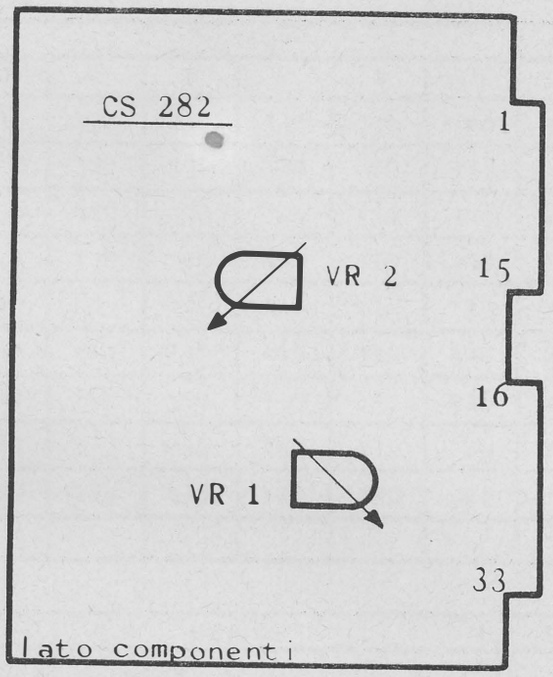
MODEL mr® RACING® SPA

Coopergraf viale C. Colombo 48 tel. 894202 - Ancona

SERVICE INSTRUCTIONS AND PARTS CATALOG

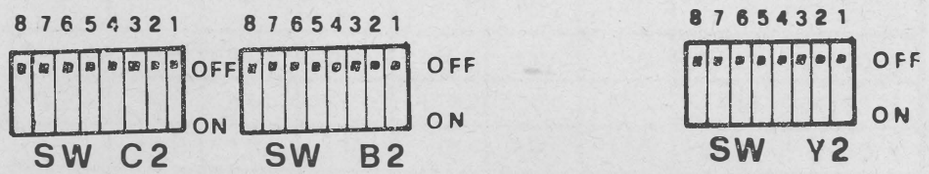
REGOLAZIONE TRIMMER DELL'ALIMENTATORE



VR1 = REGOLAZIONE IMPULSO DI RESET

VR2 = REGOLAZIONE TENSIONE +5Vcc

COUNTER DRIVE



MEF00285

Lato componenti

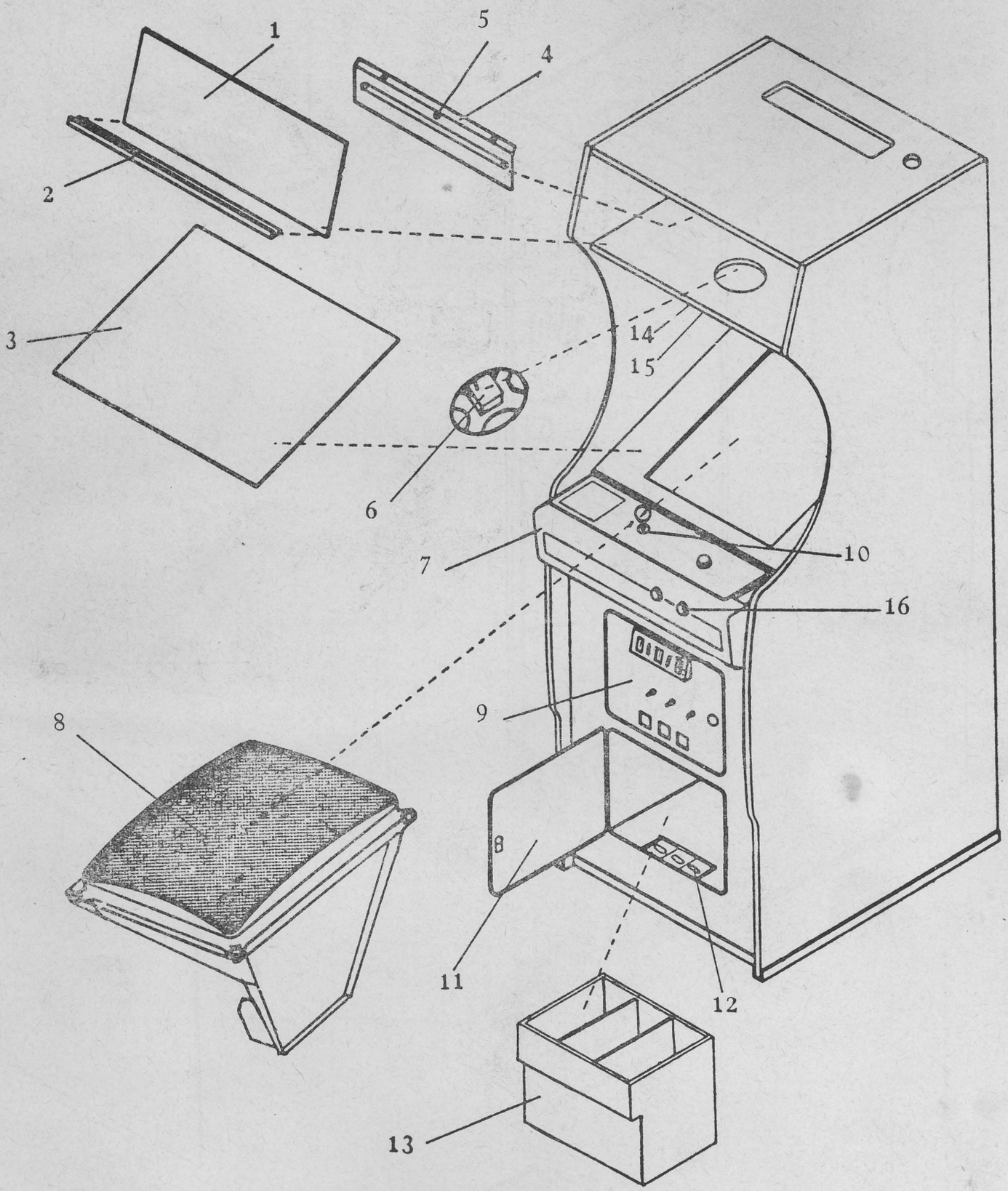
REGOLAZIONI DIP SWITCH CON 3 GETTONIERE CS 285
DIP SWITCH ADJUSTMENTS ON CREDIT BOARD CS 285

