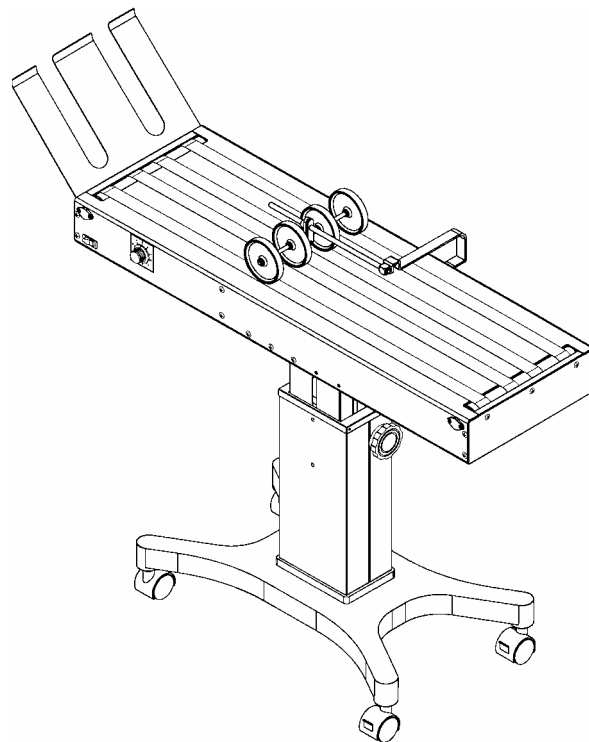




**ASTRO**

**100 / 300**

**Conveyor Delivery**



**USER'S GUIDE / PARTS CATALOG**



## INTRODUCTION

The conveyor is a delivery unit that transports paper stock from the duplicator. As the first piece of stock exits the duplicator the motor driven conveyor tapes under the stacker wheels move it. When the next piece of stock exits the duplicator it overlaps the preceding one and is moved along the conveyor. After clearing the stacker wheels the stock can be unloaded by hand without the need to stop the duplicator.

The adjustable height conveyor stand on the Model 100 permits its use with chute or chain delivery equipped duplicators.

## SPECIFICATIONS\*

Power Requirements	115 VAC, 60 Hz, 0.7 AMP
Optional Availability	220 VAC, 50 Hz, 0.5 AMP
Fuse:	1 AMP
Speed Of Tapes:	0" – 180"/min. (variable)
Dimensions:	Width: 12 in. Length: 40 in. Height: 22 – 32 in. (Astro-100 only) Weight: 35 pounds

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

## SAFETY PRECAUTIONS

THIS EQUIPMENT PRESENTS NO PROBLEM WHEN USED PROPERLY. HOWEVER, CERTAIN SAFETY MEASURES SHOULD BE OBSERVED WHEN OPERATING THE CONVEYOR:

READ THIS MANUAL CAREFULLY AND FOLLOW RECOMMENDED PROCEDURES.

- KEEP HANDS, HAIR, AND CLOTHING CLEAR OF ROLLERS, TAPES, AND OTHER MOVING PARTS.
- ALWAYS TURN OFF MACHINE 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 THE CONVEYOR

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

Points 1 through 5 apply to the Astro-100 only.

1. Unpack all packaging and remove the parts supplied.
2. Place the conveyor upside down.
3. Attach the stand to the conveyor using (four) 10-32 screws and (four) washers (Figure 1).
4. Attach the base to the stand using (four) 1/4-20 screws and (four) washers (Figure 1).

