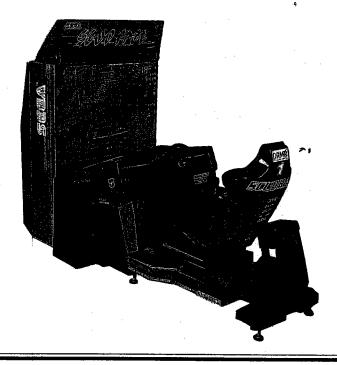
SEGA TO SECOND S



SCUD RACE DELUXE TYPE (for countries other than USA) SEGA SUPER GT DELUXE TYPE (for USA only)

OWNER'S MANUAL





- Before using this product, read this MANUAL carefully to understand the contents herein stated.
- After reading this manual, be sure to keep it available nearby the product or elsewhere convenient for referring to it anytime when necessary.

SEGA ENTERPRISES, LTD.

MANUAL NO. 420 - 6258 - 01

BEFORE USING THE PRODUCT, BE SURE TO READ THE FOLLOWING:

To maintain the safety:

To ensure the safe usage of the product, be sure to read the following before using the product. The following instructions are intended for the users, operators and the personnel in charge of the operation of the product. After carefully reading and sufficiently understanding the warning displays and cautions, handle the product appropriately. Be sure to keep this manual nearby the product or elsewhere convenient for referring to it when necessary.

Herein, explanations which require special attention are enclosed with dual lines. Depending on the potentially hazardous degrees, the terms of WARNING!, CAUTION! and IMPORTANT! are used. Be sure to understand the contents of the displays before reading the text.



Indicates that mishandling the product by disregarding this warning will cause a potentially hazardous situation which can result in death or serious injury.



Indicates that mishandling the product by disregarding this caution will cause a potentially hazardous situation which can result in personal injury and or material damage.



Indicates that mishandling the product by disregarding this display can cause the product's intrinsic performance not to be obtained, resulting in malfunctioning.

For the safe usage of the product, the following symbol marks are used:



Indicates "HANDLE WITH CARE." In order to protect the human body and equipment, this display is attached to places where the Owner's Manual and or Service Manual should be referred to.



Indicates a "Protective Earth Terminal." Before operating the equipment, be sure to connect it to the Ground.

- O Be sure to turn off power before working on the machine.
 - To prevent electric shock, be sure to turn off power before starting the work in which the worker touches the interior of the product. If the work is to be performed in the power-on status, the Instruction Manual herein always states to that effect.
- O Be sure to ground the Earth Terminal (this, however, is not required in the case where a power cord with earth is used).

 This product is equipped with the Earth Terminal. When installing the product, Connect the Earth Terminal to the "accurately grounded indoor earth terminal" by using an earth wire. Unless the product is grounded appropriately, the user can be subject to electric shock. After performing repair, etc. for the Control equipment, ensure that the Earth Wire is firmly connected to the Control equipment.
- Ensure that the Power Supply used is equipped with an Earth Leakage Breaker.
 - This product does not incorporate the Earth Leakage Breaker. Using a power supply which is not equipped with the Earth Leakage Breaker can cause a fire when earth leakage occurs.
- O Be sure to use fuses which meet the specified rating.
 Using fuses exceeding the specified rating can cause a fire and electric shock.

 Specification changes (removal of equipment, conversion and addition) not designated by SEGA are not allowed.

The parts of the product include warning labels for safety, covers for personal protection, etc. It is very hazardous to operate the product by removing parts and or modifying the circuits. Should doors, lids and protective parts be damaged or lost, refrain from operating the product, and contact the distributor, etc. where the product was purchased from.

 Ensure that the product meets the requirements of appropriate Electrical Specifications.

Before installing the product, check for Electrical Specifications. SEGA products have a nameplate on which Electrical Specifications are described. Ensure that the product is compatible with the power supply voltage and frequency requirements of the location. Using any Electrical Specifications different from the designated Specifications can cause a fire and electric shock.

 Install and operate the product in places where appropriate lighting is available, allowing warning labels to be clearly read.

To ensure safety for the customers, labels and printed instructions describing potentially hazardous situation are applied to places where accidents can be caused. Ensure that where the product is operated has sufficient lighting allowing the warnings to be read. If any label is peeled off, apply it again immediately.

O When handling the Monitor, be very careful. (Applies only to the product w/monitor).

Some of the monitor (TV) parts are subject to high tension voltage. Even after turning off power, some portions are still subject to high tension voltage sometimes. Monitor repair and replacement should be performed only by those technical personnel who have knowledge of electricity and technical expertise.

In the case where commercially available monitors and printers are used in this product, only the contents relating to this product are explained herein. Some commercially available equipment has functions and reactions not stated in this manual. Read this manual together with the specific Instruction Manual of such equipment.

- Descriptions herein contained may be subject to improvement changes without notice.
- The contents described herein are fully prepared with due care. However, should any question arise or errors be found, please contact SEGA.

INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION.

Normally, at the time of shipment, SEGA products are in a status allowing for usage immediately after transporting to the location. Nevertheless, an irregular situation may occur during transportation. Before turning on power, check the following points to ensure that the product has been transported in a satisfactory status.

| | ensure that the product has been transported in a sanstactory status. |
|---|---|
| | Are there any dented portions or defects (cuts, etc.) on the external surfaces of the cabinet? |
| | Are Casters and Leg Adjusters damaged? |
| | Do the power supply voltage and frequency requirements meet with those of the location? |
| 0 | Are all wiring connectors correctly and securely connected? Unless connected in the correct direction, connector connections can not be made accurately. Do not insert connectors forcibly. |
| | Are all IC's of each IC BD firmly inserted? |
| | Do power cords have cuts and dents? |
| O | Do the fuses used meet specified rating? Is the Circuit Protector in an energized status? |
| 0 | Are such units as Monitors, Control equipment, IC BD, etc. firmly secured? Are all Earth Wires connected? |
| | Are all accessories available? |
| | Can all Doors and Lids be opened with the Accessory keys? Can Doors and Lids be firmly closed? |

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SPECIFICATIONS

Installation space : 1,198 mm (W) \times 2,688 mm (D)

 $(47.2 \text{ in.} \times 105.8 \text{ in.})$

Height : 1,880 mm (74.0 in.)
Weight : 412 kg. (908.3 lbs.)

Power, maximum current : 624 W 7.12 A (AC 110V 50 Hz AREA)

605 W 6.82 A (AC 110V 60 Hz AREA)

607 W 6.29 A (AC 120V 60 Hz AREA)

677 W 3.82 A (AC 220V 50 Hz AREA)

633 W 3.51 A (AC 220V 60 Hz AREA)

664 W 3.56 A (AC 230V 50 Hz AREA)

635 W 3.39 A (AC 230V 60 Hz AREA)

644 W 3.30 A (AC 240V 50 Hz AREA)

638 W 3.24 A (AC 240V 60 Hz AREA)

For TAIWAN

Power, current : 630 W 7.00 A (MAX.)

410 W 4.75 A (MIN.)

MONITOR : 50 INCH PROJECTION DISPLAY

INTRODUCTION OF THE OWNER'S MANUAL

SEGA ENTERPRISES, LTD., supported by its high electronic technology of LSIs, microprocessors, 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 descriptions together with all the necessary information covering the general operation of electronic assemblies, electromechanicals, servicing control, spare parts, etc. as regards

SCUD RACE DELUXE TYPE (for countries other than USA) or SEGA SUPER GT DELUXE TYPE (for USA only), a new SEGA product.

This manual is intended for those who have knowledge of electricity and technical expertise especially in ICs, CRTs, microprocessors, etc. Carefully read this manual 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. Should such a case arise, contact our Main Office or the following office.

SEGA ENTERPRISES, INC. (U.S.A.)/CUSTOMER SERVICE 45133 Industrial Drive, Fremont, California 94538, U.S.A.

Phone : (415) 802-3100 Fax : (415) 802-1754

1. HANDLING PRECAUTIONS

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

Non-compliance with the following points or inappropriate handling running counter to the cautionary matters herein stated can cause personal injury or damage to the machine.



- Before performing the work, be sure to turn power off. Performing the work without turning power off can cause an electric shock or short circuit.
- To avoid electric shock or short circuit, do not insert or pull out the plug quickly.
- Do not expose Power Cords and Earth Wires on the surface, (floor, passage, etc.). If exposed, the Power Cords and Earth Wires are susceptible to damage. Damaged cords and wires can cause electric shock or short circuit.
- To avoid causing a fire or electric shock, do not put things on or damage Power Cords.
- When or after installing the product, do not unnecessarily pull the power cord. If damaged, the power cord can cause a fire or electric shock.
- Be sure to perform grounding appropriately. Inappropriate grounding can cause an electric shock.
- Be sure to use fuses meeting specified rating. Using fuses exceeding the specified rating can cause a fire or electric shock.
- Completely make connector connections for IC BD and others.
 Insufficient insertion can cause an electric shock.
- To avoid causing a fire or electric shock, do not make Specification changes by removing, converting and making additions unless otherwise designated by SEGA.
- Be sure to perform periodic maintenance inspections herein stated.



Also, for the IC board circuit inspections, only the logic tester is allowed. The use of a multiple-purpose tester is not permitted, so be careful in this regard.

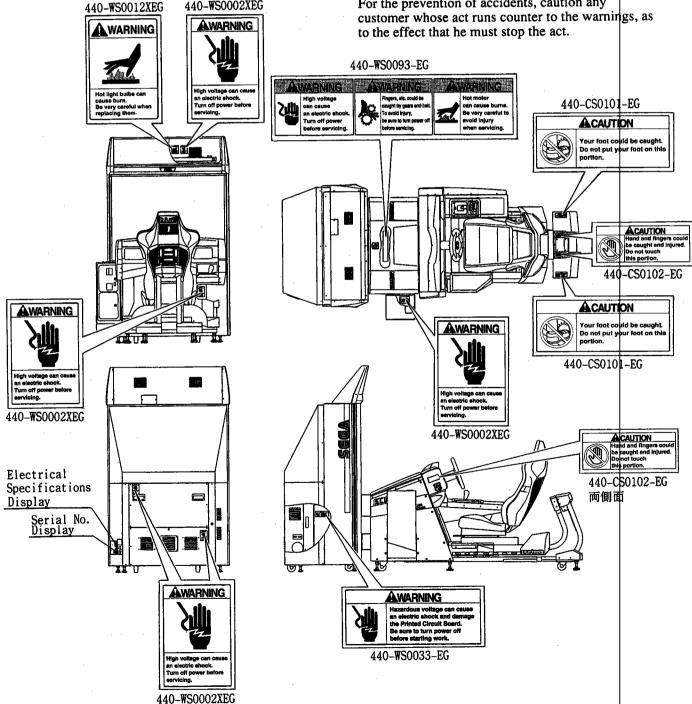
CONCERNING THE STICKER DISPLAY

SEGA product has Stickers describing the product manufacture No. (Serial No.) and Electrical Specifications. Also it has a Sticker describing where to contact for repair and for purchasing parts. When inquiring about or asking for repair, mention the Serial No. and Name of Machine indicated on the Sticker. The Serial No. indicates the product register. Identical machines could have different parts depending on the date of production. Also, improvements and modifications might have been made after the publication of this Manual. In order to meet the above situations, mention the Serial No. when contacting the applicable places.

440-WS0002XEG

CONCERNING WARNING DISPLAYS

SEGA product has warning displays on Stickers, Labels and or printed instructions adhered / attached to or incorporated in the places where a potentially hazardous situation can arise. The warning displays are intended for accident prevention for the customers and for avoiding hazardous situation relating to maintenance and servicing work. There are some portions in the Cabinet, which are subject to high tension voltage, etc. where accidents can be caused only by touching. When performing the servicing work, be very careful of the warning displays. Especially, any complex repair and replacement work not mentioned herein, should be performed by those technical personnel who have knowledge of electricity and technical expertise. For the prevention of accidents, caution any customer whose act runs counter to the warnings, as to the effect that he must stop the act.



2. PRECAUTIONS CONCERNING INSTALLATION LOCATION



This product is an indoor game machine. Do not install it outside. Even indoors, avoid installing in places mentioned below so as not to cause a fire, electric shock, injury and or malfunctioning.

- Places subject to rain or water leakage, or places subject to high humidity in the proximity of an indoor swimming pool and or shower, etc.
- Places subject to direct sunlight, or places subject to high temperatures in the proximity of heating units, etc.
- Places filled with inflammable gas or vicinity of highly inflammable/volatile chemicals or hazardous matter.
- Dusty places.
- Sloped surfaces
- Places subject to any type of violent impact.
- Vicinity of anti-disaster facilities such as fire exits and fire extinguishers.
- The operating (ambient) temperature range is from 5°C to 40°C.
 Only in the case a projector is employed, the temperature range is from 5°C to 30°C.

LIMITATIONS OF USAGE REQUIREMENTS



- Be sure to check the Electrical Specifications.
 Ensure that this product is compatible with the location's power supply, voltage and frequency requirements.
 - A plate describing Electrical Specifications is attached to the product. Non-compliance with the Electric Specifications can cause a fire and electric shock.
- This product requires the Breaker and Earth Mechanisms as part of the location facilities. Using them in a manner not independent can cause a fire and electric shock.
- Ensure that the indoor wiring for the power supply is rated at 15A or higher (AC single phase 100~120V), and 7A or higher (AC 220~240V). Non-compliance with the Electrical Specifications can cause a fire and electric shock.
- Be sure to independently use the power supply equipped with the Earth Leakage Breaker. Using a power supply without the Earth Leakage Breaker can cause an outbreak of fire when earth leakage occurs.
- Putting many loads on one electrical outlet can cause generation of heat and a fire resulting from overload.
- When using an extension cord, ensure that the cord is rated at 15A or higher (AC 100~120V area) and 7A or higher (AC 220~240V area). Using a cord rated lower than the specified rating can cause a fire and electric shock.



- Note that for transporting the machine into the location's building, the minimum necessary dimensions of the opening (of doors, etc.) are 1.2m (W) and 1.2m(H).
- For the operation of this machine, secure a minimum area of 1.5m (W) × 3m (D).
- Provide sufficient space so as to allow this product's ventilation fan to function efficiently. To avoid machine malfunctioning, do not turn off power for the fan, or do not place any obstacles near the ventilation opening.

Electric current consumption

MAX. 7.12 A (AC 110V 50 Hz) MAX. 6.82 A (AC 110V 60 Hz) MAX. 6.29 A (AC 120V 60 Hz) MAX. 3.82 A (AC 220V 50 Hz) MAX. 3.51 A (AC 220V 60 Hz) MAX. 3.56 A (AC 230V 50 Hz) MAX. 3.39 A (AC 230V 60 Hz) MAX. 3.30 A (AC 240V 50 Hz) MAX. 3.24 A (AC 240V 60 Hz) MAX. 7.00 A (For TAIWAN)

3. OPERATION

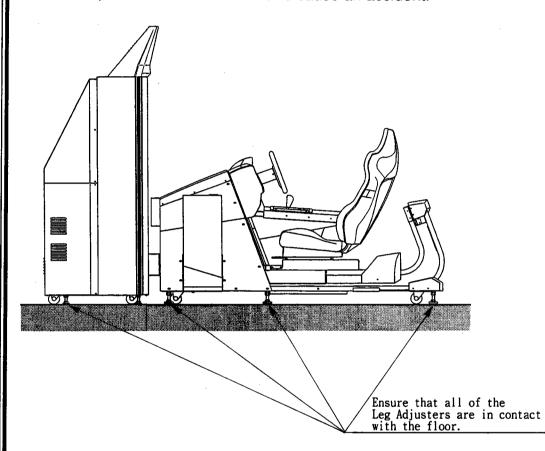
The Cockpit of this product sways during game play. In order to prevent accidents, be sure to comply with the following points before and during operation.

PRECAUTIONS TO BE HEEDED BEFORE STARTING THE OPERATION



In order to avoid accidents, check the following before starting the operation:

Check if all of the leg adjusters are in contact with the surface. If they
are not, the Cabinet can move and cause an accident.



- Do not put any heavy item on this product. Placing any heavy item on the product can cause a falling down accident or parts damage.
- Do not climb on the product. Climbing on the product can cause falling down accidents. To check the top portion of the product, use a step.



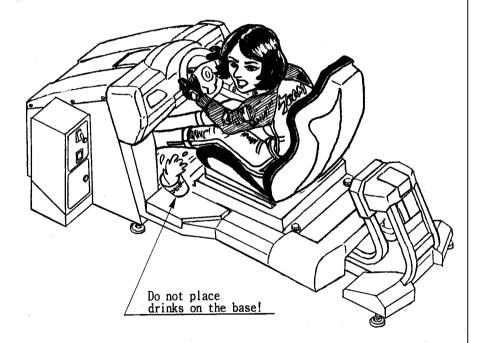
To avoid injury, be sure to provide sufficient space by considering the potentially crowded situation at the installation location. Insufficient installation space can cause the player to come into contact with or hit the others and result in injury or trouble.

PRECAUTIONS TO BE HEEDED (BY CUSTOMERS) DURING OPERATION

To avoid injury and trouble, be sure to constantly give careful attention to the behavior and manner of the visitors and players.



- To avoid injury and accidents, those who fall under the following categories are not allowed to play the game.
 - · Intoxicated persons.
 - · Pregnant women or those who are in the likelihood of pregnancy.
 - · Those who need assistance such as the use of an apparatus when walking.
 - · Those who have high blood pressure or a heart problem.
 - Those who have experienced muscle convulsion or loss of consciousness when exposed to intensive light stimulus due to watching television, playing video game or water surface flickering.
 - · Persons susceptible to motion sickness.
 - Persons whose act runs counter to the product's warning displays.
- To avoid injury resulting from falling down, and electric shock due to spilled drinks, instruct the player not to place heavy items or drinks on the product.

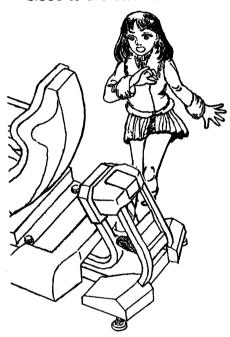


- To avoid electric shock and short circuit, do not allow customers to but hands and fingers or extraneous matter in the openings of the product or small openings in or around the doors.
- To avoid falling down and injury resulting from falling down, immediately stop the customer's leaning against or climbing on the product, etc.
- To avoid electric shock and short circuit, do not allow the customers to unplug the power plug without a justifiable reason.



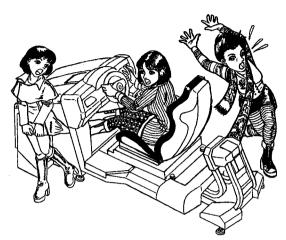
During game play, the Cockpit of this product sways. To avoid injury, persons other than the player should stay away from the cabinet. Be sure to pay careful attention to the movements of the customers who are in the periphery of the machine, particularly when the location is most crowded.

In the Cockpit's front and back areas, your hand & fingers, and clothes could be caught in. Instruct persons other than the player not to come close to the cabinet.

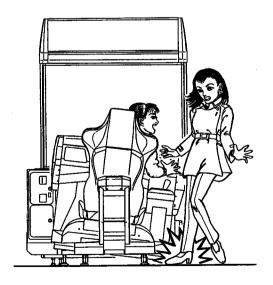


 Pay special attention to small children who can not perceive potentially hazardous situation.





- Your arm and foot could be caught between frames and cause injury.
 Instruct persons other than the player not to get on the cabinet during game play.
- When the Cockpit sways, space between the Cockpit Base and the floor surface becomes narrower. Caution on-lookers not to put one's foot under the Cockpit.



Immediately stop such violent acts as hitting and kicking the product. Such violent acts can cause parts damage or falling down, resulting in injury due to fragments and falling down.

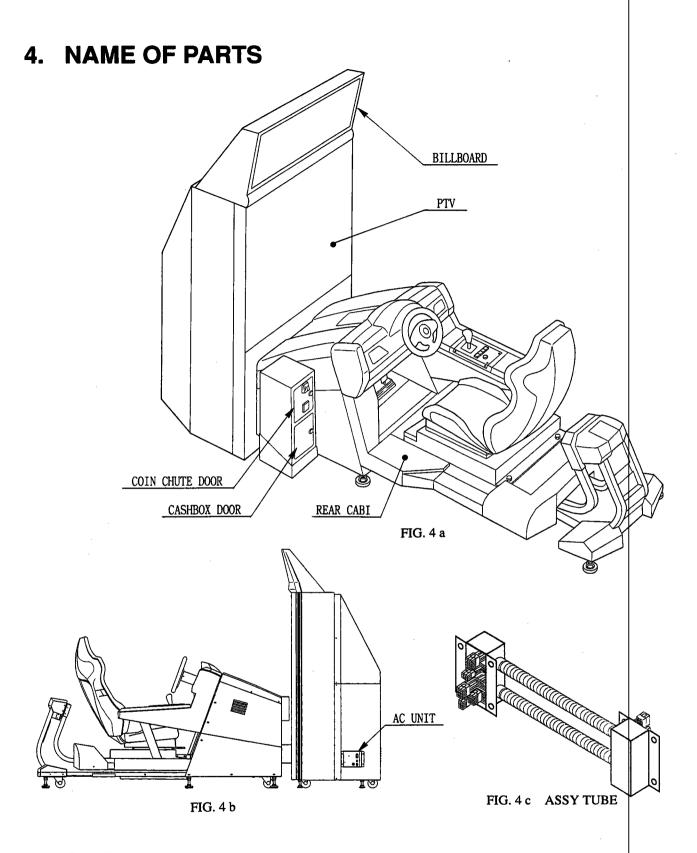


TABLE 4

| | Width × Length × Height | Weight |
|-----------|---|---------------|
| PTV | $1,098mm(W) \times 702mm(D) \times 1,539mm(H)$ | Approx. 156kg |
| BILLBOARD | 1,098mm(W) × 398mm(D) × 341mm(H) | Approx. 16kg |
| REAR CABI | $1,198$ mm(W) $\times 1,966$ mm(D) $\times 1,190$ mm(H) | Approx. 240kg |

5. ACCESSORIES

When transporting the machine, make sure that the following parts are supplied.

