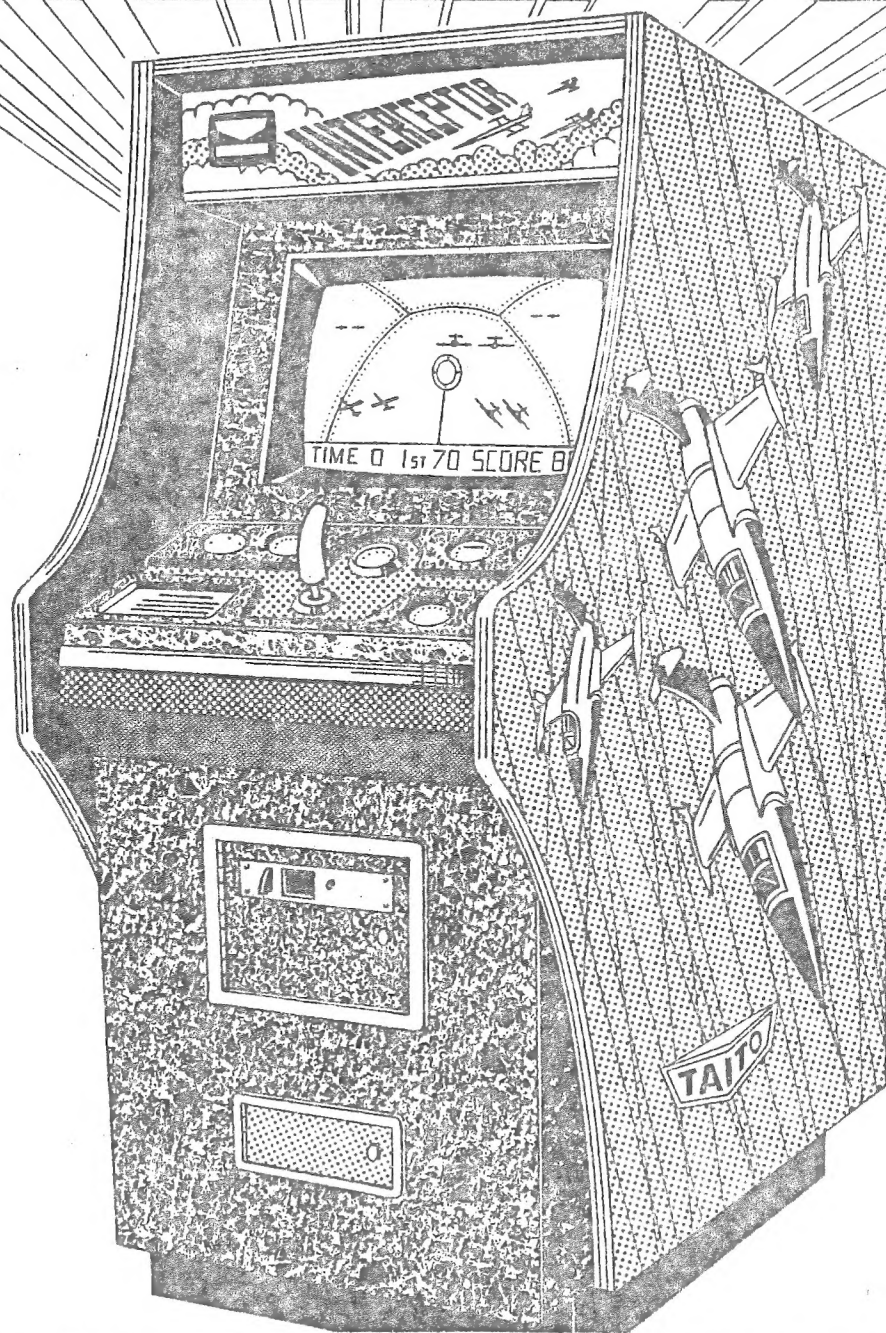


INTERCEPTOR

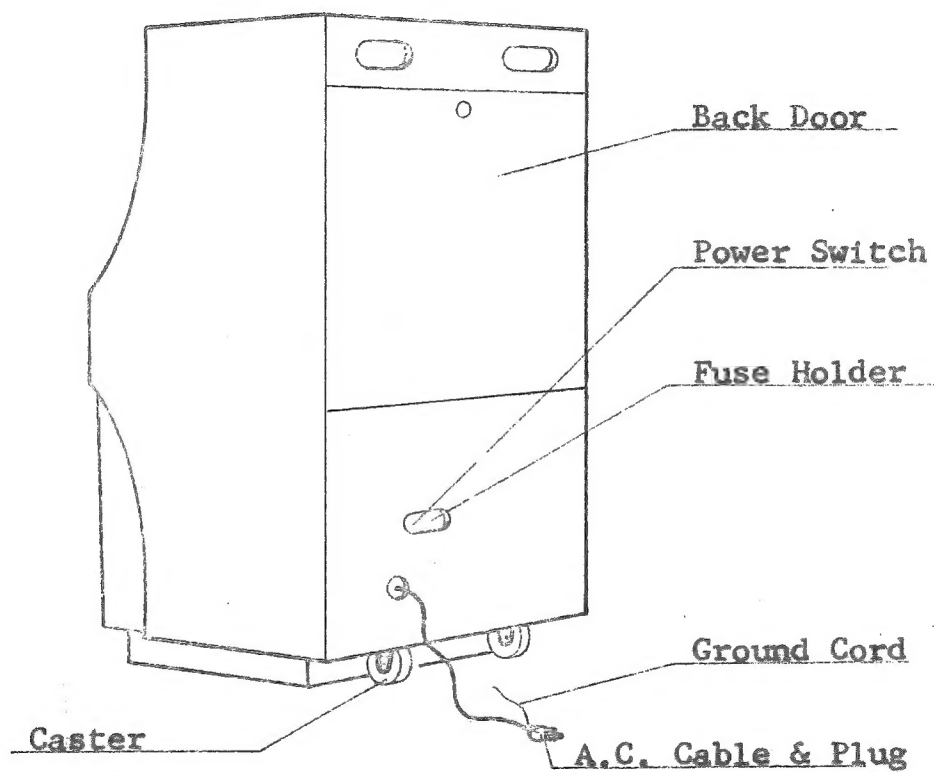
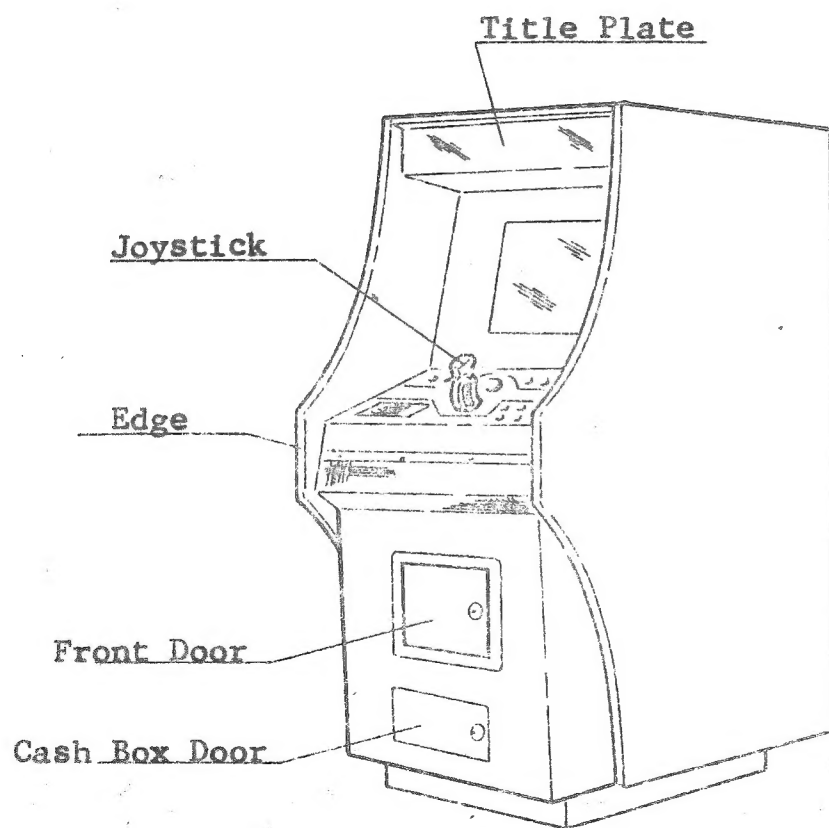


