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# SEGA<sup>®</sup> AFTER BURNER

OWNER'S MANUAL

SEGA ENTERPRISES, LTD.

MANUAL NO. 420-5798-01

[www.basementarcade.com](http://www.basementarcade.com)

**BASEMENT  
ARCADE  
CLASSICS**

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### UPRIGHT TYPE

#### SPECIFICATIONS

|                    |                                             |
|--------------------|---------------------------------------------|
| INSTALLATION SPACE | : 630 mm (24.8 in.) W × 860 mm (33.9 in.) D |
| HEIGHT             | : 1850 mm (72.8 in.)                        |
| POWER              | : 240 W                                     |
| C.R.T.             | : 20" MONITOR                               |
| WEIGHT             | : 124 kg (273 lbs.)                         |

#### NOTE

- Descriptions herein contained may be subject to improvement changes without notice.

## INTRODUCTION TO THE OWNER'S MANUAL

SEGA ENTERPRISES, LTD., supported by its high electronic technology of LSIs, micro-processors, etc. and a wealth of experience, has for more than 30 years been supplying various innovative and popular game machines to the world market. This OWNER'S manual is intended to provide detailed comments together with all the necessary information covering the operation in general of electronic assemblies, electromechanicals, servicing control, spare parts, etc. as regards the AFTER BURNER U/R, a new SEGA product. The manual is intended for those who have knowledge of electricity and technical expertise especially in ICs, CRT's, microprocessors, etc. Carefully read so as to acquire sufficient knowledge before working on the machine. Should there be a malfunction, non-technical personnel should under no circumstances touch the interior system.

## 1. HANDLING PRECAUTIONS

When installing or inspecting, be very careful of the following points and pay attention to ensure that the player can enjoy the game safely.

- Be sure to turn the power off before working on the machine.
- To insert or pull out the plug quickly is dangerous.
- It is necessary to make sure that the power cord or the grounding wire is not exposed on the road, etc. in a manner so as to be dangerous. Make sure that grounding connections are made safely at the position where so specified.
- Do not use any fuse that does not meet the specified rating.
- Make complete connections for the IC board and other connectors. Insufficient insertion is very dangerous.

Also, for the IC board circuit inspections, only the logic tone is allowed. The use of a tester is not permitted, so be careful in this regard. After confirming that there are no irregularities, turn the power ON.

## 2. PREVENTION OF COUNTERFEITING AND CONVERSION

### LABELLING

To prevent counterfeits and conversions, the following labels are put on all the SEGA products. When handling such goods, be sure to confirm the labels. They are used to prevent illegal acts such as the unauthorized copying of the products and the printed circuit boards thereof or carrying on business by manufacturing similar merchandise or by converting, selling or using such products or printed circuit boards.

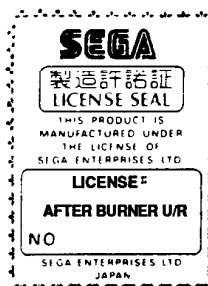
#### ORIGINAL SEAL

The following seal is put on the machines manufactured by SEGA.



#### LICENSE SEAL

The following seal is put on the kits, such as the printed circuit boards, of SEGA products.



### COPYRIGHT NOTICE

This SEGA product has the copyright notice as follows:

© SEGA 1987

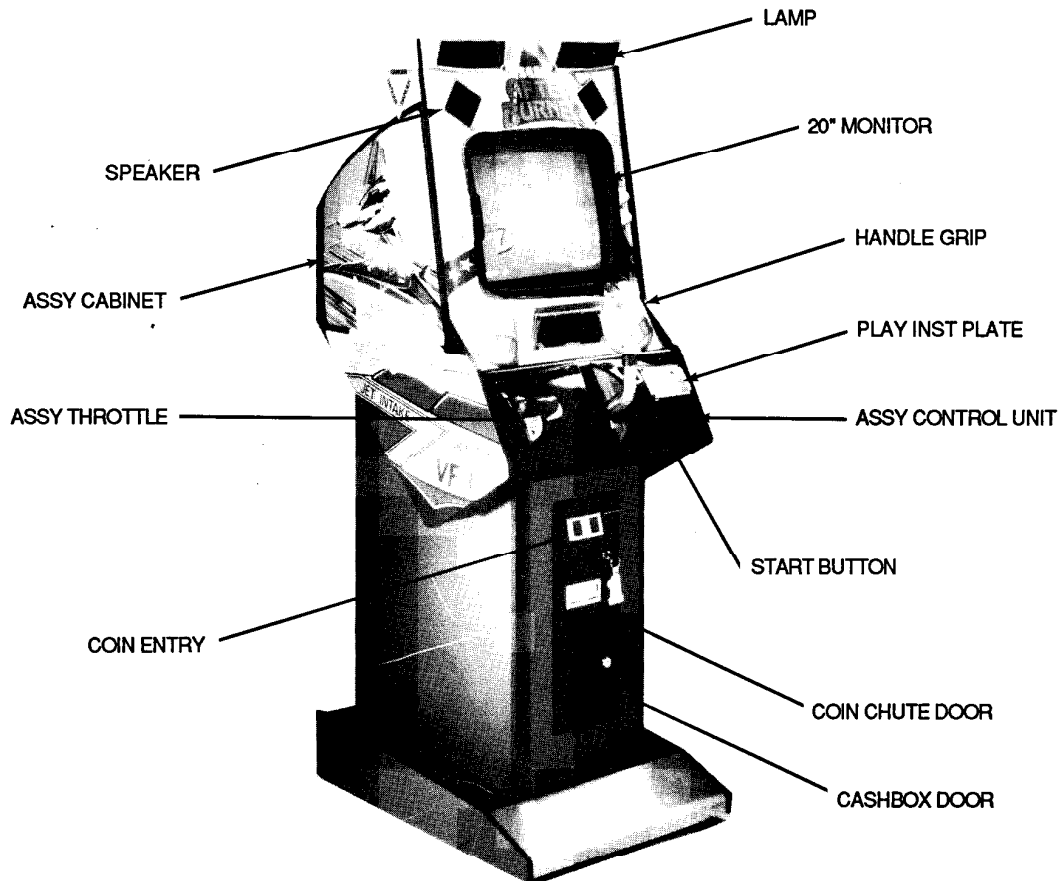
This signifies that this work was disclosed in 1987 and is the property of SEGA ENTERPRISES, LTD.

### 3. PRECAUTIONS CONCERNING THE PLACE OF INSTALLATION

The SUPER AFTER BURNER U/R is an indoor game machine. Absolutely do not install it outside. Even indoors, avoid installing in places mentioned below so as to ensure proper usage:

- Places subject to rain or water leakage, or condensation due to humidity.
- In the proximity of an indoor swimming pool and/or shower.
- Places subject to direct sunlight.
- Places subject to heat sources from heating units, etc., or hot air.
- Vicinity of highly inflammable/volatile chemicals or hazardous matter.
- Sloped surfaces.
- Vicinity of anti-disaster facilities such as fire exits and fire extinguishers.
- Places subject to any type of violent impact.
- Dusty places.

### 4. NAME OF PARTS ①



## TOOLS

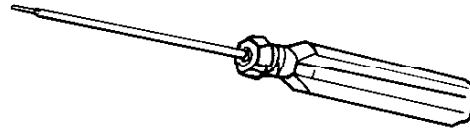
### (TAMPERPROOF WRENCH)