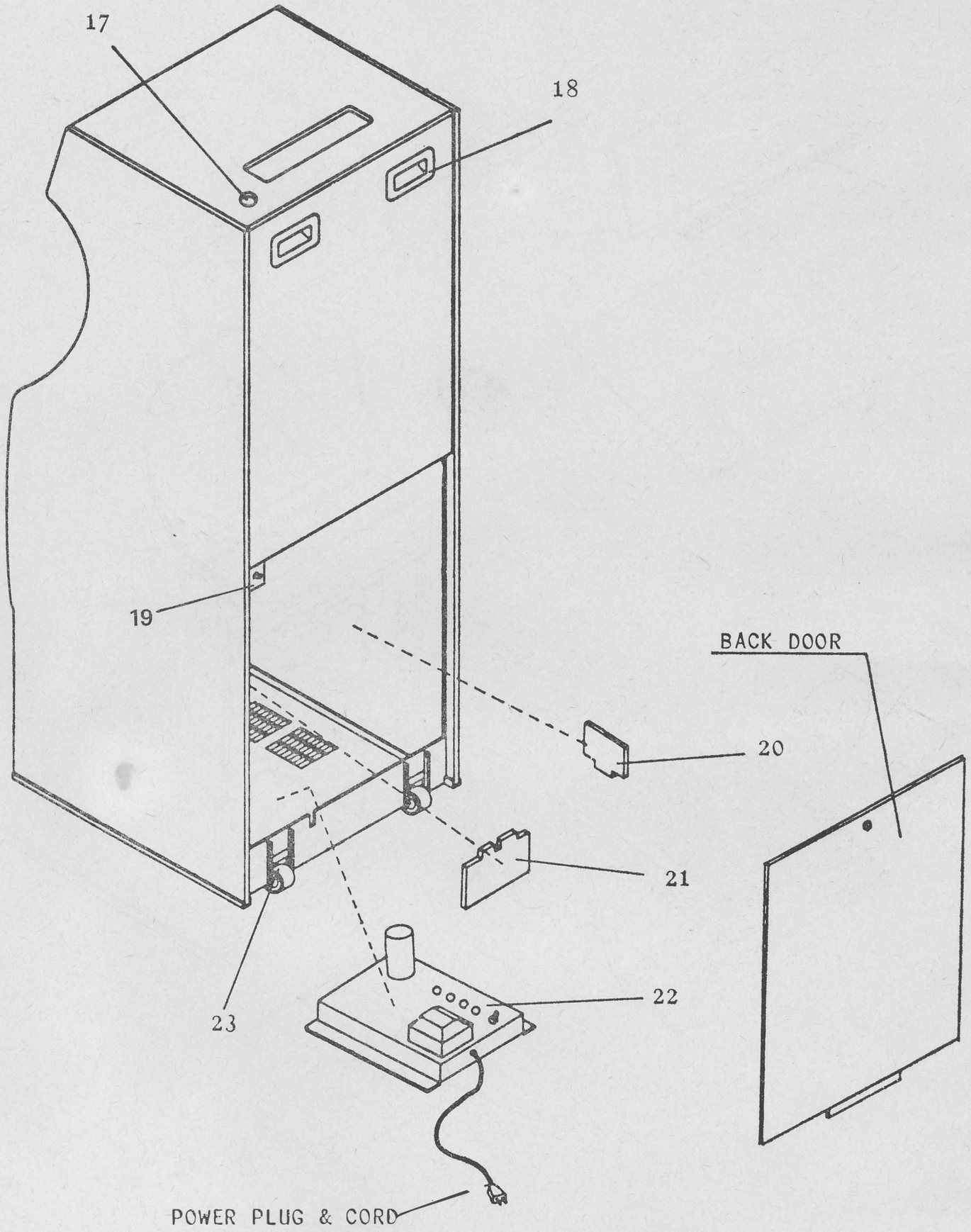
N.B. LA SELEZIONE VA EFFETTUATA SEMPRE A MACCHINA SPENTA.
B.S. BEFORE ADJUSTMENT TURN MACHINE OFF.