TABLE 5 ACCESSORIES

DESCRIPTION Part No. (Qty.)

OWNERS MANUAL 420-6258-01 (1)

Note

Figures

If Part No. has no description, the Number has not been registered or can not be registered. Such a part may not be obtainable even if the customer desires to purchase it. Therefore, ensure that the part is in safekeeping with you. KEY MASTER

KEY

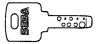
220-5576 (2)

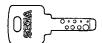
(2)

For opening/closing

For the CASHBOX DOOR

the doors





FUSE 7000mA 125V 514-5036-7000 (1)

For spare, refer to Section 15.

SERVICE MANUAL 420-6286-01 (1)

SW MICRO TYPE 509-5636 (3)

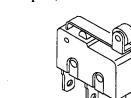
For spare, refer to Section 9.



VOL CONT B-5K OHM

220-5373

to Section 8, 10.



220-5484

For spare, refer

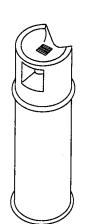
GLASS CLEANER

Glass of the Projector. Refer to

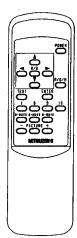
090-0174 (1) Used for cleaning the Front 13-1.



STATICIDE 090-0074 (1) For spare, See Sec. 15.



MITSUBISHI Remote Control for Projector Used for adjustment. See Sec. 13. 200-5532(1)



6. ASSEMBLING AND PRECAUTIONS



Perform the assembly work by following the procedure herein stated.
 Failing to comply with the instructions can cause an electric shock.

Assembling should be performed as per this manual. Since this is a complex machine, erroneous assembling can cause an electric shock or damage to the machine resulting in not functioning as per specified performance.

When assembling, be sure to perform the work by plural persons. Depending on the assembly work, there are some cases in which performing the work by a single person can cause personal injury or parts damage.

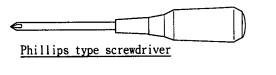
 Ensure that connectors are accurately connected. Incomplete connections can cause electric shock.

 Be careful so as not to damage wirings. Damaged wiring can cause an electric shock and short circuit.

When carrying out the assembly work, follow the procedure in the following 5-item sequence:

1 ASSEMBLING THE FRONT CABINET
2 WIRING CONNECTIONS BETWEEN THE CABINETS
3 SECURING IN PLACE (LEG ADJUSTER ADJUSTMENT)
4 POWER SUPPLY, AND EARTH CONNECTION
5 TURNING POWER ON

When assembling, make sure that tools such as a Phillips type screwdriver, wrench (for M16 hexagon bolt), are available.



WRENCH (for M16 hexagon bolt)

24mm



ASSEMBLING THE FRONT CABINET

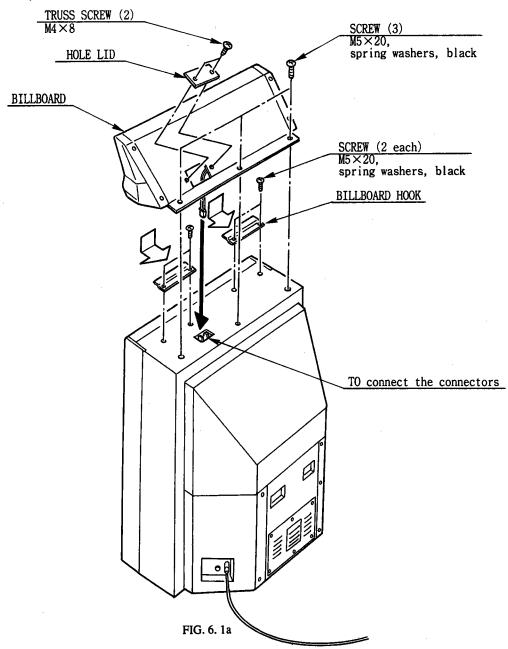


Installing the Billboard by one person is difficult. Be sure to use plural persons to perform work safely and accurately.



To perform work safely and securely, be sure to prepare a step which is in a secure and stable condition. Using an unstable step can cause a violent falling down accidents.

① By using the designated screws, secure the 2 Billboard Hooks to the Projection Display ceiling. (FIG. 6. 1 a)



- ② Support the Billboard by 2 persons, insert it to the Billboard Hooks as shown, and secure with 3 screws. (FIG. 6.1 b)
- 3 Take out the 2 screws to remove the Hole Lid from the backside of the Billboard.
- 4 Insert the Billboard's wiring connector into the Terminal Board on the ceiling of the Projection Display.
- 5 Install the Hole Lid with the 2 screws.

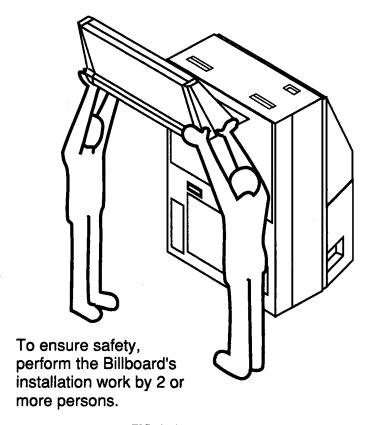
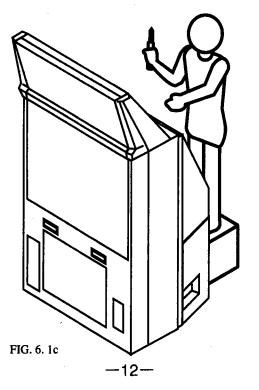


FIG. 6. 1b

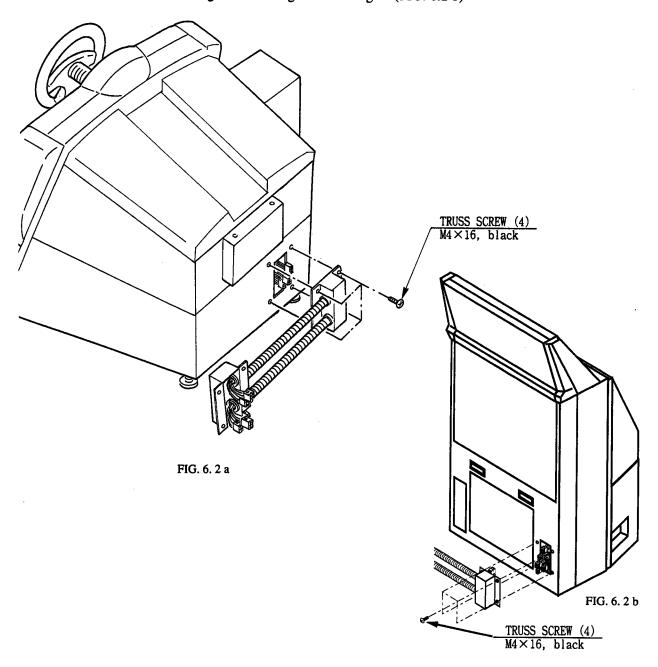


To perform work safely and securely, be sure to prepare a step which is in a secure and stable condition.

2 WIRING CONNECTIONS BETWEEN THE CABINETS

Install the ASSY TUBE to the Front Cabinet which is assembled as per 1 and the Rear Cabinet, and perform wiring connection in between both cabinets.

- ① The connectors on the one side of the ASSY TUBE wiring are all cap type and those on the opposite side are all plug type. The cap side is on the side of the Rear Cabinet. Connect all of the wiring connectors. Make sure that corresponding connectors of identical color and number of pins are connected.
- ② Secure the Box part of the ASSY Tube to the Rear Cabinet by using the 4 screws. At this time, use care so that wirings are not caught and damaged. (FIG. 6.2 a)
- 3 Connect the ASSY Tube's plug side connector to the Front Cabinet 's connector.
- 4 Secure the Box part of the ASSY Tube to the Front Cabinet by using the 4 screws. At this time, use care so that wirings are not caught and damaged. (FIG. 6.2 b)



SECURING IN PLACE (LEG ADJUSTER ADJUSTMENT)



Make sure that all of the leg adjusters are in contact with the floor. If they are not, the cabinet may move causing an accident.

This machine has 8 casters (4 for the Front Cabinet, 4 for the Rear Cabinet) and 10 leg adjusters (4 for the Front Cabinet, 6 for the Rear Cabinet). (FIG. 6. 3 a) When the installation position is determined, cause the leg adjusters to come into contact with the floor directly, make adjustments in a manner so that the casters will be raised approximately 5mm. from the floor and make sure that the machine position is level.

- ① Move the machine to the installation position.
 - To ensure the safe operation of the product, provide sufficient space by adequately keeping the product away from wall surfaces and other cabinets.
- ② Have all of the Leg Adjusters make contact with the floor surfaces. Adjust the height of the Leg Adjusters by using a wrench in the manner so that the machine position is kept level.

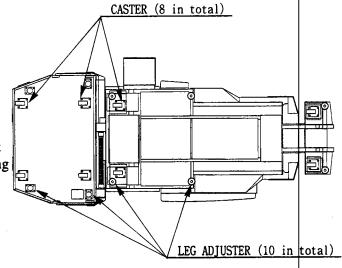
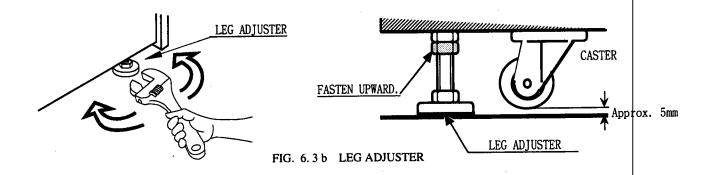


FIG. 6. 3 a

(3) After making adjustments, fasten the leg adjuster nut upward and secure the height of the leg adjuster. (FIG. 6. 3 b)



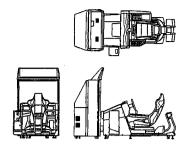


FIG. 6.3 c Refer to this Fig. (Scale:1/100) for the layout of the place of installation.

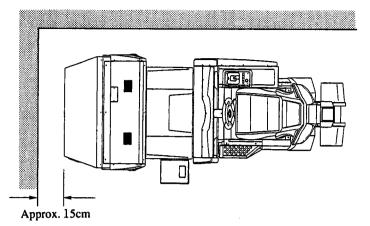


FIG. 6.3 d Provide sufficient space so as to allow for ventilation by the ventilation fan.

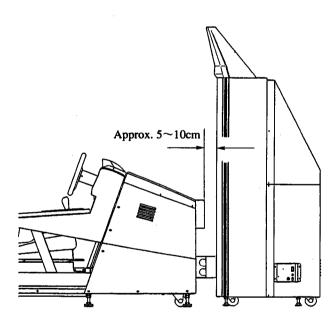


FIG. 6.3 e
Ensure to provide space of 50~
100 mm between the Front
Cabinet and the Rear Cabinet.



- Be sure to independently use the power supply socket outlet equipped with an Earth Leakage Breaker. Using a power supply without an Earth Leakage Breaker can cause a fire when the leakage occurs.
- Ensure that the "accurately grounded indoor earth terminal" and the earth wire cable are available (except in the case where a power cord plug with earth is used). This product is equipped with the earth terminal. Connect the earth terminal and the indoor earth terminal with the prepared cable. If the grounding work is not performed appropriately, customers can be subjected to an electric shock, and the product's functioning may not be stable.
- Ensure that the power cord and earth wire are not exposed on the surface (passage, etc.). If exposed, they can be caught and are susceptible to damage. If damaged, the cord and wire can cause an electric shock or short circuit. Ensure that the wiring position is not in the customer's passage way or the wiring has protective covering.

The AC Unit of this product varies depending on AC 110V~120V Area (for Taiwan and USA) and AC 220V~240V Area. For the AC 110V~120V Area, the AC Unit has the AC Cable incorporated. For the AC 220V~240V Area, the AC Cable is an insertion type.

① The AC Unit is on the side of the Front Cabinet. The AC Unit has the Main SW, Earth Terminal and Power Cord (AC 110V~120V Area Specifications). For the AC 220V~240V Area, the AC Cable Connector is provided.

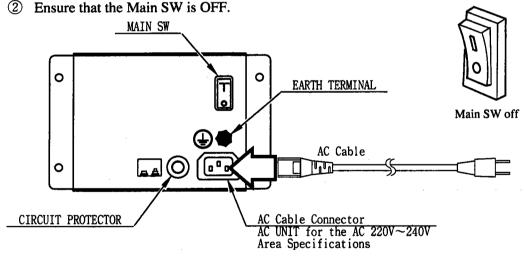
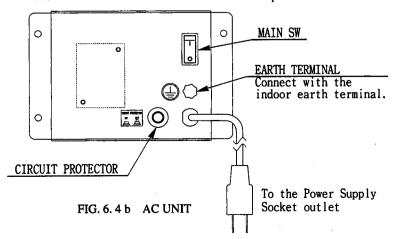


FIG. 6. 4 a AC UNIT for AC 110V~120V Area Specifications



3 Connect one end of the earth wire to the AC Unit earth terminal, and the other end to the indoor earth terminal. The AC Unit earth terminal has a Bolt and Nut combination. Take off the Nut, pass the earth wire through the Bolt, and fasten the Nut.

The AC Cable has an Earth Wire incorporated for the AC 220V~240V Area. In the case where the plug socket has an "accurately grounded Indoor Earth Terminal," work stated in this paragraph is not necessary.

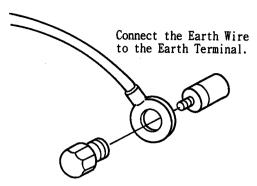


FIG. 6. 4 c Earth Wire Connection

- ④ Firmly insert the power plug into the AC Cable Plug Socket (AC 110V~120V Area). For the AC 220V~240V Area Specifications, insert the opposite side of the AC Cable Plug into the AC Cable Connector.
- (5) Perform wiring for the Power Cord and Earth Wire. Install protective covering for the Power Cord and Earth Wire.

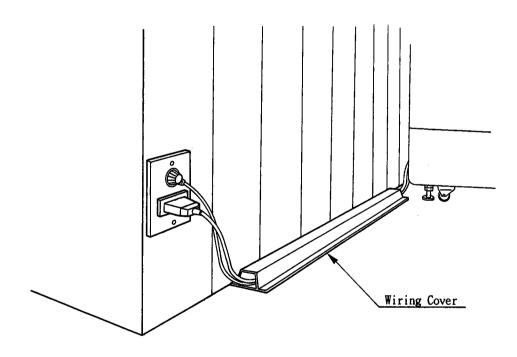


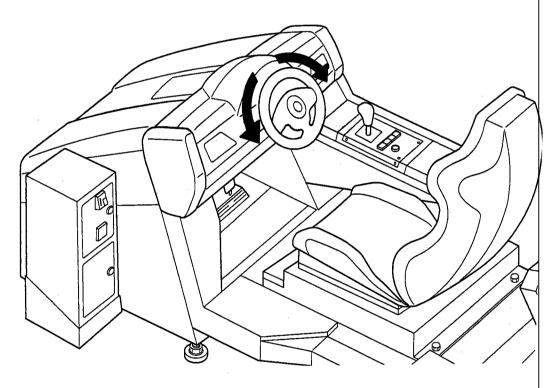
FIG. 6. 4 d Connecting Power Cord and Earth Wire



During initialization setting, do not touch the machine. Wait until the initialization settings are finished automatically. Touching the machine during setting can cause inaccurate settings and game play may not be satisfactory.

With the AC Unit's Main Switch ON, turn on the machine's power supply. Simultaneously with turning power on, the machine starts initialization setting movements and displays the initialization setting movement mode on the screen. Do not touch the machine until the initialization setting movements are automatically finished.

When the power is turned ON, the Billboard's fluorescent lamp lights up, the steering wheel turns right & left and stops at the centering position. (Initialization setting movement)



When the power is turned ON, the steering wheel turns right & left and stops after centering.

FIG. 6. 5

The completion of initialization setting movements is followed by Advertise Mode. During the initialization setting movements, when trouble such as the mechanism portion's irregularities and malfunctioning is found, the game is playable in the status without steering wheel reaction and cockpit swaying. Cope with the trouble situation by referring to the Service Manual. If it is impossible to cope with the situation, contact where the product was purchased from, or the nearest SEGA Office/Service Center.

7. PRECAUTIONS TO BE HEEDED WHEN MOVING THE MACHINE



- When moving the machine, be sure to pull out the plug from the power supply. Moving the machine with the plug as is inserted can cause the power cord to be damaged and could result in a fire and or electric shock.
- When moving the machine on the floor, retract the Leg Adjusters and ensure that Casters make contact with the floor. During transportation, pay careful attention so that Casters do not tread power cords and earth wires. Damaging the power cords can cause an electric shock and or short circuit.
- When lifting the cabinet, be sure to hold the catch portions or bottom part. Lifting the cabinet by holding other portions can damage parts and installation portions due to the empty weight of the cabinet, and cause personal injury.
- When moving the PTV, do not push it from the rear side. Push it from sideways. Pushing the PTV from the rear side can have the PTV fall down, causing personal injury etc. In case the floor has slanted surfaces or step-like differences, be sure to move the machine by 2 or more persons.



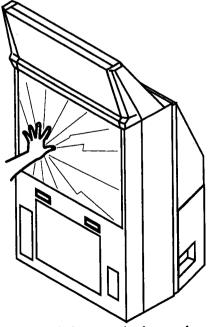
- In places where there are step-like differences in grade, separate the Front Cabinet and Rear Cabinet. Moving the machine with the Front Cabinet and Rear Cabinet as is connected can cause the joint portion to be damaged.
- When moving the Projector, do not push the Projector's front part. The front part is glass made. The glass can be damaged and the broken fragments can cause injury.





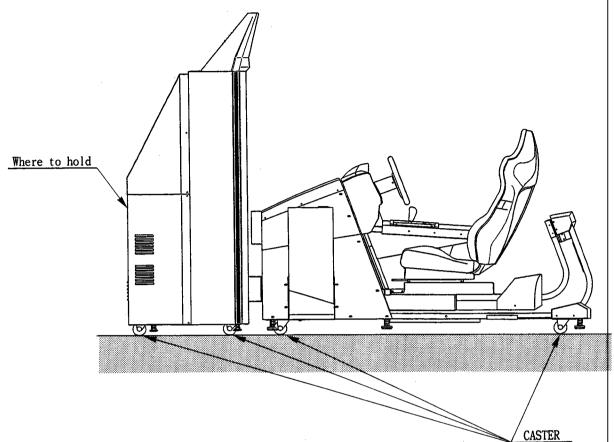
Do not push PTV from the rear side. Pushing the PTV from the rear side can cause the PTV to fall down. Push it from the side.

FIG. 7 a

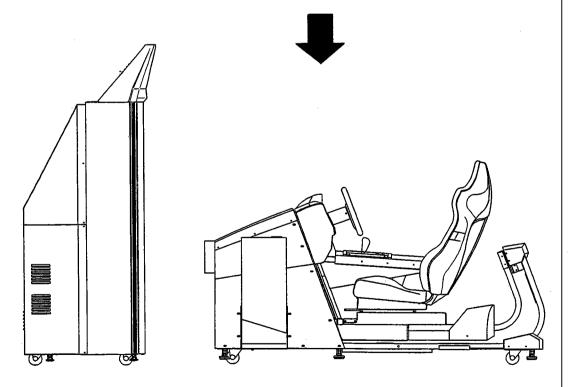


The Projector's front part is glass made. Do not push the front part.

FIG. 7 b



On level surfaces, move the machine by causing the Casters to make contact with the surfaces.



To move the machine in places where there are step-like differences in grade, separate into each cabinet.

FIG. 7 c

8. HANDLE MECHA



- In order to prevent an electric shock and short circuit, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- Do not touch places other than those specified. Touching places not specified can cause an electric shock or short circuit accident.



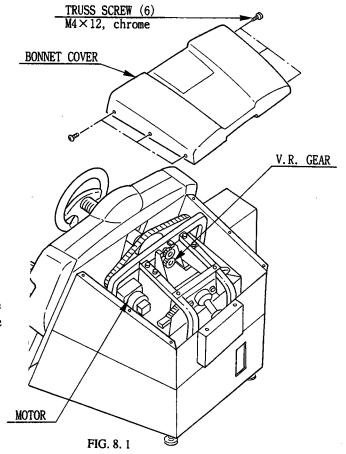
When in the Test Mode, the cockpit will be released from the secured status. Since the cockpit sways due to its empty weight, be very careful to avoid injury.