M 4 540-0006-01  
M 5 540-0007-01  
M 8 540-0009-01

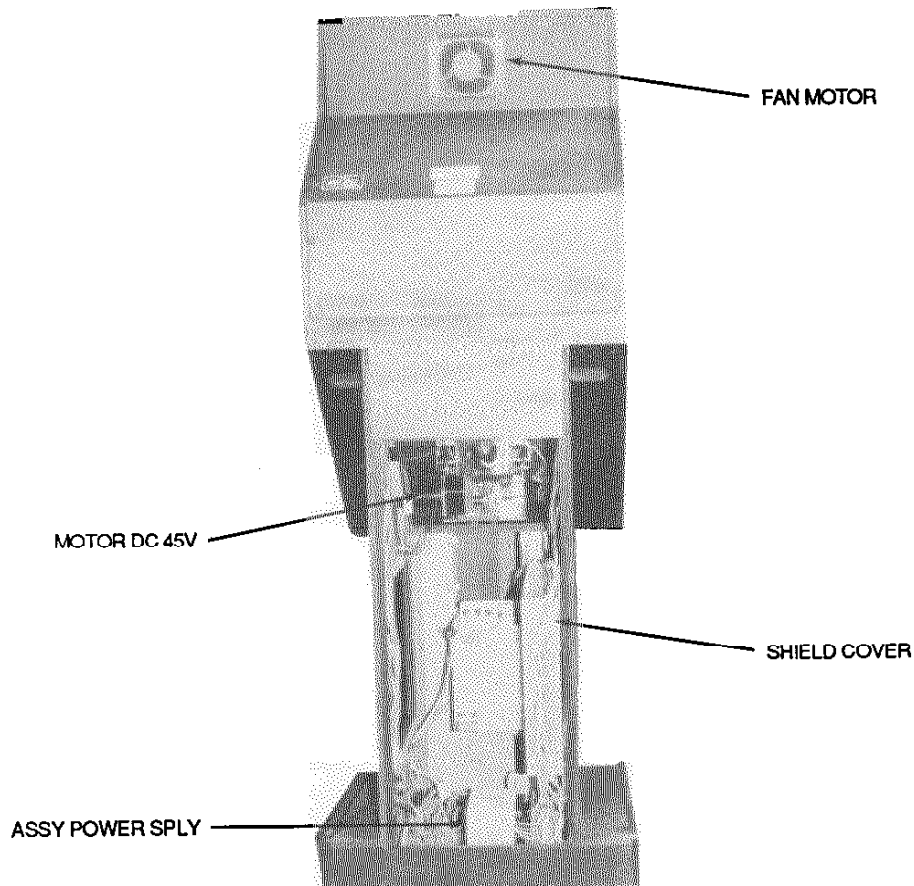


### (TAMPERPROOF DRIVER)

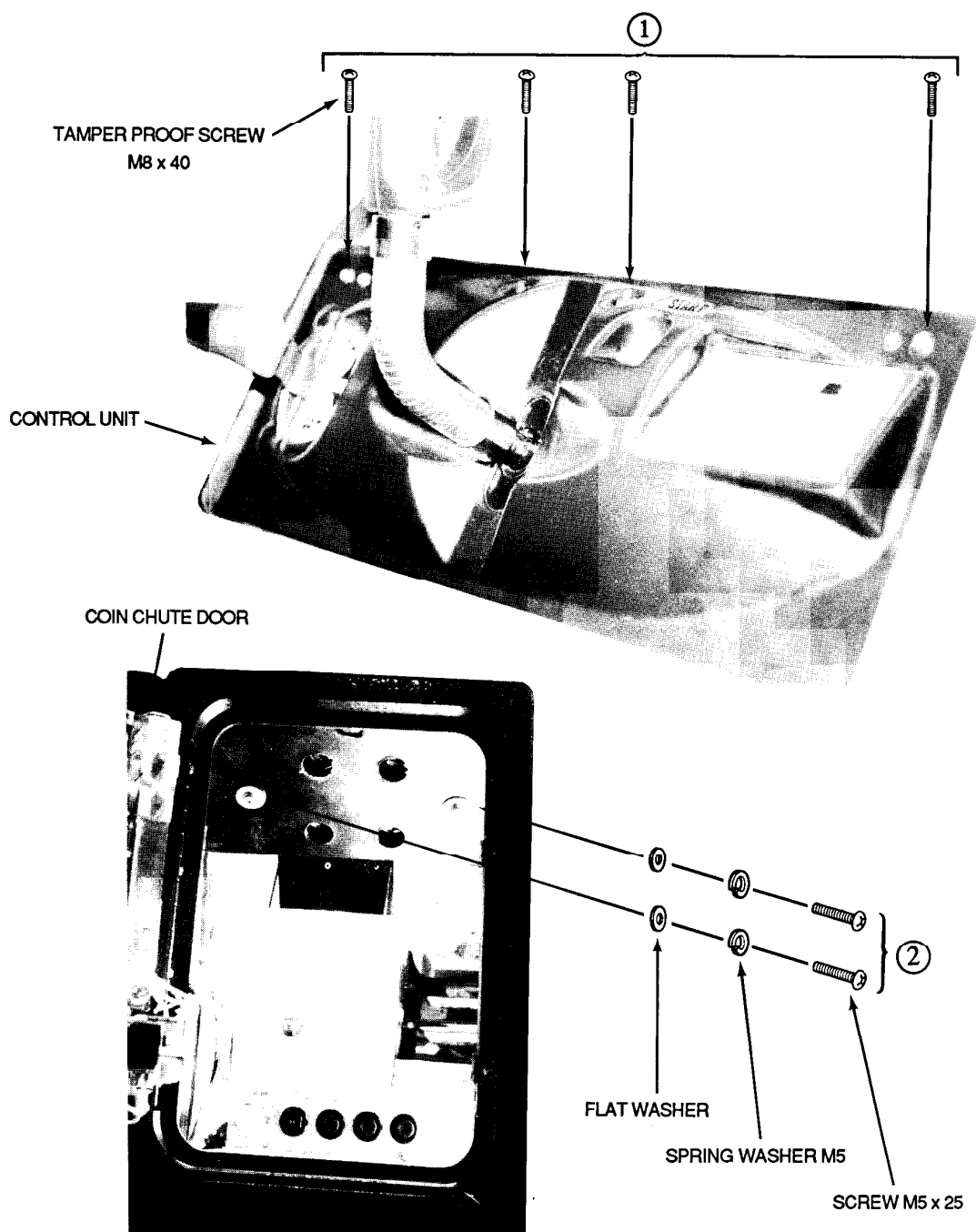
M4 540-0018  
M5 540-0017  
M8 540-0011



## 5. NAME OF PARTS ②



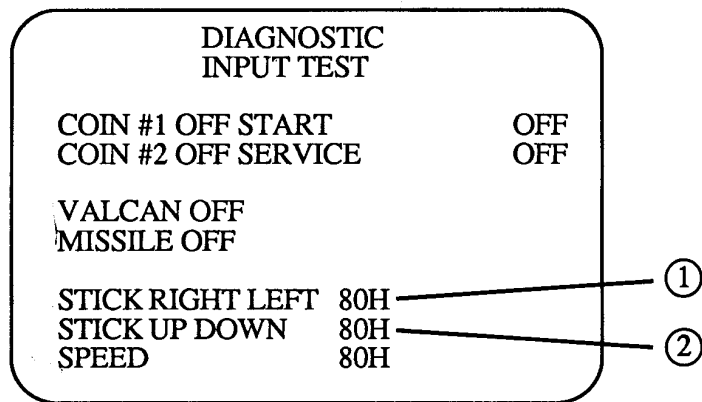
## 6. OPENING THE CONTROL UNIT



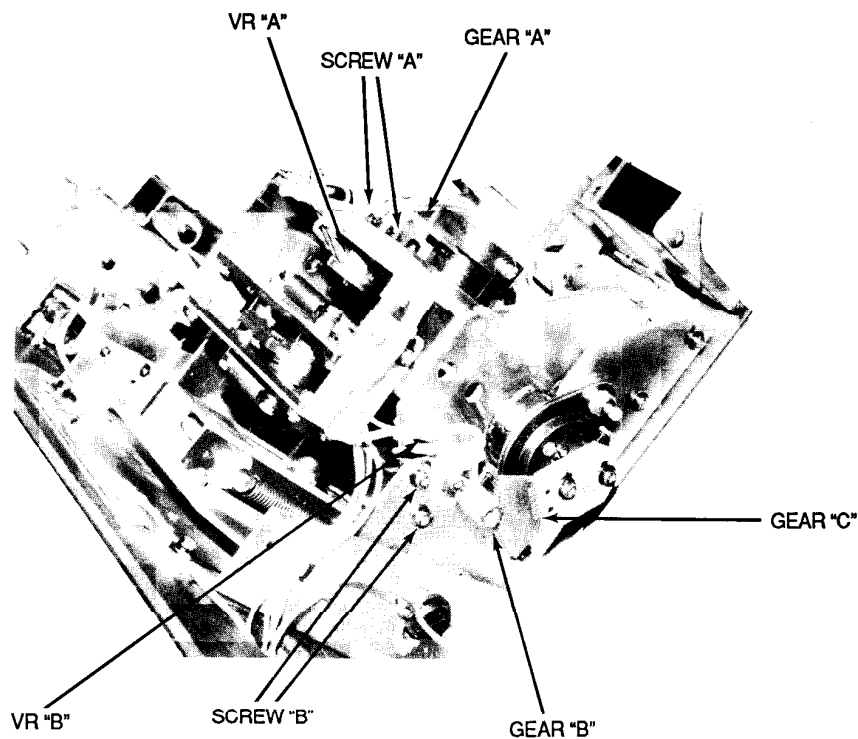
- To open the CONTROL UNIT, take off the 4 TAMPERPROOF SCREWS ①, open the COIN CHUTE DOOR, take off the 2 (M5 x 25) SCREWS ②, and the entire CONTROL UNIT will open towards you.
- Opening the CONTROL UNIT allows for spring replacements, handle centering V.R. adjustments, motor brush replacements and THROTTLE UNIT centering adjustments.

## 7. HANDLE UNIT ADJUSTMENT

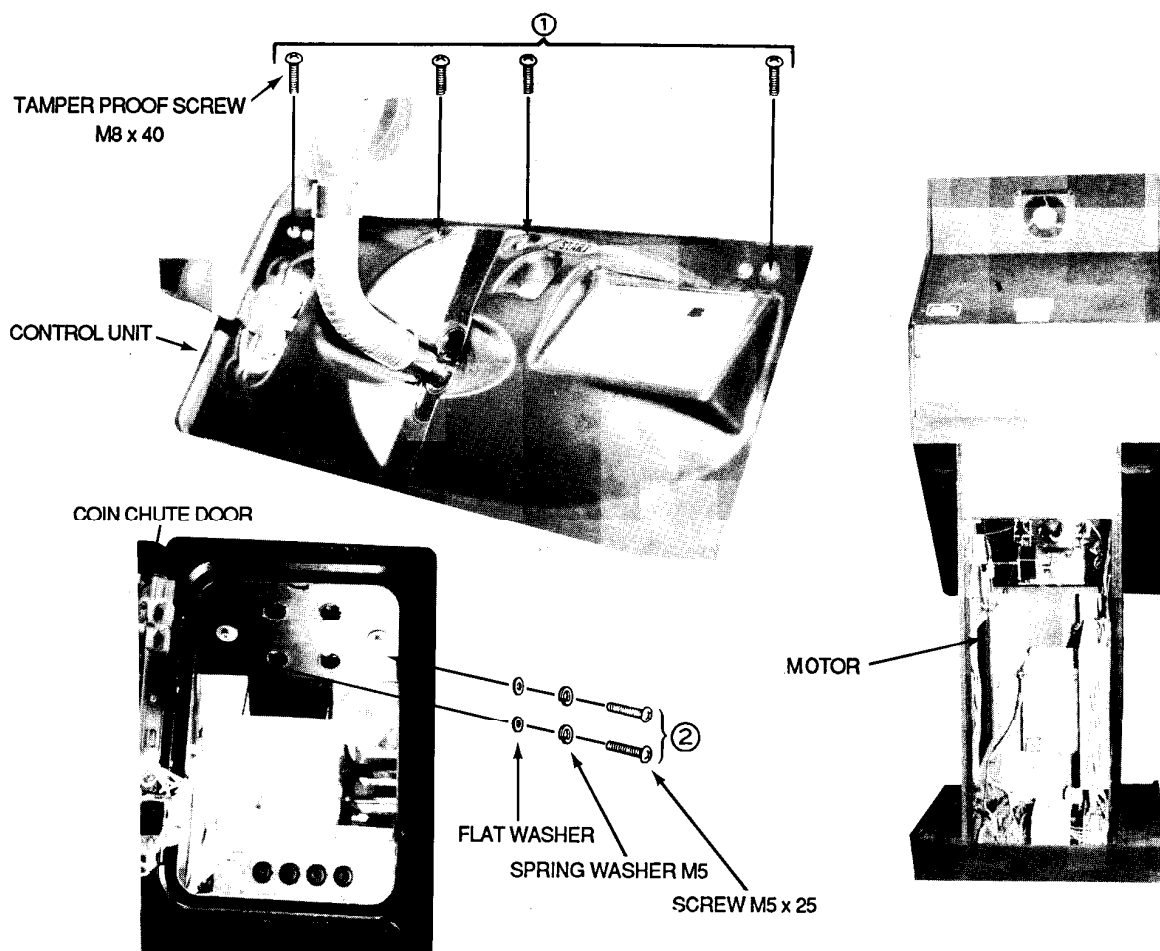
In the test mode, cause the **DIAGNOSTIC INPUT DISPLAY** to appear on the screen (to select it, push the test switch and move the handle upward and downward).



