Polytend

H-30 SERVICE MANUAL
SUPPLEMENT to the H-22

Polyvend.
CONWAY ARKANSAS

INSTALLATION

☐ Remove outside snipping carton.

☐ Place machine into position and adjust leveling legs so it is level and aligned with adjacent machines.

☐ Locate small envelope in delivery compartment inside "Push" door and remove keys.

☐ Open glass service door with supplied key and remove all internal packing. (There are different numbered keys in envelope - one for product door, one for the back door, and, if so ordered, one for coin bank lock.)

☐ Remove price stickers from envelope shipped in delivery compartment and select the appropriate ones to match desired pricing of products.

☐ Peel off the adhesive backing and place selected price stickers on their perspective cover bars.

☐ Set vend prices:

  ☐ Multi-Price:

    ☐ Locate the large price select board behind sliding door on right inside of cabinet.

    ☐ Each blue block of 6 rocker switches controls the vend price of one selection. The top row of blocks left to right control selections 1 thru 6; second row down controls selections 7 thru 10. etc. through 5 rows for all 30 selections.

    ☐ Number one rocker switch in each block represents the lowest coin denomination the coin changer will accept. Number two rocker switch represents two times this lowest amount; number three rocker switch represents two times the value of number two switch. Example. #1 = 5¢; #2 = 10¢; #3 = 20¢; #4 = 40¢; #5 = 80¢; and #6 = 160¢.

    ☐ Placing the rocker switches in the up position, that is by pushing the number on the switch in, causes the coin changer to require that amount of money before the machine will vend.

    ☐ All rocker switches in this "on" position are added to establish a vend price. Example: #1 = 5¢ and #3 = 20¢. With switches in "on" position, the vend price for that selection is 25¢. Example: #1 = 5¢; #2 = 10¢ and #3 = 20¢; with these switches in the "on" position, vend price for that selection is 35¢.

    ☐ Set all selections at desired price level.

Fig. 1

PRICE BOARD ASSEMBLY

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	B-16186	1	P.C. Board
2	B-16239	30	Switch (EECO 24000 GGB)
3	CMI-2079-2	180	Diode (IN 4003)

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← —————— 4.75 —————— →

2.5

PRICE SETTING   INSTRUCTIONS

(1) EACH SIX POSITION
    SWITCH REPRESENTS A
    VEND SELECTION

(2) PRESS IN ON THE TOP OF
    THE ROCKER(S) TO SET
    THE PRICE DESIRED

(3) ADD THE VALUE OF THE
    ROCKER(S) SET TO "ON" TO
    GET THE TOTAL PRICE
    SET FOR A SELECTION

on

off

5 10 20 40 80 1.60

EXAMPLE
5+20+40=65

SELECTIONS 1 TO 6 TOP ROW
SELECTIONS 7 TO 12 2nd ROW
SELECTIONS 13 TO 18 3rd ROW
SELECTIONS 19 TO 24 4th ROW
SELECTIONS 25 TO 30 5th ROW

⅛ R. TYP.

DISPENSERS

FIG. 7 illustrates the dispenser unit used in the H-30. The 3 basic components as labeled in FIG. 7 are:

(1) Cover Bar
(2) Spindle conveyor
(3) Motor Assembly

When a product selection is made (see section E of operation), an electric signal starts the motor, turning the helical conveyor one complete rotation. This operation advances all products forward dispensing the front selection into the delivery compartment.

