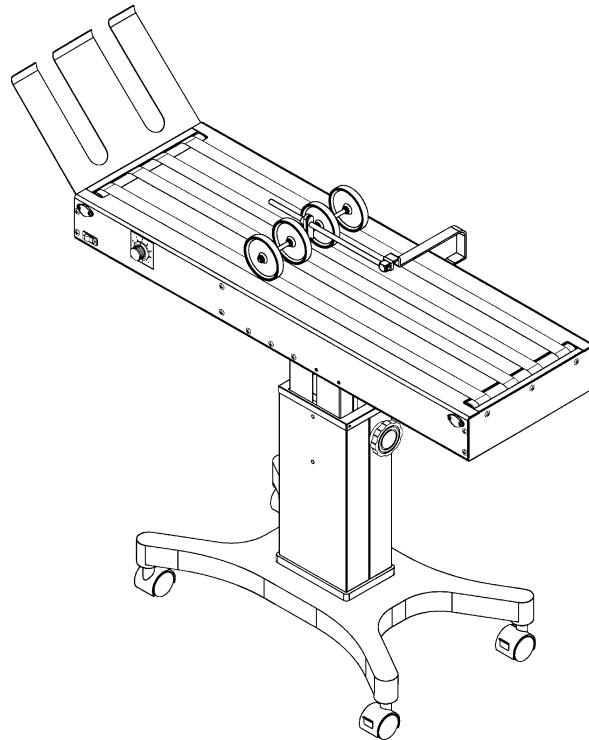




# **ASTRO**

## **100 / 300**

### **Conveyor Delivery**



**USER'S GUIDE / PARTS CATALOG**



## INTRODUCTION

Conveyor transports paper stock from the Duplicator. As first piece of stock exits Duplicator, motor-driven Conveyor Tapes under Stacker Wheels move it. When next piece of stock exits Duplicator, it overlaps the preceding one and is moved along Conveyor. After clearing Stacker Wheels, stock can be unloaded by hand without stopping the Duplicator.

**CD-100** has an Adjustable Height Conveyor Stand that permits use with chute or chain delivery equipped Duplicators.

**CD-300** is a tabletop unit.

## SPECIFICATIONS\*

<b>Power Requirements</b>	115 VAC, 60 Hz, 0.7 AMP
<b>Optional Availability</b>	220 VAC, 50 Hz, 0.5 AMP
<b>Fuse:</b>	1 AMP
<b>Speed Of Tapes:</b>	0" – 180" (457.2 cm)/min. (variable)
<b>Dimensions:</b>	<b>Width:</b> 12" (30.5 cm) <b>Length:</b> 40" (101.6 cm) <b>Height:</b> 22-32" (55.9 cm-81.3 cm). (Astro-100 only) Tabletop (Astro 300) <b>Weight:</b> 35 Lbs. (15.9 kg)

\* MANUFACTURER RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT WRITTEN NOTICE.

## SAFETY PRECAUTIONS

THIS EQUIPMENT PRESENTS NO PROBLEM WHEN USED PROPERLY. OBSERVE SAFETY MEASURES WHEN OPERATING THE CONVEYOR:

READ MANUAL CAREFULLY AND FOLLOW RECOMMENDED PROCEDURES.

- KEEP HANDS, HAIR, AND CLOTHING CLEAR OF ROLLERS, TAPES, AND OTHER MOVING PARTS.
- ALWAYS TURN MACHINE OFF BEFORE MAKING ADJUSTMENTS OR CLEANING.
- DISCONNECT POWER CORD WHEN MAKING ANY MACHINE ADJUSTMENTS OR PERFORMING ANY MAINTENANCE NOT COVERED IN THIS MANUAL.

