



CVT 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.

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SEGA®

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

To maintain safety:

To ensure the safe operation of this product, be sure to read the following before usage. 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 close to the product or in a convenient place for future reference.

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



Indicates that mishandling the product by disregarding this pictograph will cause severe injury or death.



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



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

For the safe usage of the product, the following pictographs 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, Serviceman 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.

(The step may be omitted for products in which a power cord with earth is used.)

O Perform work in accordance with the instructions herein stated.

Instructions for work are explained by paying attention to the aspect of accident prevention. Failing to perform work as per the instructions can cause accidents. In the case where only those who have technical expertise should perform the work to avoid hazardous situation, the instructions herein state that the site maintenance personnel should perform such work.

- O Be sure to turn off the power before working on the machine.
 - To prevent an electric shock, be sure to turn off the power before carrying out any work that requires direct contact with 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 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 an electric shock.
 After performing repair, etc. for the control equipment, ensure that the Earth Wire is firmly connected to the control equipment.
- O 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. (Only for the machines which use fuses.)

Using fuses exceeding the specified rating can cause a fire and an 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 where the product was purchased from or the office herein stated. SEGA shall not be held responsible for any accidents, compensation for damage to a third party, resulting from the specifications not designated by SEGA.

O 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 an 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 situations 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. Please place an order with where the product was purchased from or the office herein stated.

 When handling the monitor, be very careful. (Applies only to the product with a monitor.)

Some of the monitor (TV) parts are subject to high tension voltage. Even after turning off the 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.

Be sure to adjust the monitor/projector properly.
 (Applies only to the product with a monitor/projector.)

Do not operate the product leaving on-screen flickering or blurring as it is. Using the product with the monitor/projector not properly adjusted may cause dizziness or a headache to an operator, a player, or the customers.

 When transporting or reselling this product, be sure to attach this manual to the product.

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 the power, check the following points to ensure that the product has been transported in a satisfactory status.

Are there any dented portions or defects (cuts, etc.) on the external surfaces of the cabinet?
Are Casters and Adjusters damaged?
Do the power supply voltage and frequency requirements meet with those of the location?
Are all wiring connectors correctly and securely connected? Unless connected in the correct way, connector connections can not be made accurately. Do not insert connectors forcibly.
Do power cords have cuts and dents?
 Do power cords have cuts and dents?
Do the fuses used meet specified ratings? Is the Circuit Protector in an energized status?
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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INTRODUCTION

This manual describes the work and procedures needed to modify the main projection unit and the satellites of "Derby Owners Club World Edition (hereinafter DOC WE)" produced by SEGA to the same units of "Derby Owners Club World Edition EX (hereinafter DOC WE EX)" at the installation site.

The target audience of this document includes the owners, administrators, and operators of the game unit and this kit, as well as the personnel who will be using this kit to perform the modification. Before starting any work, be sure to thoroughly read this manual, the service manual, and the instruction manual supplied with the cabinet, and make sure that the details and precautions of the kit and the modification procedure are fully understood.

This document explains how to perform the work safely and in a way that will prevent accidents after the work is finished. If any accidents arise due to any handling procedures or work performed contrary to the explanations given in this manual, SEGA will take no responsibility whatsoever for any damages, including those to third parties. Furthermore, after performing the modification, keep this document and the instruction manual supplied with the cabinet in an easily accessible place.

In the unlikely event that the product does not function correctly, DO NOT allow anyone other than a technician to touch the internal system. Turn off the power to the machine, making sure to unplug the electrical cord from the outlet, and contact the office listed below or the point-of-purchase for this product. If it is impossible to modify the game machine as instructed by this manual, contact SEGA headquarters, the service center listed below or the retailer where the modification kit was purchased.

Use of this product is unlikely to cause physical injuries or damage to property. However, points that require special attention are indicated by thick underlining, the word "IMPORTANT" and the symbol below.



Indicates important information that, if ignored, may result in the mishandling of the product and cause faulty operation or damage to the product.

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Procedures not described in this manual or marked as "to be carried out by site maintenance personnel or other qualified professionals" should not be carried out by personnel without the necessary skill or technology. Work carried out by unqualified persons may cause serious accidents, including electrocution.

Parts replacement, maintenance inspections, and troubleshooting should be carried out by site maintenance personnel or other qualified professionals. This manual includes directions for potentially dangerous procedures which should only be carried out by professionals with the appropriate specialized knowledge.