If steering wheel operation is not satisfactory, adjust the Volume installation position (gear mesh) or replace the Volume. Also, apply greasing to the gear mesh portion once every 3 months.

8-1 ADJUSTING AND REPLACING THE VOLUME

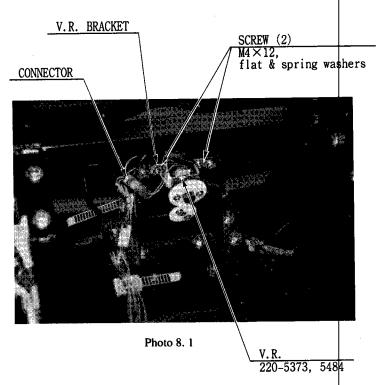
Check Volume values in the Test Mode (refer to Service Manual). Since work is performed in the energized cabinet, be sure not to touch undesignated places. Touching places other than those specified can cause electric shock and short circuit.

- ① Have the screen display the Volume values in the Test Mode.
- ② Take out the 6 truss screws and remove the Bonnet Cover (FIG. 8.1).
- 3 Loosen the 2 screws which secure the Volume Bracket to move the Volume Bracket. (Photo 8.1)
- 4 Move the Volume Bracket to disengage gear mesh.
- Secure the steering wheel at the centering position to adjust gear mesh. At this time, ensure that the Volume value display is within the range of 80H ±2.
- 6 Fasten the 2 screws which secure the Bracket.
- 7 In the Volume setting mode, perform Volume setting.



REPLACING THE VOLUME

- ① Turn the power off.
- (2) Disconnect the connector.
- 3 Take out the 2 screws which secure the Volume Bracket and remove the Volume Bracket.
- 4 Remove the Volume Gear and Volume Bracket to replace the Volume.
- (5) After replacing the Volume, perform Volume setting in the Volume setting mode.



8-2 GREASING



Be sure to use the designated grease. Using undesignated grease can cause parts damage.

Apply greasing to the Volume gear mesh portion once every 3 months. For spray greasing, use GREASE MATE (PART No. 090-0066).

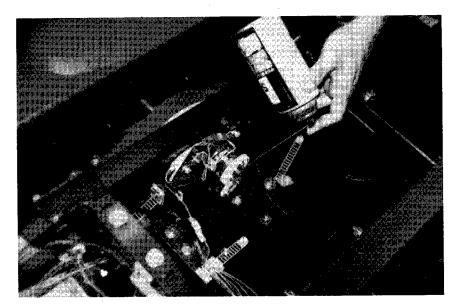


Photo 8. 2

9. SHIFT LEVER



- In order to prevent an electric shock and short circuit, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- Do not touch places other than those specified. Touching places not specified can cause an electric shock or short circuit accident.

If the Shift Lever operation is not satisfactory, remove the Shift Lever in the following procedure and replace the microswitch.

9-1 REMOVING THE SHIFT LEVER

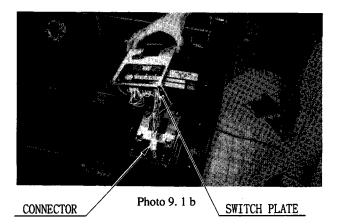
- ① Turn the power off.
- 2 Take out the 6 truss screws and remove the Switch Plate. The Switch Plate has wiring connections. To avoid damaging the wiring, carefully lift the Switch Plate and disconnect the inside connector.

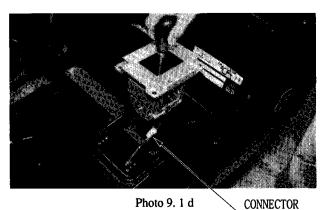
(Photo 9.1 a) (Photo 9.1 b)

- ③ Remove the 4 Hexagon Bolt for special use which secure the Shift Lever. (Photo 9.1 c)
- ④ Carefully lift the Shift Lever. The Shift Lever also has wirings. Lift it up in the manner so as not to damage wiring and disconnect the connector. (Photo 9.1 d)



Photo 9. 1 a $\frac{\text{TURSS SCREW (6)}}{\text{M4} \times 12, \text{ chrome}}$





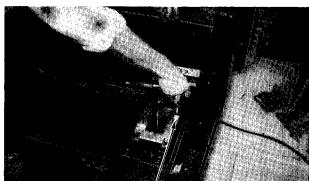
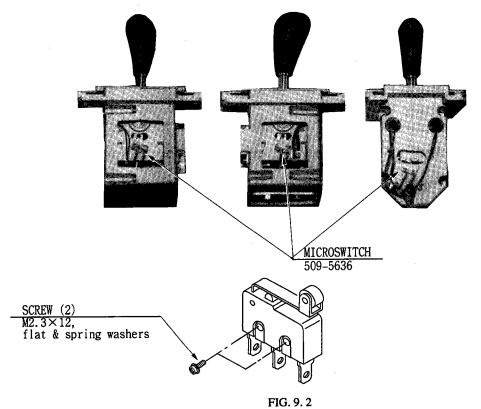


Photo 9.1 c / HEXAGON BOLT for special use, spring washer used.

9-2 SWITCH REPLACEMENT

the Test Mode.

Each Microswitch is secured with 2 screws. Remove the 2 screws and replace the Microswitch.



After replacing the Switch, check to see if the switch is inputted as per Shift Lever operation in

10. ACCELERATOR & BRAKE



- In order to prevent an electric shock and short circuit, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- Do not touch places other than those specified. Touching places not specified can cause an electric shock or short circuit accident.

If Accel. and Brake operation is not satisfactory, adjustment of Volume installation position or Volume replacement is needed. Also, be sure to apply greasing to the gear mesh portion once every 3 months.

10-1 ADJUSTING AND REPLACING THE V.R.

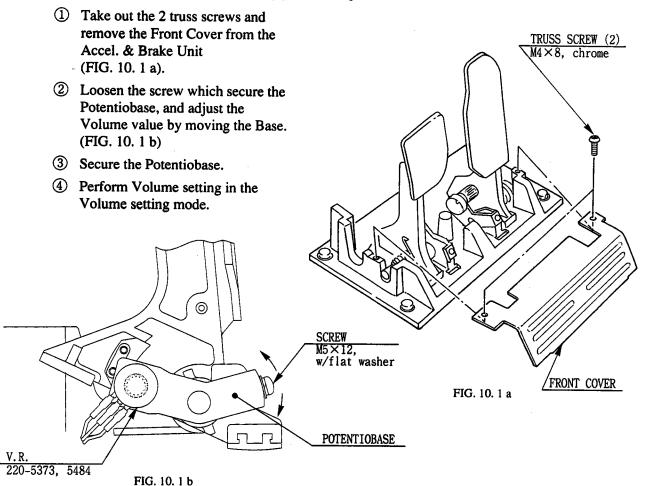
The appropriate value of each V.R. is as follows.

When released: When stepped on:

ACCEL.: Under 30 H ←→ Over C0H

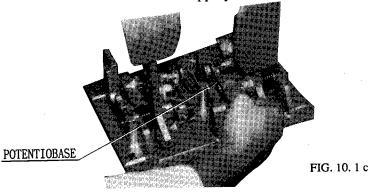
BRAKE: Under 30 H ←→ Over C0H

Check Volume values in the Test Mode. (Refer to Service Manual.)
Since work is performed inside the energized cabinet, be very careful so as not to touch undesignated portions. Touching places not specified can cause electric shock or short circuit.



REPLACING THE VOLUME

- ① Turn the power off.
- ② Take out the 2 screws and remove the Potentiocover (FIG. 10. 1 c).
- 3 Disconnect the connector of the Volume to be replaced.
- 4 Remove the screw which secures the Potentiocover (FIG. 10. 1 b).
- (5) Remove the Potentiobase together with the Volume as is attached. (FIG. 10. 1. c)
- 6 Remove the Base and Gear to replace the Volume.
- 7 In the Test Mode, ensure that the Volume value is appropriate.



POTENTIOCOVER

TRUSS SCREW (2)

10-2 GREASING



Be sure to use the designated grease. Using undesignated grease can cause parts damage.

Once every 3 months, apply greasing to the Spring and Gear mesh portion. For spray greasing, use GREASE MATE (PART No. 090-0066).

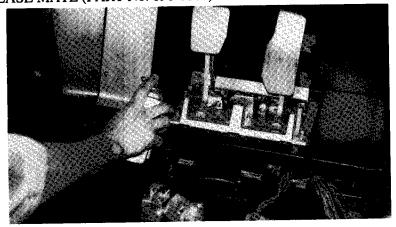


Photo 10. 2

11. MAINTENANCE OF MECHANISM UNIT



- In order to prevent an electric shock and short circuit, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- Do not touch places other than those specified. Touching places not specified can cause an electric shock or short circuit accident.



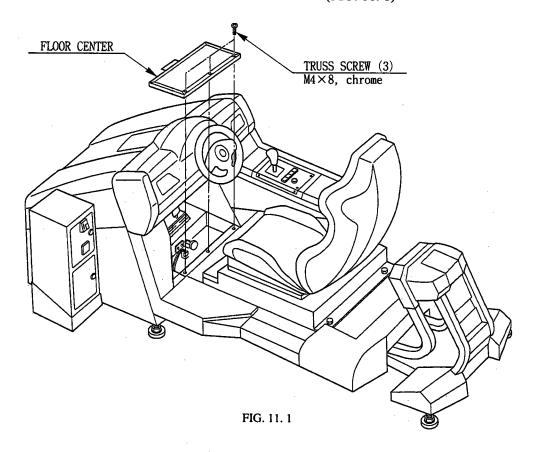
When in the Test Mode, the cockpit will be released from the secured status. Since the cockpit sways due to its empty weight, be very careful to avoid injury.

11-1 ADJUSTING AND REPLACING THE VOLUME

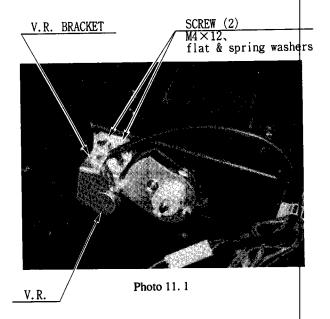
Check Volume value in the Test Mode. (Refer to Service Manual.)

Since work is performed inside the energized cabinet, be very careful so as not to touch undesignated portions. Touching places not specified can cause electric shock and short circuit.

- ① Have the Volume value displayed on the screen in the Test Mode.
- ② Take out the 3 screws and remove the Floor Center (FIG. 11. 1)



- 3 Loosen the 2 screws which secure the Volume Bracket to move the Volume Bracket. (Photo 11.1)
- 4 Move the Volume Bracket to disengage gear mesh.
- \odot Secure the cockpit in the level position to adjust gear mesh. At this time, ensure that the Volume value display is within the range of $80H \pm 2$.
- 6 Loosen the 2 screws which secure the Bracket.
- Perform Volume setting in the Volume setting mode.



REPLACING THE VOLUME

- ① Turn the power off.
- ② Disconnect the connector.
- 3 Take out the 2 screws which secure the Volume Bracket, and remove the Volume Bracket.
- ④ Remove the Volume Gear and Volume Bracket to replace the Volume.
- (5) After replacing the Volume, perform Volume setting in the Volume Setting Mode.



When assembling, be sure to perform the work by plural persons. Depending on the assembly work, there are some cases in which performing the work by a single person can cause personal injury.

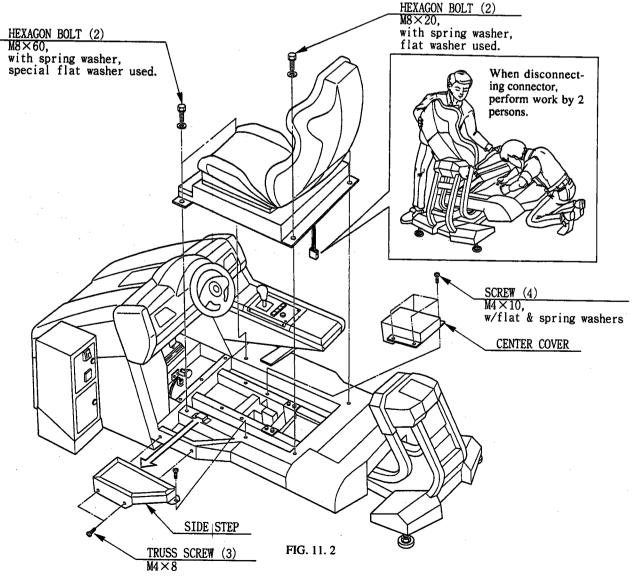


Be sure to use the designated grease. Using undesignated grease can cause parts damage.

Once every 3 months, apply greasing to the Bank Volume's gear mesh portion.

Once every 6 months, apply greasing to the Centering Mechanism's Spring portion. For spray greasing, use GREASE MATE (PART No. 090-0066). To apply greasing to the Centering Mechanism's Spring portion, remove the parts by following the procedure below.

- ① Take out the 3 truss screws and remove the Side Step. (FIG. 11.2)
- ② Remove the 4 Hexagon Bolts which secure the Seat. (FIG. 11.2)



- 3 Incline the Seat by one person and disconnect the connector under the Seat by another person.
- 4 Take out the 4 screws and remove the Center Cover.
- (5) Apply greasing to the Centering Mechanism's Spring portion. (Photo 11. 2 a)

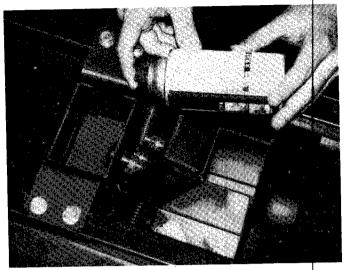


Photo 11.2 a

Remove Floor Center and apply greasing to the Bank Volume's gear mesh portion (Photo 11. 2 b).

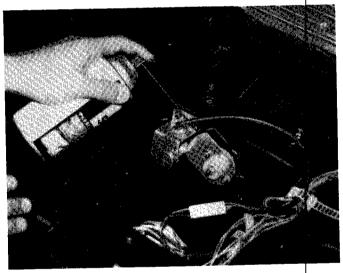


Photo 11. 2 b

12. COIN SELECTOR

HANDLING THE COIN JAM

If the coin is not rejected when the REJECT button is pressed, open the coin chute door and open the selector gate. After removing the jammed coin, put a normal coin in and check to see that the selector correctly functions.

CLEANING THE COIN SELECTOR

The coin selector should be cleaned once every 3 months. When cleaning, follow the procedure below:

- ① Turn the power for the machine OFF. Open the coin chute door.
- ② Open the gate and dust off by using a soft brush (made of wool, etc.).
- 3 Remove and clean smears by using a soft cloth dipped in water or diluted chemical detergent and then squeezed dry.
- 4 Remove the CRADLE.

When removing the retaining ring (E ring), be very careful so as not to bend the shaft.

- (5) Remove stain from the shaft and pillow portions by wiping off with a soft cloth, etc.
- 6 After wiping off as per 5 above, further apply a dry cloth, etc. to cause the coin selector to dry completely.



- Never apply machine oil, etc. to the Coin Selector.
- After cleaning the Coin Selector, insert a regular coin in the normal working status and ensure that the Selector correctly functions.

COIN INSERTION TEST

Once every month, when performing the Coin SW Test, simultaneously check the following:

- Does the Coin Meter count satisfactorily?Does the coin drop into the Cashbox correctly?
- ☐ Is the coin rejected when inserted while keeping the Reject Button pressed down?

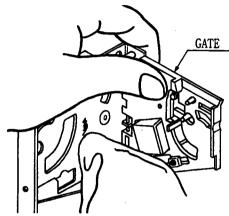


FIG. 12 a

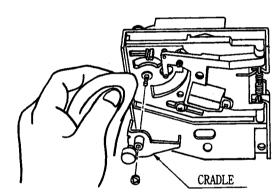


FIG. 12 b

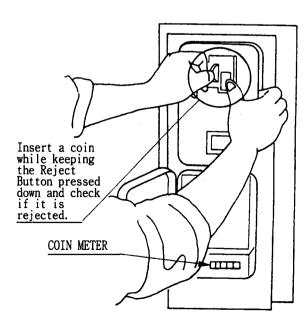


FIG. 12 c

13. PROJECTOR



Since the Projector has been adjusted at the time of shipment, avoid making further adjustments without good reason.



The Projector is subject to color deviation due to Convergence deviation caused by the geomagnetism at the installation location and peripheral magnetic field. After the installation of machine, and before commencing operation, check for Convergence deviation and if deviated, make adjustments.

13-1 CLEANING THE FRONT GLASS

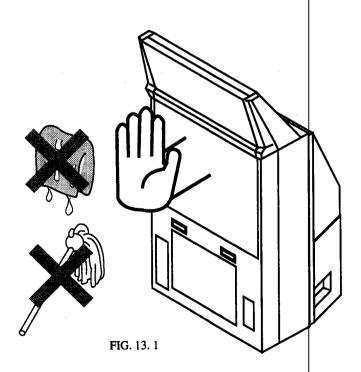


Use care when handling glass made parts. When the glass is damaged, fragments of glass can cause injury.



- Use alcohol based cleaner (liquid).
- Use a soft cloth.
- When removing an attached large particle of dust (or foreign matter), do not rub with a cloth.

Clean the screen once a week. Use a soft, clean cloth containing a proper quantity of GLASS CLEANER to remove stains. To avoid damaging the screen and cabinet surfaces, only the use of GLASS CLEANER is allowed. Do not use such solvents as thinner, alcohol, etc., or abrasives and or bleaching agents. The screen is glass made. Do not rub with hard items, do not violently dust, or avoid such similar act. If stains can not be removed, ask professional service personnel to clean it.

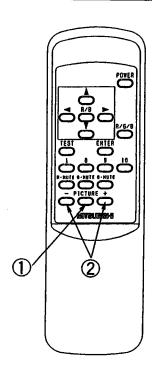


13-2 ADJUSTING MITSUBISHI PROJECTOR WITH REMOTE CONTROL



- Although the following undesignated keys will not function even if pressed, do not press them to avoid causing malfunctioning.
- Operate the Remote Control by directing it toward the screen. The Remote Control will not be activated when operated by directing it otherwise.

ADJUSTMENT IN BRIGHTNESS, HORIZONTAL/VERTICAL POSITIONS



- ① Press the Remote Control's PICTURE KEY to proceed to the Adjustment Mode from the normal status. Every time the PICTURE KEY is pressed, the Adjustment Mode proceeds as shown below.
- ② In the Adjustment Mode other than the AUTO CONVERGENCE Mode, the Adjustment data can be changed by operating the and + Keys.

In each Adjustment Mode, if no effective key input is performed within 6 seconds, the Adjustment Mode is automatically exited, with the normal status returning on the screen. Note that when H-WIDTH or V-WIDTH is changed, color deviation can occur.

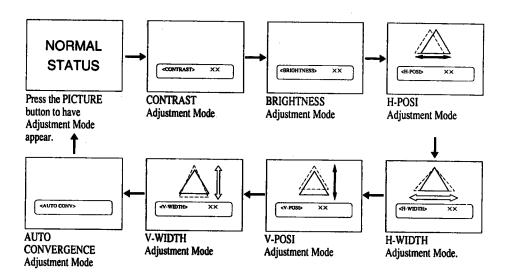


FIG. 13. 2 a

AUTO CONVERGENCE ADJUSTMENT

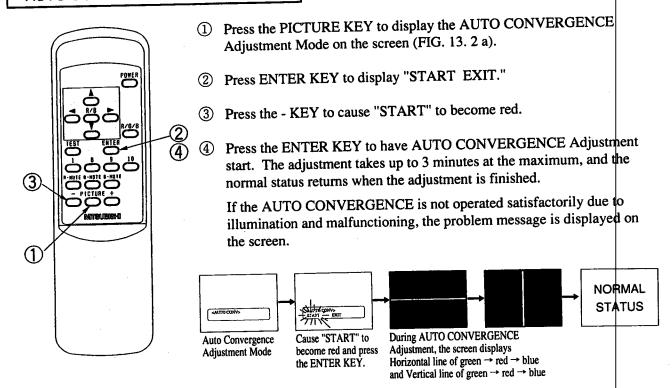


FIG. 13.2 b

STATIC CONVERGENCE ADJUSTMENT

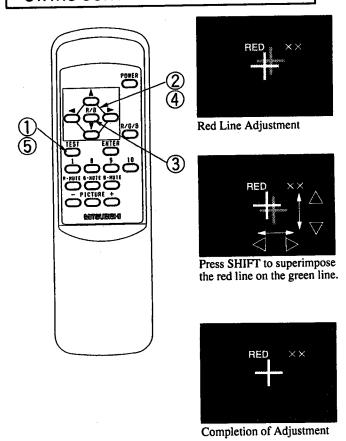


FIG. 13. 2 c

- ① Press the TEST KEY to have the red line adjustment screen appear.
- ② Superimpose the red cross on the green cross at the center of the screen.

 Move the red cross to the left, right, up and down respectively with ◀ ▶ ▲and ▼ of the Remote Control.

 When the red cross is superimposed on the green cross, the green cross turns into yellow or white.
- 3 Press the R/B Key to have the blue line adjustment screen appear. Each time R/B Key is pressed, the red line and blue line will be alternated.
- 4 In the manner similar to 2 above, press each key to superimpose the blue cross on the green cross. When it is superimposed, the cross in the center will become white.
- ⑤ Press the TEST Key to exit from the adjustment mode.