The cover bar has three functions. If discourages theft through shaking the machine, provides a number on the front tab for product selection with the matching number on the selector switch assembly, and presents a more attractive appearance to the machine by concealing the conveyor.
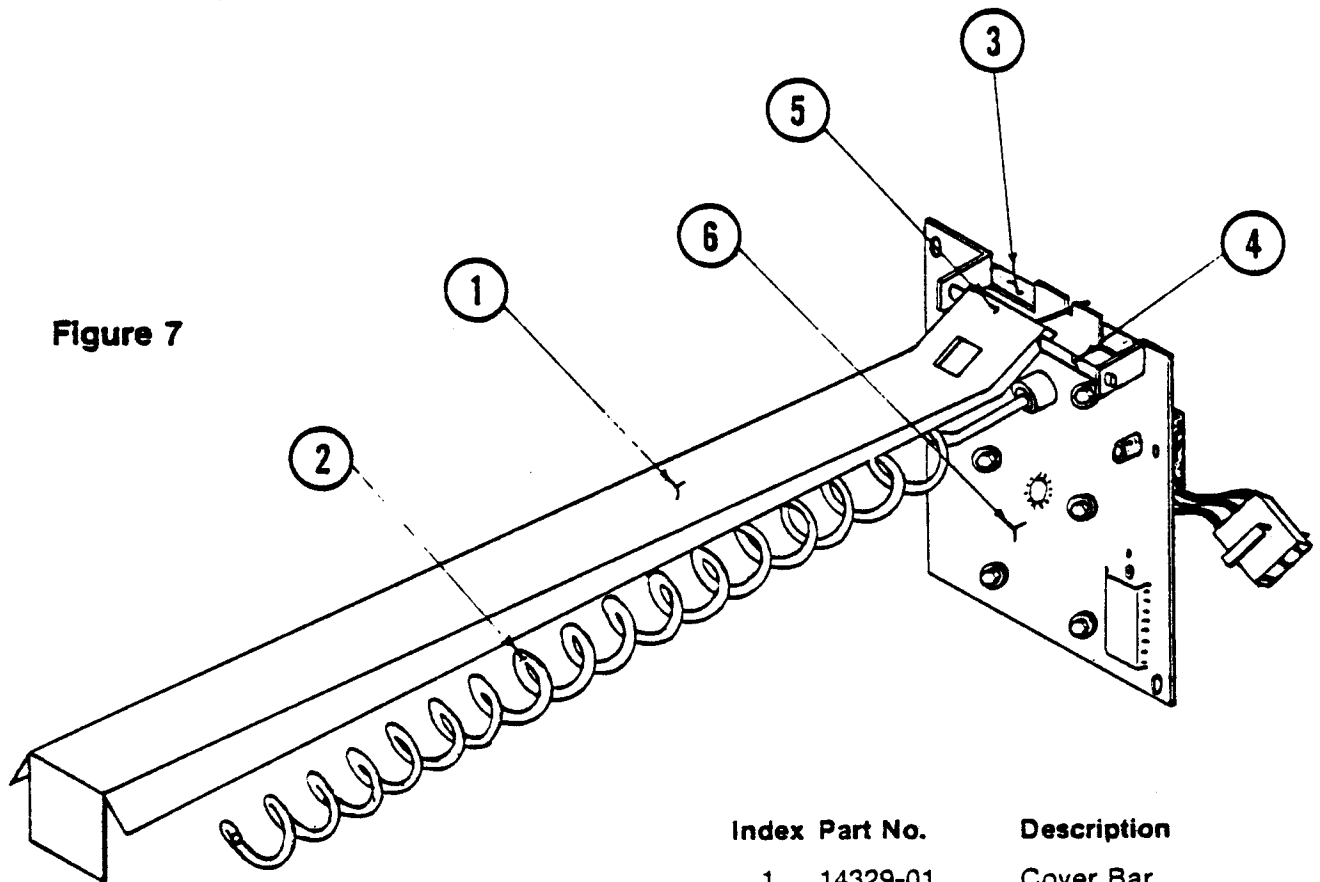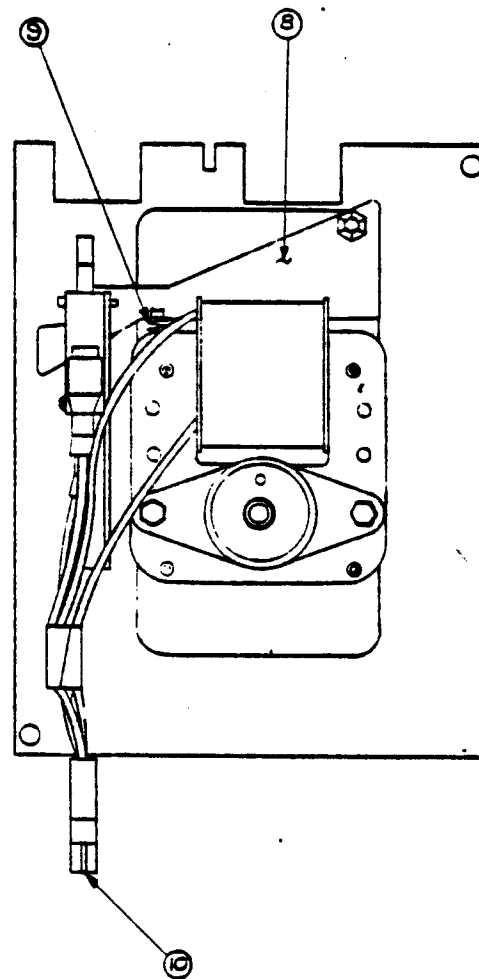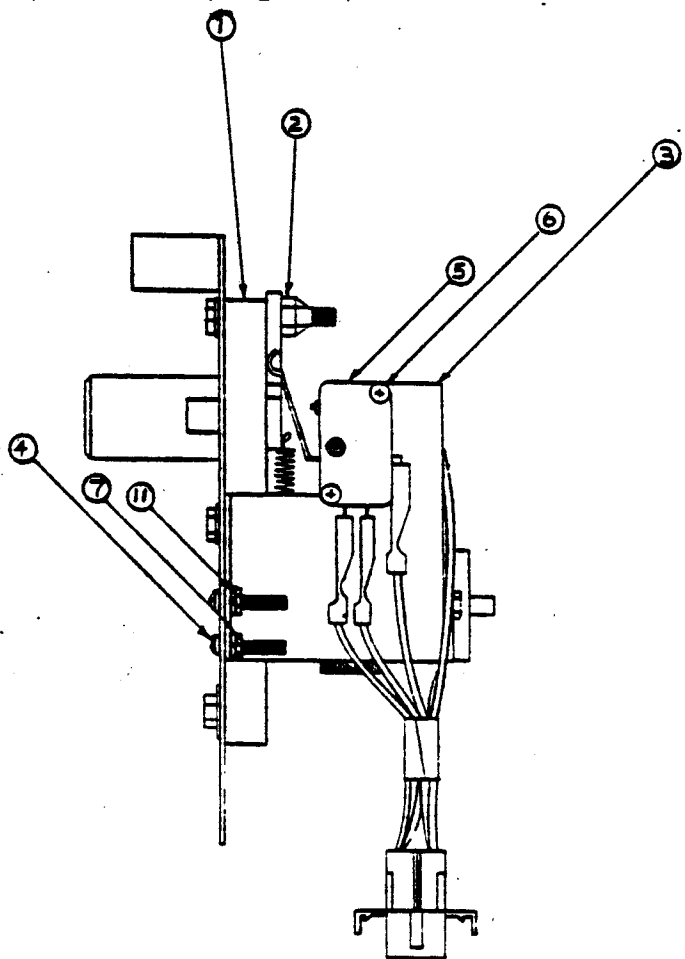
Figure 7