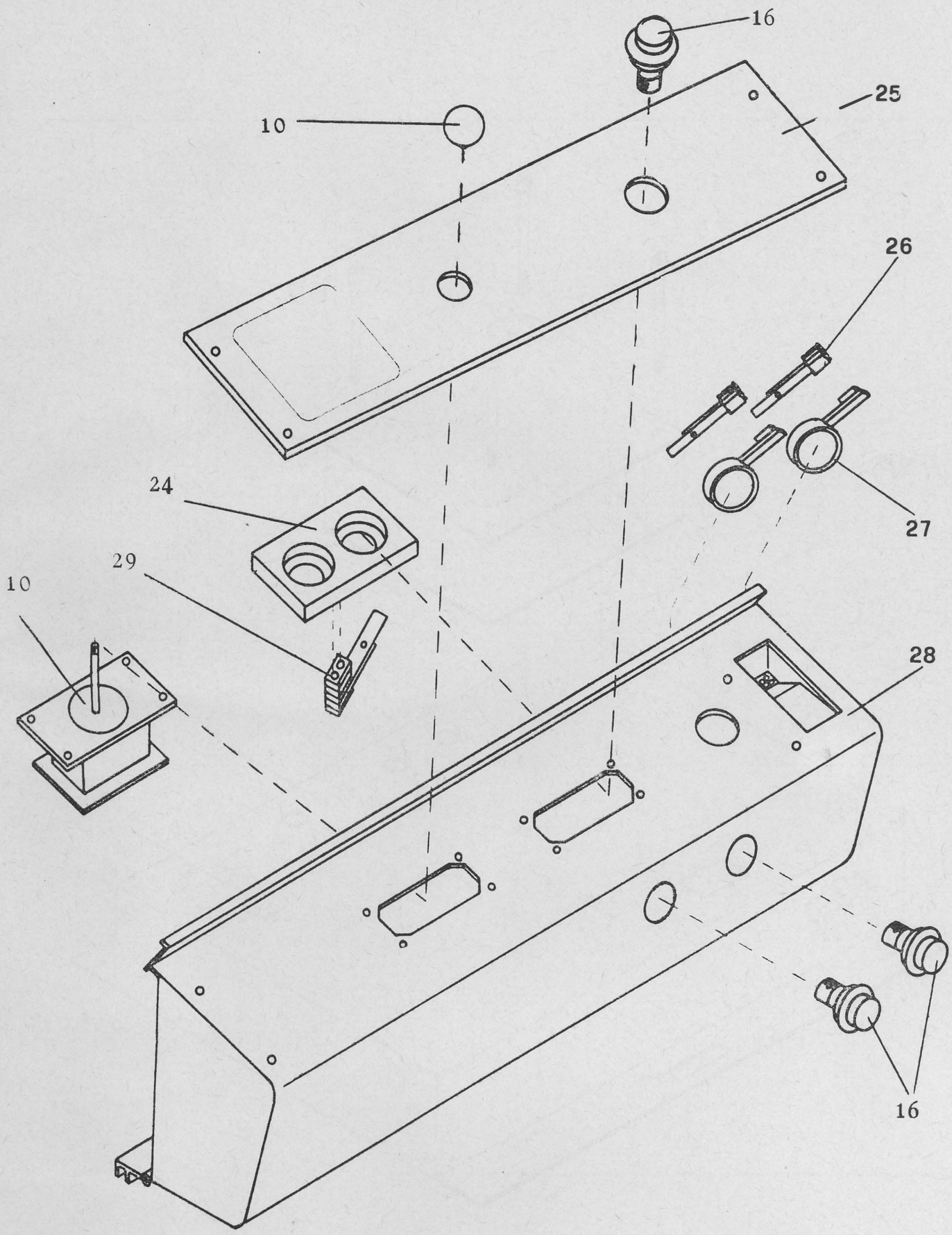
GETTONIERA 1	SWITCH C2							
	1	2	3	4	5	6	7	8
1 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 2 PLAY	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 3 PLAY	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
1 COIN 4 PLAY	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
1 COIN 5 PLAY	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
1 COIN 6 PLAY	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
1 COIN 7 PLAY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
2 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF

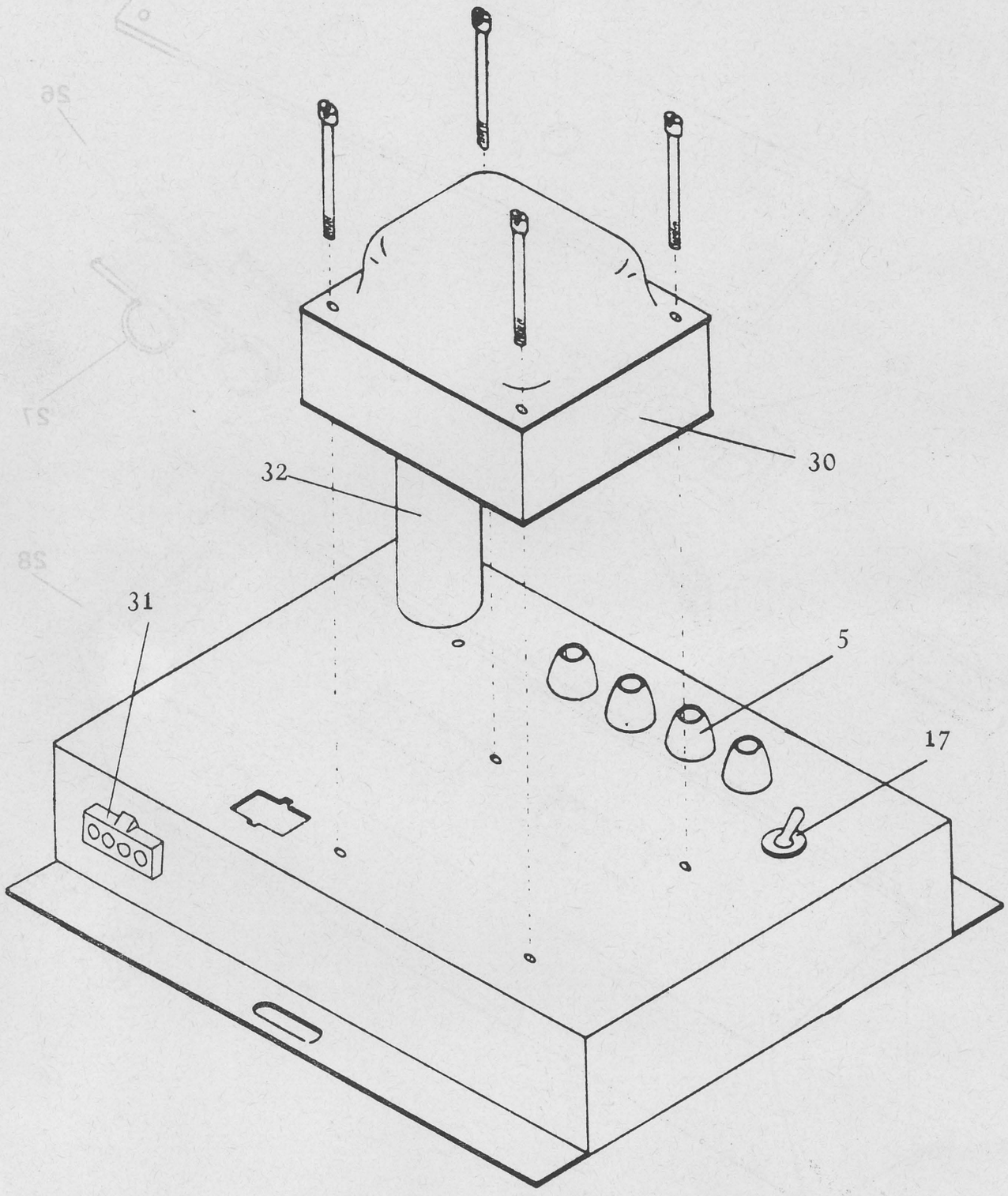
GETTONIERA 2	SWITCH B2							
	1	2	3	4	5	6	7	8
1 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 2 PLAY	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 3 PLAY	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
1 COIN 4 PLAY	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
1 COIN 5 PLAY	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
1 COIN 6 PLAY	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
1 COIN 7 PLAY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
2 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF