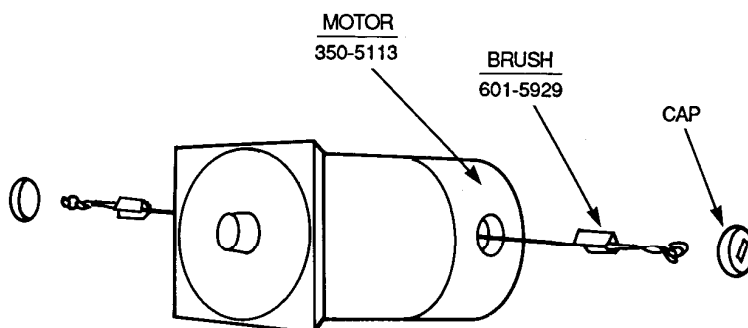
- ① To make VR adjustments in a horizontal direction (RIGHT/LEFT), release the VR "A" bracket's "A" screws and turn gear "A" in a manner so that when the handle grip is in an unoperated status,  $80H \pm 2H$  is obtained. At this time, also make backlash adjustments.
- ② When making vertical (UP/DOWN) adjustments, while maintaining the present inclination of the handle unit, unfasten the gear "C" bracket's "B" screws and fasten the gear "C" bracket when the monitor display shows  $80H \pm 2H$ . For backlash adjustments, loosen the VR "B" bracket.



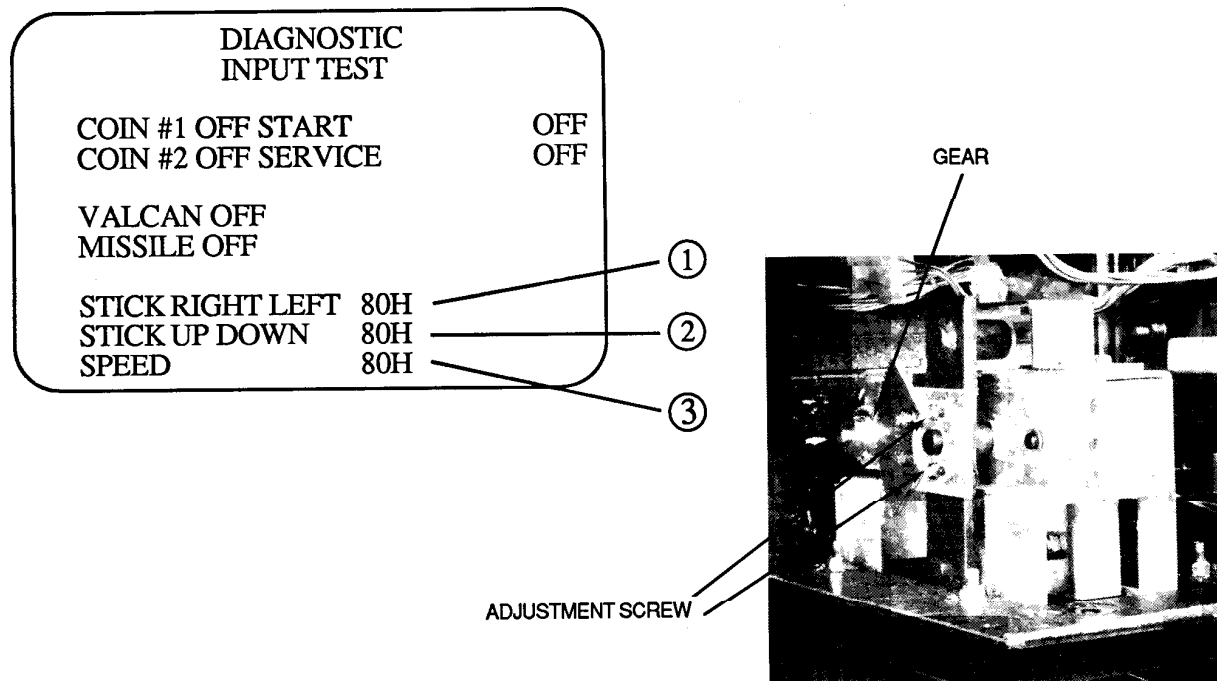
## 8. REPLACING THE MOTOR BRUSHES



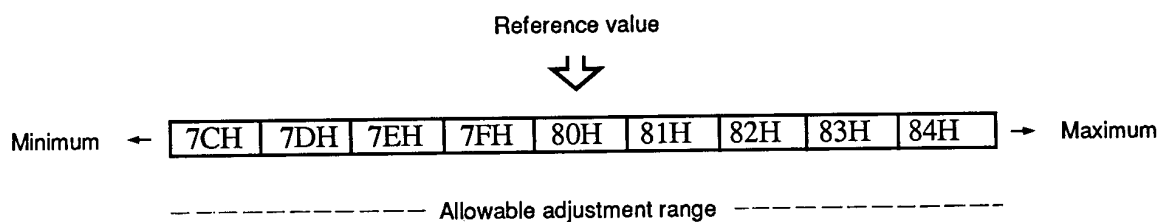
To replace the motor brushes, release the cap with a screwdriver, etc., and take out the brushes. Replacement once every 6 months is recommended. Make sure that both brushes are replaced at the same time.



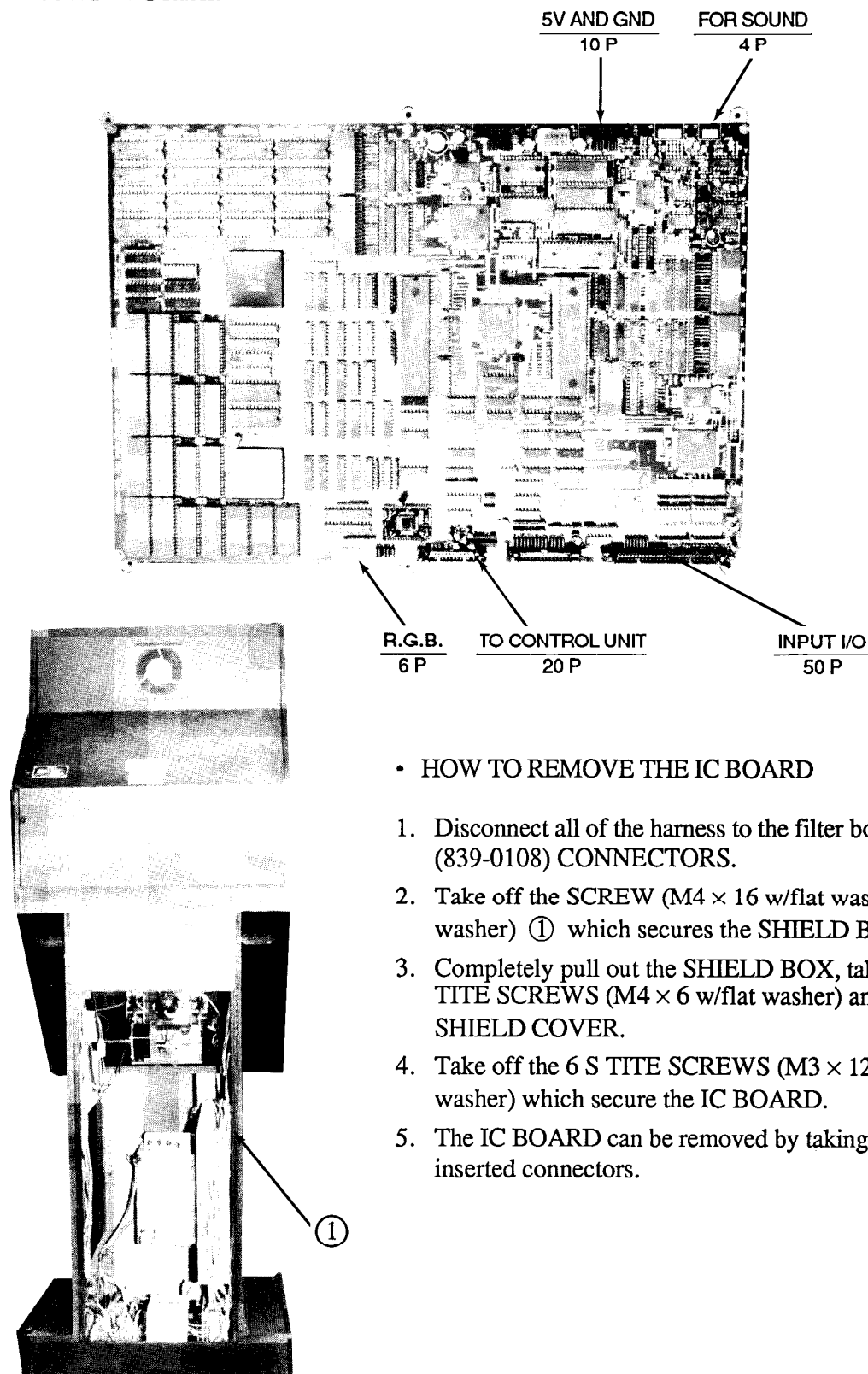
## 9. THROTTLE UNIT ADJUSTMENT



- ③ Unfasten the 2 adjustable screws to loosen the volume bracket, making sure that in relation to the gear engagement, the variable value in the test mode is within the allowable adjustment range, and then refasten the adjustment screws.



## 10. IC BOARD

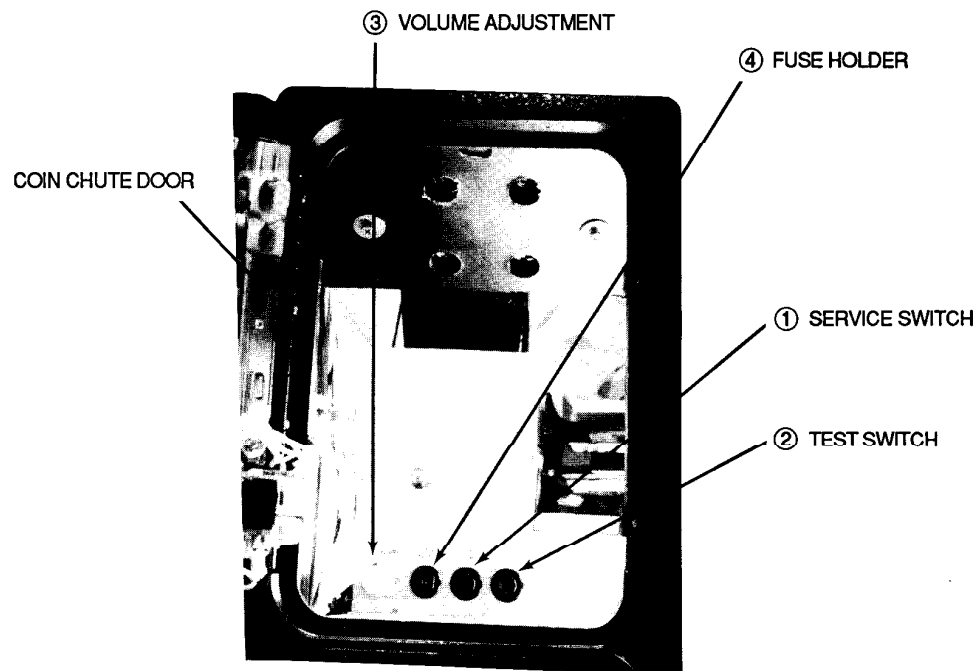


### • HOW TO REMOVE THE IC BOARD

1. Disconnect all of the harness to the filter board (839-0108) CONNECTORS.
2. Take off the SCREW (M4 × 16 w/flat washer and spring washer) ① which secures the SHIELD BASE.
3. Completely pull out the SHIELD BOX, take off the 18 S TITE SCREWS (M4 × 6 w/flat washer) and remove the SHIELD COVER.
4. Take off the 6 S TITE SCREWS (M3 × 12 w/flat washer) which secure the IC BOARD.
5. The IC BOARD can be removed by taking off the inserted connectors.