The site maintenance personnel or other qualified professionals mentioned in this manual are defined as follows:

Site maintenance personnel:

Individuals with experience in maintaining amusement equipment, vending machines, etc., working under the supervision of the owner/operator of this product to maintain machines within amusement facilities or similar premises by carrying out everyday procedures such as assembly, maintenance inspections, and replacement of units/expendable parts.

Activities to be carried out by site maintenance personnel:

Amusement equipment/vending machine assembly, maintenance inspection and replacement of units/expendable parts.

Other qualified professionals:

Persons employed by amusement equipment manufacturers, or involved in design, production, testing, or maintenance of amusement equipment. The individual should have either graduated from technical school or hold similar qualifications in electrical/electronics/mechanical engineering.

Activities to be carried out by other qualified professionals:

Amusement equipment/vending machine assembly, repair/adjustment of electrical/electronic/mechanical parts.

1. PRECAUTIONS WHEN PERFORMING THE MODIFICATION

When performing work using the CVT Kit, observe the points listed below and work safely. Improper handling or disregarding the warnings below or elsewhere in the manual may result in injury to the person doing the modification or to a user of the product.

SEGA cannot accept responsibility for damages or injury, including injury to third parties, resulting from failure to read and follow the instructions contained in the manual.



- When modifying the product, carefully read and fully understand this manual in advance, and work as instructed by the manual. This manual explains the modification process with consideration to the prevention of an accident. Failure to modify or handle the product as instructed by this manual may cause an accident.
 - Failure to observe the instructions described in this manual may result in an accident.
 - The product and modification kit contain safety warning stickers, as well as important safety parts (such as covers for personal protection).
 Do not remove any safety warning stickers, make sure to return any protective parts removed during modification, and always modify the product as instructed by this manual. Failure to observe these precautions may result in a serious accident.
- Some modifications may be hazardous if performed by a person without technical knowledge and expertise. This manual instructs these modifications be performed by site maintenance personnel or other qualified professionals. Be sure to observe such precautions as explained in this manual. Failure to do so may result in an accident. If site maintenance personnel or other qualified professionals are unavailable, contact the retailer where the modification kit was purchased.
- This manual gives instructions for modifications to be performed by site maintenance personnel or other qualified professionals. If such modifications are performed by a person without technical knowledge and expertise, operating the product after modification may result in an accident, such as an electric shock to players or people in the vicinity.
- Disconnect the power and unplug the power cord from the wall outlet before starting. Failure to do so may result in electrical shock or a short circuit accident. Modifications may be done without disconnecting the power, only where specifically instructed by this manual.
- Do not use this modification kit on any product that has undergone any alterations unauthorized by SEGA (such as modification, or attaching/ detaching of a device).
 - Failure to observe this precaution may result in fire or electrical shock during modification. It may also result in an accident (such as electrical shock to players or people in the vicinity) or personal injury.
 - If an accident happens due to an unauthorized modification, SEGA shall not be held responsible for any resulting damages (including those to a third party).



- To perform modifications safely, ensure that the following are available:
 - · A spacious working area with adequate lighting,
 - All necessary tools and instruments,
 - · Suitable clothing,
 - · Stool or stepladder as required for overhead work, and
 - Several workers as required.
- Eliminate any environments, conditions, or elements that may cause an accident, such as:
 - Sloped, grooved, or uneven floor,
 - · Water spills,
 - Slippery surfaces,
 - · Low ceiling, and
 - Inappropriate tools and instruments.
- Tightly connect the wires. Loose wiring connections may result in an electric shock or fire.
- If any important safety parts (such as doors, lids, or protective covers) have been damaged or lost during modification, do not operate the product. Purchase a new one at the point of purchase for this product or modification kit, install it properly, and perform a safety check, before operating this product.
- Before starting product modification, remove any dust, dirt, or foreign matter that has accumulated inside the cabinet. Dust, dirt, and foreign matter may have been accumulated in the product that you modify. Dust or other foreign matter on the IC PCB (printed circuit board) or wiring connections may cause a short circuit or fire.
- Be careful not to damage any wires. Damaged wires may cause an accident, such as electrical shock, short circuit, or fire. Thin wires may easily break, and some types of connectors may cause frequent wire breakage. Check the connecting direction when attaching connectors. Incorrect connections may result in wire breakage. Because the wires are covered, it is not easy to check if the inside wires are broken. Do not twist or pull the wires unnecessarily.
- Handle the monitor carefully. The monitor (TV) carries a high-voltage electrical charge. Even after disconnecting the power, some parts may still contain a high-voltage charge. To avoid electrical shock, the monitor should only be handled by site maintenance personnel or other qualified professionals who have expertise with electricity and wiring. Work carefully not only on, but also around the monitor.
- Always keep the monitor (projector) properly adjusted. Adjust the monitor whenever the product has been modified. Modification work often requires a readjustment of the monitor. Do not operate the product without rectifying a flickering or distorted screen. Images on an improperly adjusted screen may cause players or people in the vicinity to feel dizzy, suffer from headaches, or experience epileptic seizures.