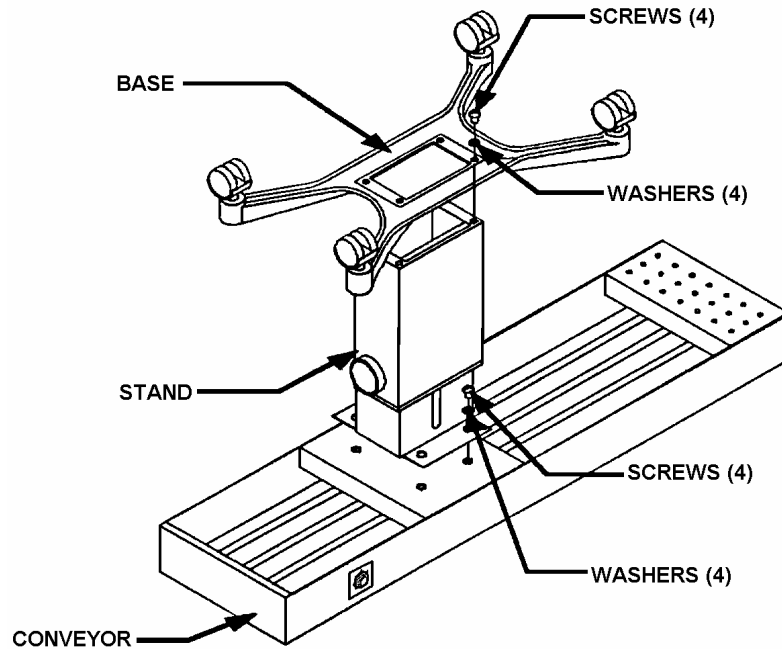


Figure 1

5. Place the conveyor on its base. Attach the receiving tray to the conveyor with (three) 10-32 screws provided (Figure 2).

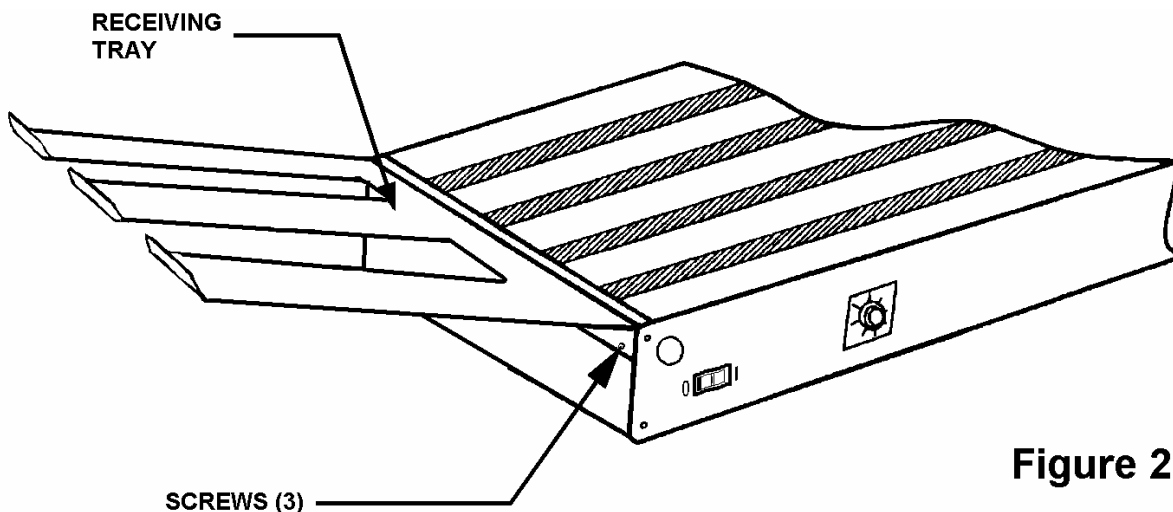


Figure 2

6. Install the stacker wheel assembly using one of the three sets of holes along the length of the conveyor.

## **CONVEYOR SETUP FOR CHUTE DELIVERY**

1. Remove the receiving tray from the duplicator.
2. Position the conveyor so that the receiving end is adjacent to the delivery roller.
3. Loosen the height-adjusting knob on the stand and adjust the height of the conveyor so that the tapes are level with the bottom of the delivery roller. Tighten the height-adjusting knob.
4. The location of the stacker wheels should be such that as the stock exits the duplicator, the lead edge should just touch the wheels as it clears the duplicator. The stock will then start to overlap the previous piece as it is transported down the conveyor. The speed of the multi-conveyor determines the amount of the overlap.

If necessary, reposition the stacker wheels. The clamp serves as a fine-position adjustment. Squeezing the lever releases the clamp so that the wheel assembly can be repositioned a few inches forward or backward. Also, the wheel assembly can be reversed so that the wheels ride “upstream” or “downstream”.

