

SERVICE MANUAL

SEGA



THE LOST WORLD-DELUXE TYPE



IMPORTANT!

Before using this product, read this SERVICE MANUAL carefully to understand the contents stated herein. After reading this manual, be sure to keep it available nearby the product or somewhere convenient in order to be able to refer to it whenever necessary.

Manufactured in the UK by

SEGA



MANUFACTURING DIVISION (U.K.)

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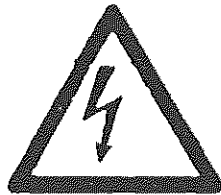
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1. BEFORE USING THIS PRODUCT

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 use of QUALIFIED SERVICE PERSONNEL ONLY. After carefully reading and sufficiently understanding the instructions should any activity be carried out on the product. Only qualified service personnel should carry out maintenance on the product.

Terms such as WARNING!, CAUTION, and IMPORTANT! Are used where an explanation is given which requires special attention, depending on the potential risk. SEGA is not responsible for injury or damage caused by use in a manner contrary to the instructions stated in this document. In order to prevent accidents warning stickers and printed instructions are applied in the places where a potentially hazardous situation relating to the product could arise. Be sure to comply with these warnings.



WARNING!

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



CAUTION!

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.



IMPORTANT!

This is cautionary information which should be complied with when handling the product. Indicates that mishandling the product by disregarding this will cause a potentially hazardous situation which may not result in personal injury but could damage the product.

Be sure to turn off the power and disconnect from the mains supply before working on the machine.

Ensure that the correct fuse(s) is fitted to the machine.

Details of the correct fusing of the machine are enclosed in the Service Manual.

Ensure that only qualified Service Engineers perform any maintenance work on the machine.

Specification changes, removal of equipment, conversion and/or addition, not designated by SEGA are not permitted and will invalidate this product's CE conformity.

The parts of the product also include any warning labels or safety covers for personal protection etc. A potential hazard will be created if the machine is operated while any parts have been removed. Should any doors, lids or protective covers be damaged or lost, do not operate the product. SEGA is not liable in any way whatsoever for any injury and/or damage caused by specification changes not designated by SEGA.

Before installing the product, check for the Electrical Specification Sticker, SEGA products have a sticker on which the electrical specifications are detailed. Ensure that the product is compatible with the power supply voltage and frequency requirements of the location in which the machine is to be installed.

Install and operate the machine only in places where appropriate lighting is available, allowing warning stickers to be clearly read.

To ensure maximum safety for both customers and operators, stickers and printed instructions describing potentially hazardous situations are applied to places where accidents could occur. Ensure that where the product is operated it has sufficient lighting to allow any warnings to be read. If any sticker or printed warning is removed or defaced, do not operate the machine, until it has been replaced by an identical item.

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

Some of the monitor (TV) parts are subject to high tension voltage. Even after turning off the power some components are still occasionally subject to high tension voltage. Monitor repair and replacement should be performed by qualified service engineers only.

In cases where commercially available monitors and printers are used only the contents relating to this product are stated in this manual. Some commercially available equipment has functions and reactions not stated in this manual. Read this manual in conjunction with the specific manual of such equipment.

Descriptions contained herein may be subject to change without prior notification.

The contents described herein are fully prepared with due care. However, should any question arise or errors be found please contact SEGA.

1.1. INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION



IMPORTANT!

- Inspection should only be carried out by QUALIFIED SERVICE PERSONNEL.