## 11. SERVICE SWITCH FUNCTIONS

The layout as shown below can be viewed by opening the coin chute door.



### INSTRUCTIONS

- ① SERVICE SWITCH ..... Used for the purpose of servicing and increasing the credits without registering on the meter (this allows you to check the game).
- ② TEST SWITCH ..... For operating this switch, see SELF-TESTING.
- ③ VOLUME ADJUSTMENT ..... The volume of the speaker inside the cowl can be adjusted.
- ④ FUSE HOLDER ..... When the motor is overloaded, the fuse will be burned out, causing the motor which is connected with the handle, to stop. To restart it, replace the fuse with same current limit.

## 12. DIP SWITCH SETTING

### COIN/CREDIT OPTION SWITCH SETTING

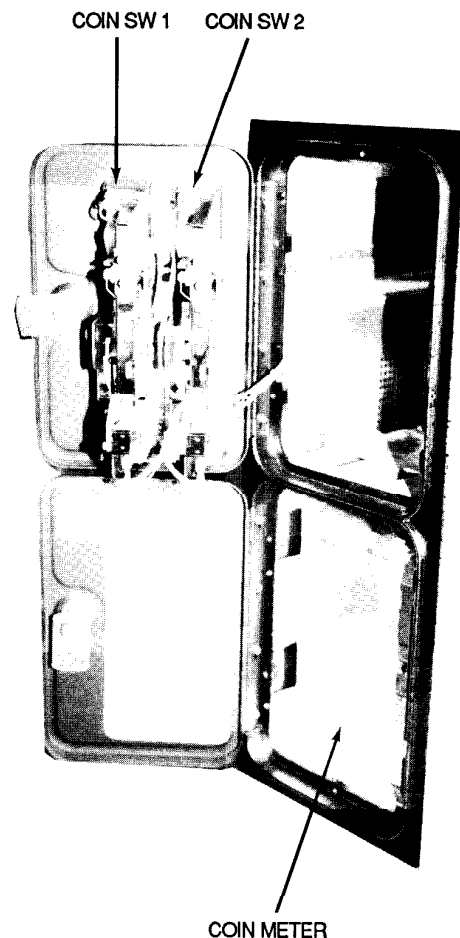
### DIP SW A

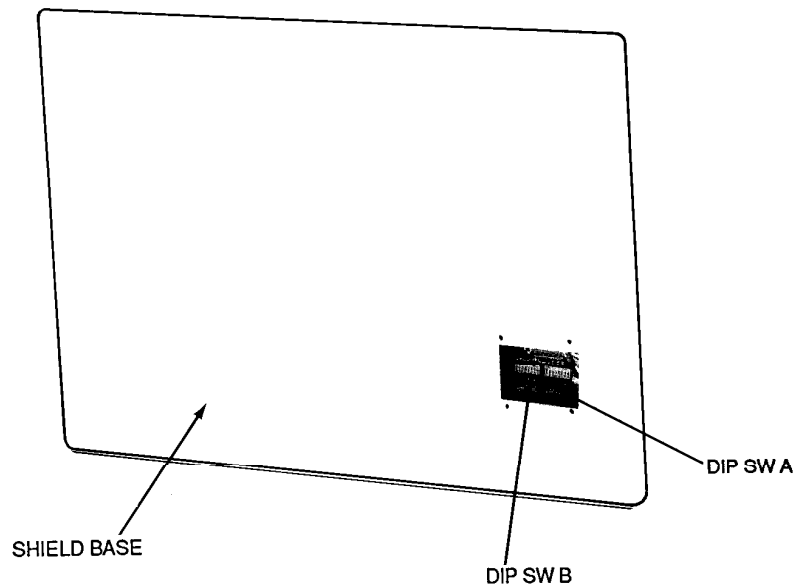
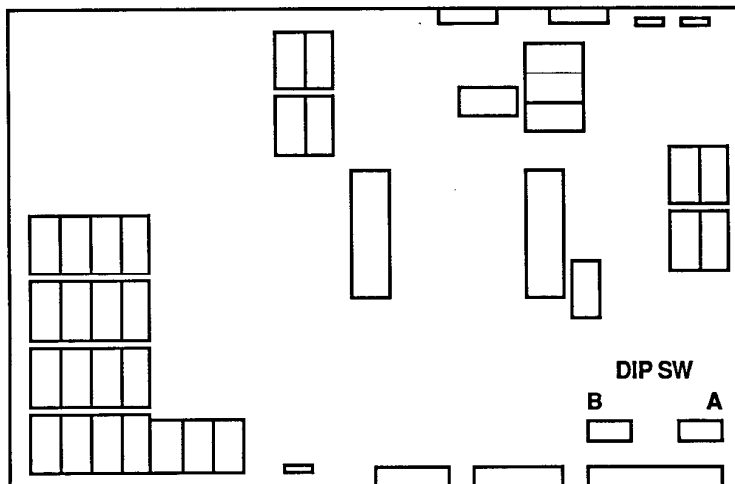
| OPTION    |           | 1           | 2   | 3   | 4   | 5           | 6   | 7   | 8   |
|-----------|-----------|-------------|-----|-----|-----|-------------|-----|-----|-----|
| 1 COIN    | 1 CREDIT  | OFF         | OFF | OFF | OFF | OFF         | OFF | OFF | OFF |
| 1 COIN    | 2 CREDITS | ON          | OFF | OFF | OFF | ON          | OFF | OFF | OFF |
| 1 COIN    | 3 CREDITS | OFF         | ON  | OFF | OFF | OFF         | ON  | OFF | OFF |
| 5 COINS   | 1 CREDIT  | ON          | ON  | OFF | OFF | ON          | ON  | OFF | OFF |
| 6 COINS   | 1 CREDIT  | OFF         | OFF | ON  | OFF | OFF         | OFF | ON  | OFF |
| 7 COINS   | 1 CREDIT  | ON          | OFF | ON  | OFF | ON          | OFF | ON  | OFF |
| 2 COINS   | 1 CREDIT  | OFF         | ON  | ON  | OFF | OFF         | ON  | ON  | OFF |
| 3 COINS   | 1 CREDIT  | ON          | ON  | ON  | OFF | ON          | ON  | ON  | OFF |
| 4 COINS   | 1 CREDIT  | OFF         | OFF | OFF | ON  | OFF         | OFF | OFF | ON  |
| 2 COINS   | 3 CREDITS | ON          | OFF | OFF | ON  | ON          | OFF | OFF | ON  |
| 2 COINS   | 1 CREDIT  | OFF         | ON  | OFF | ON  | OFF         | ON  | OFF | ON  |
| 3 COINS   | 2 CREDITS |             |     |     |     |             |     |     |     |
| 5 COINS   | 3 CREDITS |             |     |     |     |             |     |     |     |
| 6 COINS   | 4 CREDITS |             |     |     |     |             |     |     |     |
| 2 COINS   | 1 CREDIT  | ON          | ON  | OFF | ON  | ON          | ON  | OFF | ON  |
| 4 COINS   | 3 CREDITS | OFF         | OFF | ON  | ON  | OFF         | OFF | ON  | ON  |
| 1 COIN    | 1 CREDIT  |             |     |     |     |             |     |     |     |
| 2 COINS   | 2 CREDITS |             |     |     |     |             |     |     |     |
| 3 COINS   | 3 CREDITS |             |     |     |     |             |     |     |     |
| 4 COINS   | 4 CREDITS |             |     |     |     |             |     |     |     |
| 5 COINS   | 6 CREDITS |             |     |     |     |             |     |     |     |
| 1 COIN    | 1 CREDIT  | ON          | OFF | ON  | ON  | ON          | OFF | ON  | ON  |
| 2 COINS   | 2 CREDITS |             |     |     |     |             |     |     |     |
| 3 COINS   | 3 CREDITS |             |     |     |     |             |     |     |     |
| 4 COINS   | 5 CREDITS |             |     |     |     |             |     |     |     |
| 1 COIN    | 1 CREDIT  | OFF         | ON  | ON  | ON  | OFF         | ON  | ON  | ON  |
| 2 COINS   | 3 CREDITS |             |     |     |     |             |     |     |     |
| FREE PLAY |           | ON          | ON  | ON  | ON  | ON          | ON  | ON  | ON  |
|           |           | COIN SW. #1 |     |     |     | COIN SW. #2 |     |     |     |

### GAME OPTION SETTING

### DIP SW B

| OPTION           |                   | 1      | 2   | 3      | 4      | 5      | 6   | 7   | 8 |
|------------------|-------------------|--------|-----|--------|--------|--------|-----|-----|---|
| CABINET TYPE     | MOVING DX         | OFF    | OFF |        |        |        |     |     |   |
|                  | MOVING STD        | ON     | OFF |        |        |        |     |     |   |
|                  | UP RIGHT NOT USED | OFF    | ON  |        |        |        |     |     |   |
| ADVERTISE SOUND  |                   | OFF ON |     | OFF ON |        |        |     |     |   |
| SHIPS PER CREDIT | 3 PLAYERS         |        |     | OFF ON |        |        |     |     |   |
|                  | 4 PLAYERS         |        |     | ON     |        |        |     |     |   |
| SHIP INCREASE    | NO                |        |     |        | OFF ON |        |     |     |   |
|                  | YES               |        |     |        | ON     |        |     |     |   |
| CONTINUE PLAY    | NO                |        |     |        |        | OFF ON |     |     |   |
|                  | YES               |        |     |        |        | ON     |     |     |   |
| GAME DIFFICULTY  | NORMAL            |        |     |        |        |        | OFF | OFF |   |
|                  | EASY              |        |     |        |        |        | ON  | ON  |   |
|                  | HARD              |        |     |        |        |        | ON  | ON  |   |
|                  | HARDEST           |        |     |        |        |        | ON  | ON  |   |