SERVICE INSTRUCTIONS AND PARTS CATALOG



TAITO CORPORATION

CR070024



1. Transportation and Installation

- Avoid rough handling during transportation; the picture tube is fragile.
- Avoid installation in location with exposure to direct sunlight or excessive heat to avoid damage from high internal temperatures.
- Connect ground cord.
- Connect power plug prior to switching on.

Note:

- Erroneous or partial scores may appear when the machine is first switched on. This is typical of solid-state circuitry and will correct itself automatically when the first game is started.

Warning:

- Taito INTERCEPTOR uses the latest solid-state circuitry for long life, however, as with all sophisticated electronic equipment certain precautions must be observed to prevent damage:
 - (1) Do not attempt to service with ordinary test equipment or the internal voltage of the test equipment may cause damage of ICs.
 - (2) Assure proper ventilation. Do not expose to temperatures above 60°C.
 - (3) Do not connect or disconnect any internal receptacles without first switching off the power.

2. Playing Instructions

- One or two player game.
- Play pricing: 1 coin - 1 play, 2 coins - 2 plays.
- The first play is started by inserting the first coin. When a coin is inserted, the scores reset to 00, and the game time resets to 90 and begins counting down.
- The credit for the second play is established by inserting the second coin. When the credit is established, the credit lamp on the front panel will be turned on. After finished the first play, push the lit credit button to start the second play.
- Take aim at enemy plane by controlling the joystick, and push the button on the joystick to fire the machine gun.
- If you hit an enemy plane; it will explode giving a point to you.
- The enemy planes will be moved by pushing the joystick as follows:

Joystick

to the right
to the left
to your side
forward

Enemy Planes

to the left
to the right
downward
upward

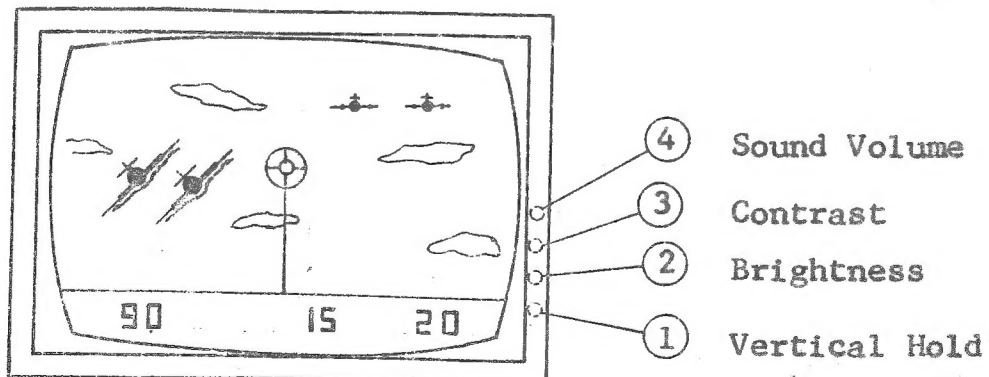
Clouds are also moved similarly on the screen.

- There are three kinds of enemy planes. In total, six enemy planes will appear repeatedly on the screen, and they fly in a two-plane formation. The flying direction of a formation differs from others, and it also varies with score.
- Playing time will be extended whenever score reaches 20, 44, 60, and 80 points. When the playing time extended, the game time resets to 90 and begins counting down faster than before.

3. Adjustment

Adjustment for TV monitor

- TV monitor is duly adjusted before shipping, however, if necessary, readjust as follows:



Adjustment for sound volume:

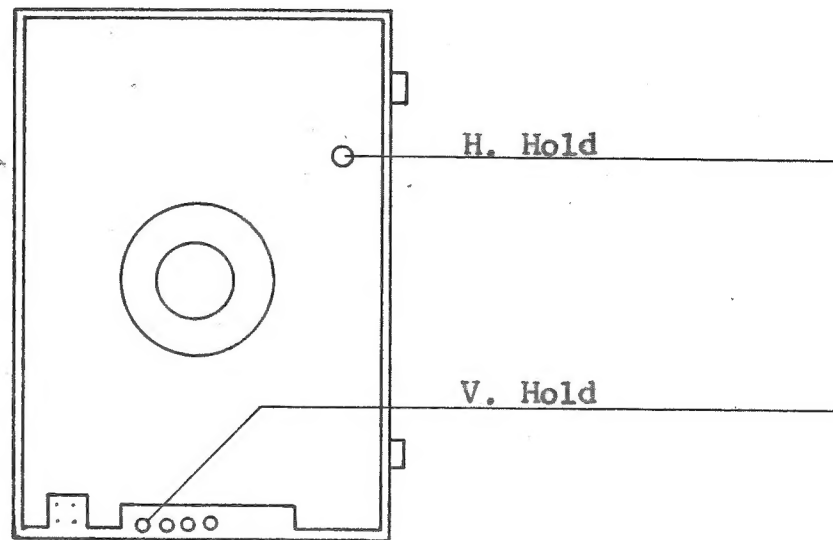
Adjust the control (4) so as to match the sound with the location.