| Index	Part No.	Description
1	14329-01	Cover Bar
2	10033	Conveyor, 15 Positions
2	10034	Conveyor, 10 Positions
3	10231-01	Motor Assy.-Single Price
	10231-02	
3	14322-01	Motor Assy.-4 Price
	14322-02	
4	14343	Pivot Pin
5	14318	Cover Bar Spring
6	13519-01	Motor Faceplace
	13519-02	

Suffix -01 = White, -02 Putty Grey

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Item No.	Part No.	Description	No. Req'd
1	*	Motor-Gear Train G.I. (see tab)	1
2	A-819	Palnut 8-32 (acorn) Style AK	1
3	A-14275	Bracket-Switch	1
4	A-16198	Screw 4-40-5/16"	2
5	A-12660	Switch-Gear Motor	1
6	A-13261	Screw 4-40-5/8"	2
7	A-11794	Nut 4-40	2
8	A-14276	Cam Follower	1
9	A-814	Spring	1
10	A-16179	Harness-Motor (see note)	1
11	A-4527	Washer-Lock	2
12	2114	Tape	2"

| Part No.	* Use Part No.
C-16174-01	D-16178-01 (White)
C-16174-02	D-16178-02 (Putty Grey)

NOTE: Item #10 motor harness to be connected as follows:
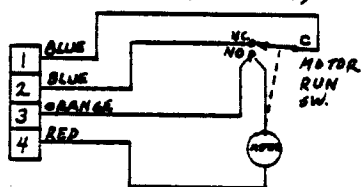
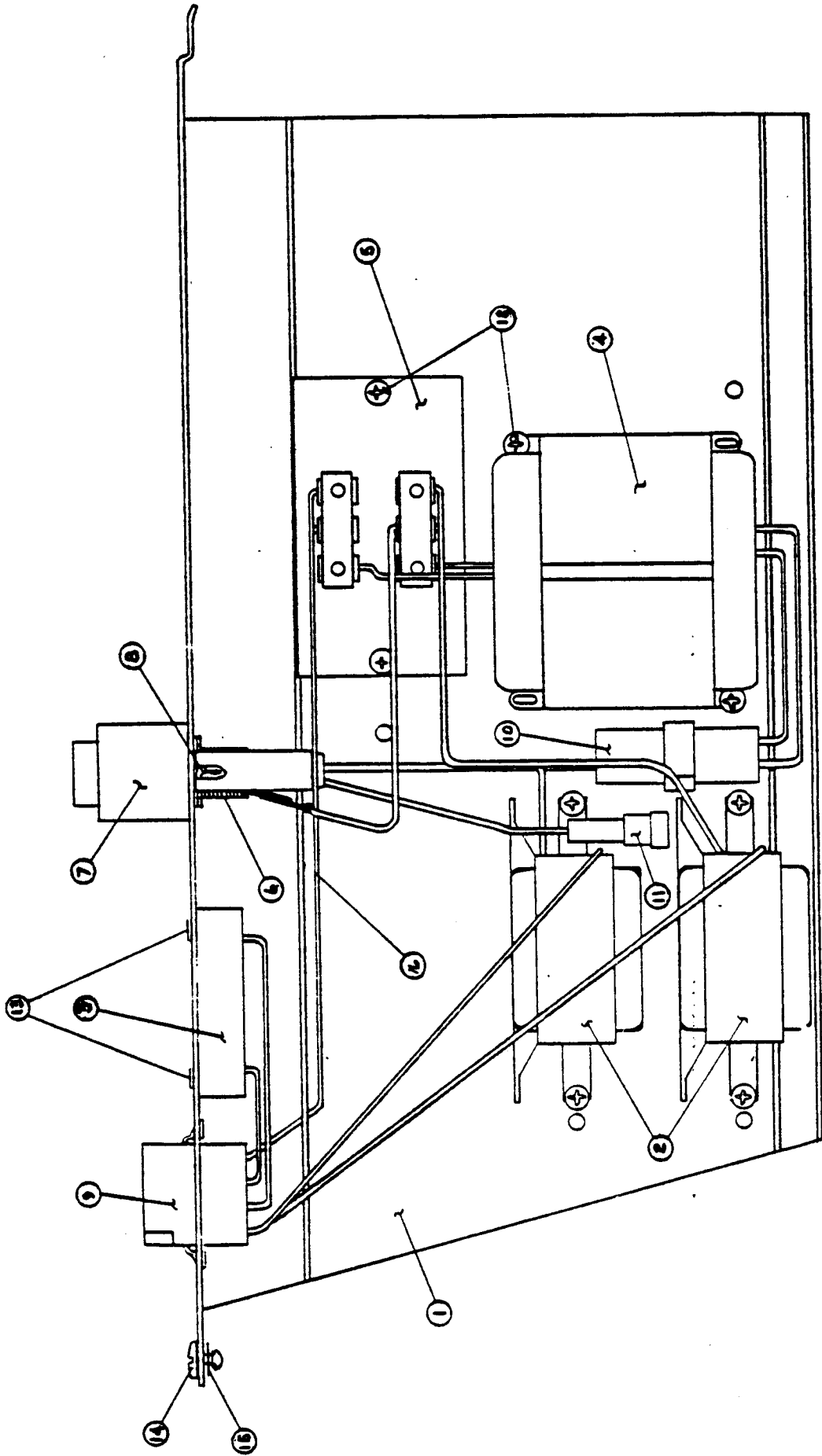| Pin	Wire Color	Connected To
3	Orange	2 Wires-One to Motor One to Switch N.O. Term
4	Red	A.C. Motor
1	Blue	Switch-Common Term
2	Blue	Switch-Normally Closed Term