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

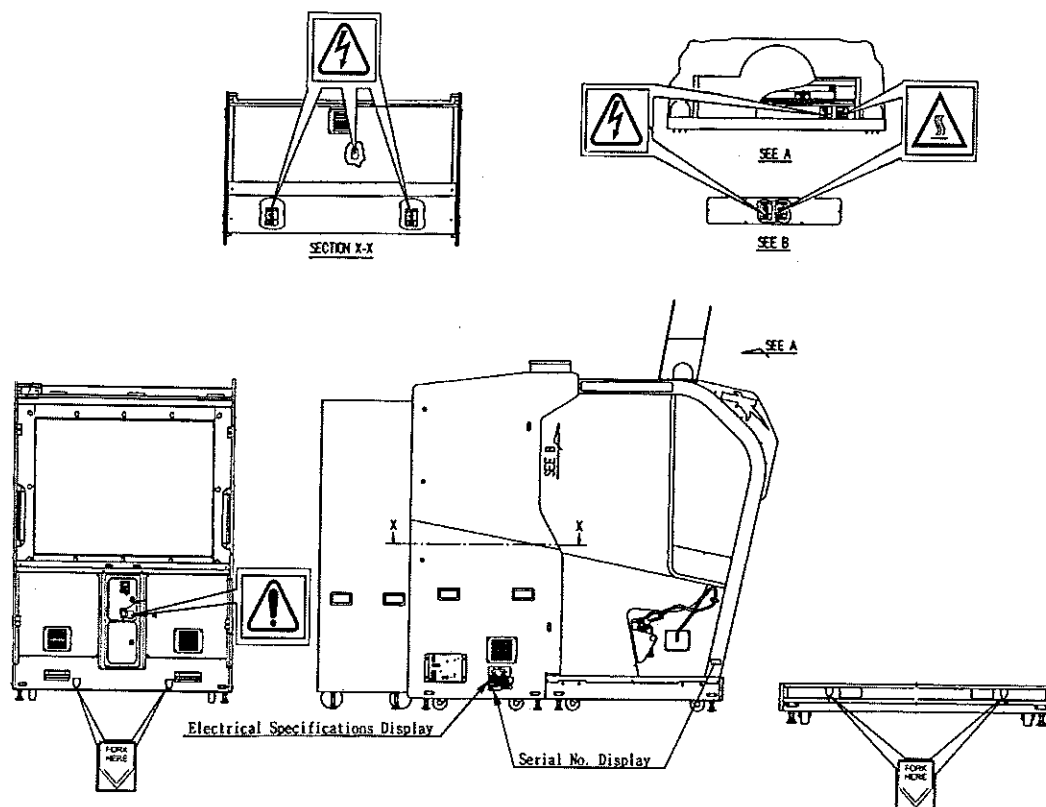
- Are there any dented parts or defects (cuts, etc.) on the external surfaces of the product?
- Are castors and leg adjusters present and undamaged?
- Do the power supply voltage and frequency requirements meet with the local supply?
- Are all wiring connectors correctly and securely connected? Do not insert connectors forcibly.
- Are all IC's of each IC BD firmly inserted?
- Does the power cord have any cuts or dents?
- Do fuses meet the specified rating?
- Are such units such 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 and/or tools?

CONCERNING THE STICKER DISPLAY

SEGA product has stickers describing the product manufacture number (Serial Number) and electrical specification. If you require service assistance you will require the Serial Number. Identical machines may have different parts fitted internally. Only by quoting the Serial Number will the correct parts be identified.

CONCERNING WARNING STICKERS

SEGA product has warning displays on stickers, labels or printed instructions adhered/attached to or incorporated in the places where hazardous situations can arise. The warning displays are intended for the accident prevention of customers and service personnel.



SPECIFICATIONS

Installation Space (cm):	250x320cm	
Height (cm):	223cm	
Weight (Kg):	398Kg	
Electrical:	Rated Voltage (V.AC):	230
	Rated Current (A):	4.5
	Rated Frequency(Hz):	50

Note: Descriptions in this manual are subject to change without prior notice.

2. INTRODUCTION TO THIS SERVICE MANUAL

SEGA ENTERPRISES LTD., supported by its experience in electronic high technology of VLSI's, microprocessors etc. and with a wealth of experience, have for more than 30 years been supplying various innovative and popular games to the world market. This Service Manual is intended to provide detailed descriptions together with all the necessary information covering the general operation of electronic assemblies, electromechanicals, servicing controls, spare parts, etc. as regards Lost World Deluxe, a new SEGA product. This manual is intended for those who have knowledge of electricity and technical expertise especially in IC's, CRT's, microprocessors etc.. Carefully read this manual to acquire sufficient knowledge before working on the machine. Should there be any malfunction, non technical personnel should under no circumstances touch the interior systems. Should such a situation arise contact the nearest branch listed below or our head office.