GETTONIERA 3	SWITCH Y2							
	1	2	3	4	5	6	7	8
1 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 2 PLAY	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 3 PLAY	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
1 COIN 4 PLAY	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
1 COIN 5 PLAY	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
1 COIN 6 PLAY	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
1 COIN 7 PLAY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
2 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3 COIN 1 PLAY	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF

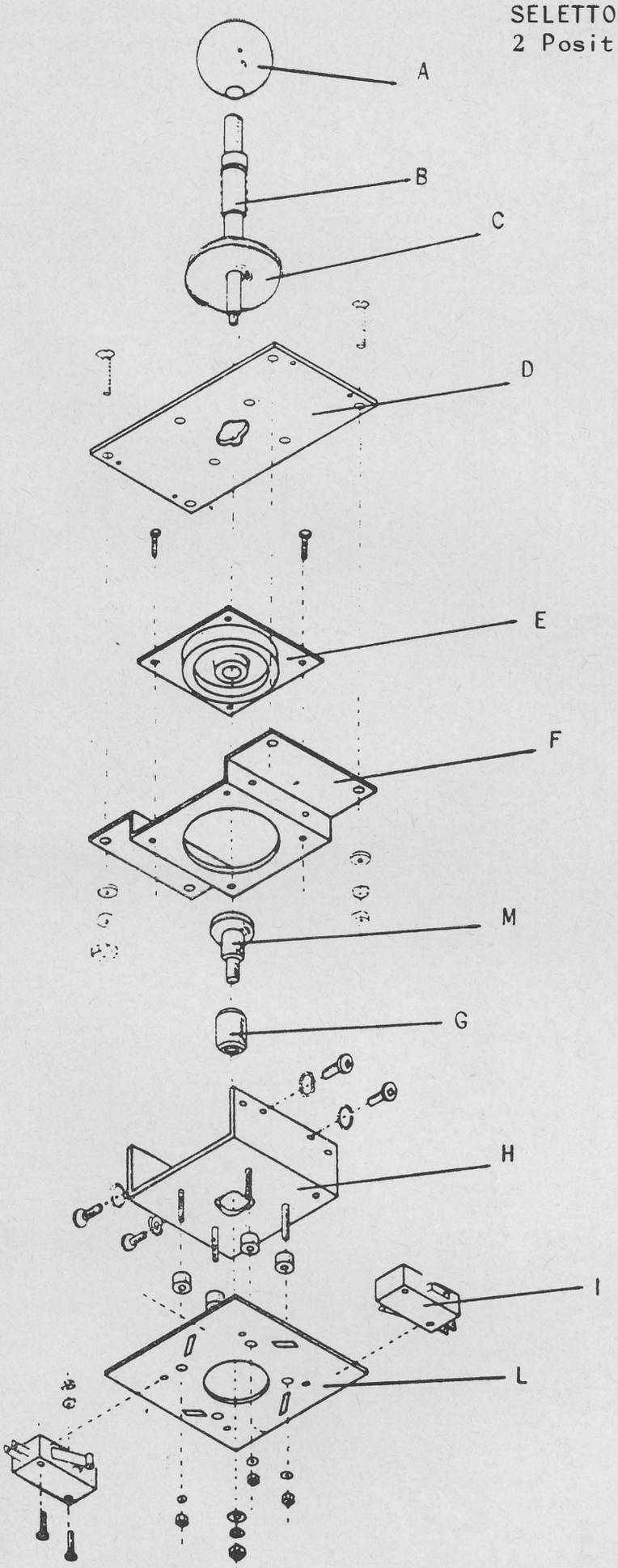

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17
18
19
BACK DOOR
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23
POWER PLUG & CORD