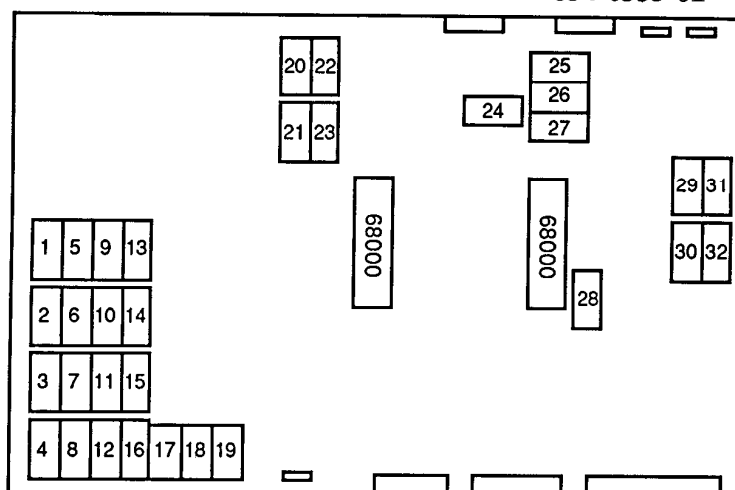




## 13. EPROM/MASK ROM LOCATIONS

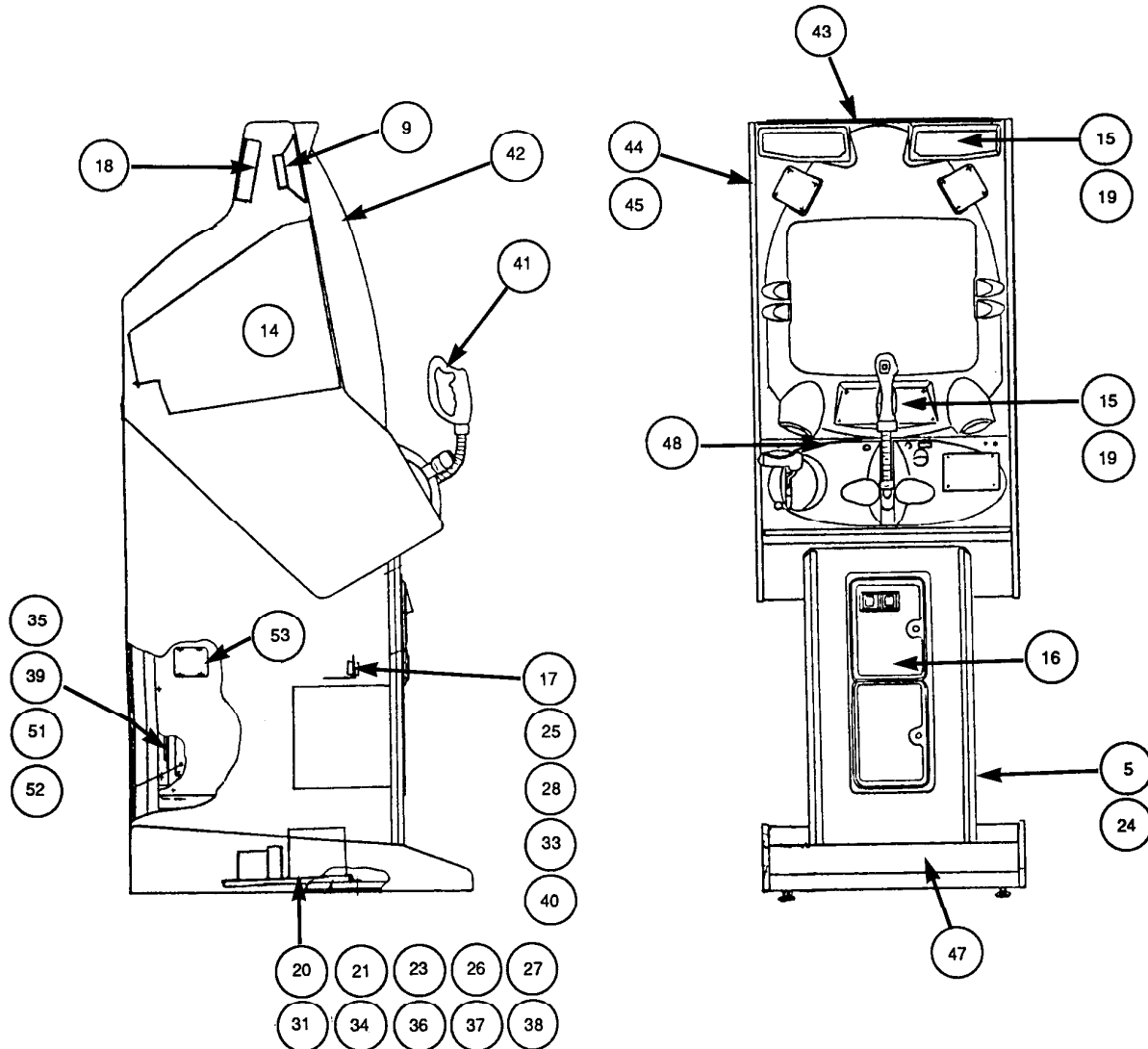
GAME BD AFTER BURNER

834-6335-01



|    | IC LOCATION | MAIN WORK                                |
|----|-------------|------------------------------------------|
| 1  | IC 93       | OBJECT<br>(CHARACTER &<br>SCENE SCENERY) |
| 2  | IC 97       |                                          |
| 3  | IC 101      |                                          |
| 4  | IC 105      |                                          |
| 5  | IC 92       |                                          |
| 6  | IC 96       |                                          |
| 7  | IC 100      |                                          |
| 8  | IC 104      |                                          |
| 9  | IC 91       |                                          |
| 10 | IC 95       |                                          |
| 11 | IC 99       |                                          |
| 12 | IC 103      |                                          |
| 13 | IC 90       |                                          |
| 14 | IC 94       |                                          |
| 15 | IC 98       |                                          |
| 16 | IC 102      |                                          |
| 17 | IC 154      | FIX SCROLL<br>CHARACTER                  |
| 18 | IC 153      |                                          |
| 19 | IC 152      |                                          |
| 20 | IC 58       | MAIN PROGRAM                             |
| 21 | IC 63       |                                          |
| 22 | IC 57       |                                          |
| 23 | IC 62       |                                          |
| 24 | IC 17       | SOUND PROGRAM                            |
| 25 | IC 11       | SOUND DATER                              |
| 26 | IC 12       |                                          |
| 27 | IC 13       |                                          |
| 28 | IC 40       | ROAD                                     |
| 29 | IC 21       | SUBPROGRAM                               |
| 30 | IC 30       |                                          |
| 31 | IC 20       |                                          |
| 32 | IC 29       |                                          |