During STATIC CONVERGENCE Adjustment Mode, if no action is taken within 5 minutes, the Adjustment Mode will be exited automatically.

14. REPLACEMENT OF FLUORESCENT LAMP

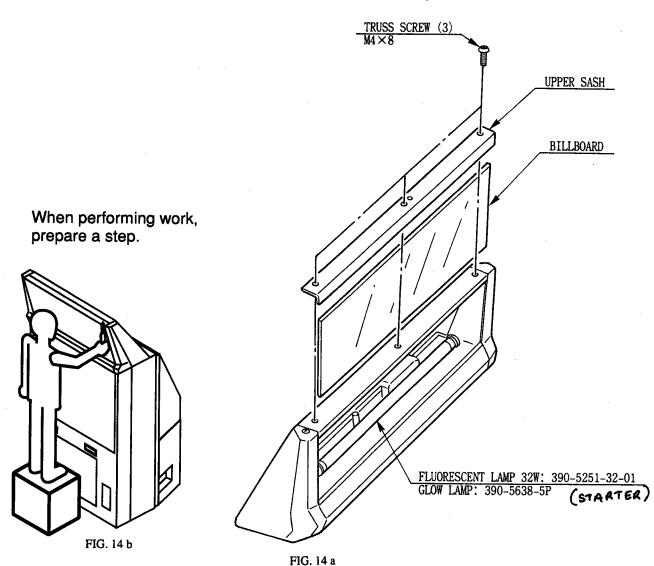


- When performing the work, be sure to turn power off. Working with power on can cause an electric shock or short circuit accident.
- The Fluorescent Lamp, when it gets hot, can cause burns. Be very careful when replacing the Fluorescent Lamp.



To perform work safely and securely, be sure to prepare a step which is in a secure and stable condition. Not using a step or using an unstable step can cause a violent falling down accidents.

- ① Remove the 3 screws which secure the Upper Sash on the upper part of the Billboard.
- ② Pull out the Billboard upward to replace the Fluorescent Lamp (32W).



15. PERIODIC INSPECTION TABLE

The items listed below require periodic check and maintenance to retain the performance of this machine and to ensure safe business operation.



- Be sure to check once a year to see if Power Cords are damaged, the plug is securely inserted, dust is accumulated between the Socket Outlet and the Power Plug, etc. Using the product with dust as is accumulated can cause a fire or electric shock.
- Periodically once a year, request the place of contact herein stated or the Distributor, etc. where the product was purchased from, as regards the interior cleaning. Using the product with dust as is accumulated in the interior without cleaning can cause a fire or accident. Note that cleaning the interior parts can be performed on a pay-basis.

TABLE 15

| ITEMS | DESCRIPTION | PERIOD | REFERENCE |
|------------------|----------------------------------|-------------|--------------------------|
| HANDLE MECHA | Check VOLUME VALUE. | Monthly | SERVICE MANUAL |
| | Gear part greasing | Tri-monthly | 8 – 2 |
| ACCEL. & BRAKE | Check VOLUME VALUE. | Monthly | SERVICE MANUAL |
| | Gear and Spring portion greasing | Tri-monthly | 10-2 |
| SHIFT LEVER | Check SW. | Monthly | SERVICE MANUAL |
| COIN CHUTE TOWER | Check COIN SWes. | Monthly | SERVICE MANUAL |
| • | Coin insertion test. | Monthly | 1 2 |
| | COIN SELECTOR cleaning. | Tri-monthly | 1 2 |
| PROJECTOR | Check adjustments. | Monthly | SERVICE MANUAL |
| | FRONT GLASS cleaning. | Weekly | 13-1 |
| GAME BD | MEMORY TEST. | Monthly | SERVICE MANUAL |
| | Check settings. | Monthly | SERVICE MANUAL |
| REAR CABI | Grease the Seat Rail portion. | Trimonthly | See next page (FIG. 15). |
| MECHANISM | Checking of Bank Volume | Monthly | SERVICE MANUAL |
| | Centering Mechanism greasing | Biannually | 1 1 - 2 |

REAR CABINET (Greasing to Seat Rail Portion)

Move the Seat to the rearmost portion and apply spray greasing to the portion shown at the right once every 3 months by using NOK KLUBER L60 or GREASE MATE SEGA PART No. 090-0066.

After greasing, move the Seat a few times forward and backward so as to allow the grease to be applied all over uniformly. Be sure to wipe grease which attaches to the surfaces of the PROTECT RUBBER on the Seat Rail, or any excess grease.

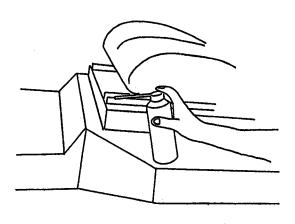


FIG. 15

CLEANING THE CABINET SURFACES

If the Cabinet is badly stained, use a cloth which is dipped in the chemical detergent liquid diluted with water and then squeezed dry. Do not use such solvents as alcohol, thinner, benzine, etc., or abrasives, bleaching agents and or chemical dustcloth as these can damage cabinet surface finish.

16. TROUBLESHOOTING

For troubleshooting, first check the connection of wiring connectors.



- In order to prevent an electric shock, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- After removing the cause of the functioning of the Circuit Protector, reinstate the Circuit Protector. Depending on the cause of the functioning, using the Circuit Protector as is without removing the cause could result in generation of heat and a fire.

TABLE 16 a

| PROBLEMS | CAUSE | COUNTERMEASURES |
|---|--|--|
| When the main SW | The power is not ON. | Firmly insert the plug into the outlet. |
| is turned ON, the machine is not activated. | Incorrect power source/voltage. | Make sure that the power supply/voltage are correct. |
| | The CIRCUIT PROTECTOR functioned due to momentary overcurrent. | First, remove the cause of overcurrent and reinstate the circuit protector to its original status (see next page). |
| The color on the PTV screen is not correct. | Screen adjustment is not appropriate. | Make adjustment appropriately. (See Sec. 13.) |
| PTV screen has a | machines, location building's steel frames, Change installation direction/ positi | Make convergence adjustments (see Sec. 13). |
| color deviation. | | Change installation direction/ position. Move the other machines which cause the problem. |
| | | Move the other machines which cause the problem. |
| Sound is not emitted. | Sound volume adjustment is not correct. | Adjust the SWITCH UNIT's sound adjustment volume (control)(see FIG. 16 a). |
| | Malfunctioning BD. and Amp. | Perform SOUND TEST. |
| | Connector connection fault. | Check connector connection between the Front and Rear cabinets (see Sec. 6) |

TABLE 16 b

| PROBLEMS | CAUSE | COUNTERMEASURES |
|---|--|--|
| Operation of | V. R. position deviated. | Adjust V. R. value in the test mode. |
| Accel., Brake and Pedal are not satisfactory. | V. R. malfunctioning. | Replace the V. R. (See Sec. 10) |
| satisfactory. | GEAR's engagement is not correct. | Adjust the engagement of GEAR. |
| SHIFT LEVER doesn't operate satisfactorily. | Switch malfunctioning. | Replace the SW. (See Sec. 9) |
| Steering Wheel reaction is irregular. The center is | Power-ON check failure. | Redo power-ON and finish power-ON check. (See Sec. 6.) |
| deviated. | Volume deviation. | Adjust Volume value in the Test Mode. |
| Steering Wheel reaction is weak. | Volume malfunctioning. | Replace the Volume. (See Sec. 8.) |
| reaction is weak. | Reaction Mechanism's secular change. | In the Test Mode, change motor power setting (see Service Manual). |
| | | Change the Drive Control Board's DIP SW setting. (Refer to Service Manual). |
| No Steering Wheel reaction | Power-ON check failure. | Redo power-ON and finish power-ON check. (See Sec. 6.) |
| Fluorescent lamp | Fluorescent Lamp needs replacement. | Replace the fluorescent lamp. (See Sec. 14) |
| does not light up. | Connector connection is incorrect. | Check connector connection in the Billboard. |
| The Cockpit does not sway. | Power-ON check failure. | Redo power-ON and finish power-ON check. (See Sec. 6.) |
| | The Drive Board or Volume's movements are irregular. | By watching the on-screen Error Code display, handle the situation. (Refer to Service Manual.) |
| | Wiring connection fault | Check for wiring connection between the Front and Rear cabinets (see Sec. 6). |

The Switch Unit is inside the Coin Chute Door. The Sound Adjustment Volume control is on the Switch Unit.

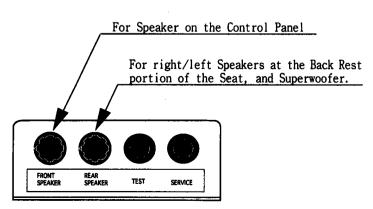
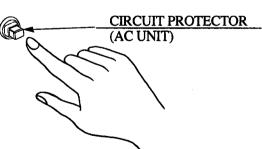


FIG. 16 a



Functions due to the activation of bimetal. To restore the function, wait for approximately one minute or longer until the bimetal cools off. (Press the Button.)

REPLACEMENT AND ADJUSTMENT OF FUSE



- In order to prevent an electric shock, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause an electric shock or short circuit accident.
- Be sure to use fuses meeting specified rating. Using fuses exceeding the specified rating can cause a fire or electric shock.
- After eliminating the cause of the blowing of fuse, replace the fuse. Depending on the cause of fuse blowing, using the fuse as is blown can cause generation of heat resulting in a fire.

The fuse can be seen by removing the Back Door from the rear of the Front Cabinet.

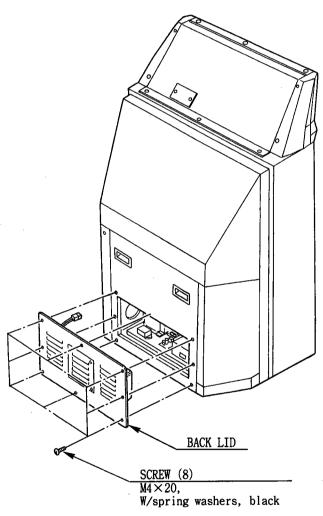


FIG. 16 b

Remove the Back Lid and replace the fuse. There are wiring connections inside the Back Lid. Be very careful so as not to damage the wiring.

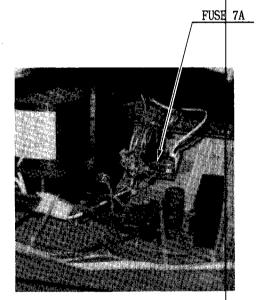


Photo 16

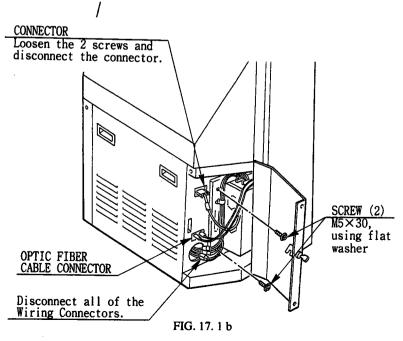
17. GAME BOARD



- In order to prevent an electric shock and short circuit, be sure to turn power off before performing work by touching the interior parts of the product.
- Be careful so as not to damage wirings. Damaged wiring can cause a fire or electric shock or short circuit accident.
- Do not expose the Game BD, etc. without a justifiable reason.
 Exposed Game BD, etc. can cause electric shock and malfunctioning.

Turn the power off. Remove the 2 screws, unlock to open Side Door L (FIG. 17. 1 a). SCREW (2) M4×20, W/spring washers, black FIG. 17. 1 a

- ③ Disconnect the connector to be connected to the Terminal Board. The right and left sides of the connector are secured with screws. Loosen the screws and disconnect the connector. (FIG. 17. 1 b)
- Disconnect the Optic Fiber Connector. (FIG. 17. 1 b)
- 5 Disconnect all of the wiring connectors inside the cabinet.
- 6 Remove the 2 screws which secures the Base (Wooden Base) mounting the Shield Case. (FIG. 17, 1 b)



- Pull out the Base with the Shield Case as is mounted. At this time, be very careful so as not to damage wirings and Optic Fiber Cables. (Photo 17.1)
- Take off the 3 screws to remove the case lid. The Game board is contained in the Shield Case. (Photo 17. 1)

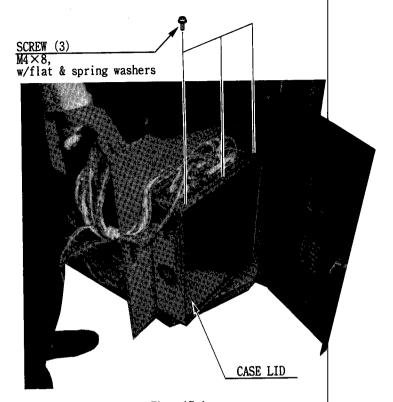


Photo 17. 1

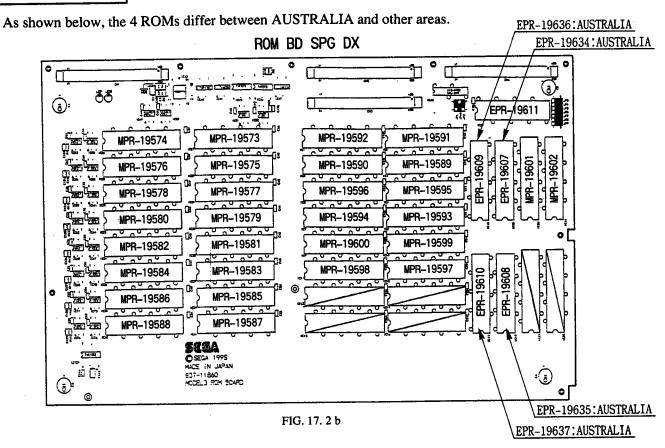
17-2 COMPOSITION OF GAME BOARD

SCREW (10) M3×55, flat and spring washers used ROM BD SPG DX 834-12934:OTHERS 834-13034:AUSTRALIA MODEL3 STEP 1.5 CPU BOARD MODEL3 STEP 1.5 VIDEO BOARD

FIG. 17. 2 a

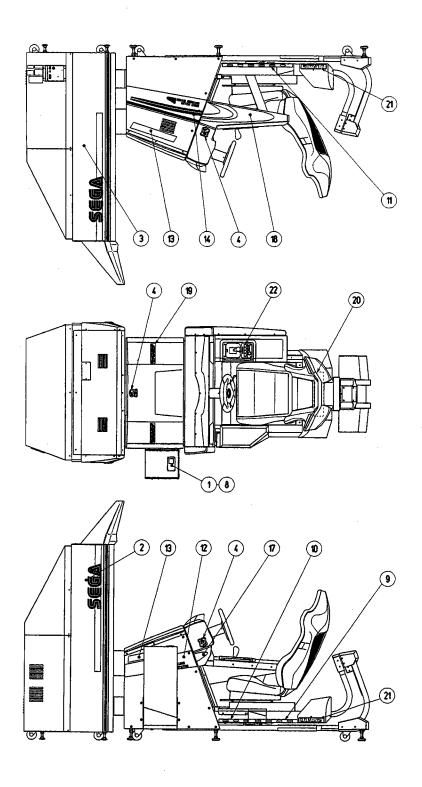
ROM LAYOUT

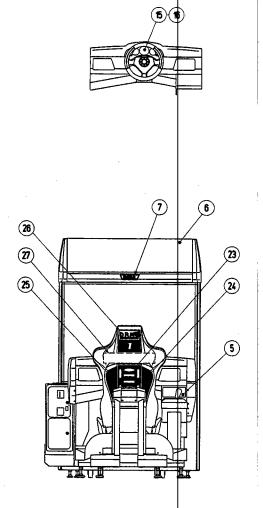
837-12875



18. DESIGN RELATED PARTS

For the Warning Display stickers, refer to Section 1.





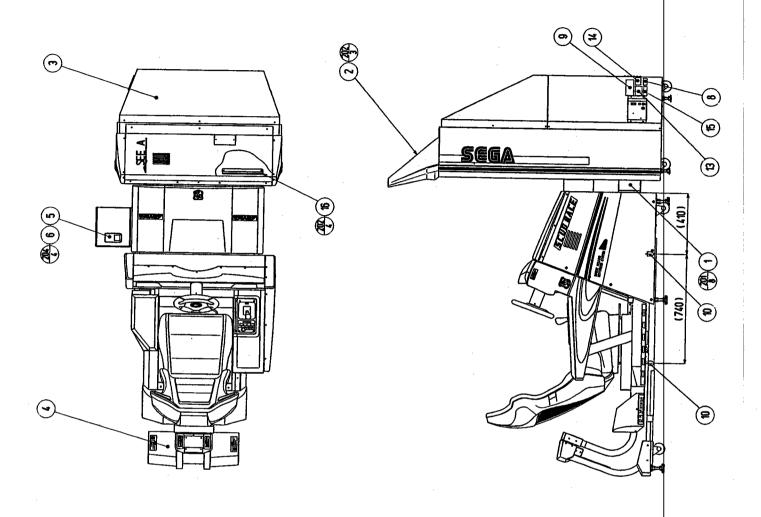
| No. | PART No. | DESCRIPTION | NOTE |
|---|---|--|---------------|
| 1000456 | 421-7308-63 421-9466 421-9467 421-9468 | DENOMINATION SHEET 1GAME ~ STICKER PTV L STICKER PTV R STICKER SYMBOL MARK STICKER INSTR SPG | |
| | 422-0607 423-0284 423-0284-01 423-0285-B DYN-0011 | BILLBOARD PLATE UPPER SPG PLATE UPPER ENG STICKER SEGA DENOMI PLATE W/O ORIGINAL | OTHERS USA |
| \@@ @## | SPG-2007-B SPG-2007-C SPG-2008-B | STICKER SPONSOR A STICKER SPONSOR B STICKER SPONSOR C | |
| | SPG-2020-B SPG-2020-C 421-9491 | STICKER LINE L STICKER SCUD RACE STICKER SUPER GT | OTHERS USA |
| \$ | SPG-2021-B SPG-2027-B SPG-2027-C SPG-2029-B | STICKER LINE R METER PANEL A METER PANEL B STICKER LINE L2 | |
| 99 | SPG-2030-B SPG-2031-B SPG-2032-C SPG-2232-D | STICKER LINE R2 STICKER AM4 STICKER DRM A STICKER DRM B | |
| W W W | SPG-2251-B SPG-2405-B SPG-2405-C | STICKER START STICKER SEAT BACK A STICKER SEAT BACK B STICKER SEAT BACK C | |
| 25 26 27 | SPG-2405-D SPG-2405-E SPG-2405-F 421-9492 | STICKER CAR NO.1 STICKER SEAT BACK D STICKER SEAT BACK ENG | OTHERS USA |
| 26) | SE6697 | Sticker Car No 2 | |

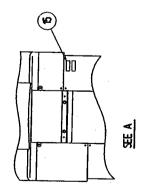
STICKER 2-8 SE6687

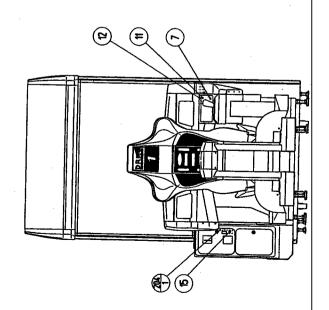
19. PARTS LIST

1 TOP ASSY SPG DX

(D-1/2)