Be careful not to lose any fasteners (screws, nuts, or washers) during modification. A metallic fastener dropped on an electrified section may cause a short circuit or fire. If any fasteners become lost, use a new one of the specified size. Using a fastener of unspecified size may cause a serious accident (for example, detaching of a fixed part).



- Carefully handle any glass or plastic parts. Do not apply excessive force or shock to these parts. Failure to observe this instruction may result in breakage, and broken pieces and cracks or chips in these parts may cause personal injury.
- When repairing any glass or plastic parts, do not fasten screws and nuts too tightly. Failure to observe this precaution may result in damage to these parts, and as a result any broken pieces may cause personal injury.
- Use a stable stool so that work can be carried out safely and securely.
 Working without a stable stool could result in a fall or injury.



- When checking the circuitry of the IC board, use a logic tester only. Ordinary testers cannot be used.
- Static electricity can damage some electronics devices on the IC board. Before handling the IC board, touch a grounded metallic surface to discharge static electricity.
- Make sure to include the instruction manuals for the product both before and after the modification, the service manual, and this document, when moving or selling this product.
- Some parts are not specifically designed and manufactured for this game machine. The manufacturers may discontinue, or change the specifications of, such general-purpose parts. If this is the case, SEGA cannot repair or replace the damaged game machine, whether or not the warranty period has expired.
- Some of the parts included in this kit are commercially available parts that have been altered for use with SEGA products. Should a defective part be found or machine trouble encounter, contact the retailer or office listed in this manual.
 - Refrain from contacting manufacturers with enquiries or service requests, as individual parts manufacturers may not accept support calls or be able to provide support services immediately.

2. OUTLINE OF KIT

Kit for remodeling one main projection unit: XKT-1498-C-EX1Kit for remodeling one satellite: XKT-1499-C-EX1

This manual describes the installed and assembled cabinet. When installation work is incomplete, refer to "6. Assembly and Installation" in the DOC WE Owner's Manual included with the cabinet for installation.

3. CONTENTS OF KIT

Confirm that all the following parts are in the kit before beginning any installation work. A description of the parts list is as follows.

3 - 1 XKT-1498-C-EX1 Parts

PART NO. (Qty.) 420-6918 (1)
NOTE This manual
FIGURES

ONE-TOUCH BUSHING 280-5347 (12)

ONE-TOUCH COLLAR 14.3 mm (Short Type) 280-5248-14.3 (6)



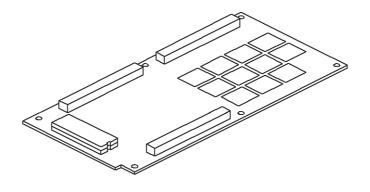
ONE-TOUCH COLLAR 20 mm (Long Type) 280-5248-20 (6)



VERSION STICKER 421-11518-D (1)

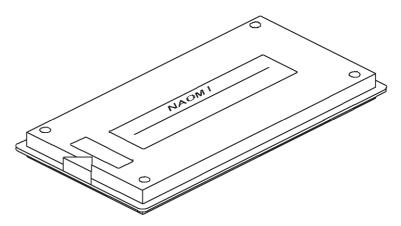
REV. D

Main Projection Unit ROM Board 840-0088B (2)



3 — 2 XKT-1499-C-EX1 Parts

Satellite ROM Board Case 840-0088C (1)



4. MODIFICATION PROCEDURE



- The modifications described in this manual must never be performed by any person who has no knowledge of the required techniques. Modifications performed by such a person may cause an accident. Modifications must be made by shop maintenance or service personnel.
- Before starting any modification work, be sure to turn the power off and disconnect the power plug from the wall outlet. Failure to do so may result in electrical shock or short circuit accidents.
- Perform the steps of assembly according to the procedure detailed in the manual. Disobeying the instructions in the manual may result in an electrical shock.
- Modifications must be made as instructed in the manual. This product is a precise machine. Mistakes made in the modification may result in electrical shock, or may cause the machine to break, or function abnormally.
- Be careful not to damage any wires. Damaged wires may cause an accident, such as electrical shock, short circuit, or fire.
- Hot fluorescent and other lamps may cause burns. Pay full attention to the lamps when performing the work.