## **CONVEYOR SETUP FOR CHAIN DELIVERY**

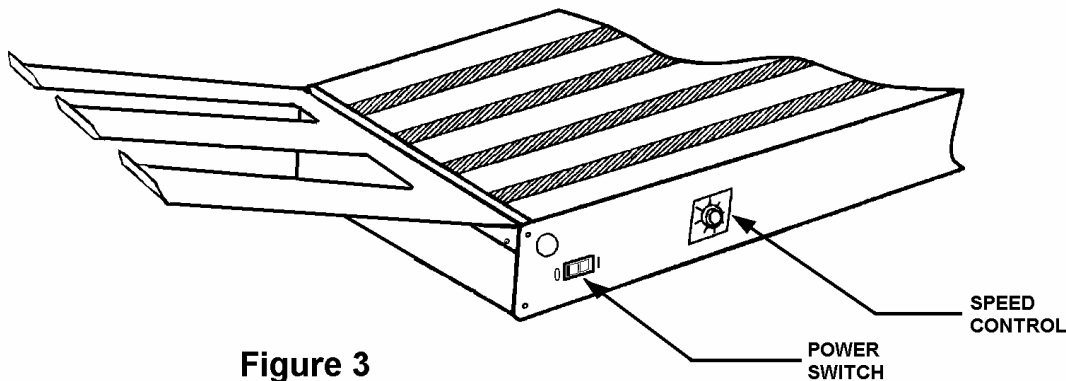
1. Remove the paper-receiving table from the chain delivery.
2. Remove the stacker wheel assembly. It is not required when using the chain delivery.
3. Position the receiving end of the conveyor adjacent to the backstop in the chain delivery. Adjust the height of the conveyor to permit clearance for the gripper bars, but minimize the distance that the stock falls after being released by the grippers.
4. Adjust the height of the conveyor as necessary by following the procedure outlines in step 3 of Chute Delivery. If the unit should ever cease to function, check the fuse and replace it if necessary. The fuse is located in the speed control box on the underside of the conveyor.

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

## OPERATING THE CONVEYOR

1. Turn on the conveyor and the duplicator.
2. Feed stock through the duplicator and observe the way it is received by the conveyor.
3. Make necessary readjustments.

The extent of overlapping is determined by the speed of the conveyor and the duplicator. The speed of the conveyor can be adjusted using the speed control knob (Figure 3).



**Figure 3**

The stacker wheels can also be repositioned. The clamp to which the wheels are attached serves as a fine adjustment. Squeezing the lever on the clamp releases the clamp, which allows the stacker wheel assembly to move forward or backward. If necessary, the whole stacker wheel assembly can be moved into another set of holes on the conveyor.

If the conveyor should fail to function, check for jammed paper between the tapes and roller. Also check the fuse and replace it if necessary. The fuse holder is located on the underside of the conveyor in the speed control box.