### CAUTION

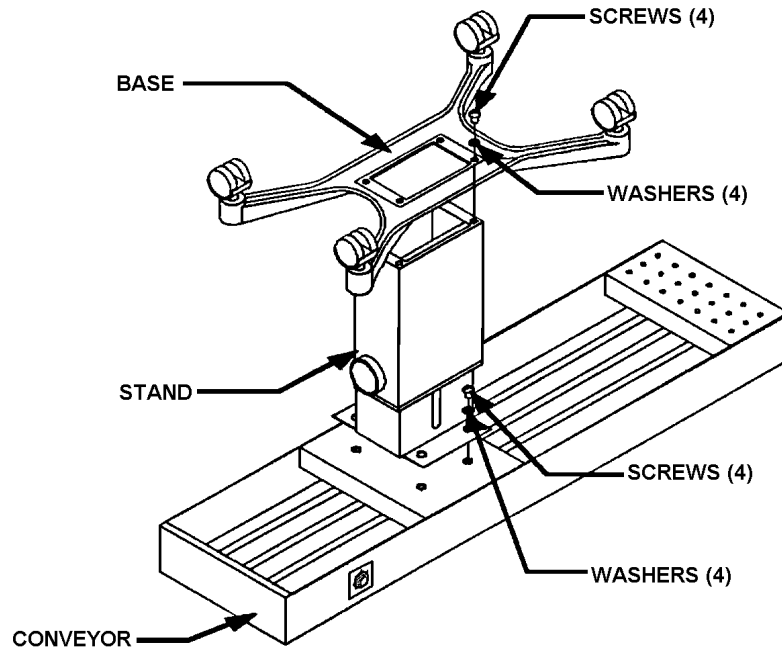
**THIS EQUIPMENT MUST BE CONNECTED TO A PROPERLY GROUNDED OUTLET!  
FAILURE TO DO SO CREATES A POTENTIAL DANGER OF ELECTRICAL SHOCK!**

# ASSEMBLING CONVEYOR

Assembly time is approximately 10-15 minutes. No special tools required.

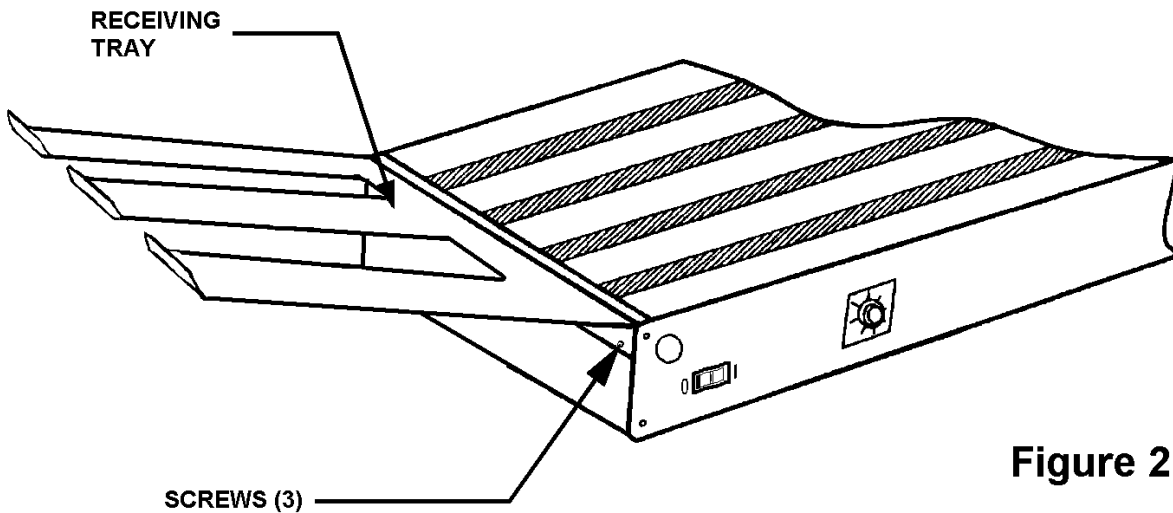
**Points 1 through 5 apply to the Astro-100 only:**

1. Unpack all packaging and remove parts supplied.
2. Place Conveyor upside down.
3. Attach Stand to Conveyor using (four) 10-32 screws and (four) washers (**Figure 1**).
4. Attach Base to Stand using (four) 1/4-20 screws and (four) washers (**Figure 1**).



**Figure 1**

5. Place Conveyor on its Base. Attach Receiving Tray to Conveyor with (*three*) 10-32 screws provided (**Figure 2**).



**Figure 2**

6. Install Stacker Wheel Assembly using one of three sets of holes along length of Conveyor.

## **CONVEYOR SETUP FOR CHUTE DELIVERY**

1. Remove Receiving Tray from Duplicator.
2. Position Conveyor so receiving end is adjacent to Delivery Roller.
3. Loosen Height-adjusting Knob on Stand and adjust height of Conveyor so Tapes are level with bottom of Delivery Roller. Tighten Height-adjusting Knob.
4. Locate Stacker Wheels so as stock exits Duplicator, lead edge should just touch Wheels as it clears Duplicator. stock will then start to overlap previous piece as it is transported down Conveyor. Speed of Multi-Conveyor determines amount of overlap.