- When attaching plastic parts, take care not to fasten the screws and nuts too tightly. Failure to observe this precaution may result in damage to these parts, and broken pieces may cause injury.
- Use a stable stool so that work can be carried out safely and securely.
 Working without a stable stool could result in a fall or injury.



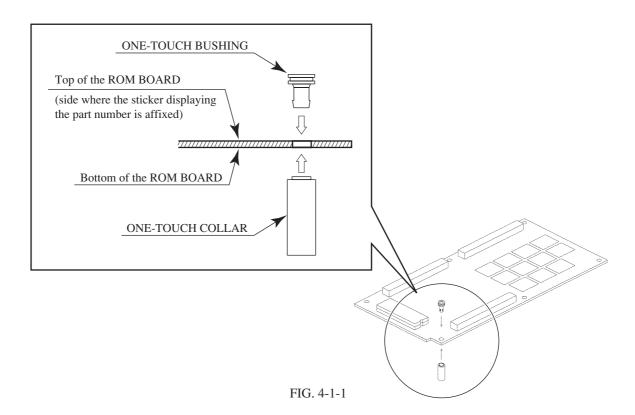
- For cabinet part names and proper handling of the cabinet, refer to the cabinet instruction manual.
- To perform the work, a screwdriver, the master key included with the cabinet, and a stool are required.
- Static electricity can damage some electronics devices on the IC board. Before handling the IC board, touch a grounded metallic surface to discharge static electricity.

4-1 EXCHANGING THE MAIN PROJECTION UNIT ROM BOARD

Exchange the two ROM boards in the shield case of the main projection unit with the 840-0088B ROM boards supplied with this kit.

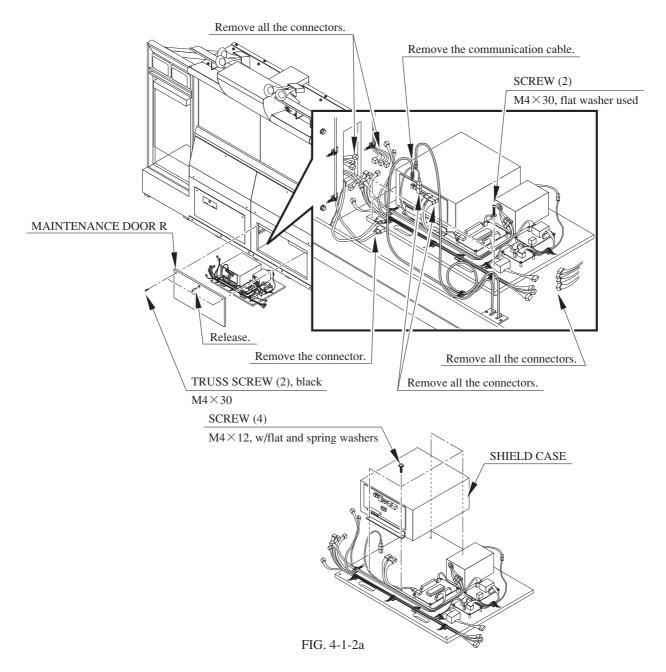
4-1-1 Installing the One-Touch Collars and the One-Touch Bushings on the ROM Board

- ① Install a 14.3 mm one-touch collar (short type) and 6 one-touch bushings to the ROM board (840-0088B) supplied with the kit. (Hereinafter "ROM Board C")
- ② Similarly, install a 20 mm one-touch collar (long type) and 6 one-touch bushings to the ROM board (840-0088B) supplied with the kit. (Hereinafter "ROM Board D")



4-1-2 Exchanging the ROM Boards

- 1 Turn power off using the main switch on the AC unit.
- 2 Remove the two M4 \times 30 truss screws to release Maintenance Door R, and remove it from main projection unit.
- ③ Disconnect the connectors connected to the filter board of the shield case.
 - NOTE: Following the modification, do not forget the location of the connected connectors, because it is necessary to return them to their original positions later.
- 4 Also, disconnect the other connectors connected to the devices (on the base) other than the shield case.
- \bigcirc Once the two M4 \times 30 screws securing the base are removed, the base can be drawn out with the shield case on it. When drawing it out, take care not to damage the cables.
- \bigcirc Remove the four M4 \times 12 screws. Then, remove the shield case from the base.



