764
10	Module Brace (R.H.)	23765-2	24033-2
11	Inner Tier I Brace	23718	23718
12	Connecting Shaft	21049-7	21049-7
13	Lower Cover	25079	25079
14	Module Support	23743	23743
15	Module Brace (L.H.)	23765-1	24033-1
16	Inner Tier II Brace	23723	23723
17	Bottom Cover	25081	25081
18	Connecting Shaft	21049-3	21049-3



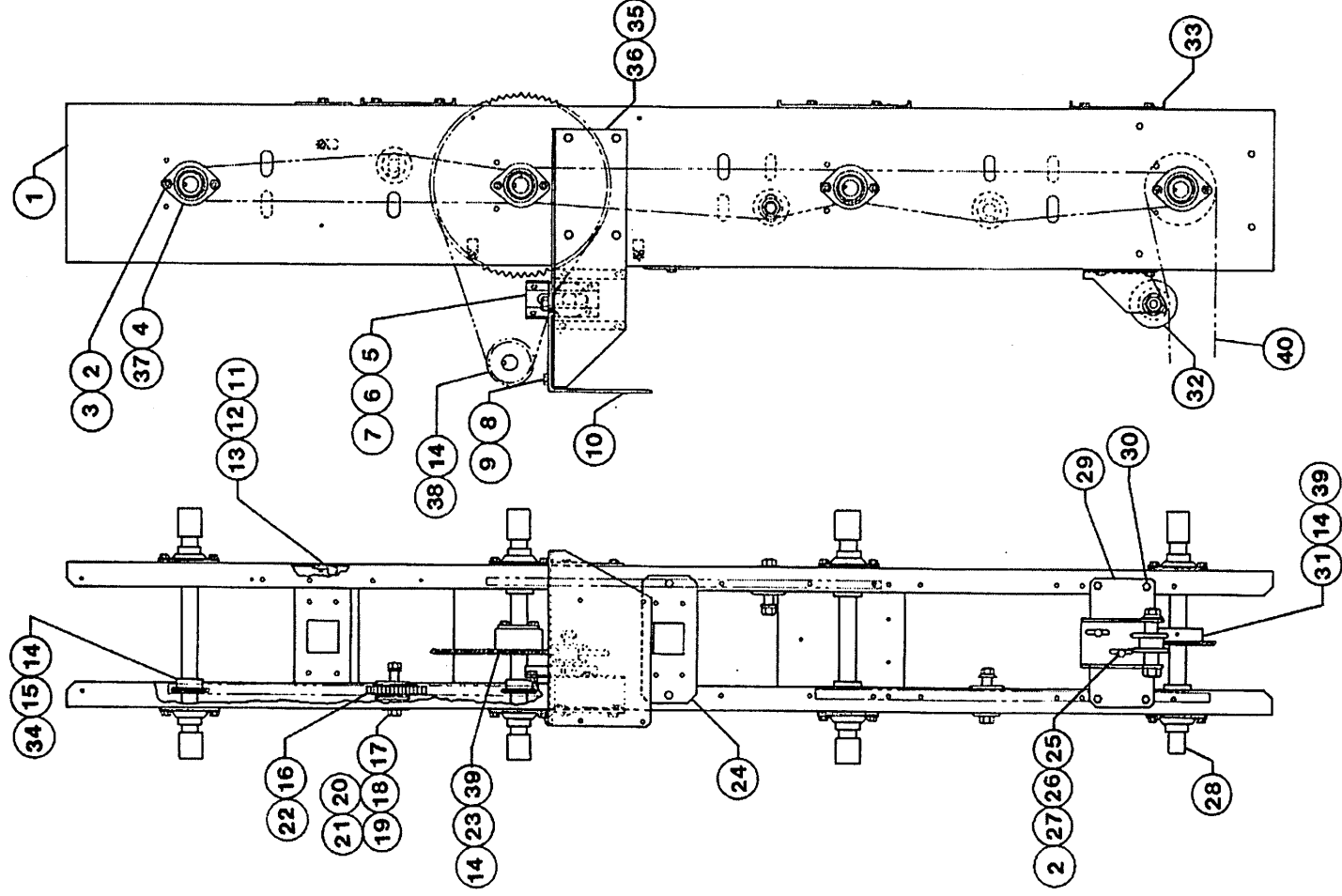
4-Hi SSS Egg Collector

(Top View)