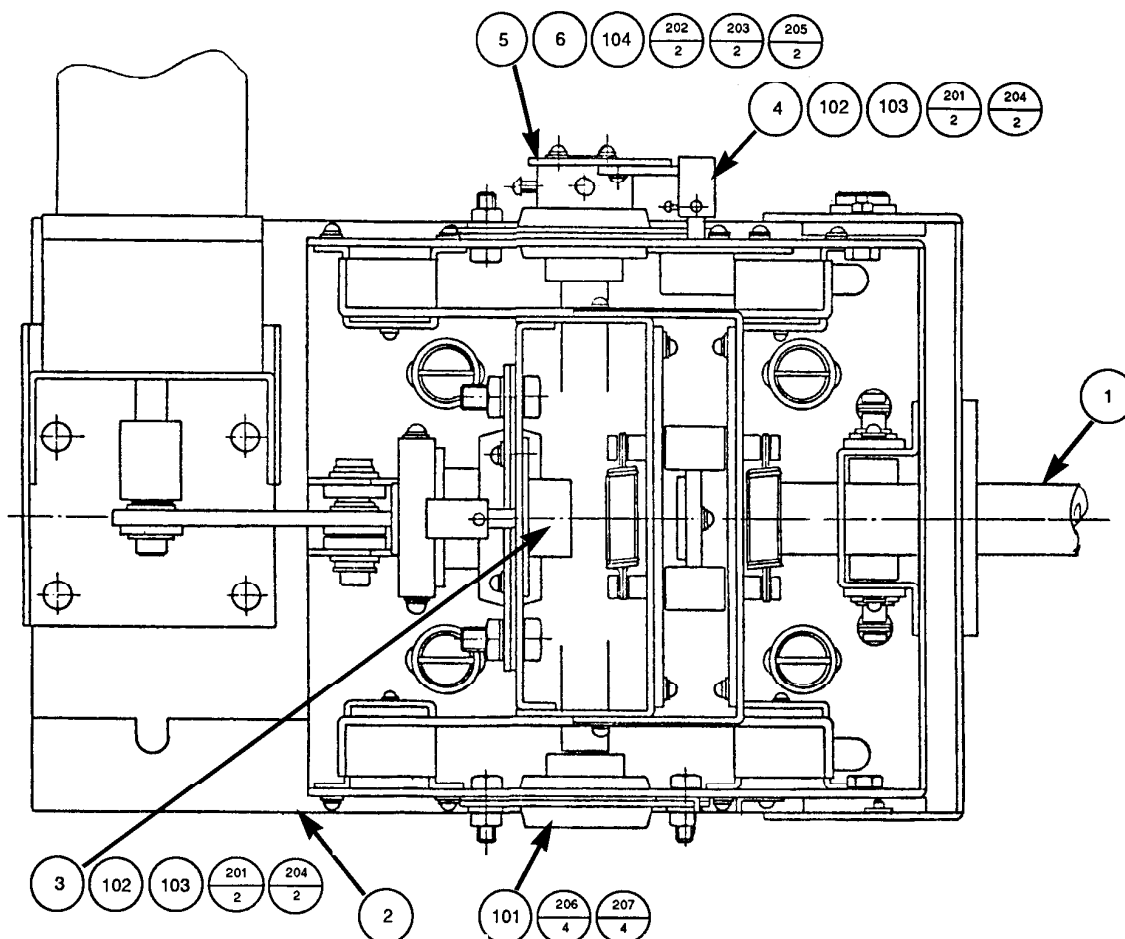
## 14. PARTS LIST



### ASSEMBLY CABINET PARTS LIST

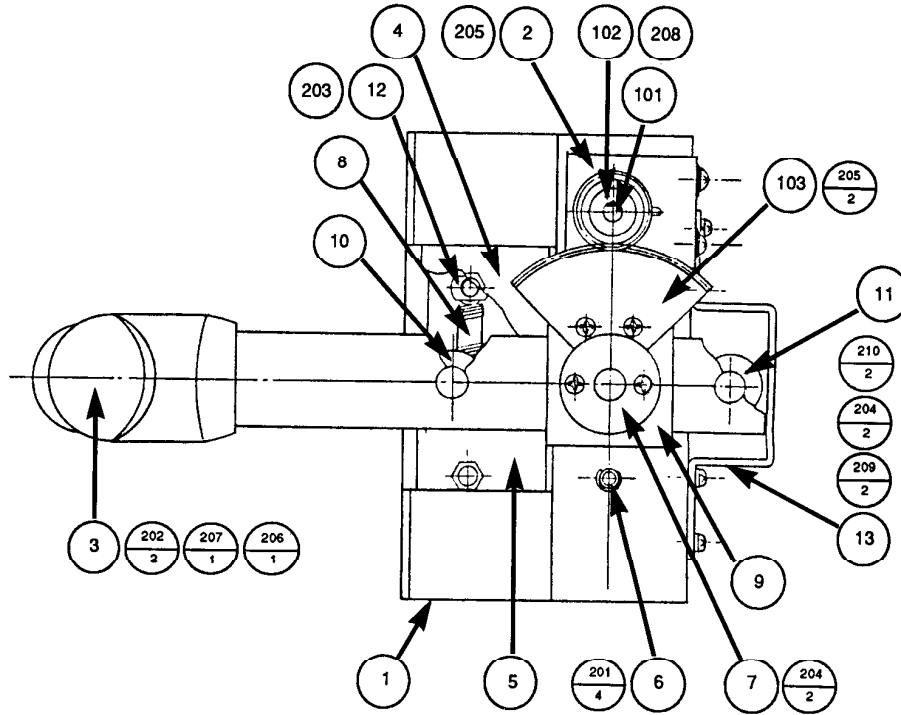
| ITEM | PARTS NUMBER | DESCRIPTION                 |
|------|--------------|-----------------------------|
| 1    | 000-0525     | M SCR PH M5X25 (PANEL)      |
| 2    | 008-0516     | TMP SCR M5X16 (PANEL)       |
| 3    | 008-0535     | TMP SCR M5X35 (TV DOOR)     |
| 4    | 029-0099     | TMP SCR M8X40 (PANEL)       |
| 5    | 1050-0064    | MAIN SW. BRACKET            |
| 6    | 1170-0184    | TERMINAL BLOCK, 4P          |
| 7    | 1170-5131    | TERMINAL BLOCK, 5P          |
| 8    | 1170-5131A   | TERMINAL LUG                |
| 9    | 130-5018     | SPEAKER 8-OHM 10W W/SHIELD  |
| 10   | 1500-0173    | CAPACITOR, 4700 $\mu$ F 50V |
| 11   | 1500-0173A   | CLAMP, CAP                  |
| 12   | 1502-0000    | POWER CORD RETAINER         |
| 13   | 1710-5151    | FAN SCREEN COVER            |

|    |              |                                       |
|----|--------------|---------------------------------------|
| 14 | 2000-5090    | TV MONITOR                            |
| 15 | 2141-5064    | LAMP SOCKET                           |
| 16 | 2200-0000    | COIN DOOR                             |
| 17 | 2200-5179    | VOL CONT B-5K                         |
| 18 | 2600-0011-01 | FAN 110V                              |
| 19 | 3901-5167    | LAMP 110V 30W                         |
| 20 | 400-5070     | DC/DC CONVERTER                       |
| 21 | 400-5071     | SW REGULATOR, 5V/7A                   |
| 22 | 4211-6671    | STICKER, DANGER                       |
| 23 | 4810-0157    | RECTIFIER, BRIDGE 2A                  |
| 24 | 5090-0039    | PUSH BUTTON POWER SW                  |
| 25 | 5090-5028    | PUSH BUTTON SW                        |
| 26 | 5140-0031    | FUSE 6A, FAST                         |
| 27 | 5240-0034    | FUSE 5A, FAST                         |
| 28 | 5140-0036    | FUSE 3A, FAST (MOTOR)                 |
| 29 | 5140-0064    | FUSE HOLDER 2P                        |
| 30 | 5142-0000    | FUSE HOLDER, PANEL                    |
| 31 | 5600-5115    | TRANSFORMER (160P6)                   |
| 32 | 6010-0001    | FUSE COVER                            |
| 33 | 6010-0042    | KNOB 22m                              |
| 34 | 6010-0429    | LINE FILTER                           |
| 35 | 834-6335     | GAME BOARD                            |
| 36 | 839-0035-01  | POWER AMP DC12V 10W                   |
| 37 | 839-0048     | SSR BOARD, MOTOR                      |
| 38 | 839-0051     | SSR BOARD, LAMP                       |
| 39 | 839-0108     | FILTER BOARD                          |
| 40 | KRO-1721     | SW BRACKET                            |
| 41 | TX-13001     | CONTROL PANEL ASSY                    |
| 42 | TX-1616      | WINDOW MASK ASSY                      |
| 43 | TX0-1623     | BRACKET, WINDOW MASK, TOP             |
| 44 | TX1-1601-D   | STICKER, SIDE R                       |
| 45 | TX1-1601-E   | STICKER, SIDE L                       |
| 46 | TX1-1601-F   | STICKER, SEGA                         |
| 47 | TX1-1605     | ORNAMENT PLATE, TOE GUARD             |
| 48 | TX1-1608     | MAIN BRACKET, CONTROL ORNAMENT SASH L |
| 49 | TX1-1609     | ORNAMENT SASH L                       |
| 50 | TX1-1610     | ORNAMENT SASH R                       |
| 51 | TX1-1617     | SHIELD COVER                          |
| 52 | TX1-1618     | SHIELD BASE                           |
| 53 | TX1-1619     | ACCESS PLATE                          |
| 54 | TX2-0000     | CORNER PROTECTOR, LEFT                |
| 55 | TX2-0001     | CORNER PRTOECTOR, RIGHT               |
| 56 | 220-5130     | VOL CONT B-5K (SPARE PARTS)           |
| 57 | 509-0058     | PUSH SW VALCUN (SPARE PARTS)          |
| 58 | 510-5009     | PUSH SW MISSILE (SPARE PARTS)         |
| 59 | 540-006-01   | WRENCH, M4 (SPARE PARTS)              |
| 60 | 540-0007-01  | WRENCH, M5 (SPARE PARTS)              |
| 61 | 540-0009-01  | WRENCH, M8 (SPARE PARTS)              |
| 62 | 601-5929     | MOTOR BRUSHES (SPARE PARTS)           |
| 63 | TX-1317      | EXT. SPRING (SPARE PARTS)             |
| 64 | TX-1330      | EXT. SPRING (SPARE PARTS)             |
| 65 | TX-1423      | EXT. SPRING (SPARE PARTS)             |



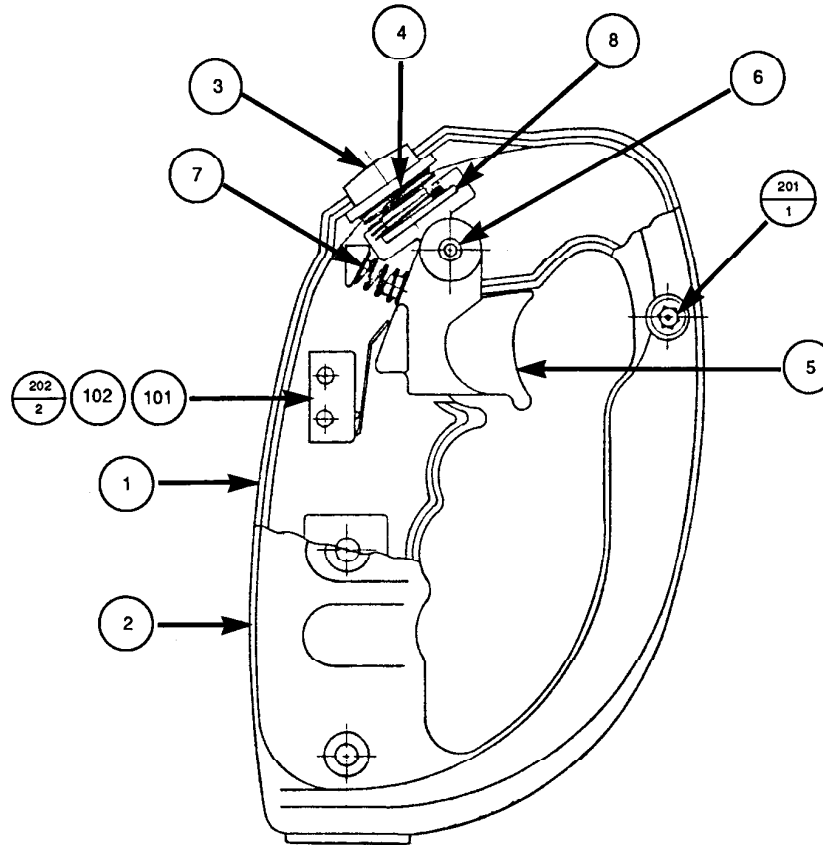
### CONTROLLER UNIT ASSEMBLY PARTS LIST

| ITEM | PARTS NUMBER | DESCRIPTION                |
|------|--------------|----------------------------|
| 1    | TX-1351      | SUB ASSEMBLY CONTROLLER    |
| 2    | TX-1352      | ASSEMBLY SHOCK MECHANISM   |
| 3    | TX-1318      | VR BRACKET A               |
| 4    | TX-1334      | VR BRACKET B               |
| 5    | TX-1307      | ADJUST PLATE               |
| 6    | MX-2017      | ADJUSTER                   |
| 101  | 100-5042     | BEARING D=12               |
| 102  | 220-5130     | VOL CONT 5KOHM             |
| 103  | 601-5410     | GEAR 15 D=16               |
| 104  | 601-5423     | GEAR 1/6                   |
| 201  | 000-0408-FS  | M SCR W/FS M4 X 8          |
| 202  | 000-0408-S   | M SCR W/FS M4 X 8          |
| 203  | 000-0412-FS  | M SCR W/FS M4 X 12         |
| 204  | 028-0003     | SET SCR PH SPECIAL M3 X 8  |
| 205  | 028-0021     | SET SCR PH SPECIAL M4 X 16 |
| 206  | 061-0006     | SPR WSHR M6                |
| 207  | 054-0006     | U NUT M6                   |