Adjustment for screen brightness:

Turn the control (2) clockwise to the maximum, then, return it a little.

Adjustment for screen contrast:

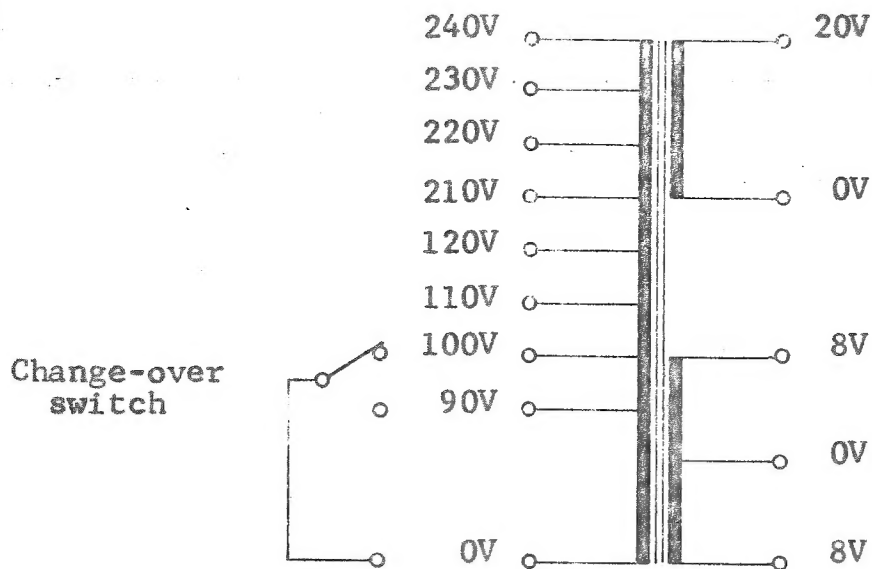
When the contrast is intensified, the lower side of the enemy planes will be distorted as shown above. Therefore, adjust the control (3) so as to keep the figure of the enemy planes clear.



- When the picture on the screen rolls vertically or oblique lines appear on the screen, adjust it by turning the control knobs shown above.
 - (1) When the picture on the screen rolls vertically, adjust it by turning V. Hold control knob so that the picture-roll stops on the screen correctly.
 - (2) When the sight gets out of position, or oblique lines appear on the screen, adjust it by turning the H. Hold control knob, so that the sight will be in the center of the screen.

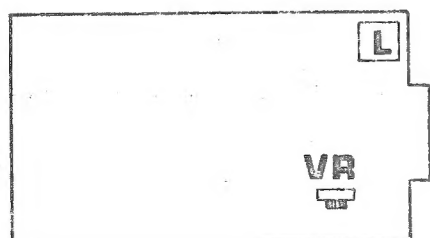
- When the voltage of the power source is low, screen images will flicker. In such case, the width of the screen is also shrunken.

Adjustment: Change the terminal of the power transformer in the cabinet basing on the actual supply voltage. (This can be done by changing the position of the change-over switch shown below.)



Adjustment for Game Time:

- The game time is pre-set at about 95 seconds. This can be adjusted from 75 to 115 seconds by turning the potentiometer (VR) on the Main P.C. Board (L). The adjustment for game time must be made after switching off the main switch.



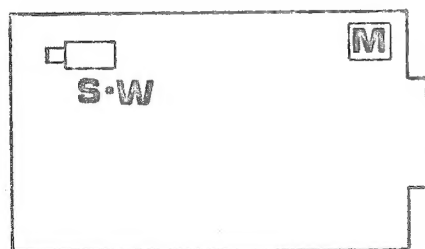
The time
becomes
shorter.



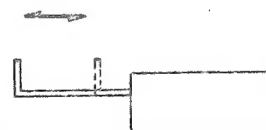
The time
becomes
longer.

Directions for Use of Timer Test Switch:

- Playing time will be extended whenever score reaches 20, 44, 60, and 80 points. If the playing time is not extended when the score reaches said points, check it with the timer test switch.
- To test whether the playing time is extended when the score reaches 20 points, push the push-lever of the timer test switch on the target P.C. Board (M) twenty times within the game time counts down to 00. Then, check the game time to see that it can be properly extended.
- Make sure that the game time can be extended when the score reaches 44, 60, and 80 points by using the same procedure as described above.
- If the game time cannot be extended in this checking, the defect will be found in the Main P.C. Board (L). Therefore, check the Main P.C. Board (L).



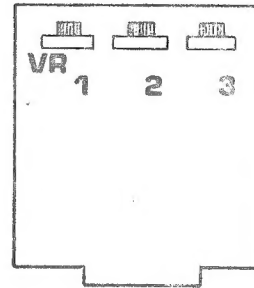
Push Lever



Timer Test Switch

Adjustment for Sound Board:

- Sound Board is mounted on the chassis located on the bottom of the cabinet.
- The adjustment for the sound volume controls VR1, VR2, and VR3 are factory set and locked.



4. Mechanisms

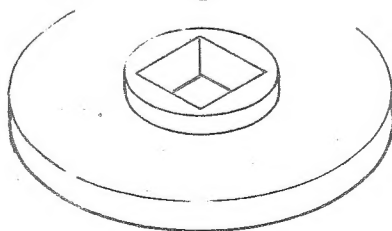
Joystick Control

- Enemy planes can be moved up, down, right, and left by controlling the joystick.

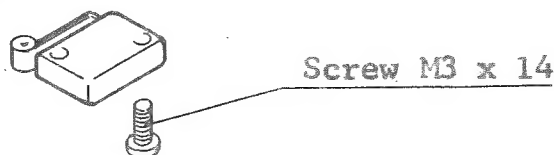
If the enemy planes cannot be moved when the joystick is controlled, the defect will be found in the microswitches located under the joystick. Check them.

Replacement of Microswitch:

- (1) Remove two screws (M3 x 14).
- (2) Unsolder the wiring.



- (3) Replace the malfunctioning microswitch with new one.