Item	Description	2" Part No.	4" Part No.	Item	Description	2" Part No.	4" Part No.
1	Module Chute Spacer	23726	23726	23	Inside Chute Spacer	23727	23727
2	Bottom Tier Egg Chute	24364	24364	24	Drive Roller Spacer	23729	23729
3	Outer Side Panel (R.H.)	23806-2	23806-2	25	Front Drive Side Panel (R.H.)	23732-2	23732-2
4	Transition Spacer	23747	23747	26	Inner Cross Frame	23706	23706
5	Transition Holder (R.H.)	23751-2	23751-2	27	Main Angle Brace (L.H.)	23749-1	23749-1
6	Lower Side Panel (R.H.)	23805-2	23805-2	28	Module Cross Frame	23705	24050
7	Drive Cover Mounting Bracket	9989	9989	29	SSS Module Assembly (L.H.)		
8	Front Drive Side Panel (L.H.)	23732-1	23732-1		—Solid Steel Idler Shaft	23750-1	9369-1
9	12 Tooth Sprocket	20086	20086		—S.S. Tube Idler Shaft	N.A.	9369-3
10	1/4" Square Key	2419-3	2419-3	30	Connecting Shaft	21049-3	21049-3
11	Front Drive Shaft	23767	23767	31	Main Frame	24818	24814
12	Front Drive Angle Brace	23733	23733	32	Housing Back Brace (L.H.)	23769-1	23769-1
13	1" Coupling	20269	20269	33	Drive Housing Assembly	23790	23790
14	Connecting Shaft	21049-10	21049-10	34	Housing Back Brace (R.H.)	23769-2	23769-2
15	Escalator Shaft	20572-7	20572-7	35	Main Angle Brace (R.H.)	23749-2	23749-2
16	Lower Side Panel (L.H.)	23805-1	23805-1	36	Cross Frame	24813	24813
17	Drive Roller	21028	21028	37	SSS Module Assembly (R.H.)		
18	Transition Holder (L.H.)	23751-1	23751-1		—Solid Steel Idler Shaft	23750-2	9369-2
19	1" Set Collar	5759	5759		—S.S. Tube Idler Shaft	N.A.	9369-4
20	Outer Side Panel (L.H.)	23806-1	23806-1	38	Drive Chain	21045-4	21045-4
21	Bearing	20191-2	20191-2	39	Connecting Link	20017	20017
22	Flangette	20191-1	20191-1	40	Lower Egg Guide	14156	14156



4-Hi SSS Drive Column (Part No. 23790)

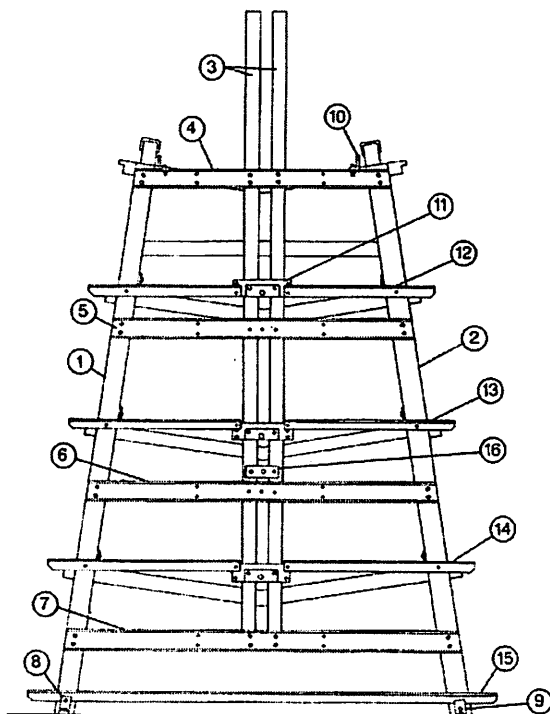


<u>Item</u>	<u>Description</u>	<u>Part No.</u>	<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Drive Housing Side	23786	23	5/16-18 x 5/8" Set Screw	5692
2	5/16-18 Hex Nut	2145	24	Junction Box Plate	23745
3	5/16-18 Carriage Bolt	20125	25	5/16 Lock Washer	547
4	Bearing	20191-2	26	5/16 Flat Washer	2230
5	1/4-20 Hex Nut	751	27	5/16-18 x 3/4 Hx Hd. Screw	2046
6	1/4-20 x 1/2" Fastener	1487	28	Drive Housing Shaft	23702
7	Idler Assembly	23840	29	Escalator Idler Base	23736
8	5/16-18 Locknut	2148	30	5/16-18 x 1/2" Hex Hd Screw	1839
9	5/16-18 x 5/8 Hx Hd Screw	4412-1	31	28 Tooth, 1" Bore Sprocket	20201
10	Motor Base	23715	32	Idler Bracket Assembly	23738
11	10-24 Stamp Nut	135	33	Bottom Cover	25081
12	10-24 Truss Hd Screw	1795	34	3/8-16 Locknut	2183
13	Cable Clip	565	35	Motor Bracket (L.H.)	23707-1
14	1/4" Square Key	2419-3	36	Motor Bracket (R.H.)	23707-2
15	14 Tooth, 1" Bore Sprocket	20390	37	Flangette	20191-1
16	Roller Chain	21045-9	38	Drive Chain	21045-12
17	5/8-11 Flange Hex Nut	5762	39	14 Tooth, 1" Bore Sprocket	20390
18	Idler Bushing	21239	40	Drive Chain	21045-4
19	5/8 Flat Washer	1484	41	1" Coupler	20269
20	5/8-11 x 3 Hex Hd Bolt	5745-2	42	3/8-16 x 2" Hex Hd M.S.	20604
21	Chain Idler Roller	20369	43	#8 Sheet Metal Screw	13019
22	70 Tooth, 1" Bore Sprocket	14668	44	Top Cover	25078