If necessary, reposition Stacker Wheels. Clamp serves as a fine-position adjustment. Squeezing the lever releases clamp so Wheel Assembly can be repositioned a few inches forward or backward. Wheel Assembly can also be reversed so Wheels ride “upstream” or “downstream”.

## **CONVEYOR SETUP FOR CHAIN DELIVERY**

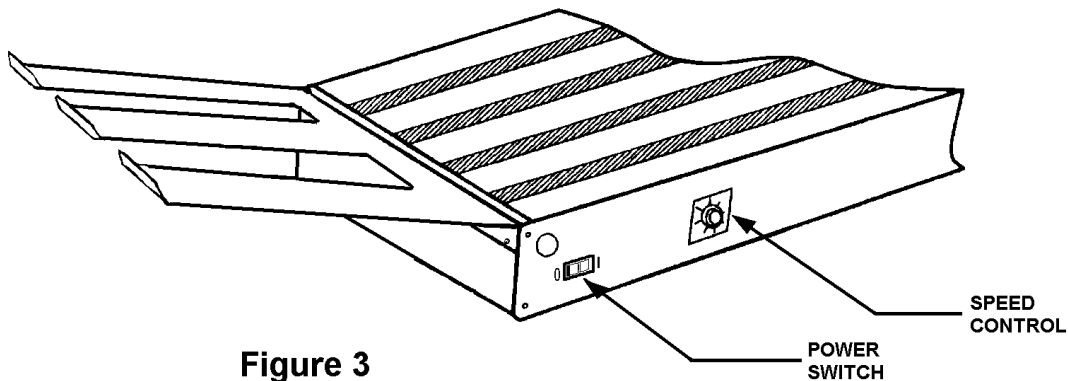
1. Remove Paper-receiving Table from Chain Delivery.
2. Remove Stacker Wheel Assembly. It is not required when using Chain Delivery.
3. Position receiving end of Conveyor adjacent to backstop in Chain Delivery. Adjust height of Conveyor to permit clearance for Gripper Bars, but minimize distance that stock falls after being released by Grippers.
4. Adjust height of Conveyor as necessary by following procedure outlines in **Step 3** of Chute Delivery. If unit should ever cease to function, check Fuse and replace it if necessary. Fuse is located in Speed Control Box on underside of Conveyor.

**SHOULD A PROBLEM OCCUR WHICH CANNOT BE CORRECTED IMMEDIATELY, CALL YOUR SERVICE REPRESENTATIVE.**

## OPERATING CONVEYOR

1. Turn Conveyor and Duplicator ON.
2. Feed stock through Duplicator and observe how it is received by Conveyor.
3. Make necessary adjustments.

The extent of overlapping is determined by speed of Conveyor and Duplicator. Speed of Conveyor can be adjusted using Speed Control Knob (**Figure 3**).



**Figure 3**

Stacker Wheels can also be repositioned. Wheels are attached to a clamp which also serves as a fine adjustment. Squeezing lever on clamp releases clamp, allowing Stacker Wheel Assembly to move forward or backward. If necessary, whole Stacker Wheel Assembly can be moved into another set of holes on Conveyor.

If Conveyor should fail to function, check for jammed paper between Tapes and Roller. Also check Fuse and replace it if necessary. Fuse Holder is located on underside of Conveyor in Speed Control Box.