MODULE WIRING (REF. ONLY)
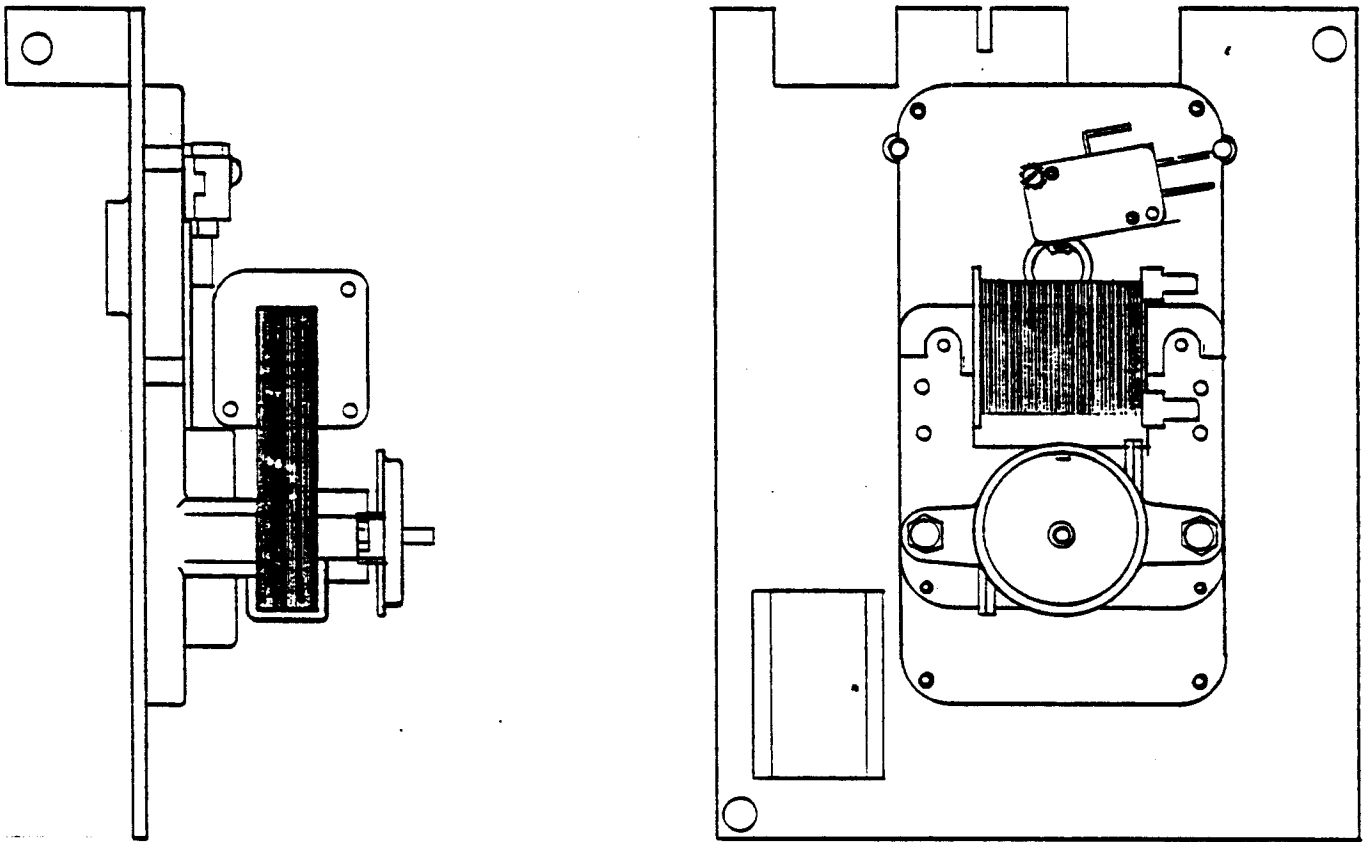
NEW STYLE H-22/H-30 MOTOR