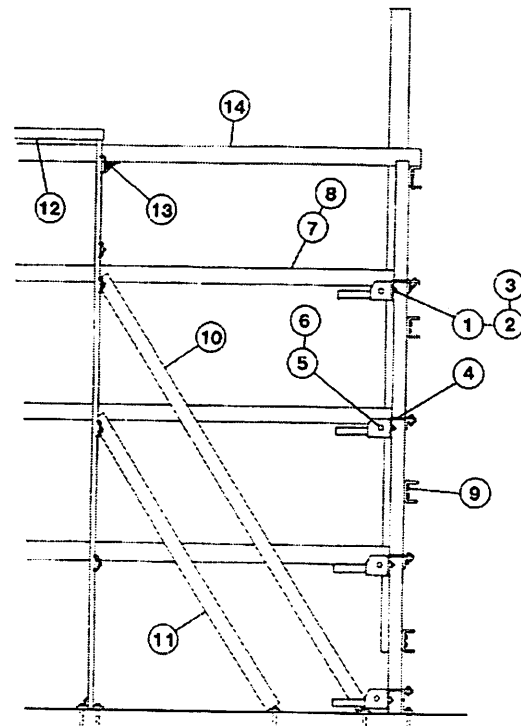
Rear Return Framing for SSS Cages with Dropping Board Scrapers

4-Hi

End View



Side View



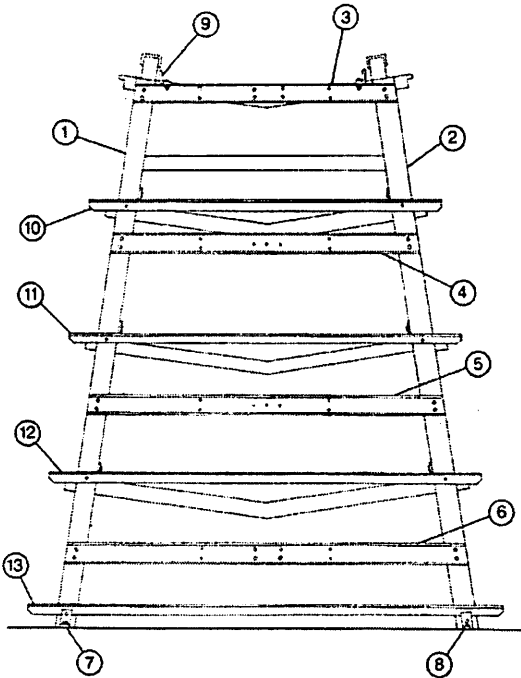
<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Leg	15341-1
2	Leg	15341-1
3	Dual Support Column	14336
4	Top Cross	15332
5	Top Inter-Cross	15334
6	Bottom Inner-Cross	15333
7	Bottom Cross	15331-2
8	End Base	15181-1
9	End Base	15181-2
10	Top Extension Angle Brace	15259
11	Rear Return Mounting Plate	23817
12	Rear Return Top Cross	23813
13	Rear Return Top-Inter Cross	23814
14	Rear Return Inter-Bottom Cross	23815
15	Rear Return Bottom Cross	23816
16	Adjusting Plate	15222

<u>Item</u>	<u>Description</u>	<u>2"</u> <u>Part No.</u>	<u>4"</u> <u>Part No.</u>
1	5/16-18 x 3/4" Carriage Bolt	20125	20125
2	5/16 Hex Nut	2145	2145
3	5/16 Flat Washer	546	546
4	Rear Return Extension	23818	23818
5	Rear Return Assembly (L.H.)	21106-1	20217-1
6	Rear Return Assembly (R.H.)	21106-2	20217-2
7	Dropping Board Extension / wood	15338	15338
8	Dropping Board Extension / metal	15340	15340
9	5/16-18 x 3/4 Hex Hd Cap Screw	2046	2046
10	End Brace Top	15330-2	15330-2
11	End Brace Bottom	15330-1	15330-1
12	Top Angle Brace	15255	15255
13	Brace Angle Clip	21182	21182
14	Top Extension Angle Brace	15259	15259