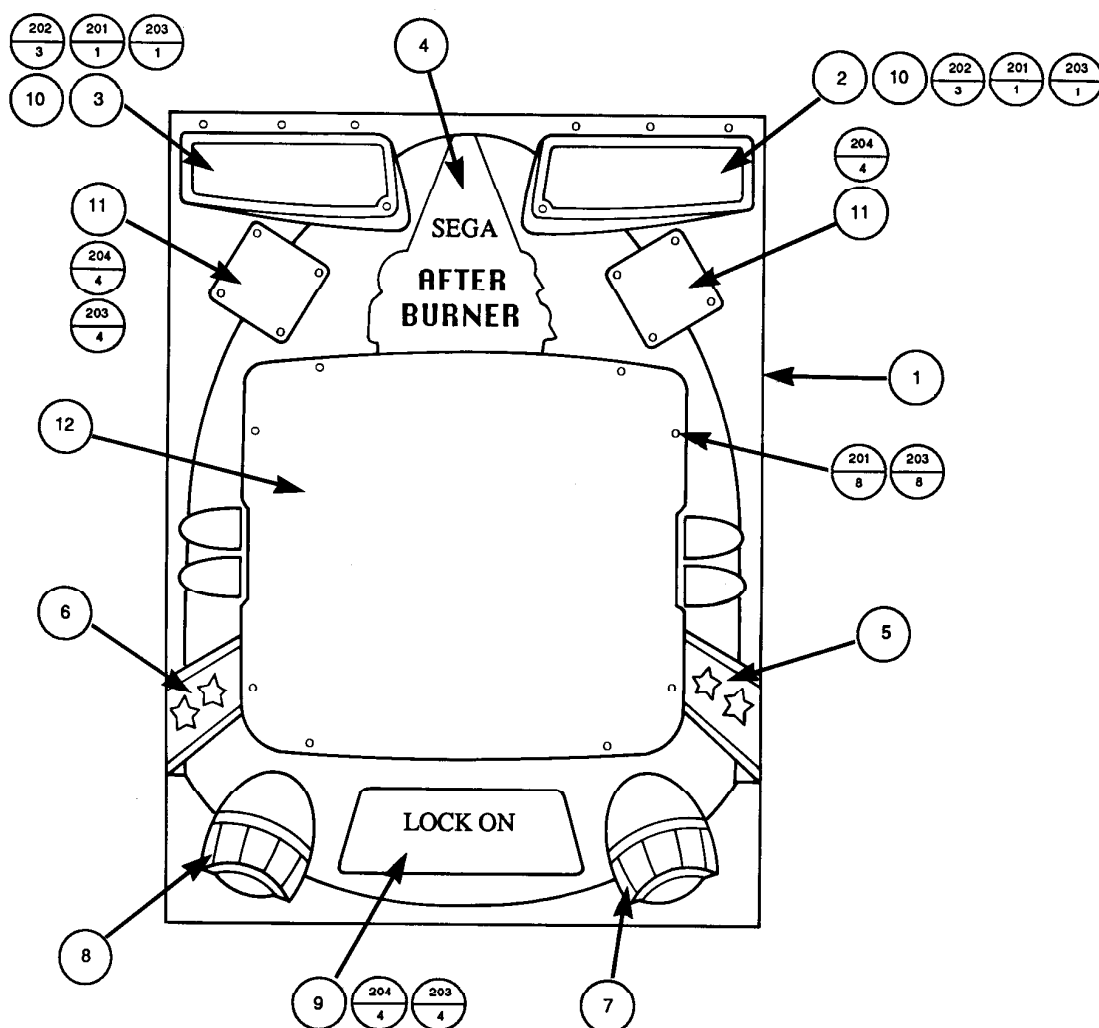
# THROTTLE ASSEMBLY PARTS LIST

| ITEM | PARTS NUMBER | DESCRIPTION               |
|------|--------------|---------------------------|
| 1    | TX-1418      | THROTTLE BASE             |
| 2    | TX-1419      | VR BRACKET                |
| 3    | TX-1402      | THROTTLE LEVER            |
| 4    | TX-1403      | SWING ARM A               |
| 5    | TX-1404      | SWING ARM B               |
| 6    | TX-1405      | SHAFT SWING ARM           |
| 7    | TX-1406      | GUIDE RING                |
| 8    | TX-1423      | EXT. SPRING               |
| 9    | TX-1003      | ADJUST PLATE              |
| 10   | CY-2307      | ROLLER                    |
| 11   | KR-1303      | STOPPER PLATE             |
| 12   | TX-1422      | STUD                      |
| 13   | TX-1430      | STOPPER BRACKET U/R       |
| 101  | 220-5130     | VOL CONT B-5K OHM         |
| 102  | 601-5424     | GEAR 30                   |
| 103  | 601-5863     | GEAR 1/4                  |
| 201  | 065-0004     | E RING 4mm                |
| 202  | 065-0008     | E RING 8 mm               |
| 203  | 054-0006     | U NUT M6                  |
| 204  | 000-0414-S   | M SCR PH W/S M4 X 14      |
| 205  | 000-0408-FS  | M SCR PH W/FS M4 X 8      |
| 206  | 060-0010     | FLT WSHR M 10             |
| 207  | 045-0022     | COT PIN 2.5 X 20          |
| 208  | 028-0014     | SET SCR HEX SKT CP M4 X 4 |
| 209  | 000-0406-S   | M SCR PH W/S M4 X 6       |
| 210  | 054-0004-S   | U NUT M4                  |



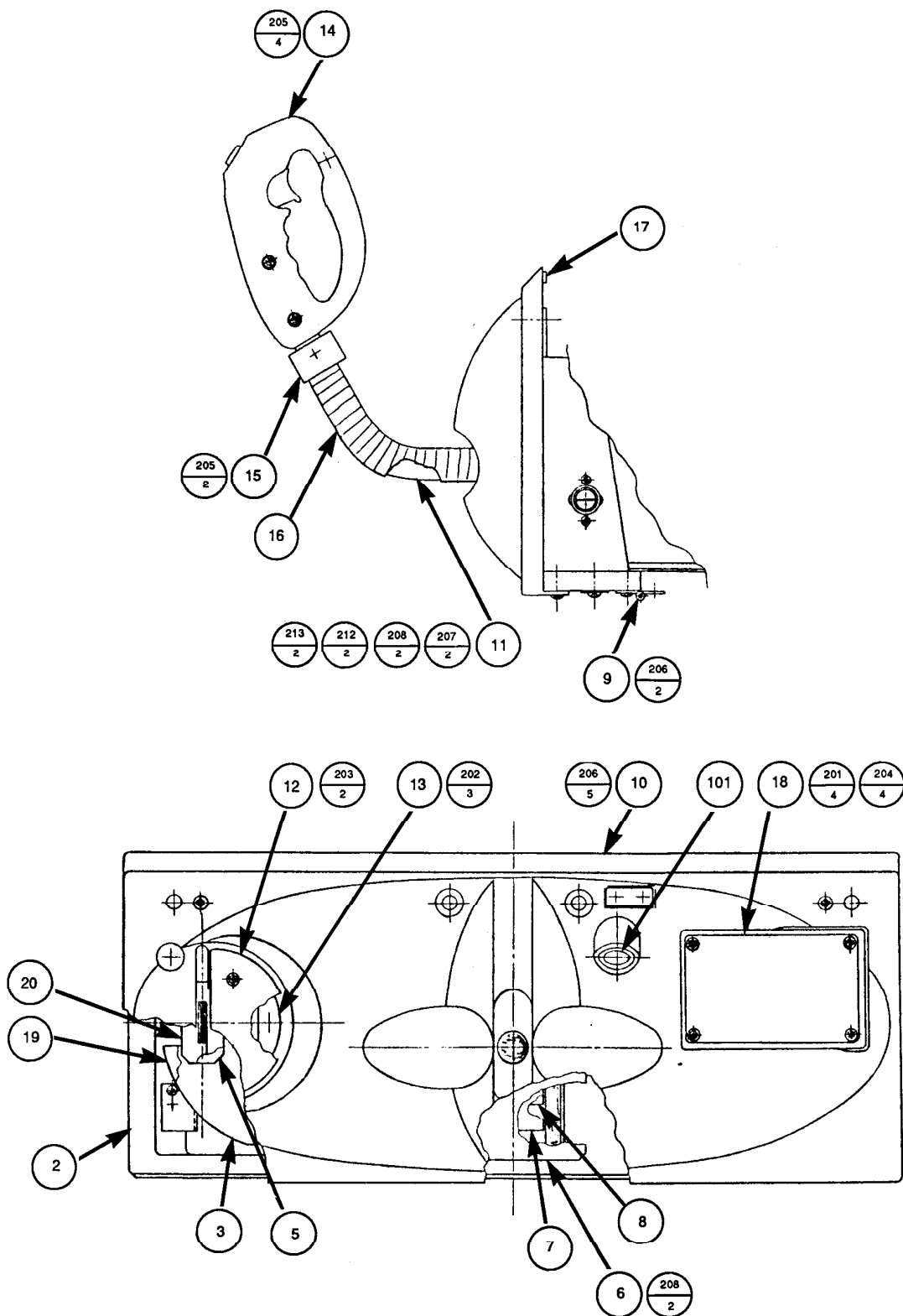
# HANDLE GRIP ASSEMBLY PARTS LIST

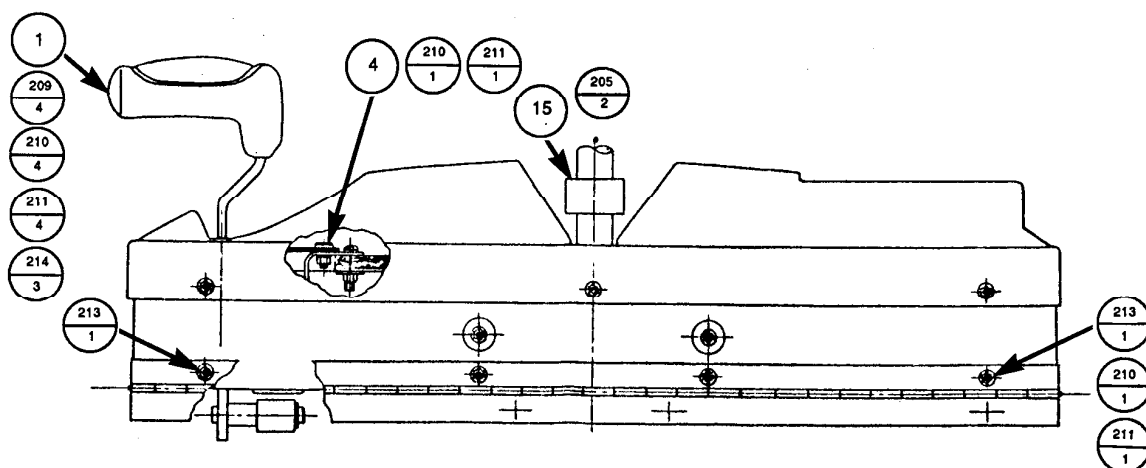
| ITEM | PARTS NUMBER | DESCRIPTION               |
|------|--------------|---------------------------|
| 1    | TX-1336      | HANDLE GRIP LEFT          |
| 2    | TX-1337      | HANDLE GRIP RIGHT         |
| 3    | TX-1338      | BUTTON                    |
| 4    | TX-1339      | COMPRESSION SPRING        |
| 5    | CD-2041      | TRIGGER                   |
| 6    | CD-2042      | SHAFT TRIGGER             |
| 7    | 125-0011     | COMPRESSION SPRING        |
| 8    | 839-0087     | SWITCH BOARD              |
| 9    | 600-5521     | WIRE HARNESS, HANDLE GRIP |
| 101  | 509-0058     | MICRO SWITCH              |
| 201  | 029-0052     | TMP PRF SCR PH M5 X 10    |
| 202  | 029-0134     | M SCR PH M2 X 10          |