### **WARNING**

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

### **CAUTION**

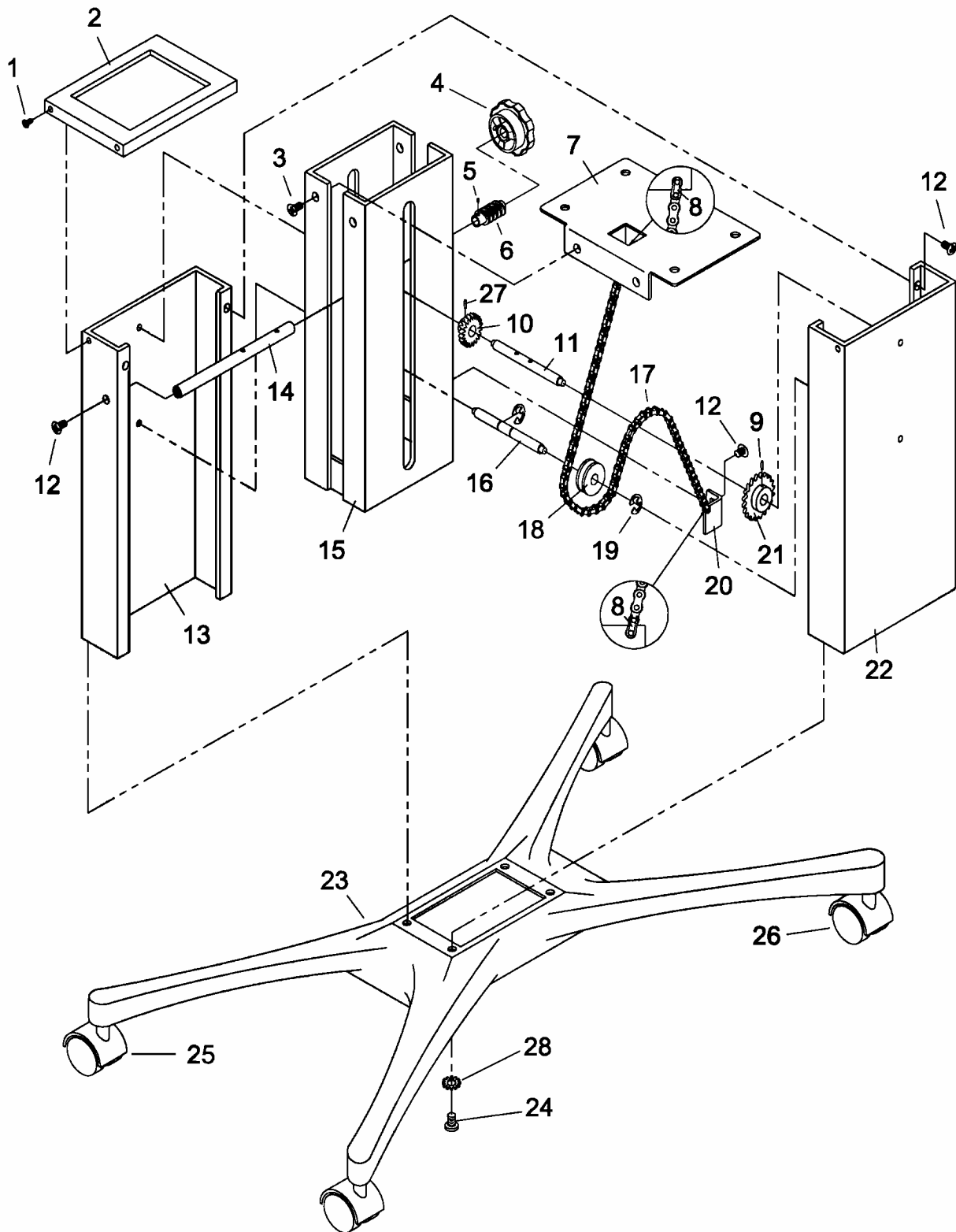
**ALWAYS REPLACE THE FUSE WITH THE SAME TYPE. FAILURE TO DO SO MAY DAMAGE THE ELECTRONIC CIRCUIT BOARD, THUS VOIDING WARRANTY.**