Rear Return Framing for SSS Curtain Back Cages with Ultraflo Feeders

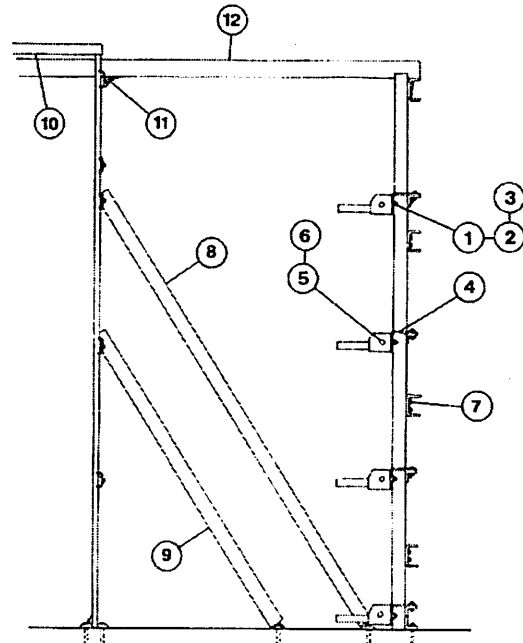
4-Hi

End View



<u>Item</u>	<u>Description</u>	<u>Part No.</u>
1	Leg	15341-1
2	Leg	15341-2
3	Top Cross	15332
4	Top-Inter Cross	15334
5	Bottom Inter Cross	15333
6	Bottom Cross	15331-2
7	End Base	15181-1
8	End Base	15181-2
9	Top Extension Angle Brace	15259
10	Rear Return Top Cross	14440
11	Rear Return Top-Inter Cross	14441
12	Rear Return Inter-Bottom Cross	14442
13	Rear Return Bottom Cross	23816

Side View



<u>Item</u>	<u>Description</u>	<u>2°</u> <u>Part No.</u>	<u>4°</u> <u>Part No.</u>
1	5/16-18 x 3/4" Carriage Bolt	20125	20125
2	5/16 Hex Nut	2145	2145
3	5/16 Flat Washer	546	546
4	Rear Return Extension	23818	23818
5	Rear Return Assembly (L.H.)	21106-1	20217-1
6	Rear Return Assembly (R.H.)	21106-2	20217-2
7	5/16-18 x 3/4" Hx Hd Cap Screw	2046	2046
8	End Brace Top	15330-2	15330-2
9	End Brace Bottom	15330-1	15330-1
10	Top Angle Brace	15255	15255
11	Brace Angle Clip	21182	21182
12	Top Extension Angle Brace	15259	15259

WARRANTY INFORMATION

Chore-Time Equipment warrants each new product manufactured by it to be free from defects in material or workmanship for one year from the date of initial installation by the original purchaser. If such a defect is found by Chore-Time to exist within the one year period, Chore-Time 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.

Additional extended warranties are herewith provided to the original purchaser as follows:

1. RLX Fans, less motors, for three years from date of installation.
2. Poultry feeder pans that become unusable within five years from date of installation. Warranty prorated after three years usage.
- *3. Rotating centerless augers, excluding applications involving High Moisture Corn (exceeding 18%), for ten years from date of installation. Applications involving High Moisture Corn are subject to a one year warranty.
4. Chore-Time manufactured roll-formed steel auger tubes for ten years from date of installation.
5. Laying cages that become unusable within ten years. Warranty prorated after three years usage.
- *6. ULTRAFLO® Auger and ULTRAFLO® Feed Trough (except ULTRAFLO® Trough Liners) are warranted for a period of five (5) years from date of original purchase against repeated breakage of the auger or wear-through of the feed trough.

Conditions and limitations:

1. The product must be installed and operated in accordance with instructions published by Chore-Time or warranty will be void.
2. Warranty is void if all components of a system are not supplied by Chore-Time.
3. This product must be purchased from and installed by an authorized Chore-Time dealer 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 this 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.

Chore-Time shall not be liable for any consequential or special damage which any purchaser may suffer or claim to have suffered 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 CHORE-TIME'S ENTIRE AND SOLE WARRANTY AND CHORE-TIME EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, EXPRESS AND IMPLIED WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE SOLD AND DESCRIPTION OR QUALITY OF THE PRODUCT FURNISHED HEREUNDER.

Any exceptions to this warranty must be authorized in writing by an officer of the company. Chore-Time reserves the right to change models and specifications at any time without notice or obligation to improve previous models.

*See separate "WARRANTY ADDITION" as to these products

CHORE-TIME EQUIPMENT, A Division of CTB, Inc.
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