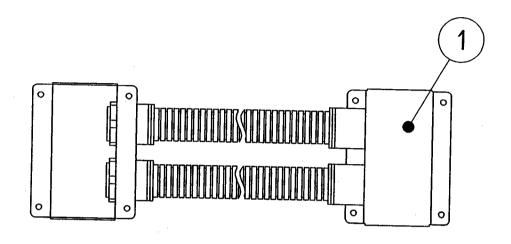




1 TOP ASSY SPG DX

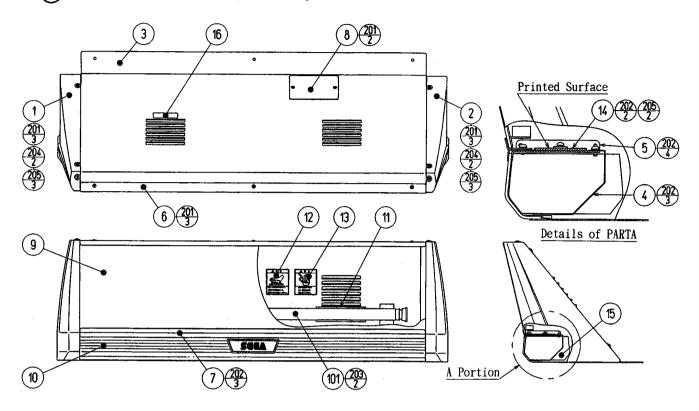
| | | DESCRIPTION | NOTE |
|---------------|---------------|-------------------------------|------------------|
| ITEM NO. | PART NO. | DESCRIPTION | 11012 |
| 1 | SPG-0100 | ASSY TUBE | |
| $\frac{1}{2}$ | SPG-0500 | ASSY BILLBOARD | |
| 3 | SPG-1000 | ASSY FRONT CABI | |
| 4 | SPG-2000 | ASSY REAR CABI | |
| 5 | DYN-0011 | DENOMI PLATE W/O ORIGINAL | |
| 6 | 421-7308- ~ | DENOMINATION SHEET 1GAME ~ | |
| 7 | 422-0603-01 | PLAY INSTR SH SPG ENG | |
| 8 | 421-6594-91 | STICKER CERTIFICATE | |
| 10 | 421-8885 | STICKER CAUTION FORK | OWNEDO |
| 13 | 421-7987 | STICKER ELEC SPEC | OTHERS |
| 19 | 421-8408 | STICKER ELEC SPEC FOR TAIWAN | TAIWAN |
| 15 | 421-7988-91 | STICKER SERIAL NUMBER | |
| 16 16 | SPG-0001 | RILLBOARD HOOK | |
| 10 17 | SGM-4444 | AIR CAP COVER 1000×1900×1100 | |
| 11 | DOM 4441 | | |
| 201 | 000-T00416-0B | M SCR TH BLK M 4×16 | |
| 202 | 000-P00520-WB | M SCR PH W/FS BLK M5×20 | |
| 203 | 000-T00408-0C | M SCR TH CRM M4 \times 8 | |
| 204 | 000-T00408-0B | TMP PRF SCR TH BLK M4×8 | |
| 204 | | | |
| 401 | 601-6604-70 | CARTON BOX 70 | · |
| 402 | 420-6258-01 | OWNERS MNL SUPER CAR GP ENG | |
| 403 | SGM-2675 | POLYETHYLENE BAG 240×370 | · · |
| 404 | 220-5576 | KEY MASTER FOR 220-5575 | |
| 405 | SGM-4111 | KEY BAG (SGB-1035X) | |
| 406 | 220-5373 | VOL CONT B-5K | |
| | 220-5484 | VOL CONT B-5K OHM | |
| 407 | 514-5036-7000 | FUSE 6.4×30 7000MA 125V | |
| 408 | 090-0074 | STATICIDE (300ML) | |
| 410 | 509-5636 | SW MICRO TYPE SS-5GL2T | |
| 413 | 090-0174 | GLASS CLEANER NAC S-100 | |
| 414 | 420-6286-01 | SERVICE MANUAL SPG DX ENG | |
| , | 000 0000 | SHIPPING BRKT REAR | |
| /, | SPG-0002 | SHIPPING BRKT LEFT | |
| | SPG-0003 | SHIPPING BRKT RIGHT | |
| | SPG-0004 | STICKER 120V | AC 120V AREA |
| /, | 421-6690-01 | STICKER 220V | AC 220V AREA |
| /, | 421-6690-03 | STICKER 240V | AC 240V AREA |
| /, | 421-6690-05 | STICKER 110V | AC 110V AREA |
| /, | 421-6690-06 | AC CABLE CONNECT TYPE FOR EXP | AC 220∼240V AREA |
| /, | 600-6618 | STICKER FCC | γ USA |
| /, | 421-6119-91 | STICKER SEGA USA | ſ |
| | 421-6120-91 | Olionar open open | |

2 ASSY TUBE (SPG-0100)

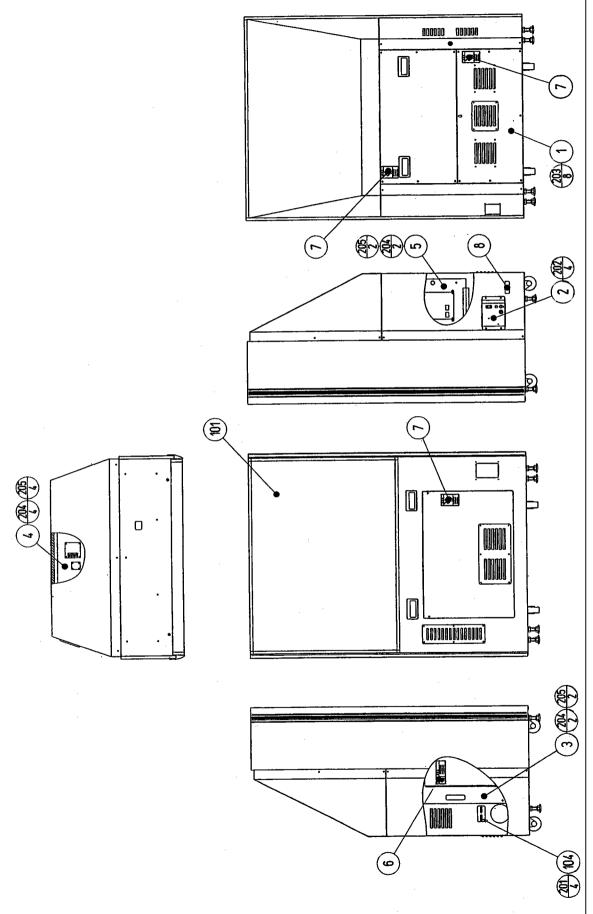


| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|------------|------------------------------|---|------|
| 1 | SPG-0101 | TUBE BOX | |
| 201 202 | 000-T00412-0B 050-F00400 | M SCR TH BLK M4×12 FLG NUT M4 | |
| 301 302 | 600-6817-063 600-6817-064 | WIRE HARN CONNECT TUBE A WIRE HARN CONNECT TUBE B | |

3 ASSY BILLBOARD (SPG-0500)



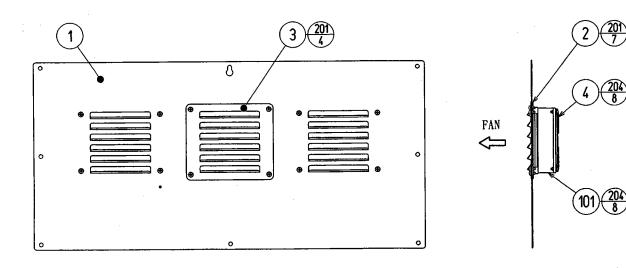
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|---------------|-----------------------------|--------|
| 1 | SPG-0501 | BILLBOARD SIDE COVER L | |
| 2 3 4 5 6 7 8 | SPG-0502 | BILLBOARD SIDE COVER R | |
| 3 | SPG-0503 | BILLBOARD BOX | |
| 4 | SPG-0504 | REFLECTOR | |
| 5 | SPG-0505 | CENTER BRKT | |
| 6 | SPG-0506 | UPPER SASH | |
| 7 | SPG-0507 | LOWER SASH | |
| 8 | SPG-0508 | HOLE LID BILLBOARD | |
| 9 | 423-0284 | BILLBOARD PLATE UPPER SPG | OTHERS |
| | 423-0284-01 | PLATE UPPER ENG | USA |
| 10 | 423-0285 | BILLBOARD PLATE LOWER SPG | |
| 11 | 421-7501-18 | STICKER FL32W | |
| 12 | 440-WS0012XEG | STICKER W HIGH TEMP ENG | |
| 13 | 440-WS0002XEG | STICKER W POWER OFF ENG | |
| 14 | SPG-0509 | CENTER PLATE | |
| 15 | 421-9465 | STICKER MIRROR | |
| 101 | 390-5538-32BX | ASSY FL32W BX W/CONN HIGH L | |
| | 390-5636-32BX | ASSY FL32W EX W/CONN HIGH S | |
| | 390-5637-32BX | ASSY FL32W EX W/CONN HIGH T | |
| 102 | 280-5009 | CORD CLAMP 21 | |
| 201 | 000-T00408-0C | M SCR TH CRM M4×8 | |
| 202 | 000-P00408-W | M SCR PH W/FS M4 \times 8 | |
| 203 | 000-P00416-W | M SCR PH W/FS M4 $	imes$ 16 | |
| 204 | 000-F00410 | M SCR FH M4×10 | |
| 205 | 068-441616-0C | FLT WSHR CRM 4.4-16×1.6 | |
| 301 | 600-6817-034 | WIRE HARN BILLBOARD | |
| | | _40_ | |



4 ASSY FRONT CABI (SPG-1000)

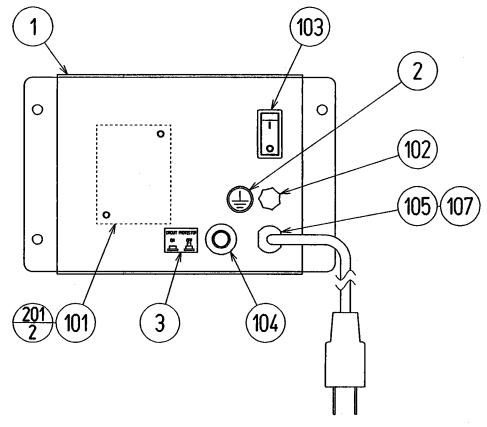
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---|--|--|--------------------------------|
| 1 2 | SPG-1020 SPG-1050 | ASSY BACK LID AC UNIT | AC 110V 60Hz~120V 60Hz AREA |
| * | SPG-1050-01 | AC UNIT EXP | AC 220V 50Hz~240V 50Hz AREA |
| 3 4 5 6 7 | SPG-1050-02 SPG-4000 SPG-4100 SPG-4200 440-WS0033XEG 440-WS0002XEG | AC UNIT KOREA ASSY MAIN BD ASSY PWR SPLY ASSY DRIVE BD STICKER W BD POWER OFF ENG STICKER W POWER OFF ENG | AC 220V 60Hz AREA |
| 101 102 103 104 | 200-5540-SPG 200-5540UL-SPG 601-0460 600-6278-0100 211-5479-01 | ASSY PROJECTION DISPLAY SPG ASSY PROJECTION DISPLAY UL SPG PLASTIC TIE BELT 100M/M ASSY FIBER CABLE 2 0100CM CONN OPT JOINT | OTHERS USA |
| 201 202 203 204 205 206 207 | 000-P00312-W 000-P00408-WB 000-P00420-WB 000-P00530-S 068-552016 050-F00600 000-P00408-W | M SCR PH W/FS M3 \times 12 M SCR PH W/FS BLK M4 \times 8 M SCR PH W/FS BLK M4 \times 20 M SCR PH W/S M5 \times 30 FLT WSHR 5.5-20 \times 1.6 FLG NUT M6 M SCR PH W/FS M4 \times 8 | |
| 301 302 303 304 305 306 307 308 309 310 311 | 600-6817-028 600-6817-029 600-6817-030 600-6817-031 600-6817-032 600-6743-050 600-6817-058 600-6817-059 600-6817-060 600-6817-061 600-6817-062 | WIRE HARN FRONT CABI2 WIRE HARN FRONT CABI3 WIRE HARN FRONT CABI4 WIRE HARN FRONT CABI5 WIRE HARN FRONT CABI6 ASSY RGB CABLE 050CM WIRE HARN E FRONT CABI1 WIRE HARN E FRONT CABI2 WIRE HARN E FRONT CABI3 WIRE HARN E FRONT CABI3 WIRE HARN E FRONT CABI5 | |

5 ASSY BACK LID (SPG-1020)



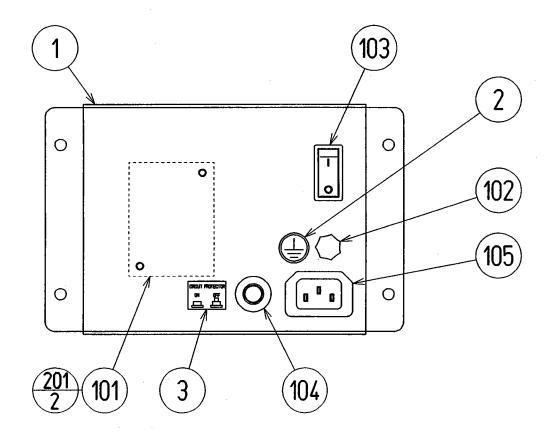
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------|---------------|-------------------------------|------|
| 1 | SPG-1021 | BACK LID | |
| 2 | HN-1042X | FAN BRKT | |
| $\frac{2}{3}$ | 105-5239-04 | AIR VENT | |
| 4 | 601-8543 | FAN GUARD | |
| 101 | 260-0011-02 | AXIAL FLOW FAN AC100V 50-60HZ | |
| 102 | 280-5009 | CORD CLAMP 21 | |
| 103 | 280-5275-SR10 | CORD CLAMP SR10 | |
| 201 | 000-P00408-WB | M SCR PH W/FS BLK M4×8 | |
| 202 | 000-P00412-WB | M SCR PH W/FS BLK M4×12 | |
| 203 | 050-F00400 | FLG NUT M4 | |
| 204 | 000-P00312-W | M SCR PH W/FS M 3×12 | |
| 205 | 050-F00300 | FLG NUT M3 | |
| 301 | 600-6817-033 | WIRE HARN FRONT CABI7 | |
| | | | |

6 AC UNIT (SPG-1050)



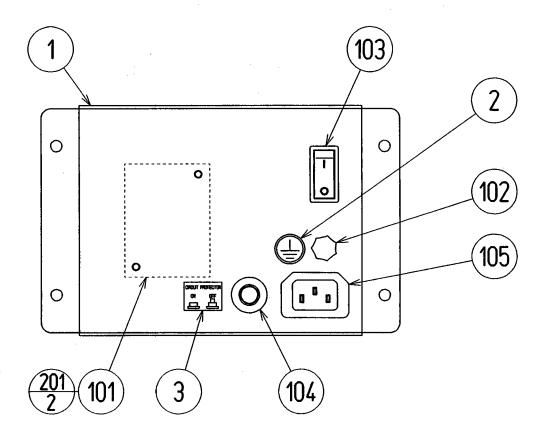
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|-------------|--|---|------------------------------|
| 1 2 3 | TTR-1251 421-8202 421-7468-01 | AC BRKT STICKER BARTH MARK STICKER C. P W/PIC | |
| 101 | 450-5135 450-5126 | MAGNET CONTACT S-NIOCX AC 120V MAGNET CONTACT S-NIOCX TERMINAL BINDING POST BLACK | AC 120V AREA AC 110V AREA |
| 102 | 280-0417 | | |
| 103 | 509-5453-V-B | SW ROCKER J8 V-B | |
| 104 | 512-5046-15000 512-5047-15000 512-5033-15000 | C. P 15000MA CE UL C. P 15000MA NRF110 TUV CIRCUIT PROTECTOR 15000MA | |
| 105 | 600-0110 600-5843-25 | CA & PLUG ASSY W/BARTH CA & PLUG ASSY 15A W/-F- L=2.5 | AC 120V AREA AC 110V AREA |
| 106 | 280-5009 | CORD CLAMP 21 | |
| 107 | 280-5134-6N4 280-5134-6N34 | BUSHING STRAIN RELIEF 6N4 BUSHING STRAIN RELIEF 6N34 | AC 120V AREA AC 110V AREA |
| 108 | 601-0460 | PLASTIC TIE BELT 100M/M | 1 1DOD #1/DD |
| 109 | 209-0032 | CONN CLOSED END | LARGE TYPE |
| 110 | 310-5029-J20 | SUMITUBE FJ 20MM | |
| 111 | 270-5098 270-5098-01 | SLEEVE FERRITE CORE SFC-10 SLEEVE FERRITE CORE SFC-10 BK | |
| 201 | 000-P00416-W | M SCR PH W/FS M4×16 | |
| 301 | 600-6697-01 | WIRE HARN AC UNIT TWIN | |
| 302 | 600-6363-83-91 | WIRE HARN EARTH AC UNIT | |
| / | 211-0167 | TERM LUG RND ID5 | |

6 AC UNIT EXP (SPG-1050-01)



| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|---|---|------|
| 1 2 3 | TTR-1261 421-8202 421-7468-01 | AC BRKT EXP STICKER EARTH MARK STICKER C.P W/PIC | |
| 101 102 103 104 | 450-5134 280-0417 509-5453-V-B 512-5046-8000 512-5047-8000 | MAGNET CONTACT S-NIOCX AC 230V TERMINAL BINDING POST BLACK SW ROCKER J8 V-B C. P 8000MA CE UL C. P 8000MA NRF110 TUV | |
| 105 106 108 110 111 | 214-0202 280-5009 601-0460 310-5029-J20 270-5098 270-5098-01 | AC INLET PANEL TYPE CORD CLAMP 21 PLASTIC TIE BELT 100M/M SUMITUBE FJ 20MM SLEEVE FERRITE CORE SFC-10 SLEEVE FERRITE CORE SFC-10 BK | |
| 201 | 000-P00416-W | M SCR PH W/FS M4×16 | |
| 301 302 | 600-6697-37 600-6363-83-91 | WIRE HARN AC UNIT BXP WIRE HARN EARTH AC UNIT | |

6 AC UNIT KOREA (SPG-1050-02)



| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|---|---|------|
| 1 2 3 | TTR-1261 421-8202 421-7468-01 | AC BRKT EXP STICKER BARTH MARK STICKER C. P W/PIC | |
| 101 102 103 104 | 450-5133 280-0417 509-5453-V-B 512-5046-8000 512-5047-8000 | MAGNET CONTACT S-NIOCX AC 200V TERMINAL BINDING POST BLACK SW ROCKER J8 V-B C. P 8000MA CE UL C. P 8000MA NRF110 TUV | |
| 105 106 108 110 111 | 214-0202 280-5009 601-0460 310-5029-J20 270-5098 270-5098-01 | AC INLET PANEL TYPE CORD CLAMP 21 PLASTIC TIE BELT 100M/M SUMITUBE FJ 20MM SLEEVE FERRITE CORE SFC-10 SLEEVE FERRITE CORE SFC-10 BK | |
| 201 | 000-P00416-W | M SCR PH W/FS M4 $	imes$ 16 | |
| 301 302 | 600-6697-37 600-6363-83-91 | WIRE HARN AC UNIT EXP WIRE HARN EARTH AC UNIT | |

7 ASSY REAR CABI (\$PG-2000)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------------|----------------------|-------------------------------------|------|
| 1 | SPG-2050 | ACCV CONTROL DANIS | |
| $\overline{2}$ | SPG-2100 | ASSY CONTROL PANEL | |
| $\bar{3}$ | SPG-2150 | ASSY HANDLE MECHA | |
| 4 | SPG-2200 | ASSY 4 SPEED SHIFTER | |
| 5 | SPG-2250 | ASSY ACCEL & BRAKE ASSY SW PLATE | |
| 6 | SPG-2260 | ASSY FLOOR CENTER | |
| 7 | SPG-2270 | ASSY SIDE STEP | |
| 8 | SPG-2300 | ASSY COCKPIT | |
| 9 | SPG-2400 | ASSY SEAT | |
| 10 | SPG-2450 | ASSY MOTOR | |
| 11 | SPG-2001 | STEERING WHEEL | |
| 12 | SPG-2002 | STEERING EMBLEM | |
| 13 | SPG-2003 | STEERING COLLAR | |
| 14 | SPG-2004 | STEERING BOSS | |
| 15 | SPG-2005 | ARM REST BOX | |
| 16 | SPG-2006 | ARM REST SUPPORT | |
| 17 | SPG-2007 | SIDE STEP BOX L | |
| 18 | SPG-2008 | SIDE STEP BOX R | |
| 19 20 | SPG-2009 | SIDE STEP COVER R A | |
| 20 21 | SPG-2010 | SIDE STEP COVER R B | |
| 22 | SPG-2011 | FLOOR COVER L | |
| 23 | SPG-2012 SPG-2013 | FLOOR COVER R | |
| 24 | SPG-2014 | IDLER BASE | |
| 25 | SPG-2015 | IDLER SHAFT B | |
| 26 | SPG-2016 | IDLER SUPPORT | |
| 27 | SPG-2017 | PULLEY COLLAR SUPPORT BRKT L | |
| 28 | SPG-2018 | SUPPORT BRKT R | |
| 29 | SPG-2019 | IDLER COVER | |
| 30 | SPG-2020 | FRONT COVER UPPER L | |
| 31 | SPG-2021 | FRONT COVER UPPER R | |
| 32 | SPG-2022 | FRONT COVER LOWER L | |
| 33 | SPG-2023 | FRONT COVER LOWER R | |
| 34 | SPG-2350 | ASSY BRAKE | |
| 35 | SPG-2025 | WIRE COVER | |
| 36 | SPG-2026 | BULK BOARD BRKT | |
| 37 | SPG-2027 | CONTROL PANEL COVER R | |
| 38 39 | SPG-2028 | BULK BOARD COVER | |
| 39 40 | SPG-2029 | CONTROL PANEL SIDE COVER L | |
| 40 41 | SPG-2030 | CONTROL PANEL SIDE COVER R | |
| 42 | SPG-2031 | BONNET COVER | |
| 43 | SPG-2032 SPG-2033 | TAIL COVER | |
| 44 | SPG-2034 | REAR AXIS COVER A | |
| 45 | SPG-2035 | ARM REST COVER | |
| 46 | SPG-2036 | LENS | |
| 47 | SPG-2037 | HOLDER PIN | |
| 48 | SPG-2038 | METER LAMP BRKT | |
| 49 | SPG-2039 | BRAKE COVER SPACER RING | |
| 50 | SPG-2040 | SPACER RING SWING TWIG BOX | |
| 51 | SPG-2041 | BELT CLAMP | |
| 52 | SPG-2042 | BELT CLAMP BASE | |
| | | DOUT ODVIM DAPE | |