### **WARNING!**

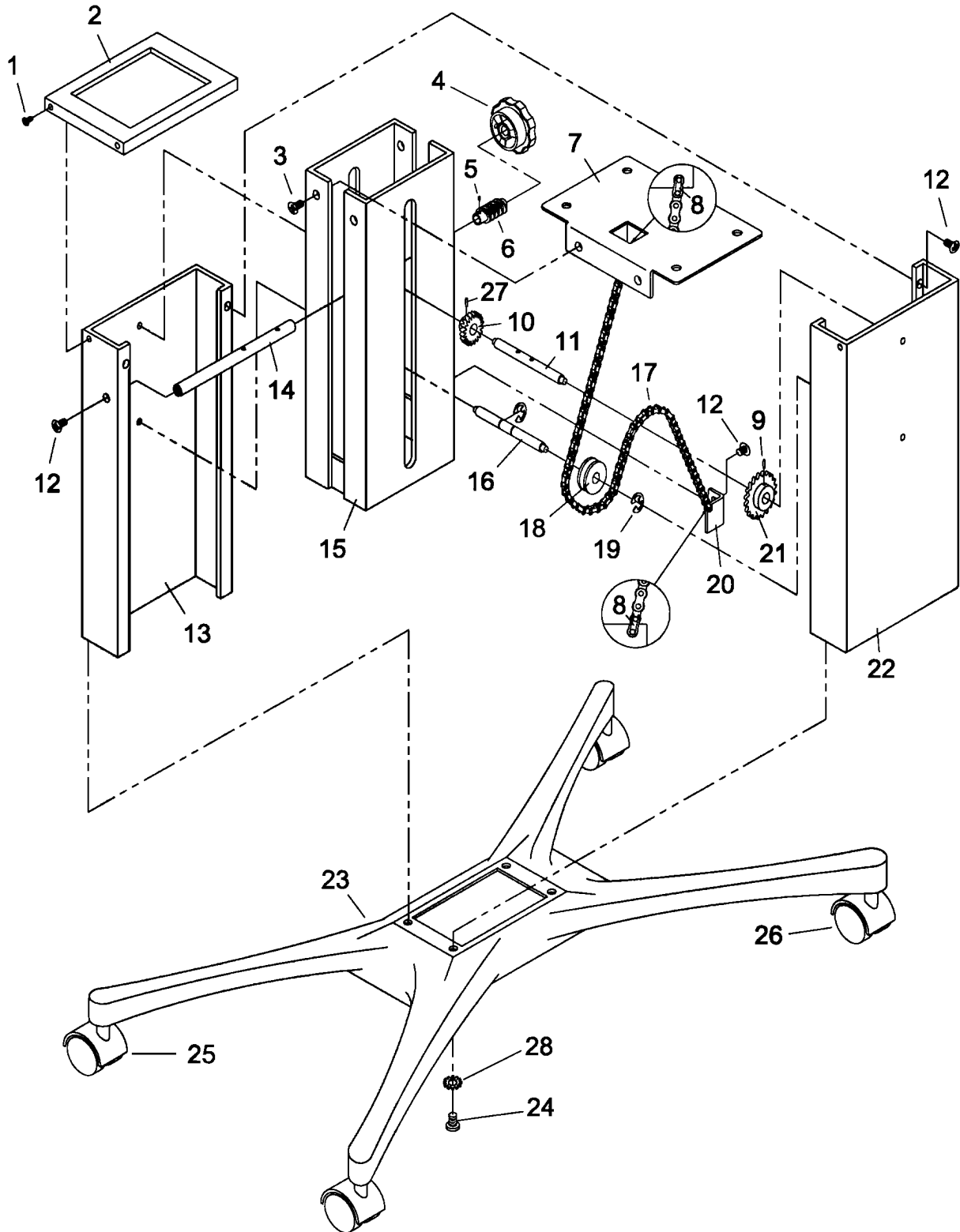
**DISCONNECT POWER CORD WHEN CHECKING OR REPLACING FUSE!**

### **CAUTION**

**ALWAYS REPLACE FUSE WITH SAME TYPE. FAILURE TO DO SO MAY DAMAGE ELECTRONIC CIRCUIT BOARD, THUS VOIDING WARRANTY.**

**PARTS CATALOG**  
**ASTRO 100/300**  
**CONVEYOR**

# GROUP 1

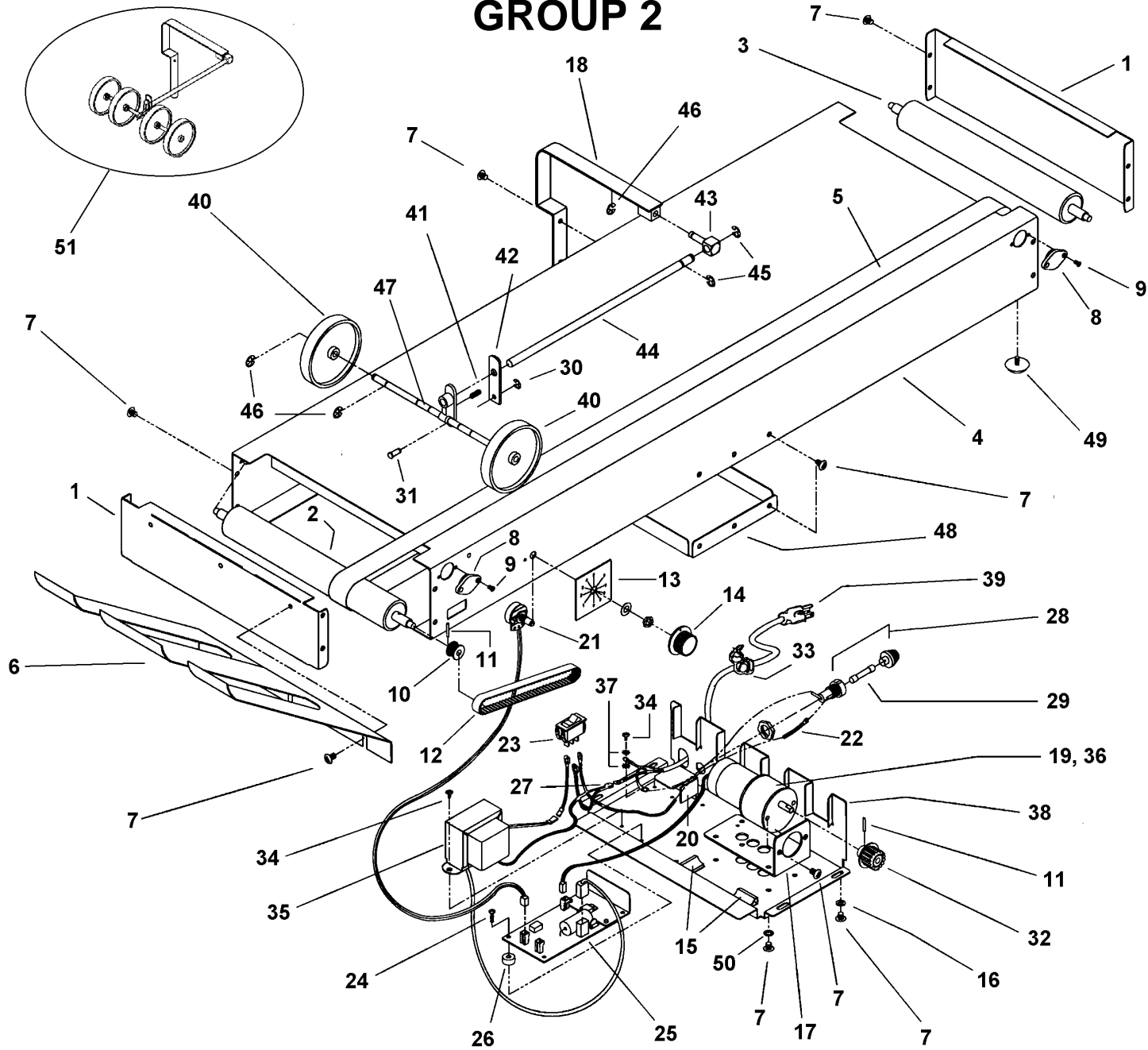




# GROUP 1

KEY	PART NO.	DESCRIPTION
1.	123-0612	SCREW, 6-32 x 1/4" PHILLIPS PAN HEAD
2.	510-20	COVER, MIDDLE
3.	123-0446	SCREW, 8-32 x 5/16" PHILLIPS FLAT HEAD
4.	123-0293	KNOB, HEIGHT ADJUSTMENT
5.	123-0010	SET SCREW, 6-32 x 1/8"
6.	156-103-12	HELIX ANGLE WORM
7.	510-06	COVER, TOP
8.	123-0200	LINK, CHAIN CONNECTING
9.	123-0018	PIN, 1/8" x 3/4" ROLL