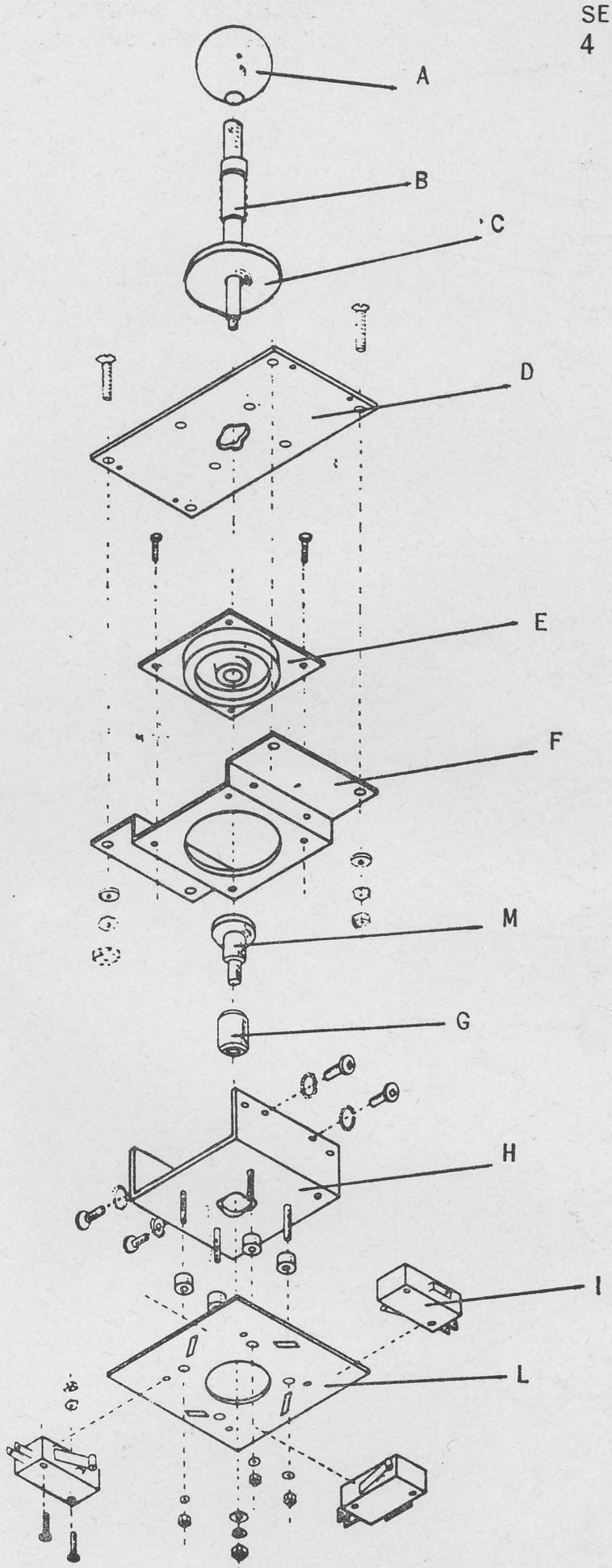

16
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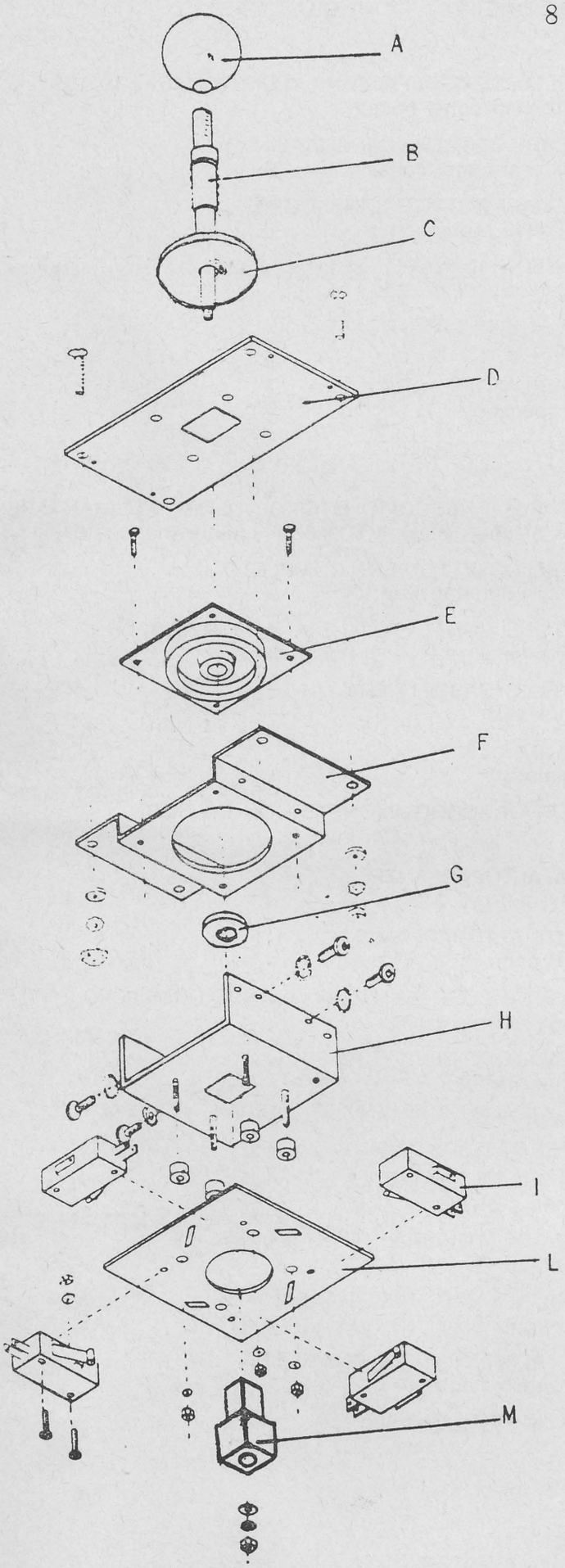
SELETTORE 2 POSIZIONI
2 Positions Selector



SELETTORE 4 POSIZIONI
4 Positons Selector



SELETTORE 8 POSIZIONI
8 Positions Selector



N.	CODICE COD.	DESCRIZIONE REF.
1	MVQ02036	PANNELLO SERIGRAFATO INS. LUMINOSA Silk screened panel holder
2	MMA00AL4	ANGOLARE BLOCCA INSEGNA Angular sign panel holder
3	MVL00002	CRISTALLO PROTEGGI CINESCOPIO Cristal glass protection
4	MTK01000	TUBO NEON 15 WATT 15 watt fluorescent lamp
5	MTB00102	PORTA FUSIBILE VERTICALE Vertical fuse
6	MEA00000	ALTOPARLANTE 8 OHM 8 ohm speaker
7		CRUSCOTTO COMPLETO Complete ass'y
8	4803	MONITOR E CINESCOPIO MTC900 COLORE 20'' (HANTAREX) Monitor e tube picture MTC900 20'' colore (hantarex)
9	480102	SPORTELLO GETTONIERA COMPLETO Complete coin slot door
10		SELETTORE COMPLETO A 2, 4, 8, POSIZIONI Complete selector 2, 4, 8, Positions
11		SPORTELLO CASSETTIERA Cash box door
12		CONTA IMPULSI Coin meter
13		CASSETTA RACCOGLIMONETE CON DIVISORI
14	MMA02R01	RETINA ALTOPARLANTE Speaker unit art. 312
15	MME01005	CORNICE ALTOPARLANTE Speaker unit
16	480703	PULSANTE ROSSO IN NYLON GRANDE COMPLETO Complete big red button
17	MTC00007	INTERRUTTORE DEVIATORE Deflecting switch
18	MME01M00	MANIGLIA Handle
19	MTC00009	DEVIATORE DI SICUREZZA Deflecting switch
20		PIASTRA GETTONIERA TRIPLA CS 285 Credit board CS 285
21	480403	PIASTRA ALIMENTATORE CS 282 Power supply board CS 282
22	5202	TELAIO ALIMENTATORE COMPLETO Power supply ass'y
23	MME01R01	RUOTA IN PVC x MOBILE U.R.