7 ASSY REAR CABI (SPG-2000)

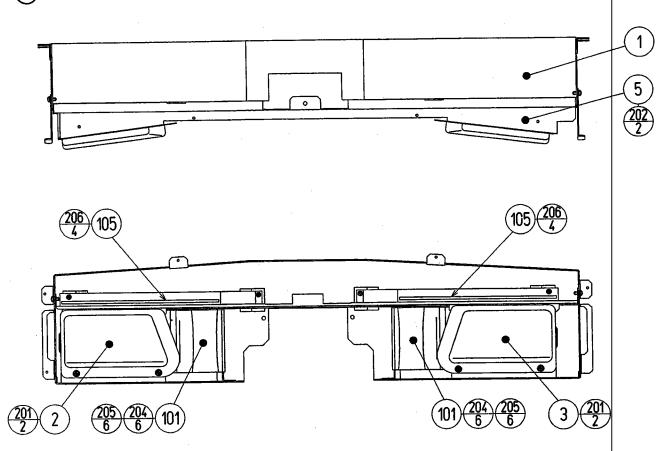
| | | | NOTE |
|----------|------------------------|--------------------------------------|----------|
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
| | | REAR COVER BRKT | |
| 53 | SPG-2043 | IDLER PULLEY S5M 25 | |
| 57 | SPG-2106 | | |
| 58 | SPG-3000 | ASSY BANK BASE | |
| 59 | SPG-3305 | STOP RUBBER | |
| 60 | SPG-2047 | CENTER COVER | |
| 61 | SPG-2048 | SPL BLT M8 | |
| 62 | SPG-2058 | BRAKE COVER INNER | |
| 63 | SPG-2059 | SHIELD PLATE | |
| 64 | TTR-3205 | FLT 14.5-36×3.2 STICKER SPONSOR A | |
| 65 | SPG-2007-B | STICKER SPONSOR B | |
| 66 | SPG-2007-C | STICKER SPONSOR C | |
| 67 | SPG-2008-B | ASSY COINCHUTE TOWER | |
| 68 | SPG-3100 | CONTROL PANEL COVER F | |
| 69 | SPG-2054 | STICKER C SPG A ENG | |
| 70 | 440-CS0101-EG | STICKER C SPG A ENG | |
| 71 | 440-CS0102-EG | STICKER W MOTOR UNIT ASK ENG | |
| 73 | 440-WS0093-EG | SITURER W MOTOR ONTE ASK BIG | |
| 404 | 100 5940 | BEARING FAI30 | • |
| 101 | 100-5240 601-8991 | TIMING BELT S5M 25MM 1350 | |
| 102 | 601-9088 | TIMING BELT S5M 25MM 600 | |
| 103 | 280-5247 | ONE TOUCH BUSHING | |
| 104 | 280-5248-10 | ONE TOUCH COLLAR M3 L=10 | |
| 105 | 390-5689-WH | CATHODE TUBE UNIT 24V WHITE | |
| 106 | 990-9009 # 11 | | |
| 201 | 000-P00410-W | M SCR PH W/FS M4×10 | |
| 202 | 000-T00408-0C | M SCR TH CRM M4×8 | |
| 203 | 000-T00412-0C | M SCR TH CRM $M4 \times 12$ | |
| 204 | 000-T00412-0B | M SCR TH BLK M4×12 | |
| 205 | 000-F00410 | M SCR FH M4×10 | |
| 206 | 000-P00520-W | M SCR PH W/FS M5×20 | |
| 207 | 068-441616-0C | FLT WSHR CRM 4. 4-16×1. 6 | |
| 208 | 068-441616-0B | FLT WSHR BLK 4. 4-16×1. 6 | |
| 209 | 030-000620-SB | HEX BLT W/S M6×12 | |
| 210 | 030-000620-S | HEX BLT W/S M6×20 | |
| 211 | 030-000640-S | HEX BLT W/S M6×40 | |
| 212 | 060-F00600 | FLT WSHR M6 | |
| 213 | 030-000820 - \$ | HEX BLT W/S M8×20 | • |
| 214 | 030-000840 - \$ | HEX BLT W/S M8×40 | |
| 215 | 030-000860-S | HEX BLT W/S M8×60 | |
| 216 | 030-000880-S | HEX BLT W/S M8×80 | |
| 217 | 050-Н00800 | HEX NUT M8 | 'n |
| 218 | 020-000820-0Z | HEX SKT H CAP SCR BLK OZ M8×2 | .0 |
| 219 | 060-F00800 | FLT WSHR M8 | |
| 220 | 060-\$00800 | SPR WSHR M8 | |
| 221 | 050-H01400 | HEX NUT M14 | |
| 222 | 060-F01400 | FLT WSHR M14 | |
| 223 | 060-\$01400 | SPR WSHR M14 | |
| 225 | FAS-300001 | HEX BLT CRM W/FS M8×20 | 1 |
| 228 | FAS-200015 | HEX SKT H CAP SCR B OZ M14×30 | J |
| 229 | FAS-200013 | HEX SKT H CAP SCR CRM M4×16 | |
| 230 | 050-U00600 | U NUT M6 | |
| | | | |

7 ASSY REAR CABI (SPG-2000)

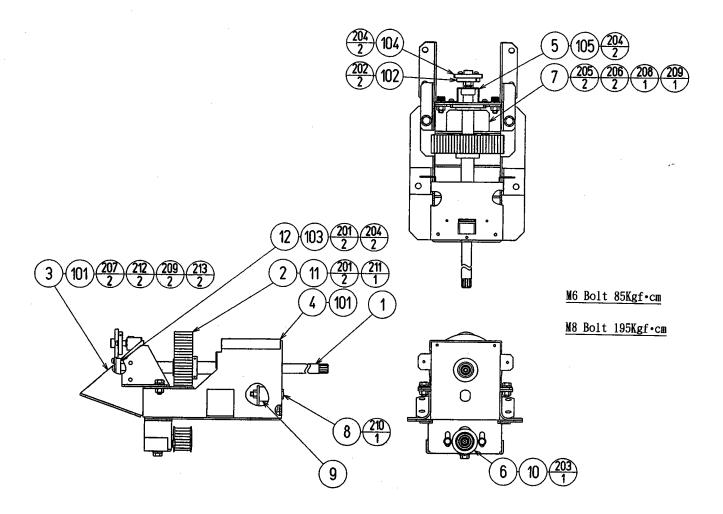
(D-4/4)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|--|---|---|------|
| 231 232 233 234 235 236 237 238 | 068-652016 030-000820-SB 030-000860-SB 000-P00512-W 000-P00320-W 060-F00800-0B 060-F00600-0B 068-852216-0B | FLT WSHR 6.5-20×1.6 HEX BLT W/S BLK M8×20 HEX BLT W/S BLK M8×60 M SCR PH W/FS M5×12 M SCR PH W/FS M3×20 FLT WSHR BLK M8 FLT WSHR BLK M6 FLT WSHR BLK 8.5-22×1.6 | |
| 239 | 030-000850-S | HEX BLT W/S M8 \times 50 | |

8 ASSY CONTROL PANEL (SPG-2050)

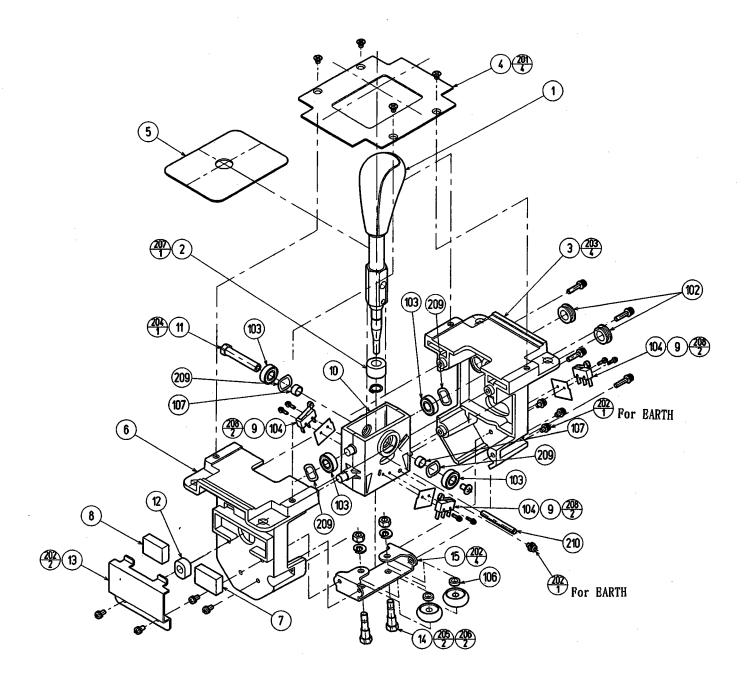


| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|--|--|------|
| 1 2 3 5 | SPG-2051 SPG-2052 SPG-2053 SPG-2055 | CONTROL PANEL BOX SPEAKER NET L SPEAKER NET R DASH BOARD BRKT | |
| 101 102 103 104 105 | 130-5162 280-5009 280-5275-SR10 601-0460 390-5689-GR | GULL BOX SPEAKER 80HM 8W CORD CLAMP 21 CORD CLAMP SR10 PLASTIC TIE BELT 100M/M CATHODE TUBE UNIT 24V GREEN | |
| 201 202 204 205 206 | 000-P00412-W 000-P00410-W 012-P00412 060-F00400 000-P00320-W | M SCR PH W/FS M4 \times 12 M SCR PH W/FS M4 \times 10 TAP SCR #2 PH 4 \times 12 FLT WSHR M4 M SCR PH W/FS M3 \times 20 | |
| 301 | 600-6817-044 | WIRE HARN METER PANEL | |



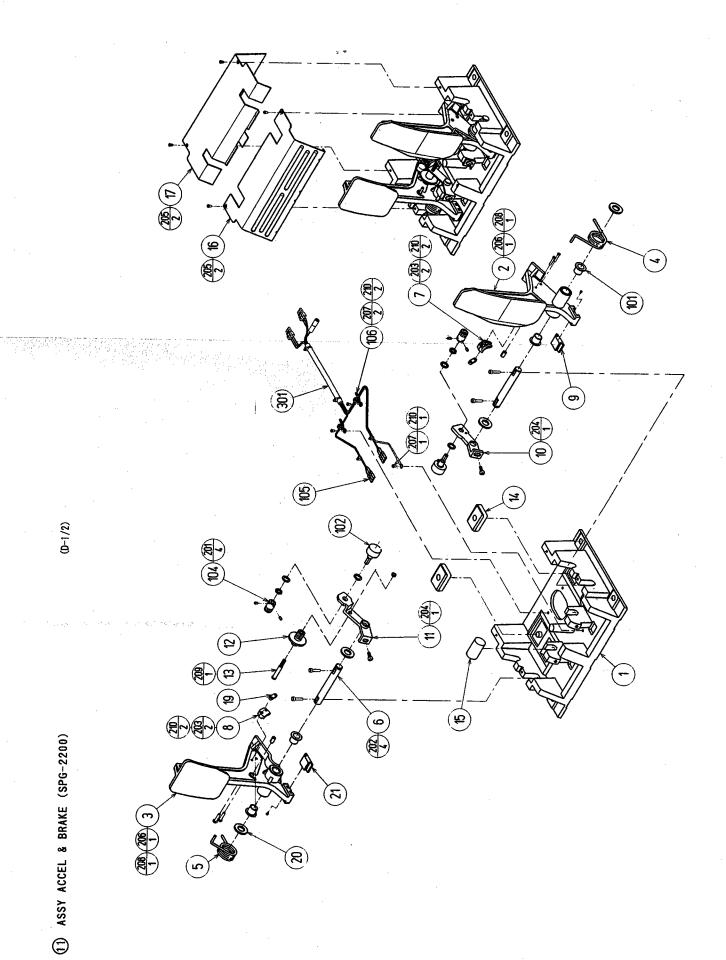
9 ASSY HANDLE MECHA (SPG-2100)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|-----------------------|--------------------------------------|------|
| 1 | SPG-2101 | STEERING SHAFT | |
| $ar{2}$ | SPG-2102 | PULLEY S5M 80 | |
| 3 | SPG-2103 | SHAFT BASE F | |
| 4 | SPG-2104 | SHAFT BASE R | |
| 5 | SPG-2105 | VOL BRKT | |
| 6 | SPG-2106 | IDLER PULLEY S5M 25 | |
| 7 | SPG-2107 | IDLER SHAFT A | |
| 8 | SPG-2108 | STOPPER BOLT | |
| 9 | SPG-2109 | STOPPER RUBBER | |
| 10 | SPG-2110 | FLT WSHR 5.5 \times 15-1.6 | |
| 11 | SPG-2111 | $KEY 5 \times 5 \times 20$ | |
| 12 | SLC-1130 | ADJUST RING | |
| 101 | 100-5112 | BEARING 17 | |
| 102 | 601-8966 | GEAR HOLDER | |
| 103 | 601-6172 | GEAR 48 | |
| 104 | 601-6959 | GEAR 64 | |
| 105 | 220-5484 | VOL CONT B-5K OHM | |
| 105 | 220-5373 | VOL CONT B-5K | |
| 106 | 310-5029 - F20 | SUMI TUBE FF 20MM | |
| 201 | 028-A00408-P | SET SCR HEX SKT CUP P M4×8 | |
| 202 | 028-A00308-P | SET SCR HEX SKT CUP P M 3×8 | |
| 203 | 000-P00516-W | M SCR PH W/FS M5 $	imes$ 16 | |
| 204 | 000-P00412-W | M SCR PH W/FS M4 $	imes$ 12 | • |
| 205 | 030-000620-S | HEX BLT W/S M6 \times 20 | |
| 206 | 060-F00600 | FLT WSHR M6 | |
| 207 | 030-000820-S | HEX BLT W/S M8×20 | |
| 208 | 030-000840-S | HEX BLT W/S $M8 \times 40$ | |
| 209 | 060-F00800 | FLT WSHR M8 | |
| 210 | 050-U00800 | U NUT M8 | |
| 211 | 065-\$020\$0-Z | STP RING BLK OZ S20 | |
| 212 | 020-000820-0Z | HEX SKT H CAP SCR BLK OZ M8×20 | |
| 213 | 060- S 00800 | SPR WSHR M8 | |
| 301 | 600-6817-043 | WIRE HARN STEERING VOLUME | |



10 ASSY 4 SPEED SHIFTER (SPG-2150)

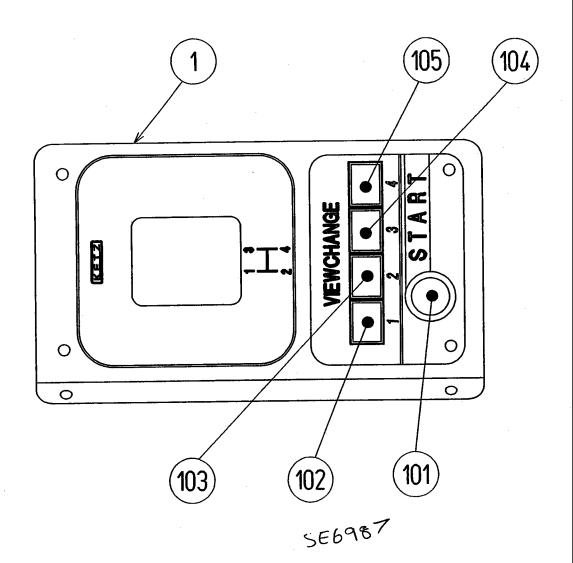
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|--------------|-----------------------------|------|
| 1 | SPG-2151 | SHIFT KNOB | |
| 2 | SPG-2152 | STOPPER RUBBER | |
| 3 | SPG-2153 | FRONT BASE | |
| 4 | SPG-2154 | SLIDE COVER | |
| 5 | SPG-2155 | SLIDE PLATE | |
| 6 | SPG-2156 | REAR BASE | |
| 7 | SPG-2157 | RUBBER BLOCK 45 | |
| 8 | SPG-2158 | RUBBER BLOCK 65 | |
| 9 | SPG-2159 | INSULATOR SHEET | |
| 10 | SPG-2160 | SHAFT CASE | |
| 11 | SPG-2161 | SHAFT BOLT | |
| 12 | SPG-2162 | CENTERING BLOCK | |
| 13 | SPG-2163 | RUBBER CASE | |
| 14 | SPG-2164 | ROLLER BOLT | |
| 15 | SPG-2165 | ROLLER SUPPORT | |
| 101 | 100-5252 | BEARING ROLLER 25 | |
| 102 | 100-5193 | GROMMET 11 | |
| 103 | 100-5170 | BEARING 8 | |
| 104 | 509-5636 | SW MICRO TYPE SS-5GL2T | |
| 105 | 601-0460 | PLASTIC TIE BELT 100M/M | |
| 106 | 280-5306 | SPACER FAI 6×30 | |
| 107 | 280-5307 | SPACER FAI 8×55 | |
| 201 | 000-F00406 | M SCR FH M4×6 | |
| 202 | 000-P00410-W | M SCR PH W/FS M4×10 | |
| 203 | 000-P00420-W | M SCR PH W/FS M4×20 | |
| 204 | 000-P00508-W | M SCR PH W/FS M5×8 | |
| 205 | 050-Н00600 | HEX NUT M6 | |
| 206 | 060-\$00600 | SPR WSHR M6 | |
| 207 | 065-S010S0-Z | STP RING BLK OZ S10 | |
| 208 | FAS-000033 | M SCR PH W/FS M2.3×12 | |
| 209 | FAS-650008 | WAVE WSHR 12. 7-18. 1×2. 5 | |
| 210 | FAS-450006 | SPR PIN WAVE STN 5×45 | |
| 301 | 600-6445-45 | WIRE HARN SHIFT MECHA | |
| 302 | 600-6872 | WIRE HARN EARTH SHIFT MECHA | |



11) ASSY ACCEL & BRAKE (SPG-2200)

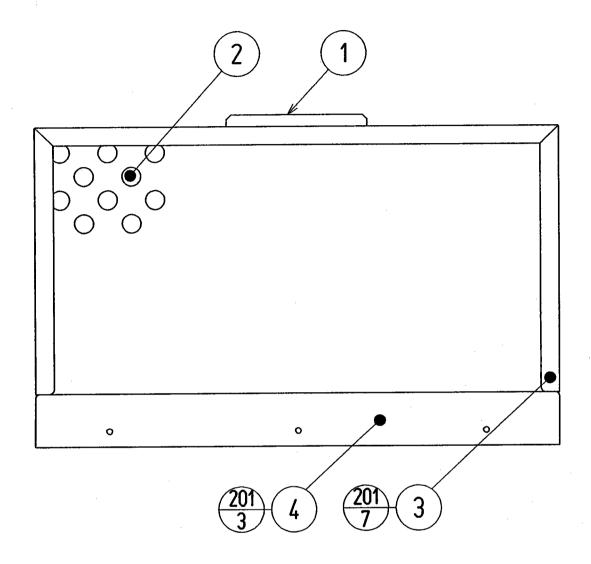
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|---------------|--------------------------------|------|
| 1 | SPG-2201 | BASE | |
| 2 | SPG-2202 | ACCEL PEDAL | |
| 3 | SPG-2203 | BRAKE PEDAL | |
| 4 | SPG-2204 | ACCEL SPRING | |
| 5 | SPG-2205 | BRAKE SPRING | |
| 6 | SPG-2206 | SHAFT | |
| 7 | SPG-2207 | ACCEL GEAR | |
| 8 | SPG-2208 | BRAKE GEAR | |
| 9 | SPG-2209 | NEUTRAL STOPPER | |
| 10 | SPG-2210 | VR PLATE ACCEL | |
| 11 | SPG-2211 | VR PLATE BRAKE | |
| 12 | SPG-2212 | AMPL GEAR | |
| 13 | SPG-2213 | GEAR SHAFT | |
| 14 | SPG-2214 | STOPPER | |
| 15 | SPG-2215 | RUBBER CUSHION | |
| 16 | SPG-2216 | COVER | |
| 17 | SPG-2217 | VR COVER | |
| 19 | SPG-2219 | GEAR STAY | |
| 20 | SPG-2220 | WSHR | |
| 21 | SPG-2221 | NEUTRAL STOPPER D | |
| 101 | 100-5263 | BEARING 12 | |
| 102 | 220-5484 | VOL CONT B-5K OHM | |
| 104 | 601-7944 | GEAR 15 | |
| 105 | 310-5029-F15 | SUMITUBE F F15MM | |
| 106 | 280-0419 | HARNESS LUG | |
| 201 | 028-A00304-P | SET SCR HEX SKT CUP P M3×4 | |
| 202 | 020-000516-0Z | HEX SKT H CAP SCR BLK OZ M5×16 | |
| 203 | 000-P00420 | M SCR PH M4×20 | |
| 204 | 000-P00508-W | M SCR PH W/FS M5×8 | |
| 205 | 000-T00408-0C | M SCR TH CRM M4×8 | |
| 206 | FAS-450005 | SPR PIN BLK OZ 6×10 | |
| 207 | 000-P00405 | M SCR PH M4×5 | |
| 208 | FAS-000001 | M SCR TH CRM M3 \times 6 | i |
| 209 | 050-H00500 | HEX NUT M5 | |
| 210 | 060-F00400 | FLT WSHR M4 | |
| 301 | 600-6840 | WIRE HARN ACCEL & BRAKE | |