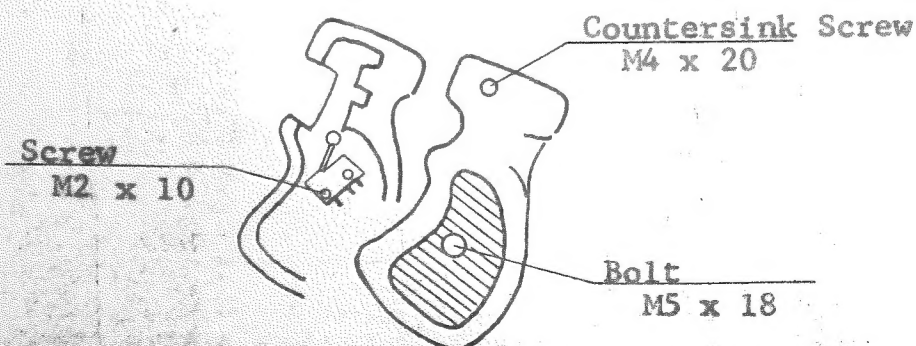
Trigger

- The trigger is pressed to fire the machine gun.

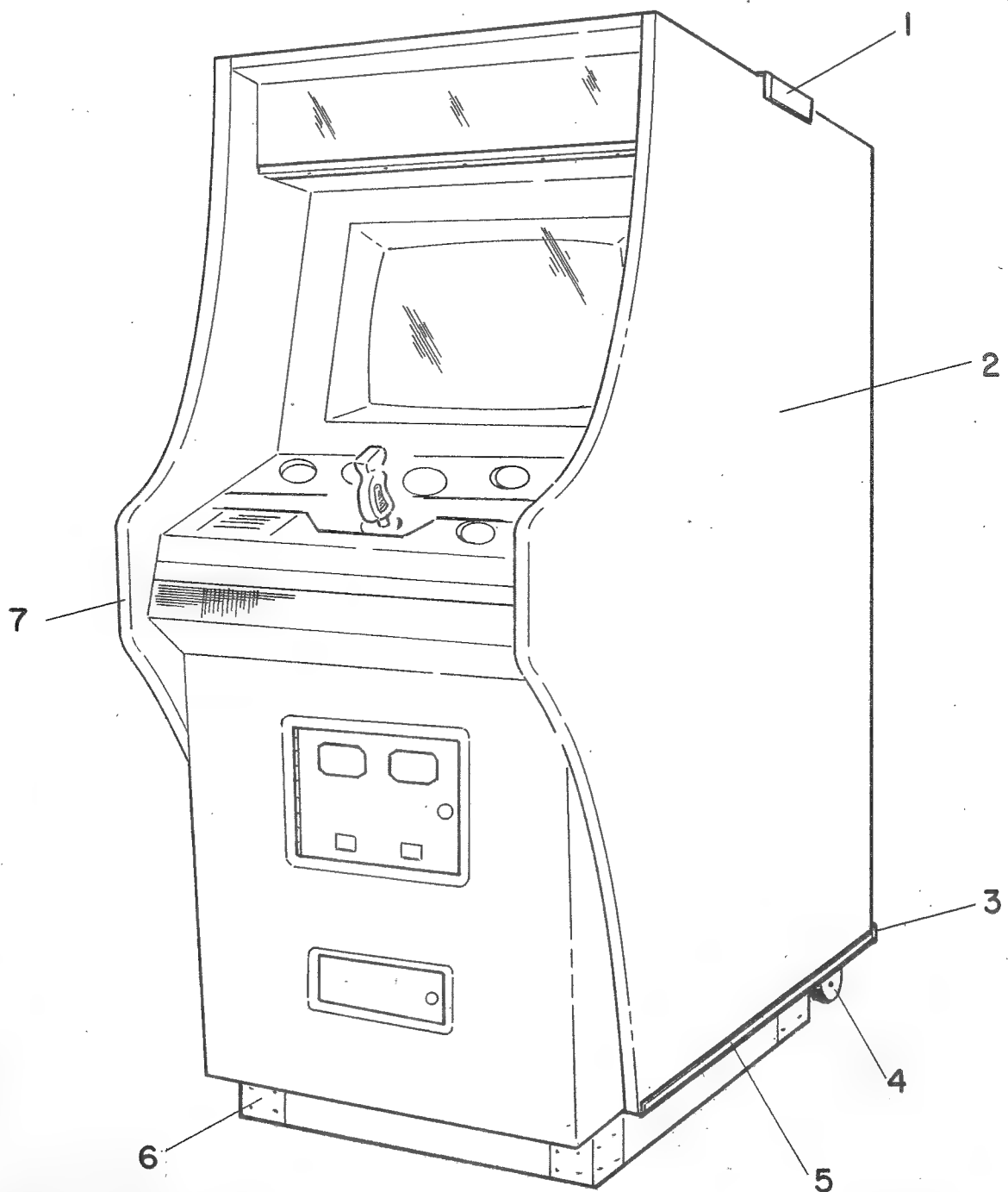
If the machine gun is not fired when the trigger is pressed, the defect will be found in the microswitch in the joystick. Check it.

Replacement of Microswitch:

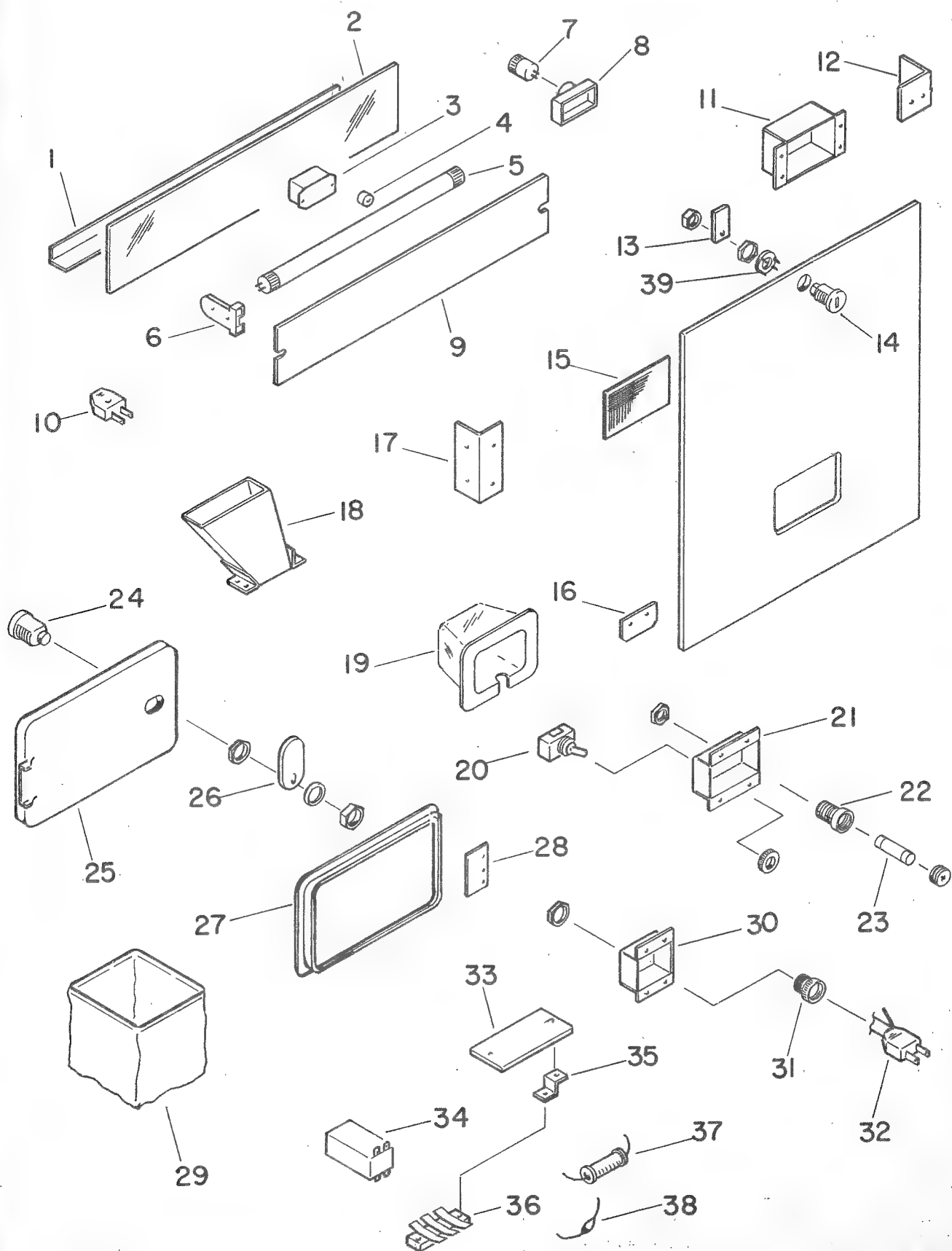
- (1) Open the joystick by removing the bolt (M5 x 18) and the countersink screw (M4 x 20), and unsolder the wiring.
- (2) Remove two screws (M2 x 10) securing the microswitch.
- (3) Replace the microswitch with new one.