 \bigcirc Remove the four M4 \times 8 screws, and open the shield case cap.

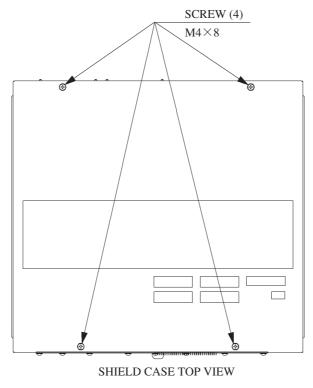
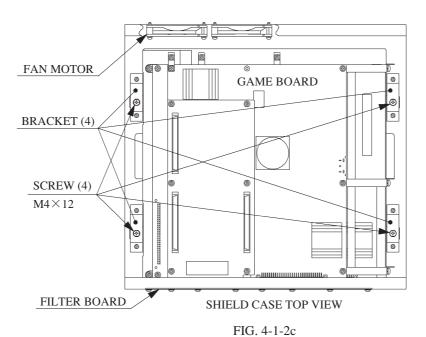
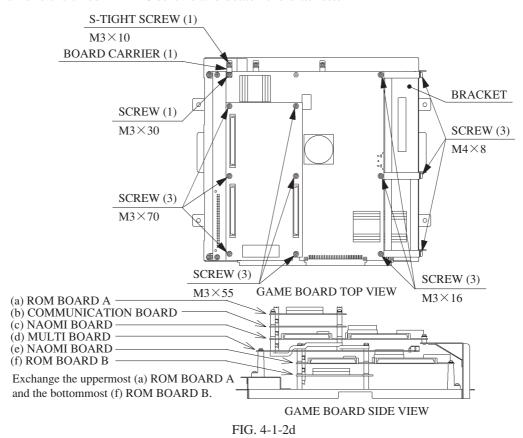


FIG. 4-1-2b

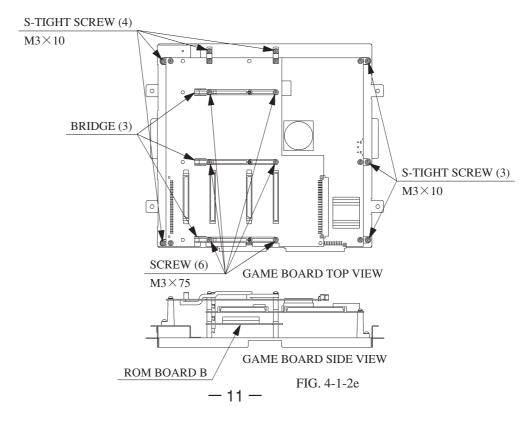
8 Remove the four M4 \times 12 screws and the four brackets, and take out the game board. Since the game board and filter board are connected by the connectors, move the game board horizontally towards the fan motor, and lift up.



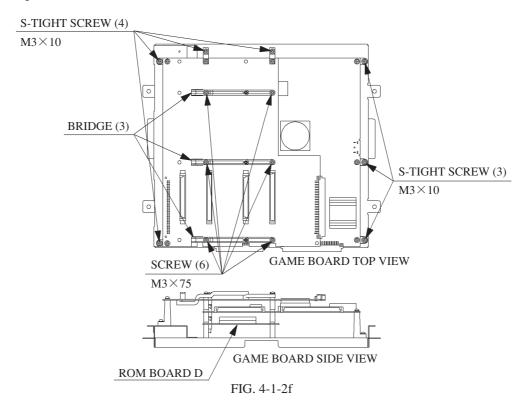
- 9 Remove the three M3 \times 55 screws and the three M3 \times 70 screws, and detach ROM board A and the communication board.
- 10 Remove the three M3 \times 16 screws, one M3 \times 30 screw, one M3 \times 10 S-TIGHT screw and one board carrier, and detach the NAOMI board.
- \bigcirc Remove the three M4 \times 8 screws and detach the brackets.



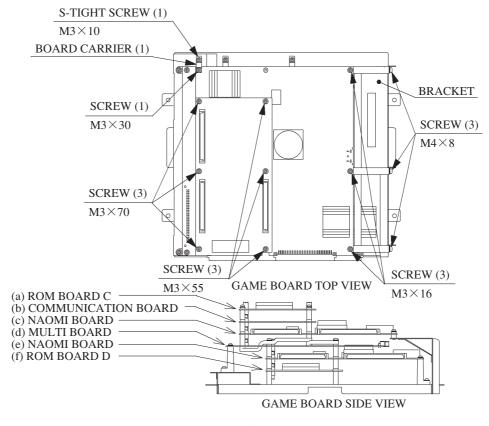
2 Remove the six M3 \times 75 screws, the seven M3 \times 10 S-TIGHT screws, and the three bridges, and detach the bottommost ROM board B.