12 ASSY SW PLATE (SPG-2250)



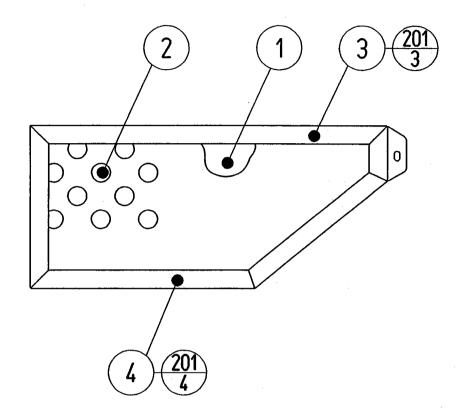
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|--|--|--|------|
| 1 | SPG-2251 | SW PLATE | |
| 101 102 103 104 105 106 | 509-0161 509-5779-RE 509-5779-BL 509-5779-YE 509-5779-GR 280-5009 | SW PB TYPE 1T YEL W/LAMP SW PB W/LAMP 6V RED SW PB W/LAMP 6V BLUE SW PB W/LAMP 6V YELLOW SW PB W/LAMP 6V GREEN CORD CLAMP 21 | |
| 201 | 050-F00400 | FLG NUT M4 | |
| 301 302 | 600-6817-042 600-6817-071 | WIRE HARN VR SW WIRE HARN E SW PLATE | |

(3) ASSY FLOOR CENTER (SPG-2260)

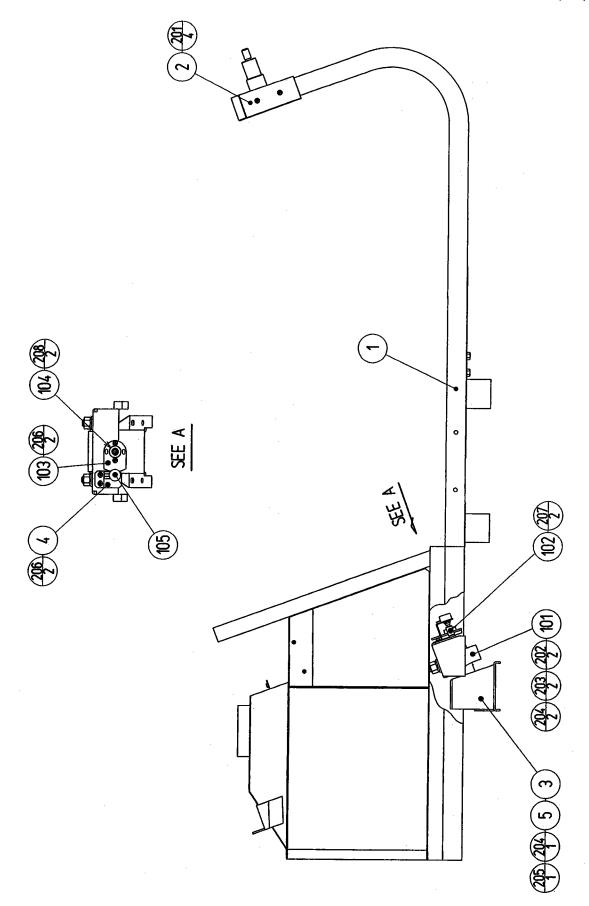


| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|------------------|--|---|------|
| 1 2 3 4 | SPG-2265 SPG-2262 SPG-2263 SPG-2264 | FLOOR PNL CENTER FLOOR MAT CENTER FLOOR SASH A FLOOR SASH B | |
| 201 | 050-U00400 | U NUT M4 | |

14 ASSY SIDE STEP (SPG-2270)

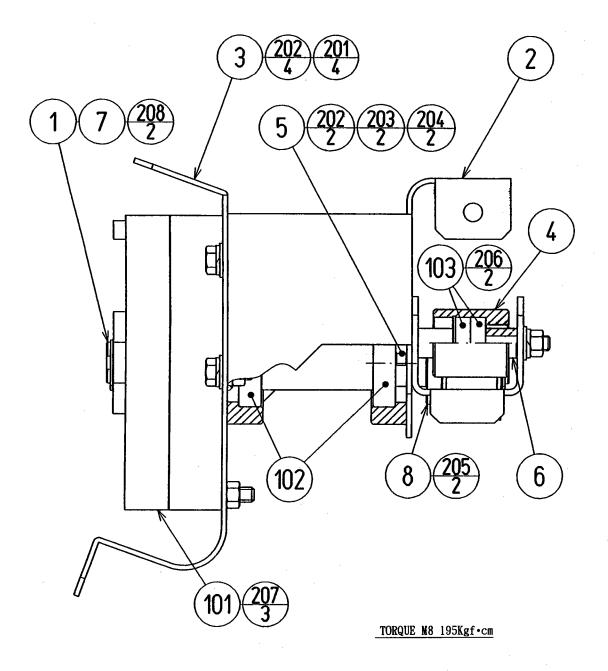


| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------|----------------------|--------------------------------|------|
| $\frac{1}{2}$ | SPG-2271 | FLOOR PNL SIDE | |
| 3 | SPG-2272 SPG-2273 | FLOOR MAT SIDE FLOOR SASH C | |
| 4 | SPG-2274 | FLOOR SASH D | |
| 201 | 050-U00400 | U NUT M4 | |



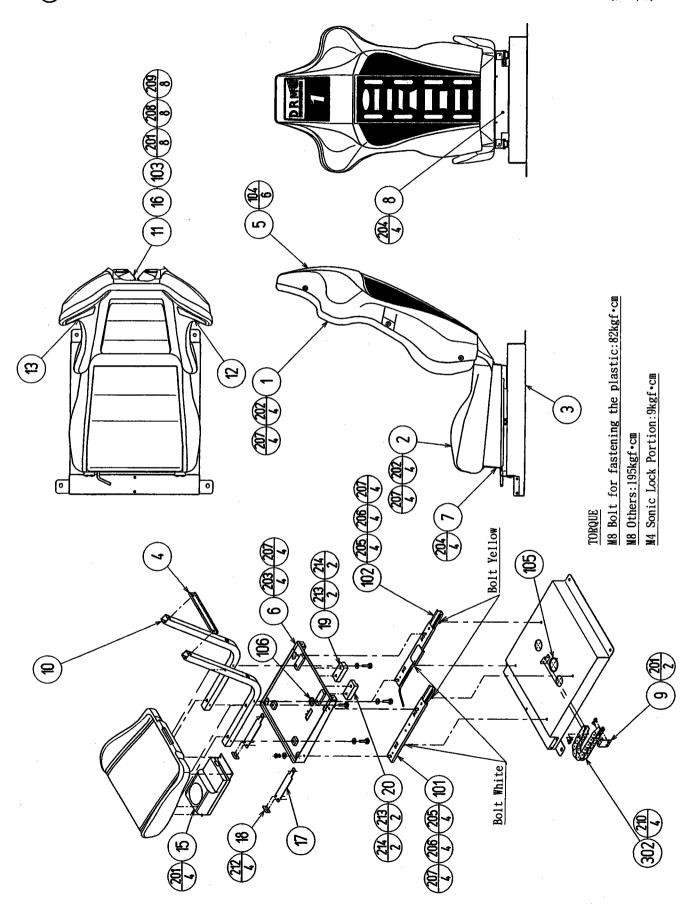
15 ASSY COCKPIT (SPG-2300)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|-----------------------|--|------|
| 1 | SPG-2301 | COCKPIT FRAME | |
| 2 | SPG-2302 | REAR AXIS COVER B FRONT AXIS | |
| 3 | SPG-2303 | VOL BRKT AXIS | |
| 4 | SPG-2304 | FLT 14. 5-36×3. 2 | |
| 5 | TTR-3205 | FLI 14. 0-50 \ 5. Z | |
| 101 | 100-5240 | BEARING FAI30 | |
| 102 | 601-7944 | GEAR 15 | |
| 103 | TTR-2011 | GEAR 110 | |
| 104 | TTR-2010 | GEAR HOLDER 110 | |
| 105 | 220-5484 | VOL CONT B-5K OHM | |
| | 220-5373 | VOL CONT B-5K | |
| 106 | 280-5009 | CORD CLAMP 21 | |
| 107 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 108 | 310-5029 - F20 | SUMI TUBE FF 20MM | |
| 109 | 601-5525-288 | BUSH 1.2T | |
| 110 | 601-5525-140 | BUSH 1.2T | |
| 201 | 000-T00412-0B | M SCR TH BLK M4 $	imes$ 12 | |
| 202 | FAS-200015 | HEX SKT H CAP SCR B OZ $M14 \times 30$ | |
| 203 | 060-F01400 | FLT WSHR M14 | |
| 204 | 060-\$01400 | SPR WSHR M14 | |
| 205 | 050-H01400 | HEX NUT M14 | |
| 206 | 000-P00412-W | M SCR PH W/FS M4×12 | |
| 207 | 028-C00308-P | SET SCR CH CUP P M3×8 | |
| 208 | 028-C00416-P | SET SCR CH CUP P M4×16 | |
| 301 | 600-6817-054 | WIRE HARN COCKPIT1 | |
| 302 | 600-6817-055 | WIRE HARN COCKPIT2 | |
| 303 | 600-6817-040 | WIRE HARN BANK VOLUME | |
| 304 | 600-6817-068 | WIRE HARN E COCKPIT1 | |
| 305 | 600-6817-069 | WIRE HARN E COCKPIT2 | |
| 306 | 600-6817-070 | WIRE HARN E COCKPIT3 | |
| 000 | 000 002 | | |



16 ASSY BRAKE (SPG-2350)

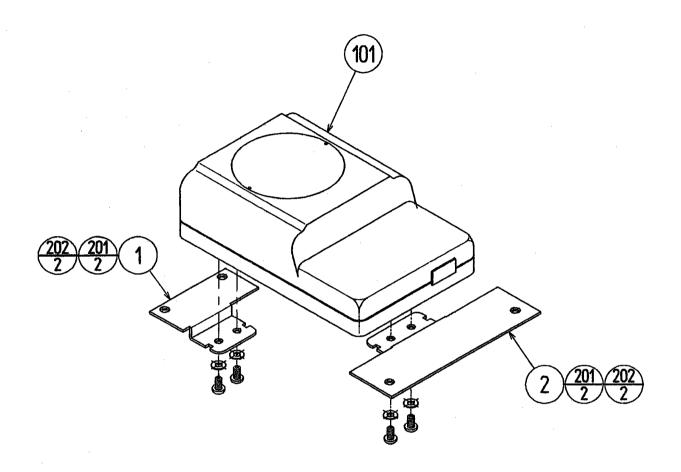
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|----------------------|--------------------------------|------|
| 1 | SPG-2351X | BRAKE AXIS | |
| 2 | SPG-2352 | BRAKE HANG BOX | |
| 3 | SPG-2353 | BRAKE BOX LID | |
| | SPG-2354 | IDLER | |
| 4 5 | SPG-2355 | IDLER SHAFT | |
| | SPG-2356 | IDLER COLLAR | |
| 6 7 | SPG-2357 | KEY $7 \times 7 \times 32$ | |
| 8 | SPG-2359 | DRIVE PULLEY S5M 36 | |
| 101 | 601-9087 | BRAKE BXH-16H | |
| 102 | 100-5266 | BEARING FAI25 | |
| 103 | 100-5111 | BEARING 12 | |
| 104 | 209-0023 | CONN CLOSED END | |
| 105 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 201 | 030-000820-\$ | HEX BLT W/S M8×20 | |
| 202 | 060-F00800 | FLT WSHR M8 | |
| 203 | 060-S00800 | SPR WSHR M8 | |
| 204 | 050-Н00800 | HEX NUT M8 | |
| 205 | 028-A00412-P | SET SCR HEX SKT CUP P M4×12 | |
| 206 | 065-S028H0-Z | STP RING BLK OZ H28 | |
| 207 | FAS-200014 | HEX SKT H CAP SCR BLK OZ M8×45 | |
| 208 | 065-S022S0 -Z | STP RING BLK OZ S22 | |



17 ASSY SEAT (SPG-2400)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|------------------------|---------------------------------|------|
| 1 | SPG-2401 | UPPER SEAT - | |
| 2 | SPG-2402 | LOWER SEAT ~ | |
| 3 | SPG-2403 | SEAT BASE | |
| 4 | SPG-2404 | SEAT FRAME BRKT | |
| 5 | SPG-2405 | SEAT REAR COVER | |
| 6 | SPG-2406 | SEAT SLANT TRAY | |
| 7 | SPG-2407 | SAFETY GUARD F | |
| 8 | SPG-2408 | SAFETY GUARD R | |
| 9 | SPG-2409 | CABLE BEAR BRKT | |
| 10 | STC-1604 | SEAT FRAME | |
| 11 | STC-1607 | SP MOUNT BRKT | |
| 12 | STC-1608 | SPEAKER NET L | |
| 13 | STC-1609 | SPEAKER NET R | |
| 15 | STC-1650 | ASSY WOOFER | |
| 16 | INY-1302-B | MASK CUSHION SIDE | |
| 17 | SPG-2410 | PROTECT RUBBER | · · |
| 18 | SPG-2411 | RUBBER PLATE | |
| 19 | SPG-2412 | SEAT SLIDER | |
| 20 | SPG-2413 | SEAT SLIDER D | |
| 20 | 31 U 2410 | | |
| 101 | 601-9059 | SBAT RAIL L | |
| 102 | 601-9060 | SEAT RAIL R | |
| 103 | 130-5159 | GULL BOX SPEAKER 80HM 5W | |
| 104 | 280-5297 | SCRIVET 8 1K31 | |
| 105 | 601-6563-188 | BUSH 2.4T | |
| 106 | 601-6563-100 | BUSH 2. 4T | |
| 107 | 280-5009 | CORD CLAMP 21 | |
| 108 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 100 | | | |
| 201 | 000-P00410-W | M SCR PH W/FS M4 \times 10 | |
| 202 | 030-000850-S | HEX BLT W/S $M8 \times 50$ | |
| 203 | 030-000816-S | HEX BLT W/S $M8 \times 16$ | |
| 204 | 000-T00408-0B | M SCR TH BLK M4 \times 8 | |
| 205 | 050-H00800 | HEX NUT M8 | |
| 206 | 060-\$00800 | SPR WSHR M8 | |
| 207 | 068-852216 | FLT WSHR 8. $5-22\times1.6$ | |
| 208 | 012-P00412 | TAP SCR #2 PH 4×12 | |
| 209 | 060-F00400 | FLT WSHR M4 | |
| 210 | 000- T 00616-0B | M SCR TH BLK M6×16 | |
| 211 | 010-P00408-F | S-TITE SCR PH W/F $M4 \times 8$ | |
| 212 | 000-T00516-0B | M SCR TH BLK M5 \times 16 | |
| 213 | 030-000630-S | HEX BLT W/S $M6 \times 30$ | |
| 214 | 060-F00600 | FLT WSHR M6 | |
| | | NITED HADN OPPAUDE DVD | |
| 301 | 600-6774-016 | WIRE HARN SPEAKER EXT | |
| 302 | 600-6774-017 | WIRE HARN SEAT EXT | |
| | | | |

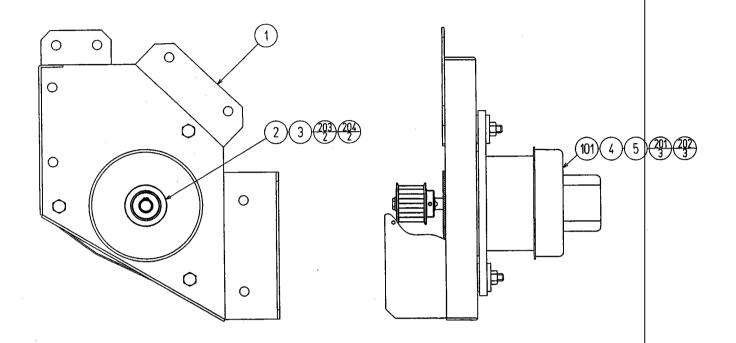
(18) ASSY WOOFER (STC-1650)



TORQUE: Under 10kgf • cm

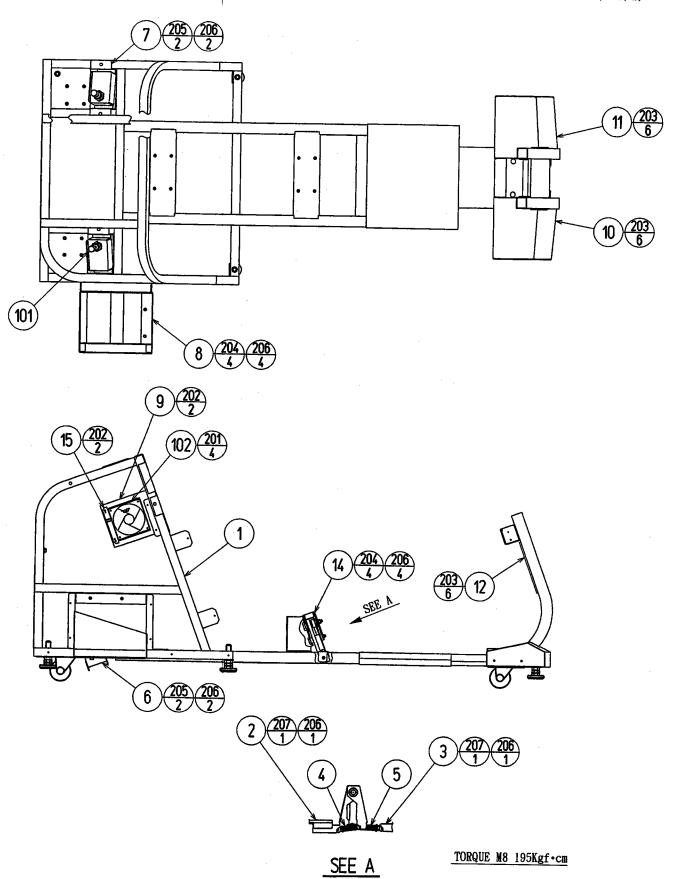
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------|--------------------------|---------------------------------------|------|
| $\frac{1}{2}$ | STC-1651 STC-1652 | WOOFER BRKT F WOOFER BRKT R | |
| 101 | 130-5160 | SUB WOOFER 4 OHM 30W | |
| 201 202 | 012-P00412 060-F00400 | TAP SCR #2 PH 4×12 FLT WSHR M4 | |

(19) ASSY MOTOR (SPG-2450)



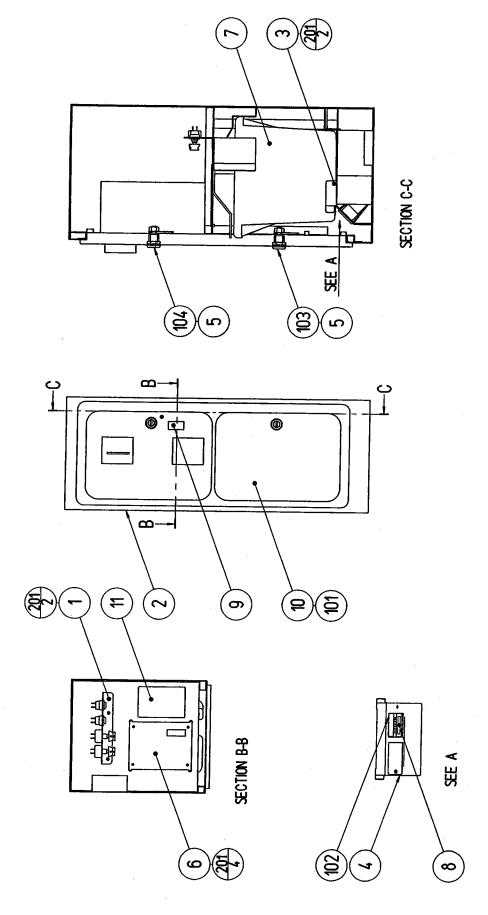
The following torque applies: NUT M8 178Kgf • cm

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|--------------------------|--|---|------|
| 1 2 3 4 5 | SPG-2451 SPG-2452 SPG-2453 ASK-3502 ASK-3503 | MOTOR BRKT DRIVE PULLEY S5M 25 KEY $4 \times 4 \times 40$ MOTOR SPACER MOTOR COLLAR | |
| 101 | 350-5448 | SERVO MOTOR 500W SPG | |
| 201 202 203 204 | 050-U00800 068-852216 065-S012S0-Z 028-A00408-P | U NUT M8 FLT WSHR 8.5-22×1.6 STP RING BLK OZ S12 SET SCR HEX SKT CUP P M4×8 | |



(SPG-3000)