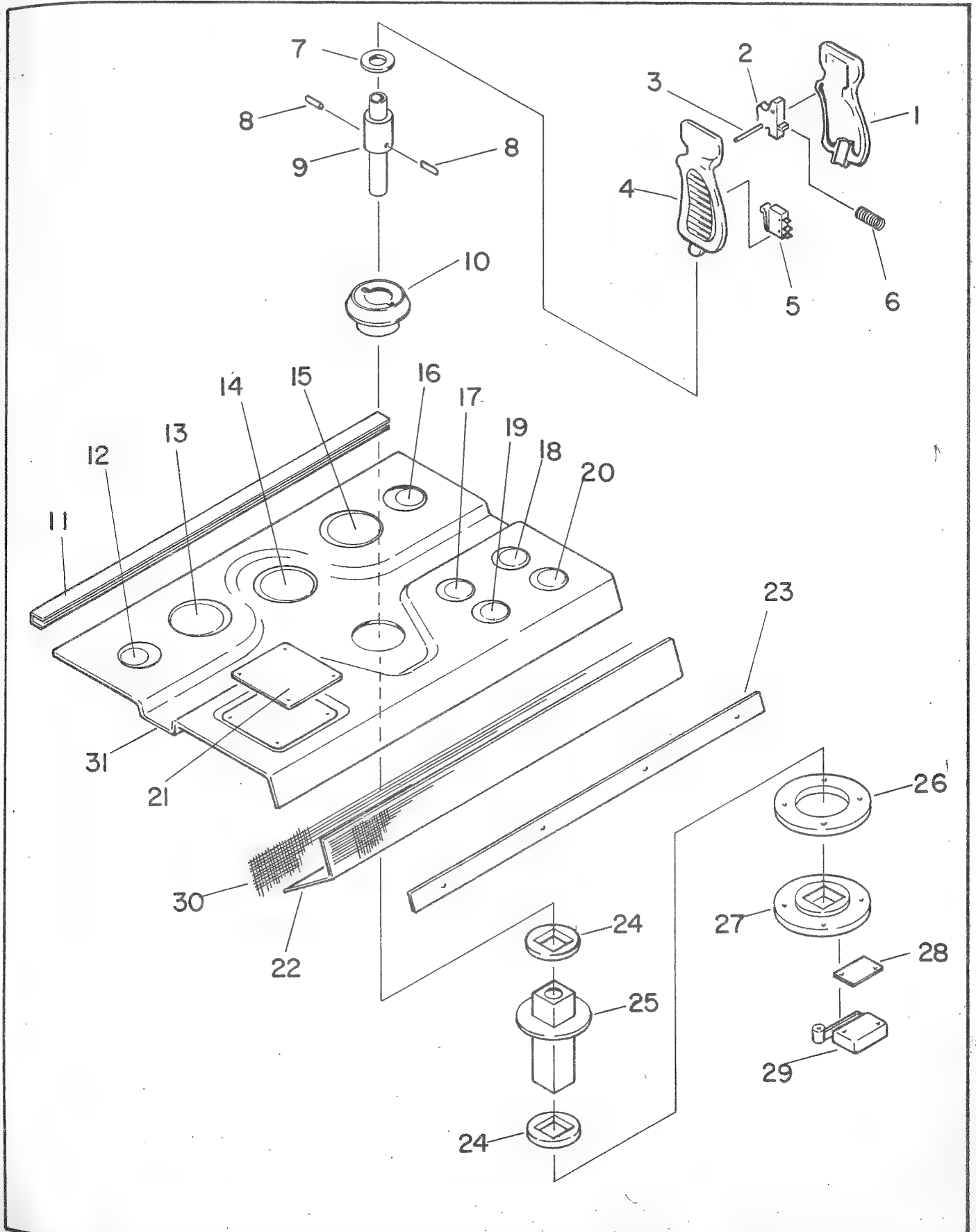
CABINET ACCESSORY ASS'Y



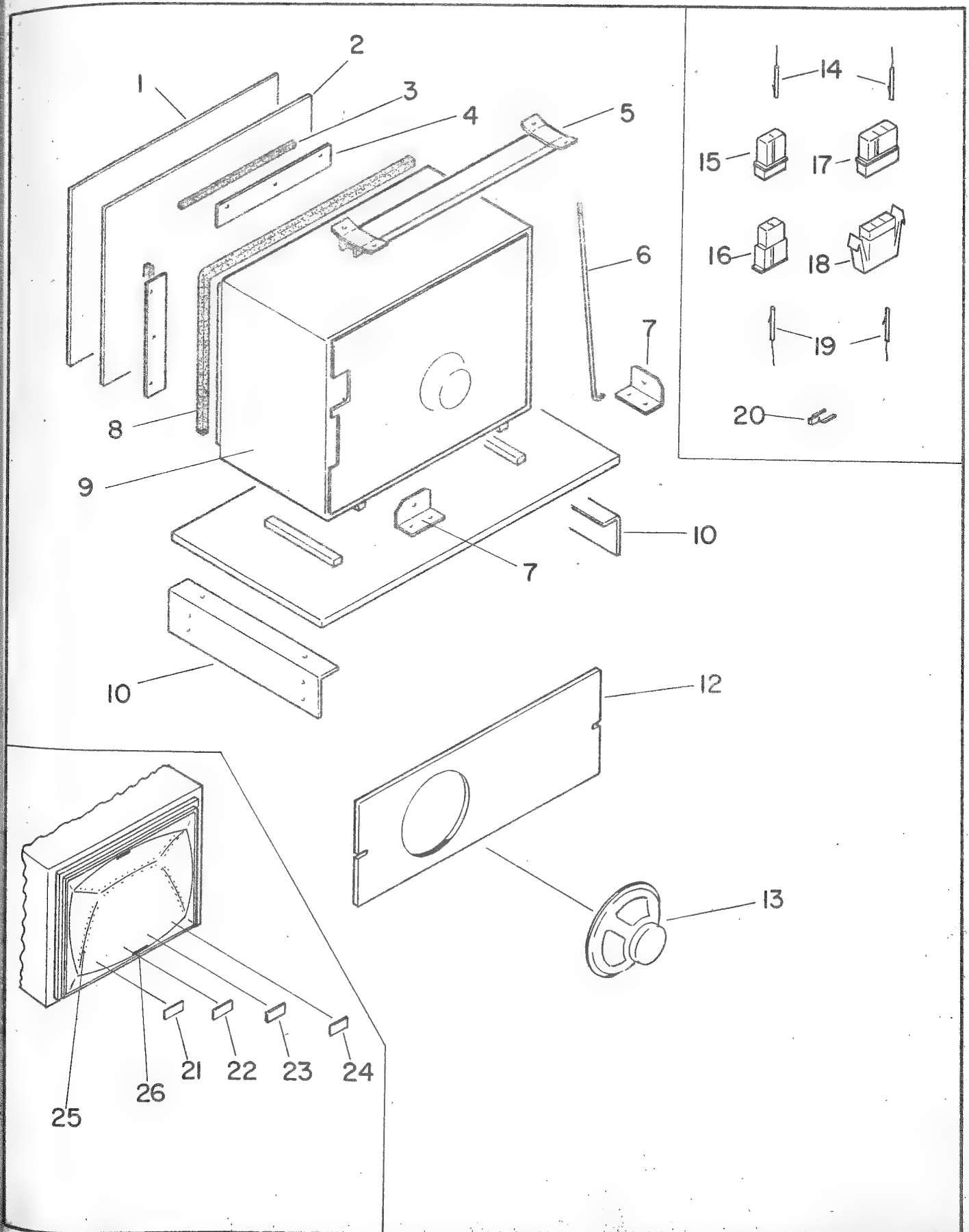
CABINET ASS'Y



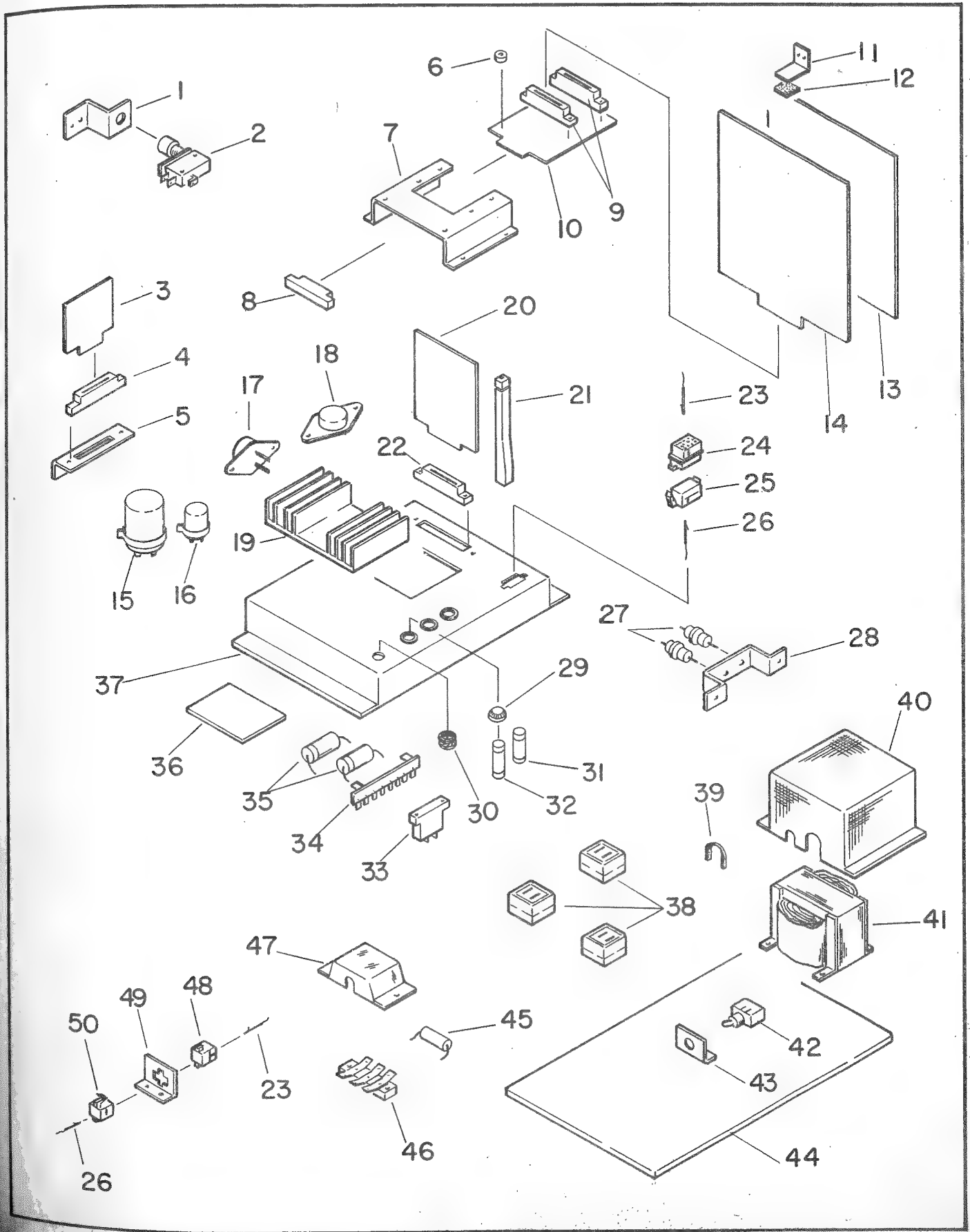
DASHBOARD ASS'Y



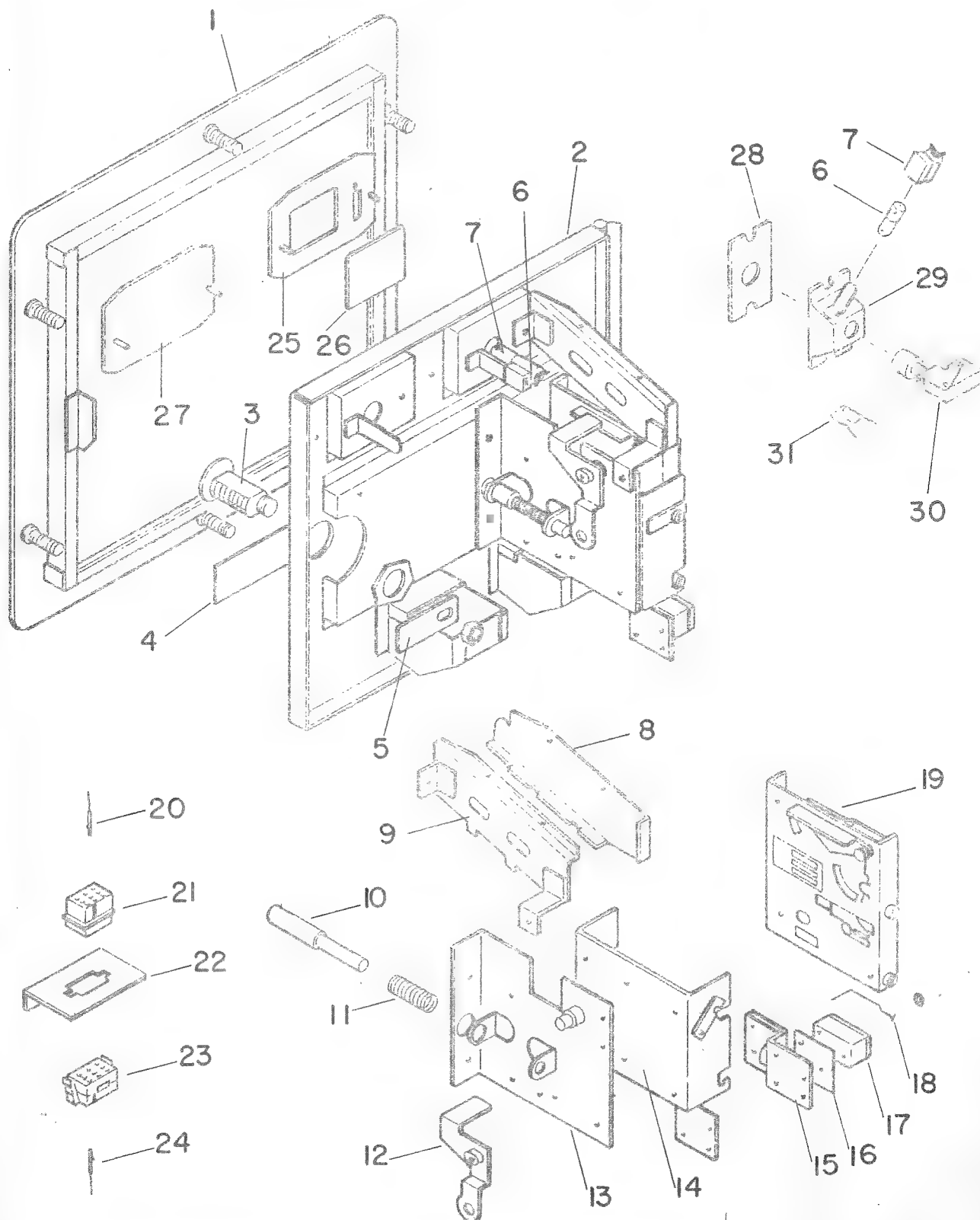
VIDEO ASS'Y



REGULATOR ASS'Y



FRONT DOOR AND COIN -MECHANISM ASS'Y



CABINET ACCESSORY ASS'Y

Item	Part No.	Description
1	AAO14511	Molding
2	CRO10001	Cabinet
3	CRO40008	Corner Protector B
4	AAO16518	Caster
5	CRO40002	Corner Protector A
6	AAO13519	Corner Bracket
7	AAO14512	Edge

C A B I N E T A S S ' Y

Item	Part No.	Description
1	CRO40001	Retaining Frame
2	CRO70010	Title Plate
3	AAO57504	Ballast
4	AAO12510	Spacer
5	AAO54711	Fluorescent Lamp 15w
6	AAO55694	F.L. Socket
7	AAO54720	Glow Lamp
8	AAO55695	Glow Socket
9	CRO10002	F.L. Board
10	AAO55718	A.C. Plug
11	EPO30007	Support Bracket
12	AAO13512	Cover
13	AAO13510	Lock Plate

14	AAO16586	Lock & Key No.7600
15	EPO80010	Ventilator
16	AAO18523	Door Stopper
17	SEO80010	Support Bracket
18	SPO80008	Coin Chute
19	AAO19519	Switch Cover
20	AAO52501	Switch
21	AAO18551	Switch Bracket
22	AAO55784	Fuse Holder
23	AAO63506	Fuse 8A
24	AAO16501	Lock & Key
25	AAO26505	Cash Box Door
26	AAO18511	Lock Plate
27	AAO26506	Cash Box Door Frame
28	AAO18533	Lock Stopper
29	AAO28503	Cash Bage
30	AAO18553	Bracket
31	AAO69530	Mold Cord Bush
32	AAO62506	A.C. Cable & Plug Ass'y
33	AAO19509	Cover
34	AAO51615	Counter
35	AAO18518	Cover Bracket
36	AAO56511	Contact Strip Ass'y
37	AAT55083	Resistor 6Ω 2W
38	AAT12002	Diode V03C
39	AAO18524	Lock Washer