PART NUMBER 16283

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PRESS HERE

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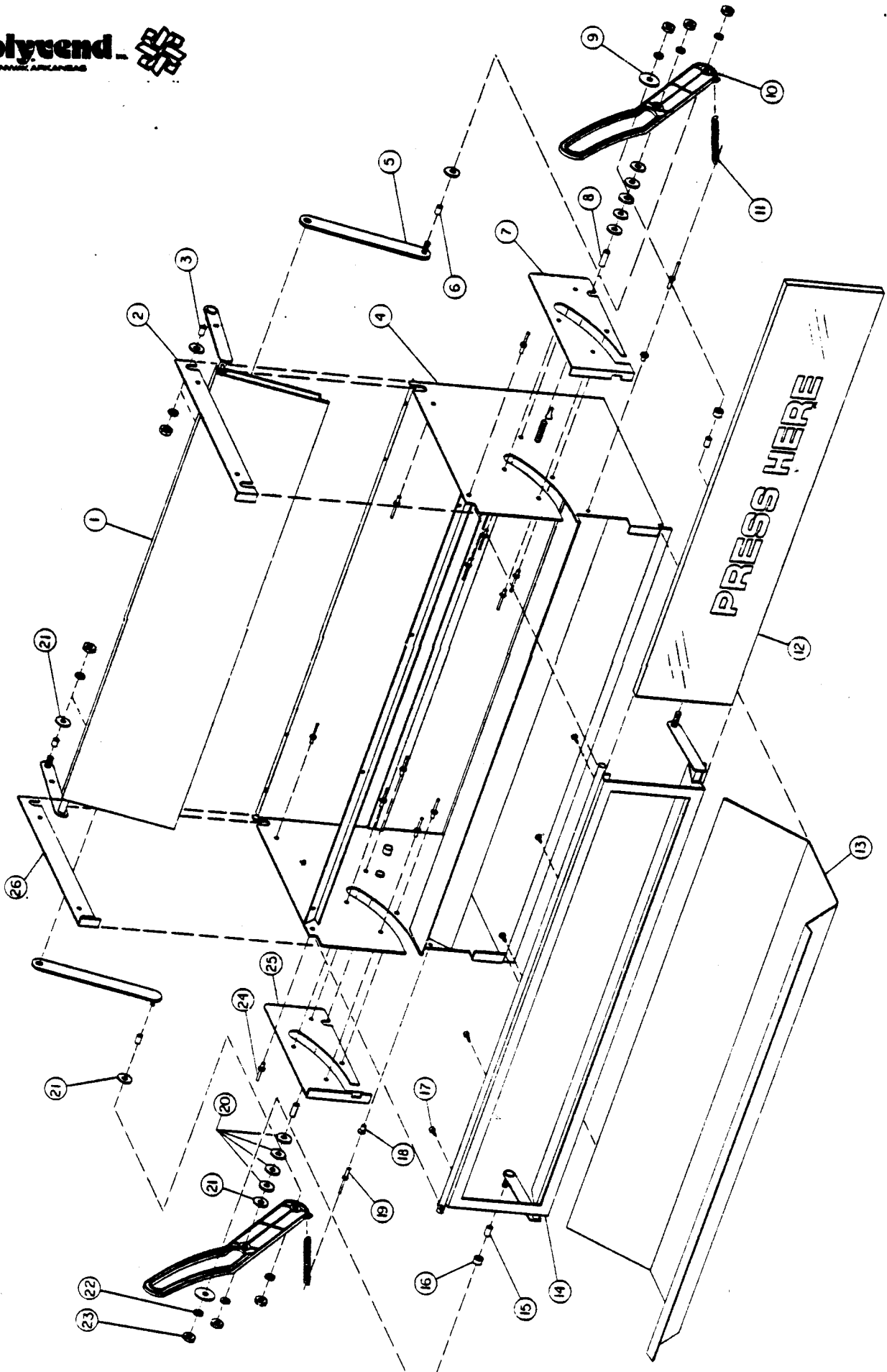
DELIVERY COMPARTMENT ASSEMBLY 16160