10.	156-103-11	GEAR, WORM, 20 TEETH
11.	510-14	SHAFT, DRIVE
12.	123-0017	SCREW, 10-32 x 1/4" PHILLIPS TRUSS HEAD
13.	510-03	WELDMENT, PANEL BASE, L/H SIDE
	511-03	WELDMENT, PANEL BASE, L/H SIDE (FOR HCD ONLY)
14.	510-19	SHAFT
15.	510-04	WELDMENT, ELEVATOR BRACKET
16.	510-15	SHAFT, IDLER
17.	510-21	CHAIN, TRANSMISSION ROLLER
18.	510-16	ROLLER, IDLER
19.	123-0006	C-CLIP
20.	510-17	BRACKET, CHAIN
21.	510-10	SPROCKET, 25B20
22.	510-02	WELDMENT, PANEL BASE, R/H SIDE
	511-02	WELDMENT, PANEL BASE, R/H SIDE (FOR HCD ONLY)
23.	510-22	WELDMENT, BASE
24.	123-0004	SCREW, 10-32 x 5/8" SOC. HEAD
25.	123-0517	CASTER, NON-LOCKING
26.	123-0521	CASTER, LOCKING
27.	123-0034	ROLL PIN, 1/8" x 5/8"
28.	123-0252	STAR WASHER, #6 EXTERNAL ZINC