N.	CODICE COD.	DESCRIZIONE REF.
24	MME01P11	PORTALAMELLE DOPPIO
25		PANNELLO SERIGRAFATO x CRUSCOTTO Silk screen panel for ass'y
26		LAMELLE DI CONTATTO MOD. 3
27	MME01P12	PORTALAMELLE SINGOLO
28	MMA02C14	CRUSCOTTO NUDO IN FERRO
29		LAMELLE DI CONTATTO MOD. 5
30	MTI01035	TRASFORMATORE T 550 Trasformer T 550
31	MET04107	CONNETTORE AMP 4 POSTI 4 AMP connector
32		CONDENSATORE 22.000mF/16 VOLT Capacitor 22.000mF/16 volt

PER SELETTORE A 2 POSIZIONI

For 2 positions selector

A	MME01S00	SFERA COLORE NERO
B	MMB00L02	LEVA SELETTORE
C	MMA00R01	RONDELLA IN ALLUMINIO
D		SUPPORTO x 2 MOVIMENTI
E	MMI00A00	AMMORTIZZATORE IN GOMMA
F	MMA00S20	SUPPORTO AMMORTIZZATORE
G	MMB00B04	BOCCOLA x INSERTO
H	MMA00S38	SUPPORTO x PIASTRA PORTAMICRO
I	MTE00012	MICRO 715539
L	MMA00P06	PIASTRA PORTAMICRO
M	MMB00I02	INSERTO x SELETTORE

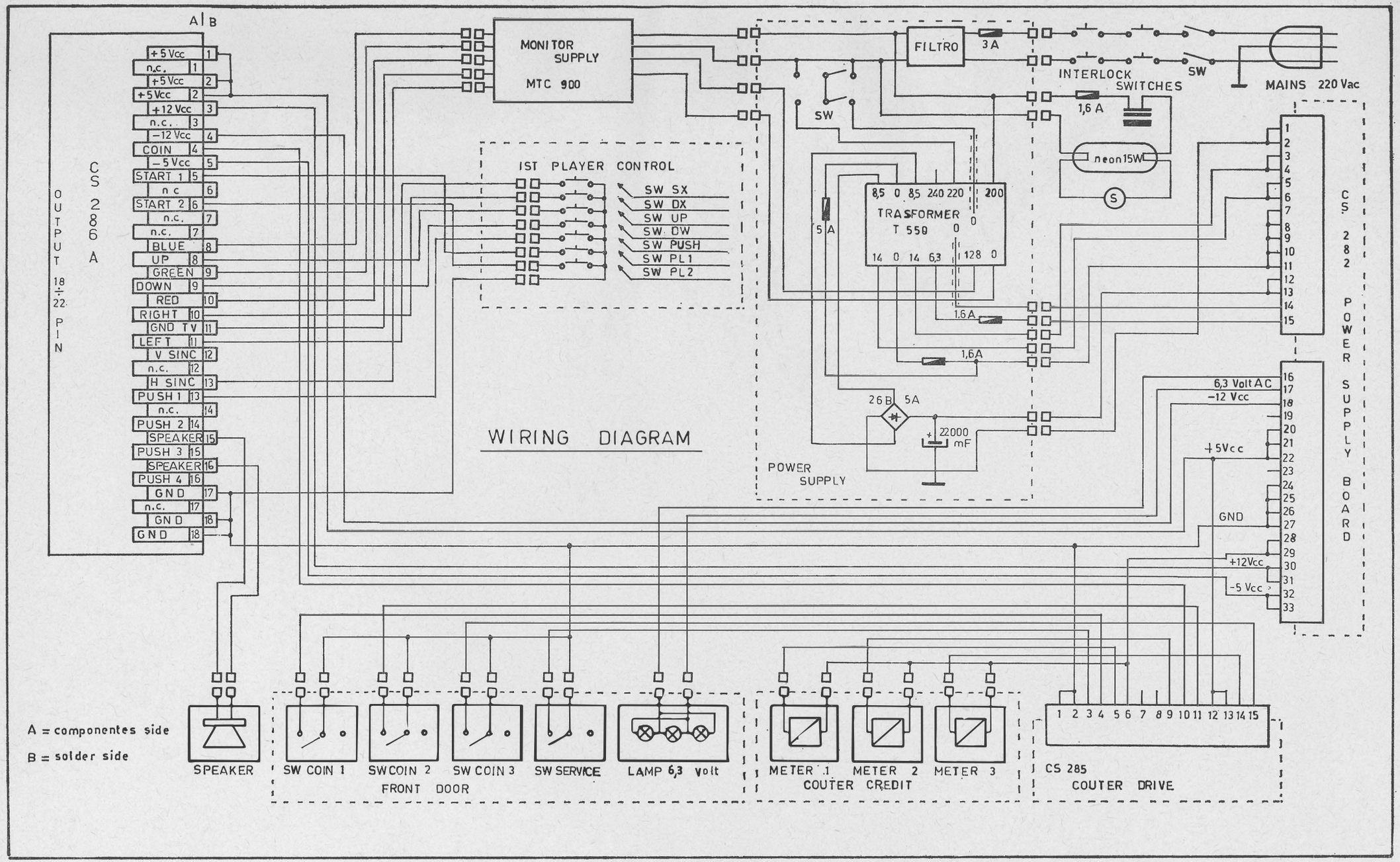
N.	CODICE COD.	DESCRIZIONE REF.