DASH BOARD ASS'Y

Item	Part No.	Description
1	AVO40007	Grip (R)
2	WNO40005	Trigger
3	WNO20007	Trigger Shaft
4	AVO40008	Grip (L)
5	AAO52550	Switch
6	WNO50002	Trigger Spring
7	CRO80001	Cover Plate
8	CRO20002	Pin
9	CRO20001	Shaft
10	CRO20003	Bushing
11	CRO80001	Rubber Corner Trim
12	CRO70012	Meter Sticker B
13	CRO70013	Meter Sticker C
14	CRO70011	Meter Sticker A
15	CRO70014	Meter Sticker D
16	CRO70015	Meter Sticker E
17	CRO70017	Meter Sticker G
18	CRO70016	Meter Sticker F
19	CRO70019	Meter Sticker I
20	CRO70018	Meter Sticker H
21	CRO70005	Instruction Plate
22	CRO80003	Front Cover
23	CRO80002	Trim Plate
24	WNO80004	Rubber Washer
25	WNO20006	Hub

26	WNO80003	Rubber Ring
27	WNO40007	Switch Bracket
28	AAO19504	Insulator
29	AAO52582	Switch
30	CRO00019	Net
31	CRO00020	Dash Board Panel

VIDEO ASS'Y

Item	Part No.	Description
1	WNO90005	Front Glass
2	CRO90018	Color Plate
3	EPO80001	Rubber Sponge
4	EPO80005	Glass Stopper Plate
5	WNO80014	Video Stopper
6	WNO20011	Video Stopper Shaft
7	SEO80012	Bracket A
8	SPO80003	Rubber
9	AAO69521	Video
10	CRO80004	Base Bracket
11	CRO10004	Video Board
12	CRO10003	Baffle Board
18	AAT71002	Speaker
14	AAO55789	Mate-N-Lok Plug Pin
15	AAO55501	Mate-N-Lok Cap 2P
16	AAO55502	Mate-N-Lok Plug 2P

17	AAO55521	Mate-N-Lok Cap 3P
18	AAO55522	Mate-N-Lok plug 3P
19	AAO55790	Mate-N-Lok Socket Pin
20	AAO55541	Terminal
21	CRO70023	Time Sticker
22	CRO70022	Score Sticker
23	CRO70008	1st. Sticker
24	CRO70021	2nd. Sticker
25	CRO70009	Color Panel
26	DKO80017	Color Panel Stopper

REGULATOR ASS'Y

Item	Part No.	Description
1	AAO13552	Switch Bracket
2	AAO52511	Switch
3	SPN00006	Credit Unit P.C.B Ass'y
4	AAO55720	Connector 10P
5	BAO30003	Socket Bracket
6	CRO20004	Spacer
7	CRO30005	Connector Base
8	AAO55773	Connector 36P
9	AAO55798	Connector 72P
10	CRO70004	Connector Board
11	CRO80006	Stopper Bracket
12	CRO80002	Sponge Rubber

13	CRN00001	Main P.C.Board Ass'y
14	CRN00002	Target P.C.Board Ass'y
15	AAT41166	Capacitor
16	AAT41162	Capacitor
17	AAT81012	Regulator
18	AAT11039	Transistor
19	AAO69519	Heat Sink
20	CRN00008	Sound P.C.Board Ass'y
21	AAO69520	Guide
22	AAO55721	Connector 14P
23	AAO55789	Mate-N-Lok Plug Pin
24	AAO55621	Mate-N-Lok Cap 15P
25	AAO55622	Mate-N-Lok Plug 15P
26	AAO55790	Mate-N-Lok Socket Pin
27	AAT12024	Diode 12cc12
28	SEO30027	Mounting Bracket
29	AAO55700	Fuse Holder
30	AAO18508	Grommet
31	AAO63508	Fuse 15A
32	AAO63501	Fuse 0.5A
33	AAT14002	Rectifier
34	AAO56528	Contact Strip Ass'y
35	AAT41189	Capacitor
36	DAN00010	Regulator P.C.Board Ass'y
37	SEO20024	Chassis
38	AAO55715	A.C.Socket
39	AAO69525	Grommet

40	WNO30010	Transformer Cover
41	AAO57538	Transformer
42	AAO52535	Switch
43	SEO80028	S•W•Bracket
44	CRO10005	Regulator Board
45	AAT41194	Capacitor
46	AAO56511	Contact Strip Ass'y 8P
47	AAO19520	Cover
48	AAO55581	Mate-N-Lok Cap 9P
49	AAO18527	Socket Bracket
50	AAO55582	Mate-N-Lok Plug 9P

FRONT DOOR AND COIN MECHANISM ASS'Y

Item	Part No.	Description
1	AAO26502	Door Frame
2	AAO26509	Front Door
3	AAO16536	Lock & key No.7600
4	AAO17705	Name Plate
5	AAO18510	Lock Plate
6	AAO54704	Lamp 12V 150mA
7	AAO55698	Lamp Socket
8	AAO25508	Coin Guide B
9	AAO25507	Coin Guide A
10	AAO27504	Push Button
11	AAO15504	Spring

12	AAO18557	Scavenger
13	AAO18554	Mounting Bracket
14	AAO28501	Slug Rejector Mounting Bracket Ass'y
15	AAO25508	Coin Guide
16	AAO19502	Insulator
17	AAO52512	Switch C-5G8-8
18	AAO58501	Actuator
19	AAO22508	Slug Rejector ¥100
20	AAO55789	Mate-N-Lok Plug Pin
21	AAO55581	Mate-N-Lok Cap 9P
22	AAO18527	Socket Bracket
23	AAO55582	Mate-N-Lok Plug 9P
24	AAO55790	Mate-N-Lok Socket Pin
25	AAO21533	Coin Entry Plate
26	AAO29508	Price Label ¥100
27	AAO21580	Coin Shield Plate
28	AAO19521	Credit Plate
29	AAO18555	Switch Bracket
30	AAO52511	Switch
31	AAT41241	Capacitor TDY-1H-888



INTERCEPTOR