# GROUP 2



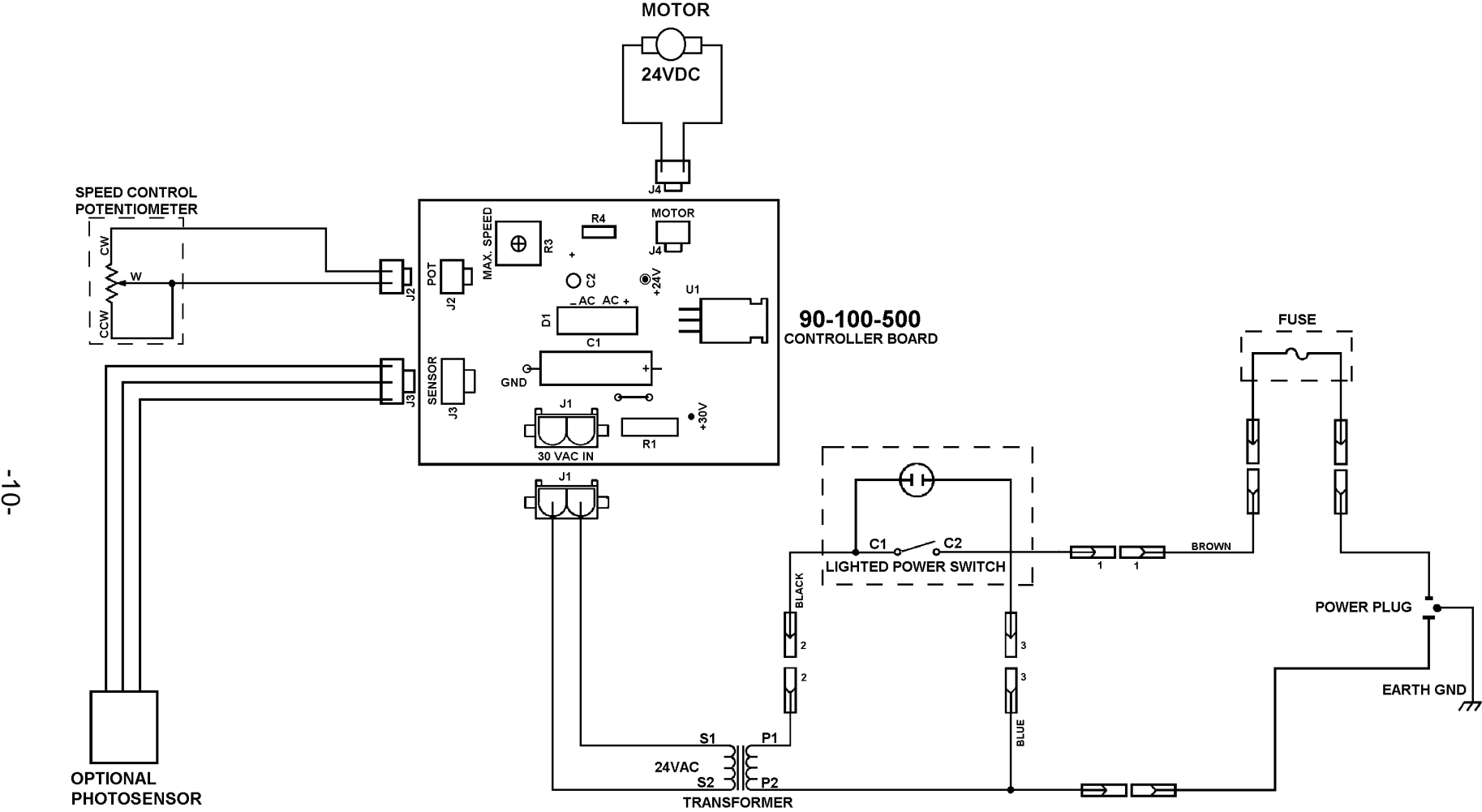
## GROUP 2

KEY	PART NO.	DESCRIPTION
1.	CD-400-06A	BODY CLOSURE
2.	50-500-40	DRIVE ROLLER
3.	50-500-41	IDLER ROLLER
4.	CD-400-03A	CONVEYOR BODY
5.	123-0309	CONVEYOR TAPE
6.	CD-300-17A	RECEIVING TRAY
7.	123-0017	SCREW, 10-32 x 14"
8.	90-103-52	BEARING HOUSING ASSEMBLY
9.	123-0275	SCREW, 6-32 x 1/4"
10.	71-122-06	PULLEY
11.	123-0036	ROLL PIN
12.	123-0139	TIMING BELT, 100XLO32
13.	123-0305	INDICATOR PLATE
14.	123-0390	KNOB
15.	123-0607	WIRE CLAMP
16.	123-0237	STAR WASHER, #10
17.	CD-301-06	MOTOR BRACKET (BEFORE S/N 51284* must order CD-400-100 Power Supply Assembly, see Key 52)
18.	CD-300-14	BAIL WELDMENT
19.		<b>SEE ITEM # 36</b>
20.	CD-300-32	FUSE SHIELD
21.	CD-301-20	POTENTIOMETER ASSEMBLY (BEFORE S/N 51284* must order CD-400-100 Power Supply Assembly, see Key 52)
22.	CD-300-23	WIRE HARNESS, FUSE SWITCH
23.	123-0664	POWER SWITCH
24.	123-0614	SCREW, 6-32 x 1/2"
25.	90-100-500	P.C. BOARD (BEFORE S/N 51284* must order CD-400-100 Power Supply Assembly, see Key 52)
26.	123-0299	SPACER
27.	CD-300-22	WIRE HARNESS, TRANSFORMER-SWITCH
28.	123-0089	FUSE HOLDER

KEY	PART NO.	DESCRIPTION
29.	123-0680	FUSE, 0.5A/250V (115V, 60Hz)
	123-0634	FUSE, 0.3A/250V (220V, 50Hz)
30.	123-0080	C-CLIP, 3/16"
31.	71-121-03	PIN