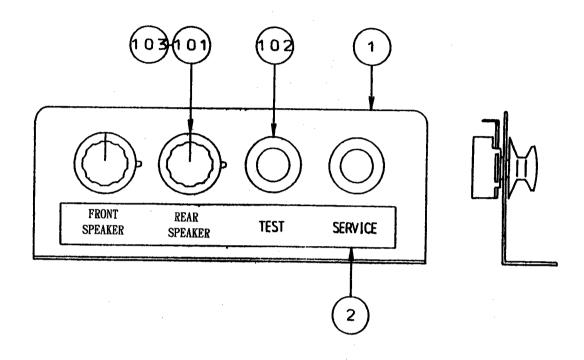
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|--|--|--|------|
| 1 2 3 4 5 6 7 8 | SPG-3001 SPG-3002 SPG-3003 SPG-3004 SPG-3005 SPG-3007 SPG-3011 SPG-3012 | BANK BASE FRAME SPRING HANGER L SPRING HANGER R EXT SPRING L EXT SPRING R DAMPER BRKT L DAMPER BRKT R TOWER BASE FAN MOTOR BRKT REAR SIDE COVER L | |
| 10 11 12 14 15 | SPG-3013 SPG-3014 SPG-3015 SPG-3300 HN-1042X | REAR SIDE COVER R REAR PLATE ASSY CENTERING MECHA FAN BRKT | |
| 101 102 103 104 105 | 601-8918 260-0011-02 280-5009 601-0460 310-5027-1504 | SHOCK ABSORBER RH AXIAL FLOW FAN AC100V 50-60HZ CORD CLAMP 21 PLASTIC TIE BELT 100 M/M INSL SLIT TUBE ID 15 | |
| 201 202 203 204 205 206 207 | 000-P00312-W 000-P00410-W 000-T00412-0B 030-000820-S 030-000850-S 060-F00800 030-000860-S | M SCR PH W/FS M3×12 M SCR PH W/FS M4×10 M SCR TH BLK M4×12 HEX BLT W/S M8×20 HEX BLT W/S M8×50 FLT WSHR M8 HEX BLT W/S M8×60 | |
| 301 302 303 304 305 306 307 308 | 600-6817-047 600-6817-048 600-6817-049 600-6817-050 600-6817-056 600-6817-046 600-6817-067 | WIRE HARN REAR CABI1 WIRE HARN REAR CABI2 WIRE HARN REAR CABI3 WIRE HARN REAR CABI4 WIRE HARN REAR CABI5 WIRE HARN REAR CABI6 WIRE HARN FAN MOTOR WIRE HARN E REAR CABI1 | |



②1 ASSY COINCHUTE TOWER (SPG-3100)

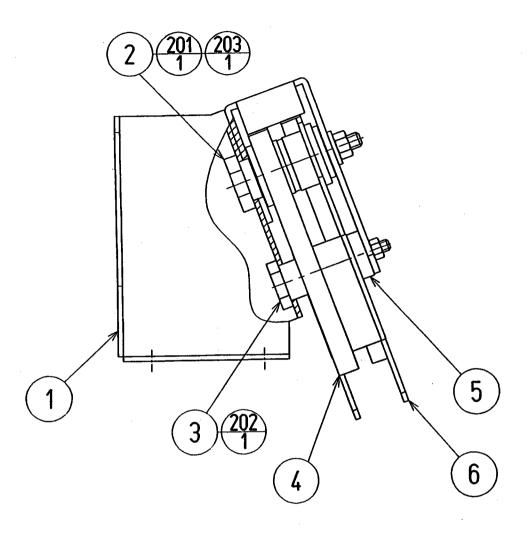
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|----------------|---------------------------|----------------|
| 1 | TTR-0150 | SW UNIT | |
| 2 | SPG-3101 | COIN CHUTE TOWER | |
| 3 | INY-1162 | METER BRKT | OTHER |
| 4 | INY-1163 | METER HOLE LID | OTHER\$ USA |
| | | NOT USED | USA |
| 5 | DP-1167 | TNG LKG | OTHERS |
| 6 | 105-5171 | CHUTE PLATE SINGLE | USA |
| | 105-5172 | CHUTE PLATE DOUBLE | USA |
| 7 | 253-5366 | CASH BOX | |
| 8 | 421-6591-01 | STICKER COIN METER | |
| 10 | 421-7501-02 | STICKER 6. 3V 0. 15A | |
| 11 | 440-WS0002XEG | STICKER W POWER OFF ENG | |
| 101 | 220-5237-92- ~ | ASSY C. C 2DOOR ∼ | |
| 102 | 220-5412 | MAG CNTR W/CONN | |
| 103 | 220-5574 | CAM LOCK W/KBYS | |
| 104 | 220-5575 | CAM LOCK MASTER W/O KEY | |
| 105 | 280-5009 | CORD CLAMP 21 | |
| 106 | 280-5275-SR10 | CORD CLAMP SR10 | |
| 107 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 108 | 310-5029-F20 | SUMI TUBE FF 20MM | |
| 201 | 000-P00408-W | M SCR PH W/FS M4×8 | |
| 301 | 600-6455-02 | WIRE HARN C.C DOOR SINGLE | OTHERS |
| 001 | 600-6455-01 | WIRE HARN C. C DOOR TWIN | USA |
| 302 | 600-6659-38 | WIRE HARN COINCHUTE TOWER | |
| 303 | 600-6659-59 | WIRE HARN EARTH COINCHUTE | |
| / | 220-5412-01 | MAG CNTR W/CONN BLACK | USA |

22 SW UNIT (TTR-0150)



| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|--|--|------|
| 1 2 | INY-1181 421-9000 | SW BRKT STICKER SW UNIT TTR | |
| 101 102 103 104 105 | 220-5179 509-5028 601-0042 310-5029-F20 601-0460 | VOL CONT B-5K OHM SW PB 1M KNOB 22MM SUMITUBE F F20MM PLASTIC TIE BELT 100MM | |
| 301 302 303 | 600-6609-32 600-6609-33 600-6609-34 | WIRE HARN TEST & SERVICE WIRE HARN VOLUME A WIRE HARN VOLUME B | |

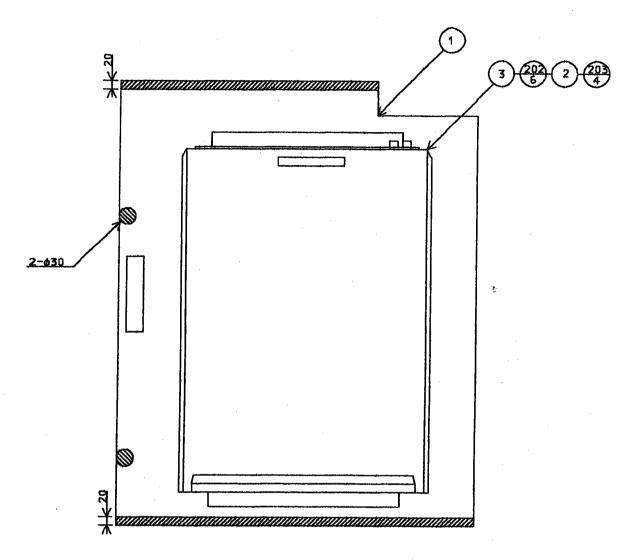
23 ASSY CENTERING MECHA (SPG-3300)



NUT TORQUE M6 80Kgf·cm M8 195Kgf·cm

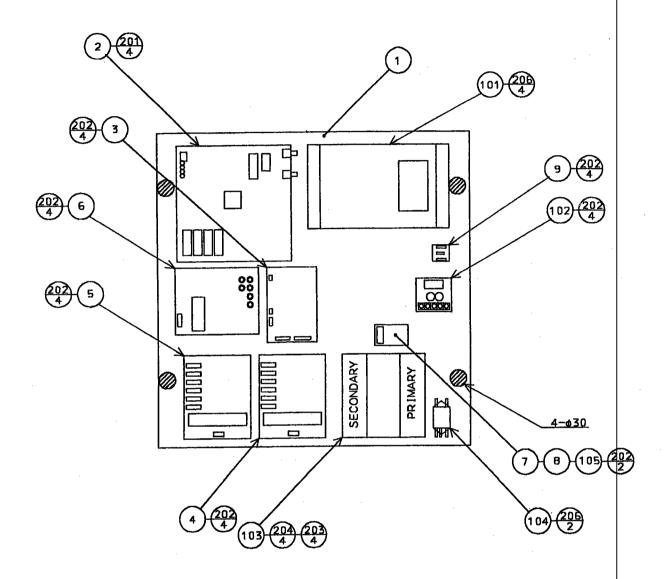
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------------------------|--|---|------|
| 1 2 3 4 5 6 | SPG-3301 SPG-3302 SPG-3303 SPG-3304 SPG-3305-A SPG-3306 | CENTERING BASE BOX CENTERING ARM SHAFT ARM STOP PIN CENTERING ARM L STOP RUBBER BLANK CENTERING ARM R | |
| 201 202 203 | 050-U00800 050-U00600 060-F00800 | U NUT M8 U NUT M6 FLT WSHR M8 | |

24 ASSY MAIN BD (SPG-4000)



Make sure that there is no wiring, etc. in the slash mark portions.

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|--------------|------------------------------|------|
| 1 | SPG-4001 | WOODEN BASE L | |
| 2 | SPG-4300 | ASSY SHIELD CASE | |
| 3 | 105-5241 | SHIELD CASE BRKT | |
| 101 | 280-5009 | CORD CLAMP 21 | |
| 102 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 201 | 011-F00310 | TAP SCR FH 3×10 | |
| 202 | 000-P00408-W | M SCR PH W/FS M4 $	imes$ 8 | |
| 203 | 000-P00412-W | M SCR PH W/FS M4 \times 12 | |
| 301 | 600-6817-019 | WIRE HARN MAIN BD1 | |
| 302 | 600-6817-020 | WIRE HARN MAIN BD2 | |
| 303 | 600-6817-022 | WIRE HARN MAIN BD4 | |



Make sure that there is no wiring, etc. in the slash mark portions.

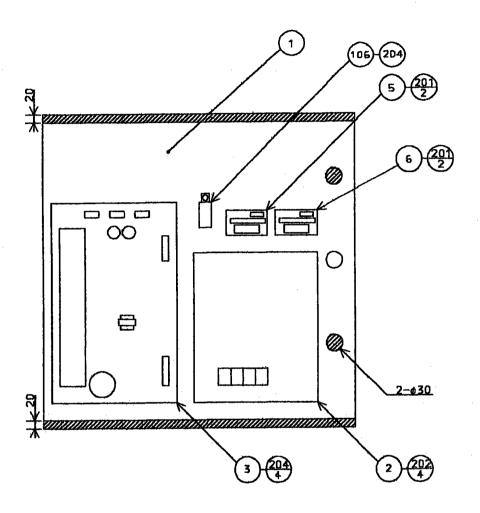
25 ASSY PWR SPLY (SPG-4100)

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|--|---|---|--|
| 1 2 3 4 5 6 7 8 | SPG-4101 837-12941 838-12882 838-11650-08 838-11650-20 838-10141-08 838-11856-01 421-6595-11 839-0542 | WOODEN BASE C SOUND BD SPG DX DSP BD BQ. PWR AMP SDW EQ. PWR AMP SPG DX B MIXER & EQ. AMP FOR S. WOOFER SPG CONNECT BD W/FUSE & COVER STICKER 7A AUDIO MIX BD | |
| 101 102 103 104 105 106 107 108 109 | 400-5330 400-5330UL 400-5144 560-5350 270-5081 514-5036-7000 280-5009 280-0419 601-0460 270-5098 270-5098-01 | SW REGU FOR MODEL3 SW REGU FOR MODEL3 UL REGU BD +24V 2A PWR XFMR 871VA NOISE FILTER 20A FUSE 6.4×30 7000MA 125V CORD CLAMP 21 HARNESS LUG PLASTIC TIE BELT 100 M/M SLEEVE FERRITE CORE SFC-10 SLEEVE FERRITE CORE SFC-10 BK | OTHERS USA |
| 201 202 203 204 205 206 | 011-T00316 011-T00325 000-P00516-W 068-552016 011-F00310 011-T03512 | TAP SCR TH 3×16 TAP SCR TH 3×25 M SCR PH W/FS M5 $\times16$ FLT WSHR 5. 5-20 $\times1$. 6 TAP SCR FH 3×10 TAP SCR TH 3. 5 $\times12$ | AC 220~240V AREA |
| 301 302 303 304 306 307 309 310 311 312 313 314 315 316 317 318 319 320 | 600-6817-002 600-6817-003 600-6817-004 600-6817-005 600-6817-007 600-6817-010 600-6817-011 600-6817-012-91 600-6817-013 600-6817-014 600-6817-015 600-6817-016 600-6817-017 600-6817-018 600-6817-018 600-6817-074 600-6817-075 | WIRE HARN PWR SPLY1 WIRE HARN PWR SPLY2 WIRE HARN PWR SPLY3 WIRE HARN PWR SPLY4 WIRE HARN PWR SPLY6 WIRE HARN PWR SPLY7 WIRE HARN PWR SPLY9 WIRE HARN PWR SPLY10 WIRE HARN PWR SPLY11 WIRE HARN PWR SPLY11 WIRE HARN PWR SPLY12 WIRE HARN PWR SPLY13 WIRE HARN PWR SPLY14 WIRE HARN PWR SPLY15 WIRE HARN PWR SPLY15 WIRE HARN PWR SPLY16 WIRE HARN PWR SPLY17 WIRE HARN PWR SPLY17 WIRE HARN PWR SPLY18 WIRE HARN PWR SPLY18 WIRE HARN PWR SPLY18 | |
| | 560-5342 560-5343 600-6790-094 600-6790-095 | PWR XFMR 200-240V 100V9A AUTO XFMR 110-120V 100V9A WIRE HARN XFMR IN WIRE HARN XFMR OUT | AC 220~240V AREA AC 120V AREA AC 220~240V AREA |

25 ASSY PWR SPLY (SPG-4100)

(D-3/3)

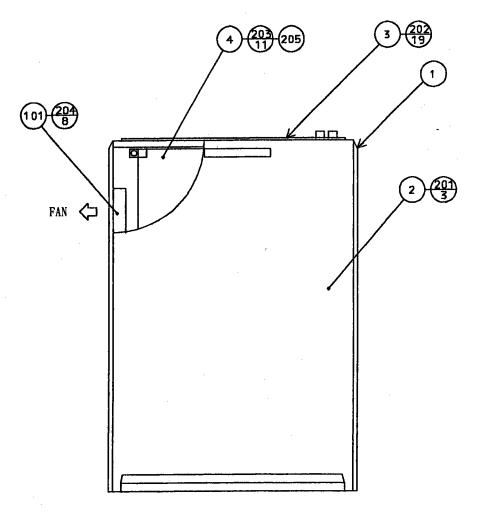
| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|----------|----------------------------|--|--------------|
| /, | 000-P00416-W | | 10 100V APPA |
| | 068-441616 600-6790-093 | FLT WSHR 4.4-16×1.6 WIRE HARN AUTO XFMR | AC 120V AREA |
| | 600-6817-076 | WIRE HARN PWR SPLY20 | AC 110V AREA |



Make sure that there is no wiring, etc. in the slash mark portions.

| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|-----------------------|--------------|-------------------------------|------------|
| 1 2 3 5 6 | SPG-4201 | WOODEN BASE R | |
| 2 | 838-12898 | DRIVE BD SPG DX | |
| 3 | 838-12912 | SERVO MOTOR DRIVE BD SPG | |
| 5 | 839-0233-06 | SSR 3A BD | |
| 6 | *839-0718 | 4A DC SSR BD CONN ORANGE | |
| 101 | 280-5009 | CORD CLAMP 21 | |
| 102 | 280-0419 | HARNESS LUG | |
| 103 | 601-0460 | PLASTIC TIE BELT 100 M/M | |
| 104 | 209-0023 | CONN CLOSED END | SMALL TYPE |
| 105 | 209-0032 | CONN CLOSED END | LARGE TYPE |
| 106 | 400-5354 | RECTIFIER DC45V | |
| 107 | 270-5098 | SLEEVE FERRITE CORE SFC-10 | |
| | 270-5098-01 | SLEEVE FERRITE CORE SFC-10 BK | |
| 108 | 270-5042-04 | L. FILTER D | |
| 201 | 011-T00325 | TAP SCR TH 3×25 | |
| 202 | 011-T00316 | TAP SCR TH 3×16 | |
| 203 | 011-F00310 | TAP SCR FH 3×10 | |
| 204 | 011-T03512 | TAP SCR TH 3.5 \times 12 | |
| 301 | 600-6817-023 | WIRE HARN DRIVE BD1 | |
| 302 | 600-6817-024 | WIRE HARN DRIVE BD2 | |
| 303 | 600-6817-025 | WIRE HARN DRIVE BD3 | |
| 304 | 600-6817-026 | WIRE HARN DRIVE BD4 | |
| 305 | 600-6817-072 | WIRE HARN DRIVE BD5 | |
| 306 | 600-6817-073 | WIRE HARN DRIVE BD6 | |

② ASSY SHIELD CASE (SPG-4300)



| ITEM NO. | PART NO. | DESCRIPTION | NOTE |
|---------------------------------|--|---|---------------------|
| 1 2 3 4 | 105-5245 105-5242 839-0932 833-12938 833-13033 | SHIELD CASE MODEL3 NVS SHIELD CASE LID MODEL3 FILTER BD MODEL3 SPG GAME BD SPG DX GAME BD SCUD RACE DX AUS | OTHERS AUSTRALIA |
| 5 6 7 | 421-9174 421-6510-12938 421-6510-13033 601-8928 | STICKER CAUTION ANTISTATIC STICKER 833-12938 STICKER 833-13033 CARTON BOX MODEL3 | OTHERS AUSTRALIA |
| 101 102 103 | 260-0064 280-5275-SR10 601-0460 | FAN MOTOR DC12V CORD CLAMP SR10 PLASTIC TIE BELT 100 M/M | |
| 201 202 203 204 205 | 000-P00408-W 010-P00308-F 010-P00310-F 000-P00320-W 010-P00365-F | M SCR PH W/FS M4×8 S-TITE SCR PH W/F M3×8 S-TITE SCR PH W/F M3×10 M SCR PH W/FS M3×20 S-TITE SCR PH W/F M3×65 | |
| 301 | 600-6770-018-91 | WIRE HARN FAN MOTOR | |

20. WIRE COLOR CODE TABLE

THE WIRE COLOR CODE is as follow:

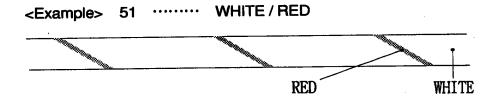
- A PINK
- B SKY BLUE
- C BROWN
- D PURPLE
- E LIGHT GREEN

Wires other than those of any of the above 5 single colors will be displayed by 2 alphanumeric characters.

- 1 RED
- 2 BLUE
- 3 YELLOW
- 4 GREEN
- 5 WHITE
- 7 ORANGE
- 8 BLACK
- 9 GRAY

If the right-hand side numeral of the code is 0, then the wire will be of a single color shown by the left-hand side numeral (see the above).

Note 1: If the right-hand side alphanumeric is not 0, that particular wire has a spiral color code. The left-hand side character shows the base color and the right-hand side one, the spiral color.



Note 2: The character following the wire color code indicates the size of the wire.

K:

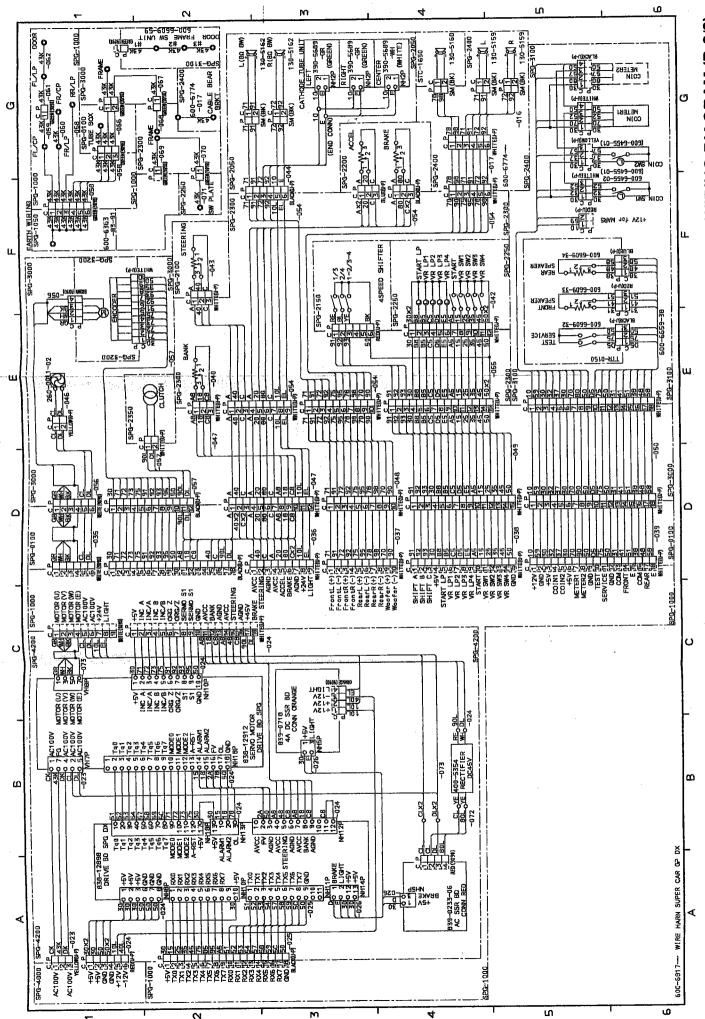
AWG18, UL1015

L:

AWG20, UL1007

None:

AWG22, UL1007



-94