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3. INSTALLATION INSTRUCTIONS

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.

The game must NOT be installed under the following conditions:

- Outside, the game is designed for indoor use only.
- In areas directly exposed to sunlight, high humidity, dust, excessive heat or extreme cold.
- In locations that would present an obstacle in the case of an emergency i.e. near fire equipment or emergency exits.
- On unstable surfaces or surfaces subject to vibration, the game must be installed on a solid, horizontal surface only.
- Where liquids, other than routine cleaning, may come into contact with the game.

Important:

- This machine should only be installed by Qualified Service Personnel.
- Ensure that the line supply voltage matches that of the transformer input tapping. For more information see the section in this manual dealing with changing the transformer voltage.
- Please note that the input voltage of the machine has been set during manufacture to 230V AC
- Be sure to switch the supply power OFF and remove the mains supply plug from the machine before any work is carried out on the machine.
- Do not attempt to repair the PCB's (Printed Circuit Boards) yourself. This will void the warranty. The PCB's contain static sensitive devices that could be damaged.
- Always return a faulty part to your distributor with adequate packaging and protection.
- When removing the plug from the mains always grasp the plug not the cable.
- Do not use a fuse that does not meet the specified rating.
- Make sure all connections are secure before applying power.

Ensure that the mains lead is not damaged. If the mains lead is damaged in any way there could be a danger of electric shock or a fire hazard.

Ensure that the power supply is fitted with circuit protection. Using the power supply without circuit protection is a fire hazard.

4. SAFETY WARNINGS



BETRIEBSANLEITUNG FÜR VIDEO-GAMES

Diese Betriebsanleitung gehört zum Gerät und darf nicht entfernt werden !!



BETJENINGSVEJLEDNING FOR VIDEO-GAMES

Denne betjeningsvejledning hører til apparatet og må ikke fjernes !!



INSTRUCCIONES DE SERVICIO PARA JUEGOS DE VÍDEO

¡¡Estas instrucciones de servicio son parte del aparato y no deben perderse!!



INSTRUCTIONS DE SERVICE POUR JEUX VIDEO

Ces instructions de service font partie intégrante de l'appareil et doivent toujours l'accompagner !!



VIDEOPELIAUTOMAATTIEN KÄYTTÖOHJEET

Nämä käyttöohjeet kuuluvat laitteeseen eikä niitä saa poistaa!!



ISTRUZIONI D'USO PER VIDEOGAMES

Questo manuale di istruzioni fa parte della macchina e non deve essere rimosso da essa!!



BRUKERVEILEDNING FOR VIDEO GAMES

Denne brukerveiledningen hører til maskinen og må ikke fjernes !!



GEBRUIKSAANWIJZING VOOR VIDEOGAMES

Deze gebruiksaanwijzing hoort bij het toestel en mag niet verwijderd worden!!



INSTRUÇÕES DE SERVIÇO PARA OS JOGOS DE VÍDEO

Estas instruções fazem parte integral do aparelho e dele não podem ser retiradas!!



BRUKSANVISNING FÖR TV-SPEL

Denna bruksanvisning hör till apparaten och får inte avlägsnas!



ΟΔΗΓΙΕΣ ΛΕΙΤΟΥΡΓΙΑΣ ΓΙΑ VIDEO-GAMES

Οι παρούσες οδηγίες λειτουργίας ανήκουν στη συσκευή και δεν επιτρέπεται να απομακρυνθούν!!