ITEM	PART NO.	QTY.	DESCRIPTION
1	16129-01	1	Door WA - Anti-Theft
2	16141-02	1	Retainer - Door Rod (Right)
3	16152-01	2	Bushing - Arm
4	16136-01	1	Compt. WA - Delivery
5	16139-01	2	Arm WA - Connecting
6	16152-02	2	Bushing - Arm
7	16142-02	1	Retainer Pivot Arm (Right)
8	16152-03	2	Bushing - Arm
9	16154	2	Washer - Flat
10	16143	2	Arm - Plastic, Del. Compt.
11	611	2	Spring -
12	16138-01	1	Door - Del.
13	16137	1	Bottom - False
14	16151-04	1	Door WA - Push
15	16153	2	Bushing - Bushing
16	14055	2	Bushing - Bronze
17	1298	5	Screw - TP AB Pan #2
18	1745	2	Spacer - Detent Spring
19	1642	2	Rivet - Pop
20	13398	8	Washer - 5/16 I.D. 3/4 O.D.
21	13412	6	Washer - 5/16 I.D. 3/4 O.D.
22	2386	8	Lock Washer - Split
23	2385	8	Nut - Hex
24	729	12	Rivet - Pop
25	16142-01	1	Retainer - Pivet Arm (Left)
26	16141-01	1	Retainer - Door Rod (Left)

Power Panel Complete C-12693

Item	Qty.	Part No.	Description
1	1	12706-01	Panel-Power
2	2	104	Ballast-115 Volt
3	2	1466	Socket-Starter
4	1	1565	Transformer with receptacle
5	1	1652	Board-Terminal
6	1	996	Fuseholder-115 Volt
7	1	1487	Fuseholder-24 Volt
8	1	1489	Clip-Mounting
9	2	4839	Receptacle-4 pin
10	1	4844	Plug-2 pin
11	1	4842	Plug-1 pin
12	8	1298	Screw
13	4	302	Screw
14	1	12667	Fastener-¼ turn
15	1	12668	Retainer-Fastener
*	8		Female Term.
*	2		Male Term.
*	8		.250 Quick Dis-connect
*	1	12671	Decal-Starter
*	1	12672	Decal-Fuse
16	Typ.		(Red) 20 AWG 7/28 B.C. .023 SAE-GBT
*	1	222	Fuse 2 Amp (115V Holder)
*	1	1488	Fuse 3.2 Amp (24 Volt Holder)

Wiring Sketch ITEMS 2,3,4,5,6,7,9,10,11

Item No.	Description
16234-00	Changer M-300
16292	Decal Selection Numbers
16230-01	Deflection L.H.
16281-01	Display Bottom
13063-01	Escutcheon Plate
16078	Harness-Jones Plug
12838	Harness-Sub Main
16289	Harness-Main Motor
16312	Harness-Selector Switch
16290-01	Motor Board
16174-00	Motor
16283	Motor (new style)
16325	P.C. Board Assembly (relay)
16258-01	Panel R.H. Inner
12839	Selector Switch
16296	Service Door