3 Using the six M3 \times 75 screws, seven M3 \times 10 S-TIGHT screws and the three bridges removed in step 2, assemble the ROM board D, the NAOMI board, and the MULTI board.



4 Using each of the three M3 \times 55, M3 \times 70, and M3 \times 16 screws, one M3 \times 30 screw, one M3 \times 10 S-TIGHT screw, three M4 \times 8 screws, one board carrier and brackets removed in steps 9, 10, and 11, install the NAOMI board, communication board, and ROM board C.



 $\ \textcircled{5}$ Using the four M4 \times 12 screws and the four brackets removed in step $\ \textcircled{8}$, install the game board.

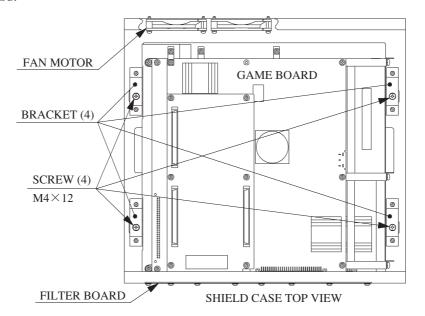


FIG. 4-1-2h

- 16 Using the four M4 \times 8 screws removed in step \bigcirc 7, install the shield case.
- ① On the shield case sticker labeled, "REV. C", affix the (421-11518-D) version sticker labeled "REV. D" supplied with the kit.

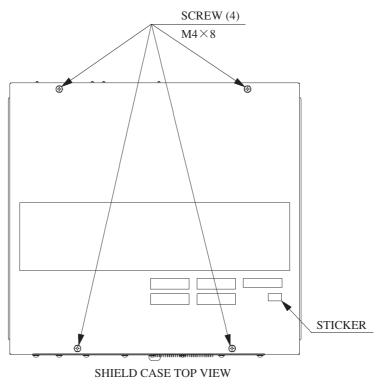


FIG. 4-1-2i

(8) By performing steps (2) through (6) in reverse order, reinstall the shield case containing the replaced ROM board into the main projection unit.

During this section, make sure not to put in the wrong connectors or forget to put in the connectors.

4-2 REPLACING THE ROM BOARD CASES OF EIGHT SATELLITES

Replace each of the satellite ROM board cases with ROM Board Cases 840-0088C, included with the kit.

- ① Turn off the power to the satellite by using the AC unit's power switch.
- \bigcirc Loosen the M4 \times 30 anti-release screw. Unlock and open the satellite's front door.
- ③ Disconnect all the connectors from the shield case's filter board.

NOTE: Do not forget the location of the connected connectors because it is necessary to return them to their original position after the modification.

- 4 Remove the four M4 \times 12 screws and then the back door.
- \bigcirc Remove the four M4 \times 16 screws. Then, remove the shield case from the base.

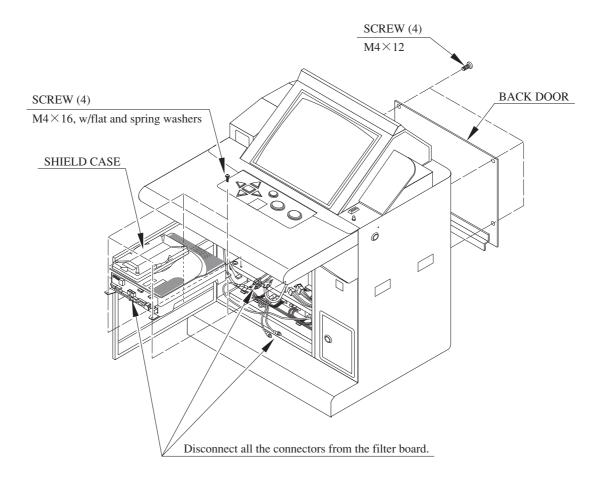
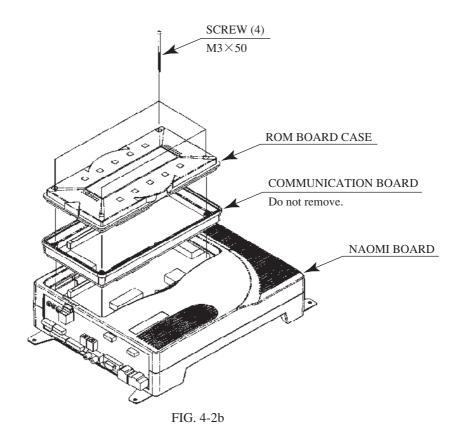


FIG. 4-2a

⑥ Remove the four M3 × 50 screws and then the ROM board case. The communication board must not be removed. If it is also removed, reinstall it to the NAOMI board.