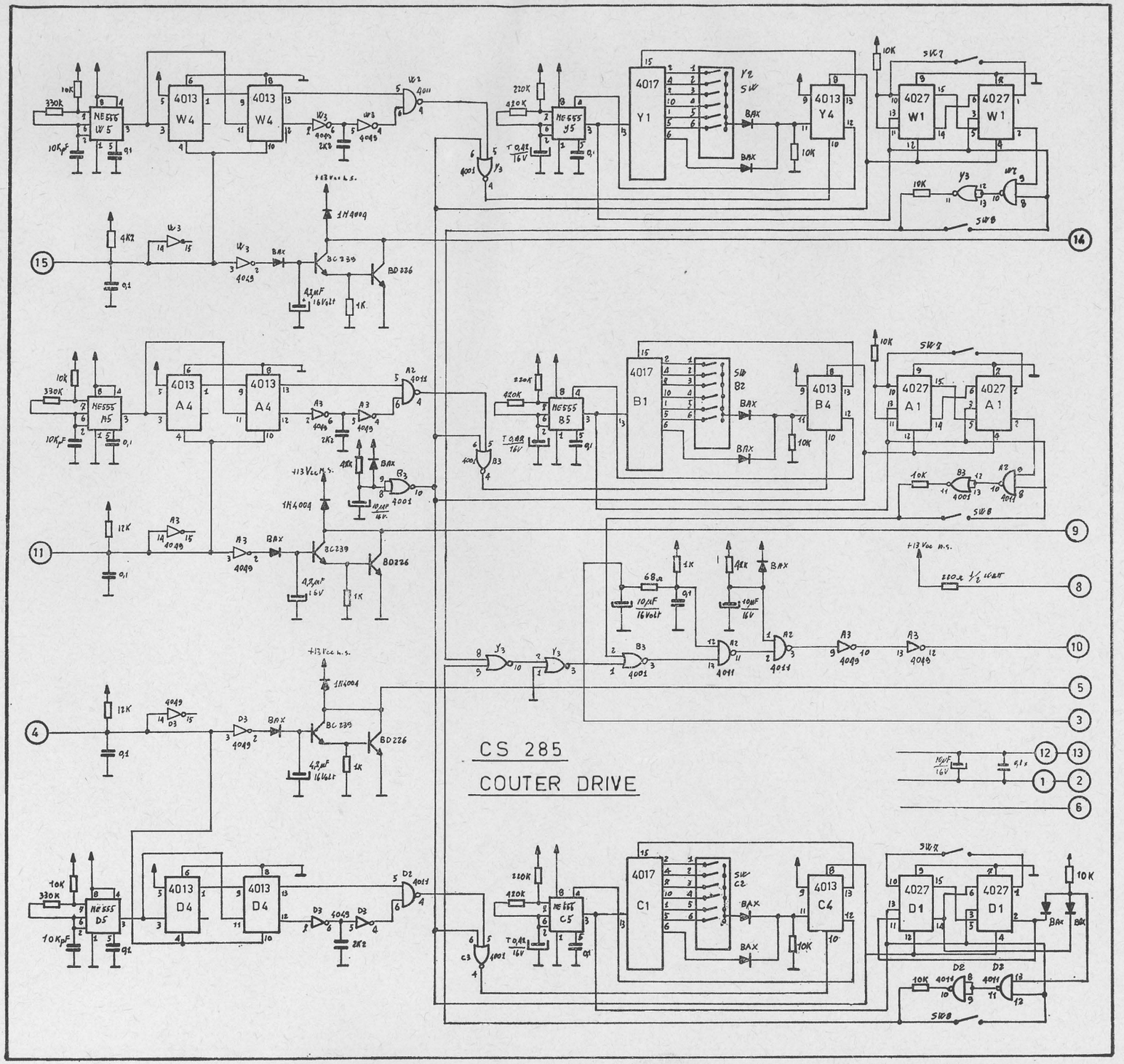
PER SELETTORE A 4 POSIZIONI
For 4 positions selector

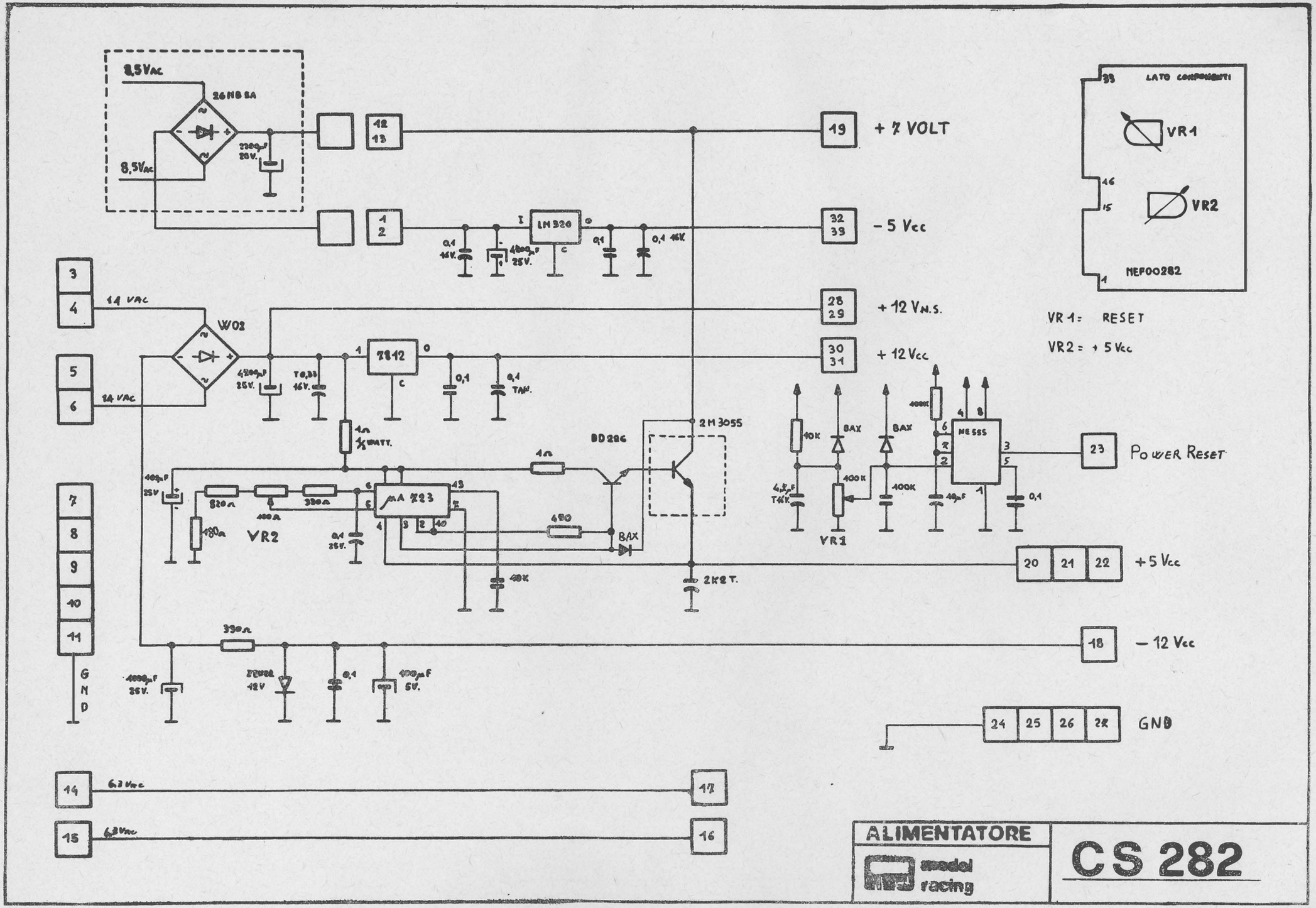
A	MME01S00	SFERA COLORE NERO
B	MMB00L02	LEVA SELETTORE
C	MMA00R01	RONDELLA IN ALLUMINIO
D	MMA00S17	SUPPORTO x 4 MOVIMENTI
E	MMI00A00	AMMORTIZZATORE IN GOMMA
F	MMA00S20	SUPPORTO AMMORTIZZATORE
G	MMB00B04	BOCCOLA x INSERTO
H	MMA00S38	SUPPORTO x PIASTRA PORTAMICRO
I	MTE00012	MICRO 715539
L	MMA00P06	PIASTRA PORTAMICRO
M	MMB00I02	INSERTO x SELETTORE