**PARTS CATALOG**

**for**

**ASTRO-100 / 300**

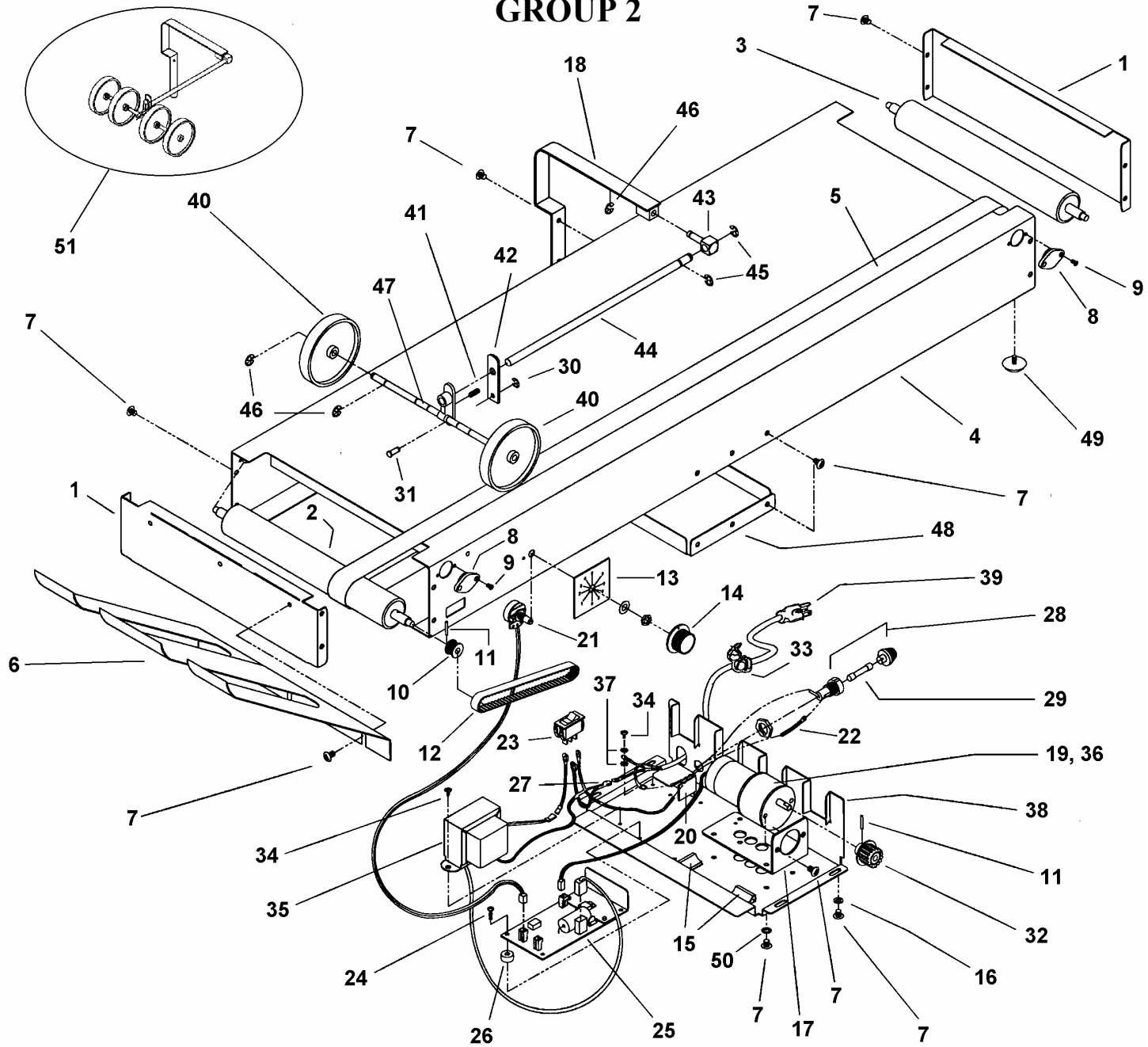
# Group 1



# Group 1

KEY #	PART NUMBER	DESCRIPTION
1.	123-0612	SCREW, 6-32 X 1/4" PHILIPS PAN HEAD
2.	510-20	COVER, MIDDLE
3.	123-0446	SCREW, 8-32 X 5/16" PHILIPS FLAT HEAD
4.	123-0293	KNOB, HEIGHT ADJUSTMENT
5.	123-0010	SCREW, 6-32 X 1/8" SET
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" PHILIPS 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.	123-0080	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	WASHER, STAR #6 EXTERNAL ZINC