32.	123-0601	MOTOR PULLEY, 14 XL
33.	123-0301	STRAIN RELIEF
34.	123-0612	SCREW, 6-32 x 1/4"
35.	CD-301-30	TRANSFORMER (115V, 60Hz) (BEFORE S/N 51284* must order CD-400-100 Power Supply Assembly, see Key 52)
	CD-301-40	TRANSFORMER (220V, 50Hz) (BEFORE S/N 51346* must order CD-400-100 Power Supply Assembly, see Key 52)
36.	CD-401-18	MOTOR ASSEMBLY (BEFORE S/N 51284* must order CD-400-100 Power Supply Assembly, see Key 52)
	CD-401-18HS	MOTOR ASSEMBLY, HIGH SPEED
37.	123-0252	STAR WASHER, #6
38.	CD-401-05	ELECTRIC CABINET
39.	CD-300-25	POWER CORD (115V US DOMESTIC)
	CD-301-25	POWER CORD (220V EUROPE)
40.	CD-300-21	STACKER WHEEL
41.	71-120-09	SPRING
42.	CD-300-59	CLAMP PLATE
43.	CD-300-13	PIVOT, STACKER WHEEL ROD
44.	CD-300-11	ROD, STACKER WHEEL
45.	123-0432	C-CLIP, 5/16"
46.	123-0081	C-CLIP, 1/4"
47.	50-500-56	STACKER WHEEL ASSEMBLY
48.	CD-400-09	CENTER SUPPORT
49.	123-0620	RUBBER FOOT (TABLE TOP MODEL ONLY)
50.	123-0916	GROMMET 3/16" x 7/16"
51.	CD-300-200	STACKER WHEEL ASSEMBLY
52.	CD-400-100	POWER SUPPLY ASSEMBLY (Includes all components and housing – specify 115V or 220V)

\* CD-100E BEFORE S/N 51346

# CONVEYOR WIRING DIAGRAM





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Elk Grove Village, Illinois 60007  
07/27/2015

**PART NUMBER: 400-CD-100-300 REV. B**