PER SELETTORE A 8 POSIZIONI
For 8 positions selector

A	MME01S00	SFERA COLORE NERO
B	MMB00L02	LEVA SELETTORE
C	MMA00R01	RONDELLA IN ALLUMINIO
D	MMA00S37	SUPPORTO x 8 MOVIMENTI
E	MMI00A00	AMMORTIZZATORE IN GOMMA
F	MMA00S20	SUPPORTO AMMORTIZZATORE
G	MMR01104	RONDELLA BISELLATA 6 x 18
H	MMA00S38	SUPPORTO x PIASTRA PORTAMICRO
I	MTE00012	MICRO 715539
L	MMA00P06	PIASTRA PORTAMICRO
M	MMB00I01	INSERTO QUADRO PER SELETTORE


A B
OUTPUT 18 ÷ 22 PIN
CS 286 A
+5 Vcc 1
n.c. 1
+5 Vcc 2
+5 Vcc 2
+12 Vcc 3
n.c. 3
−12 Vcc 4
COIN 4
−5 Vcc 5
START 1 5
n c 6
START 2 6
n.c. 7
n.c. 7
BLUE 8
UP 8
GREEN 9
DOWN 9
RED 10
RIGHT 10
GND TV 11
LEFT 11
V SINC 12
n.c. 12
H SINC 13
PUSH 1 13
n.c. 14
PUSH 2 14
SPEAKER 15
PUSH 3 15
SPEAKER 16
PUSH 4 16
GND 17
n.c. 17
GND 18
GND 18
MONITOR SUPPLY
MTC 900
IST PLAYER CONTROL
SW SX
SW DX
SW UP
SW DW
SW PUSH
SW PL1
SW PL2
WIRING DIAGRAM
FILTRO
3 A
INTERLOCK SWITCHES
SW
MAINS 220 Vac
SW
1,6 A
neon 15W
S
8,5 0 8,5 240 220 200
TRASFORMER
T 550
0
14 0 14 6,3 128 0
5 A
1,6 A
1,6 A
26 B 5A
22000 mF
POWER SUPPLY
CS 282 POWER SUPPLY BOARD
6,3 Volt AC
−12 Vcc
+5Vcc
GND
+12Vcc
-5 Vcc
A = componentes side
B = solder side
SPEAKER
SW COIN 1
SW COIN 2
SW COIN 3
SW SERVICE
LAMP 6,3 Volt
FRONT DOOR
METER 1
METER 2
METER 3
COUTER CREDIT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
CS 285
COUTER DRIVE


CS 285
COUTER DRIVE
NE555
4013
4017
4027
4011
4001
4049
BC239
BD226
BAX
+13 Vcc n.s.
14
15
9
11
8
10
5
3
4
12
13
1
2
6


8,5 VAC
26 MB 5A
8,5 VAC
7200 µF 25 V.
12
13
1
2
LM 320
0,1 16 V.
4800 µF 25 V.
0,1
0,1 16 V.
19
+ 7 VOLT
32
33
- 5 Vcc
3
4
14 VAC
W02
5
6
14 VAC
4700 µF 25 V.
T0,33 16 V.
7812
0,1
0,1 TAN.
28
29
+ 12 V N.S.
30
31
+ 12 Vcc
1 Ω ½ WATT.
BD 296
2 N 3055
4 Ω
7
8
9
10
11
G N D
400 µF 25 V.
820 Ω
400 Ω
330 Ω
µA 723
VR2
180 Ω
0,1 25 V.
480
BAX
40 K
2K2 T.
10 K
BAX
BAX
400 K
NE 555
100 K
4,5 µF T 16 V.
400 K
VR1
40 µF
0,1
23
POWER RESET
20
21
22
+ 5 Vcc
330 Ω
4000 µF 25 V.
ZENER 12 V
0,1
1000 µF 6 V.
18
- 12 Vcc
24
25
26
28
GND
14
6,3 Vac
17
15
6,3 Vac
16
33
LATO COMPONENTI
VR1
16
15
VR2
1
NEF00282
VR 1 = RESET
VR 2 = + 5 Vcc
ALIMENTATORE
model racing
CS 282