- 8 By performing Steps 2 to 5 in reverse order, reinstall the shield case containing the replaced ROM board case in the satellite.

Do not confuse the connectors. Make sure that all the connectors are inserted correctly in place.

5. TEST MODE



When conducting the modification, all current data will be deleted and the test mode contents of the main projection unit will change.

In the service manual included with the main unit, the following contents will change.

- 5-1 GAME ASSIGNMENTS...Modified item. The race configuration used in the event can now be selected.
- 5 2 BOOKKEEPING...New addition. Course records can now be easily confirmed.
- 5-3 COURSE RECORD CLEAR...New addition. Current course records only can be easily cleared.

Select GAME TEST MODE from the System Menu screen to display the Game Test Menu screen as follows.

DERBY OWNERS CLUB WE TEST MENU

INPUT TEST
OUTPUT TEST
GAME ASSIGNMENTS
BOOKKEEPING
COURSE RECORD CLEAR
BACKUP DATA CLEAR
-> EXIT

SELECT WITH SERVICE BUTTON AND PRESS TEST BUTTON

5-1 GAME ASSIGNMENTS

(NEWLY ADDED RACE MODE, PAUSE, AND AGE LIMIT FEATURES)

Select GAME ASSIGNMENTS to display the current game settings and make changes.

```
GAME ASSIGNMENTS

NUMBER OF SATELLITES 8P
-> RACE MODE USA 3R-LOOP (2/13)
PAUSE ON
AGE LIMIT (NO USE)

EXIT

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON
```

Use the SERVICE Button to move the cursor to the desired test item. Press the TEST Button to enter the selected item.

Only the additional features are described below. (Refer to the service manual included with the main unit for further information.)

RACE MODE:

Select the race configuration to be used in the event from among the following.

When the TEST button is pressed, the system will advance to the next item. (From 13/13 it returns to 1/13.)

```
1/13: USA-6R (→ Standard setting)
2/13: USA-3R LOOP
3/13: USA-4R LOOP
4/13: USA-5R LOOP
5/13: G1-16R
6/13: G1-3R 1
7/13: G1-3R 2
8/13: G1-3R 3
9/13: G1-3R D
10/13: G1-4R 1
11/13: G1-4R 2
12/13: G1-6R 1
13/13: G1-6R 2 (→ Return to USA-6R)
```

- 1/13:The USA-6R is a standard race system, which is the same as previous systems. It features a G1 race every 6 races, and a total of 96 races in a loop. (Data is saved on the horse cards.)
- 2/13 4/13 (USA-3R, USA-4R, and USA-5R) are 3 to 5 race loops without a G1 race. (Data is saved on the horse cards.)
- 5/13: The G1-16R is a G1-only 16 race loop configuration, from the previous version.
- The 6/13-13/13 (G1-3R to G1-6R) are G1-only, 3 to 6 race loop configurations, with each race configuration as follows. (Data is not saved on the horse cards.)

< Event (Race Configuration) Table >

< Event (Race Confi	·	Distance	Course	Remarks
	·	1200 2500 2200 1800 3000	Central Northern Central Northern Central	Dirt
5 G1-16R				
	DOC 2000 GUINEAS AMERICAN DERBY DERBY OWNERS CLUB GRAND PRIX	2000 2400 2400	Northern Eastern SEGA	
	SPRINTERS STAKES WINTER STAKES STAYERS STAKES	1200 1600 3000	Northern Eastern Central	Dirt
	WINTER STAKES SUPER DIRT GRAND PRIX JAPAN CUP DIRT	1600 2000 2100	Eastern SEGA Eastern	Dirt Dirt Dirt
0.1.01.1	DOC 1000 GUINEAS AMERICAN OAKS QUEEN ELIZABETH II CUP	1600 2400 2200	Western Eastern Central	Mares Mares Mares
	WINTER STAKES AMERICAN DERBY JAPAN CUP DIRT JAPAN CUP	1600 2400 2100 2400	Eastern Eastern Eastern Eastern	Dirt Dirt
	SPRING CLASSIC AMERICAN DERBY STAYERS STAKES DERBY OWNERS CLUB GRAND PRIX	3200 2400 3000 2400	Central Eastern Central SEGA	
	SPRINTERS TROPHY DOC 2000 GUINEAS SPRING CLASSIC SPRINTERS STAKES STAYERS STAKES JAPAN CUP	1200 2000 3200 1200 3000 2400	Southern Northern Central Northern Central Eastern	
	DOC 1000 GUINEAS DOC 2000 GUINEAS AMERICAN OAKS AMERICAN DERBY QUEEN ELIZABETH II CUP DERBY OWNERS CLUB GRAND PRIX	1600 2000 2400 2400 2200 2400	Western Northern Eastern Eastern Central SEGA	Mares Mares Mares