# FRONT MASK ASSEMBLY PARTS LIST

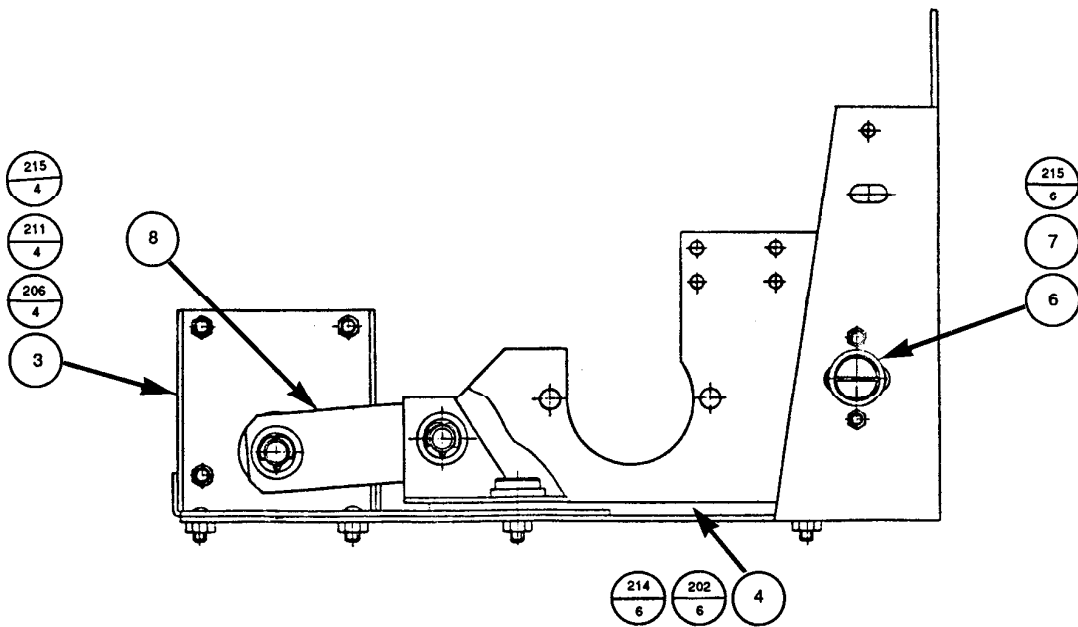
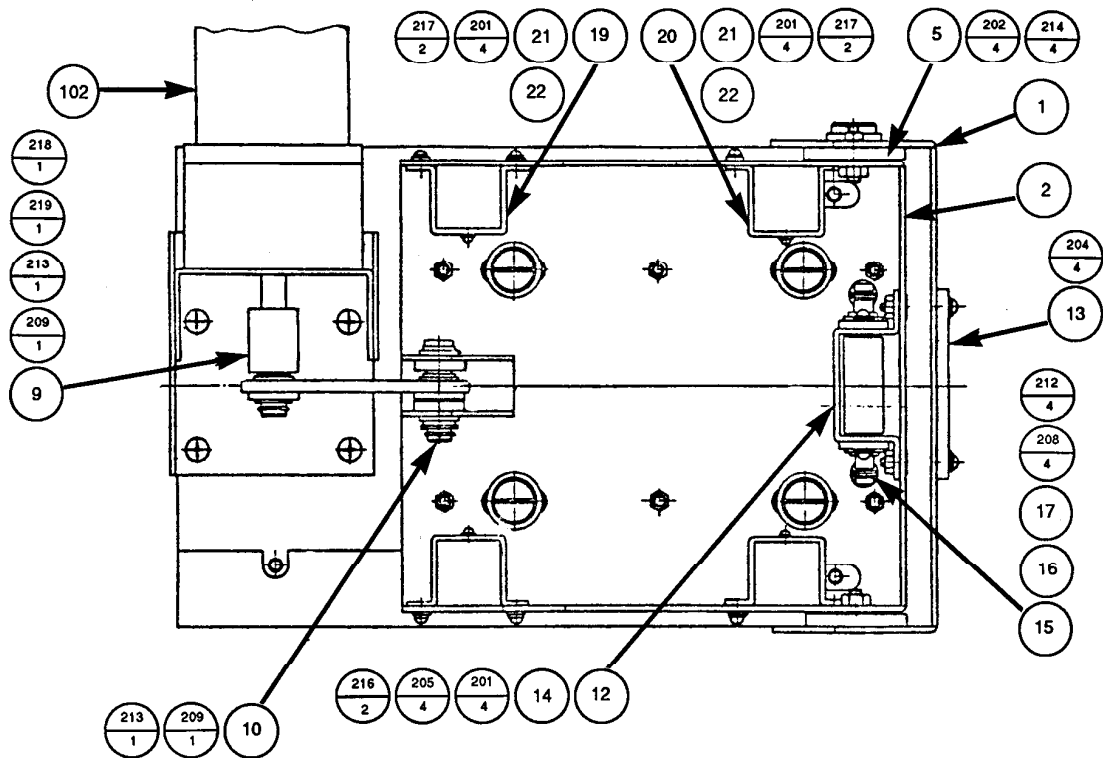
| ITEM | PARTS NUMBER | DESCRIPTION               |
|------|--------------|---------------------------|
| 1    | TX1-1616-A   | FRONT PANEL W/OUT MASK    |
| 2    | TX1-1616-B   | PLATE R                   |
| 3    | TX1-1616-C   | PLATE L                   |
| 4    | TX1-1616-D   | STICKER, AFTER BURNER     |
| 5    | TX1-1616-E   | STICKER, SIDE R           |
| 6    | TX1-1616-F   | STICKER, SIDE L           |
| 7    | TX1-1616-G   | STICKER, JET NOZZLE R     |
| 8    | TX1-1616-H   | STICKER, JET NOZZLE L     |
| 9    | TX1-1616-J   | PLATE, LOCK-ON            |
| 10   | TX1-1616-K   | BRACKET                   |
| 11   | TX1-1616-L   | GUARD PLATE, SPEAKER      |
| 12   | TX1-1616-AX  | SCREEN, CLEAR SMOKE       |
| 201  | 008-0416     | TMP SCR M4X16             |
| 202  | 031-0414-B   | CARRIAGE BOLT BLACK M4X14 |
| 203  | 051-0004     | FLANGE NUT M4             |





### CONTROL PANEL ASSEMBLY PARTS LIST

| ITEM | PARTS NUMBER | DESCRIPTION             |
|------|--------------|-------------------------|
| 1    | TX-14001     | ASSEMBLY THROTTLE       |
| 2    | TX-1341      | CON PANEL BASE          |
| 3    | TX-1342      | FLAG PLATE              |
| 4    | TX-1343      | SHLDER SCREW            |
| 5    | TX-1344      | COVER                   |
| 6    | TX-1345      | GUIDE PLATE             |
| 7    | TX-1346      | SLIDE PLATE A           |
| 8    | TX-1347      | SLIDE PLATE B           |
| 9    | TX-1366      | HINGE 590               |
| 10   | TX-1348      | CONTROL PANEL COVER     |
| 11   | TX-1350      | ASSEMBLY CONTROLLER     |
| 12   | TX-1349      | THROTTLE COVER          |
| 13   | TX-1367      | COVER HOLDER            |
| 14   | TX-1335      | ASSEMBLY HANDLE GRIP    |
| 15   | TX-1310      | HOLDER A                |
| 16   | TX-1356      | PROTECT TUBE            |
| 17   | HN-1069      | RUBBER CUSHION          |
| 18   | 422-0209     | PLAY INSTRUCTION PLATE  |
| 19   | TX-1369      | FLAG                    |
| 20   | TX-1370      | COVER A                 |
| 101  | 509-5050     | START SWITCH W/LMAP     |
| 201  | 059-0014     | WELL NUT M4             |
| 202  | 001-0406     | M SCR FH M4 X 6         |
| 203  | 008-0408     | TMP PRF SCR M4 X 8      |
| 204  | 008-0416     | TMP PRF SCR M4 X 16     |
| 205  | 029-0052     | TMP PRF SCR M5 X 10     |
| 206  | 08-0516      | TMP PRF SCR M5 X 16     |
| 207  | 008-0520     | TMP PRF SCR M5 X 20     |
| 208  | 000-0516-FS  | M SCR PH W/FS M5 X 16   |
| 209  | 000-0525     | M SCR PH M5 X 25        |
| 210  | 061-0005     | SPR WSHR M5             |
| 211  | 054-0005     | U NUT M5                |
| 212  | 069-0064     | FLT WSHR BLK 5.5-20 X 6 |
| 213  | 008-0525     | TMP PRF SCR TH M5 X 25  |
| 214  | 005-3113-F   | W SCR PH W/F 3.1 X 13   |



# SHOCK MECHANICAL UNIT PARTS LIST

| ITEM | PARTS NUMBER | DESCRIPTION               |
|------|--------------|---------------------------|
| 1    | TX-1353      | MAIN BASE                 |
| 2    | TX-1354      | MOVING BASE               |
| 3    | TX-1357      | MOTOR BRACKET             |
| 4    | TX-1358      | SLIDE PLATE BOTTOM        |
| 5    | TX-1359      | SLIDE PLATE SIDE          |
| 6    | TX-1360      | GUIDE WASHER              |
| 7    | TX-1361      | SHOULDER SCREW            |
| 8    | TX-1362      | ROD                       |
| 9    | TX-1363      | CAM                       |
| 10   | TX-1364      | SHAFT                     |
| 12   | TX-1325      | SPRING BRACKET            |
| 13   | TX-1326      | FRONT GUIDE               |
| 14   | TX-1327      | SIDE PLATE                |
| 15   | TX-1328      | SHAFT B                   |
| 16   | TX-1329      | PIPE                      |
| 17   | TX-1330      | EXT. SPRING               |
| 19   | TX-1331      | HOLDER L                  |
| 20   | TX-1332      | HOLDER R                  |
| 21   | TX-1333      | BUMPER B                  |
| 102  | 350-5113     | MOTOR DC45V               |
| 201  | 000-0412-FS  | M SCR M4 X 12             |
| 202  | 001-0414     | M SCR M4 X 14             |
| 204  | 000-0510-FS  | M SCR M5 X 10             |
| 205  | 000-0512     | M SCR M5 X 12             |
| 206  | 029-0035     | M SCR M6 X 12             |
| 208  | 060-0008     | FLT WSHR M8               |
| 209  | 060-0010     | FLT WSHR M10              |
| 211  | 061-0006     | SPR WSHR M6               |
| 212  | 065-0006     | E RING 6mm                |
| 213  | 045-0022     | COT PIN 2.5 X 20          |
| 214  | 054-0004     | U NUT M4                  |
| 215  | 054-0006     | U NUT M6                  |
| 216  | 054-0005     | U NUT M5                  |
| 217  | 000-0305-S   | M SCR M3 X 5              |
| 218  | 028-0012     | SET SCREW SPECIAL M5 X 12 |
| 219  | 045-0014     | SPR PIN 3 X 26            |

839-6335 ~  
GAME ED AFTER BURNER

839-0108  
FILTER ED AFTER BURNER 1/6

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