# GROUP 2

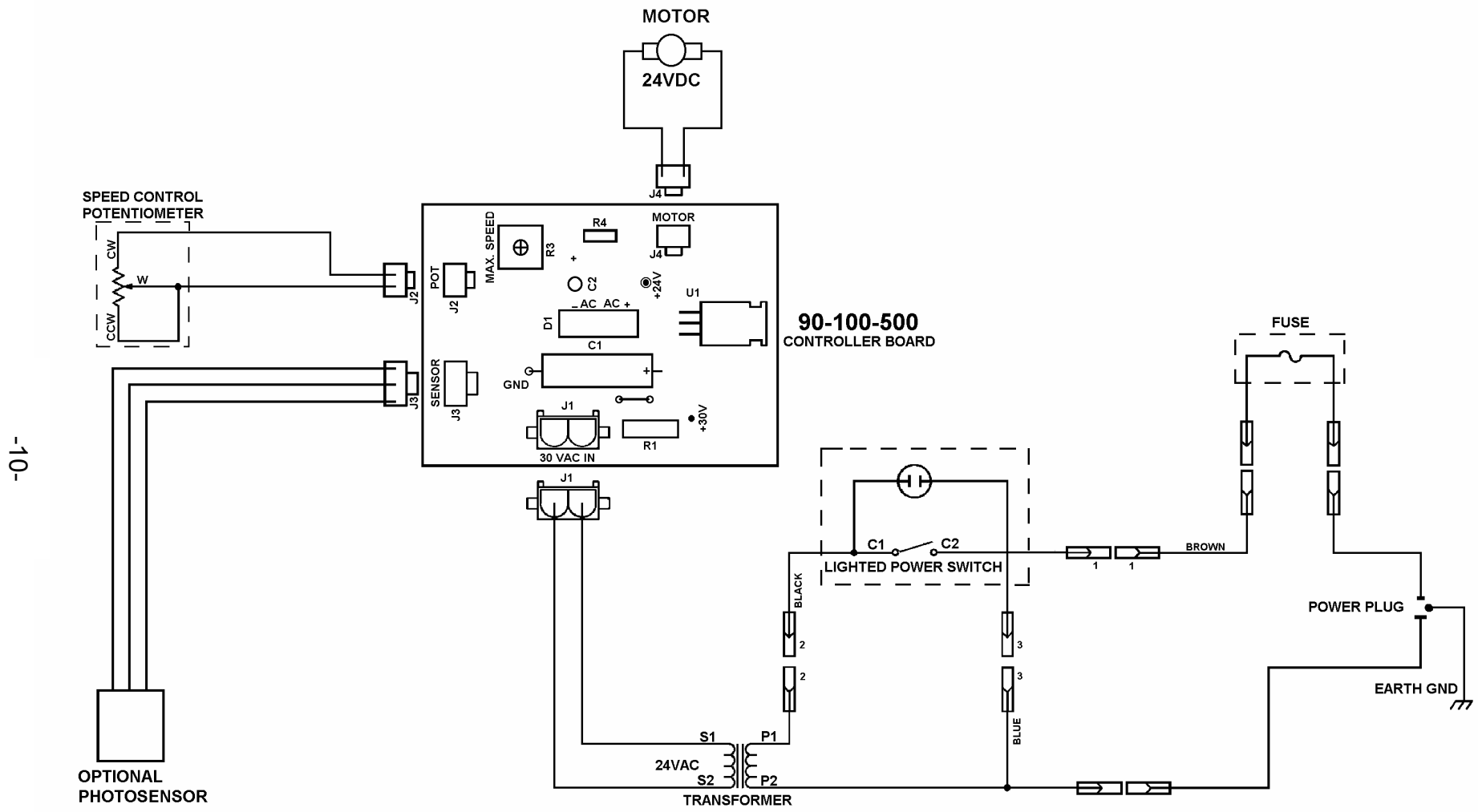


KEY #	PART NUMBER	DESCRIPTION
1.	CD-400-06A	BODY CLOSURE
2.	50-500-40	DRIVE ROLLER
3.	50-500-41	IDLER ROLLER
4.	CD-400-03A	CONVEYOR BODY
5.	123-0309	CONVEYOR TAPE
6.	CD-300-17A	RECEIVING TRAY
7.	123-0017	SCREW, 10-32 X 14"
8.	90-103-52	BEARING HOUSING ASSEMBLY
9.	123-0275	SCREW, 6-32 X 1/4"
10.	123-0102	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
	CD-300-06	MOTOR BRACKET (before S/N 51284*)
18.	CD-300-14	BAIL WELDMENT
19.		SEE ITEM # 36
20.	CD-300-32	FUSE SHIELD
21.	CD-301-20	POTENTIOMETER ASSEMBLY
	CD-300-20	POTENTIOMETER ASSY. (before S/N 51284*)
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
	90-100-50	P.C. BOARD (before S/N 51284*)
26.	123-0299	SPACER
27.	CD-300-22	WIRE HARNESS, TRANSFORMER-SWITCH
28.	123-0089	FUSE HOLDER

\* CD-100E BEFORE S/N 51346

KEY #	PART NUMBER	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)
	CD-300-30	TRANSFORMER (115V, 60Hz) before S/N 51284
	CD-301-40	TRANSFORMER (220V, 50Hz)
	CD-300-40	TRANSFORMER (220V, 50Hz) before S/N 51346
36.	CD-401-18	MOTOR ASSEMBLY
	CD-401-18HS	MOTOR ASSEMBLY, HIGH SPEED
	CD-400-100	MOTOR ASSEMBLY (before S/N 51284*)
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

## Group 2



-10-

**CONVEYOR WIRING DIAGRAM**





**ASTRO**  
MACHINE CORP.

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05/23/2006

**P/N: 400-CD100300**