- PAUSE: Set whether game pauses or not before the race starts.
- If it is ON, the game stops before each race starts and restarts when the attendant pushes the service button.
- If it is OFF, the race continues as is without stopping, in the same manner as conventional games.

NOTE: In USA-6R, the pause function cannot be used. For systems other than the USA-6R, the standard setting is ON.

- AGE LIMIT: Set the conditions of the horses that can take part in the races.
- For NO LIMIT (standard setting), all horses can participate without conditions. (There is no G1 prize limit, either.)
- For UNDER 10 RACES, only horses that have competed in 10 or fewer races can participate.
- For UNDER 20 RACES, only horses that have competed in 20 or fewer races can participate.

GAME ASSIGNMENTS

NUMBER OF SATELLITES 8P
RACE MODE USA G1-16R (5/13)
PAUSE OFF
-> AGE LIMIT UNDER 10 RACES
EXIT

SELECT WITH SERVICE BUTTON AND PRESS TEST BUTTON

After changing the settings, select EXIT and press the TEST Button to return to the Game Test Menu screen.

5-2 BOOKKEEPING (NEW ADDITION)

When BOOKKEEPING is selected the following 8 screens are displayed, and current course records can be checked.

Pressing the TEST Button will bring up the following screen.

BOOKKEEPING 1/8 RECORD TIME OF G1 1/2				
WINTER STAKES DOC 1000 GUINEAS DOC 2000 GUINEAS SPRING CLASSIC AMERICAN DERBY HONG KONG OAKS HONG KONG DERBY AMERICAN OAKS SUMMER GRAND PRIX SUMMER DIRT GRAND PRIX	1M 39S 0 1M 35S 23 2M 0S 14 3M 17S 33 1M 36S 86 2M 26S 67 2M 26S 67 1M 36S 86 2M 12S 4 2M 3S 23			
PRESS TEST BUTTON TO CONTINUE				

1/8: G1-1 2/8: G1-2

3/8: EASTERN CITY 4/8: WESTERN HILL 5/8: NOTHERN PARK

6/8: CENTRAL CITY

7/8: SEGA

8/8: SOUTHERN PARK

Press the TEST Button to cycle through each screen from 1/8 to 8/8.

Pressing the TEST Button while the 8/8 screen is displayed cycles back to the Game Test Menu screen.

5-3 COURSE RECORD CLEAR (NEW ADDITION)

When COURSE RECORD CLEAR is selected the following screen is displayed, and only the current course record can be cleared.

COURSE RECORD CLEAR

YES (CLEAR)
-> NO (CANCEL)

SELECT WITH SERVICE BUTTON AND PRESS TEST BUTTON

To clear data, use the SERVICE Button to move the cursor to YES (CLEAR) and then press the TEST Button.

When the data has been cleared, the message "COMPLETED" will be displayed.

Press the TEST Button again to return to the Game Test Menu screen.

Move the cursor to NO (CANCEL) and press the TEST Button to return to the Game Test Menu screen without clearing the data.

6. PRECAUTIONS DURING AND FOLLOWING MODIFICATIONS OR ADMINISTRATION

Precautions for Exchanging ROM Boards

When modifying from "DOC WE" to "DOC WE EX", be sure to conduct exchange work on both the main projection unit ROM board and ROM board cases of all satellites. It is not possible to operate both the "DOC WE" ROM board and the "DOC WE EX" ROM board case simultaneously.

Backup Data

When modifying from "DOC WE" to "DOC WE DX", the backup data for the course record, the money list rankings, and other backup data is automatically cleared.

Compatibility of Magnetic Cards

Cards used for "DOC WE" can also be used for "DOC WE EX".