INHALTSVERZEICHNIS

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1. Vorwort

Diese Betriebsanleitung gilt für Theken-, Stand- oder Sitz-Video-Spielautomaten. Ersatzteilnummern, Serviceanweisungen und Einstellungen siehe separat beiliegendes Original-Handbuch. Im Zweifelsfall insbesondere auch bei Verständnisschwierigkeiten sprachlicher oder sonstiger Art mit dem Original-Handbuch unbedingt die fachliche Hilfe Ihres Händlers in Anspruch nehmen!

Änderungen in diesem Handbuch durch Neuauflagen vorbehalten.

EC-Konformitätserklärung

Dieses Gerät entspricht den europäischen Sicherheitsrichtlinien und Standards. Es fällt nicht unter die Maschinenrichtlinie.

2. Sicherheitshinweise

2.1. Begriffsdefinition



WARNUNG !! Nichtbeachtung kann zu Personenschäden oder tödlichen Verletzungen führen.

2.2. Allgemeine Erläuterungen

Eingriffe in das Gerät nur durch Elektrofachkraft, sonst besteht Verletzungsgefahr sowie Gefahr einer dauerhaften Beschädigung. Die Folge wären teure Reparaturen, Austausch von Systemkomponenten, Erlöschen der Gewährleistungsansprüche.

Installation und Reparaturarbeiten nur durch Elektrofachkraft, Servicearbeiten nur durch eingewiesenes Personal. Der Eigentümer dieses Gerätes muß sicherstellen, daß alle Personen die mit der Aufstellung, Inbetriebnahme, Wartung, Reparatur und Instandhaltung des Gerätes zu tun haben, entsprechend qualifiziert sind und vor Arbeitsbeginn unbedingt die nötigen Sicherheitshinweise und dazugehörigen Kapitel des Handbuches gelesen und verstanden haben.

Betriebsanleitung unbedingt an sicherer Stelle für den späteren Gebrauch aufbewahren !

Bei unsachgemäßer Handhabung, bestimmungswidriger Verwendung und eigenmächtigen Umbauten wird keinerlei Haftung für Unfälle, Verletzungen und Beschädigungen übernommen! Eigenmächtige Umbauten und Veränderungen des Automaten sind aus Sicherheitsgründen ausdrücklich verboten.

Bei weiteren Fragen oder im Zweifelsfall Kontakt zu Ihrem Händler aufnehmen.

Die Sicherheitshinweise sind strikt einzuhalten ! Es geht um Ihre Sicherheit.

2.3. Grundsätzliche Sicherheitshinweise

Gerät darf nur betrieben werden, wenn Aufstellung vorschriftsmäßig und in Übereinstimmung mit dem Handbuch erfolgte.

Betriebsspannung und -frequenz des Gerätes muß mit der Netzspannung und -frequenz übereinstimmen. Elektrische Daten siehe Typenschild an der Geräterückseite. Gerät nur an ordnungsgemäß installierter, abgesicherter und geerdeter Netzsteckdose anschließen.

Aufstellung und Inbetriebnahme nur innerhalb geschlossener, trockener Räume! Gerät darf nur gewerblich genutzt werden!

Beschädigte oder fehlende Warnhinweise am Gerät sind sofort zu ersetzen.



WARNUNG !! Implosionsgefahr der Bildröhre und Neonröhren

Aufstellung nur auf stabilem, tragfähigem Untergrund, ggf. befestigen. Umstürzendes Gerät kann die Implosion der Bild- oder Neonröhren zur Folge haben. Umherfliegende Glassplitter können zu schwersten Verletzungen führen.



WARNUNG !! Gefahr durch elektrischen Schlag

Vor Öffnen des Gerätes IMMER den Netzstecker aus der Steckdose ziehen! Netzstecker niemals mit nassen Händen berühren. Geräte-Rückwand darf nur von Elektrofachkraft geöffnet werden. Lebensgefährliche, berührbare Hochspannungen im Inneren des Gerätes, die auch nach Ziehen des Netzsteckers anstehen. Nichtbeachtung kann zu Tod oder schweren Verletzungen führen.



WARNUNG !! Brandgefahr

Sicherungen nur gegen vorgeschriebene Sicherungen ersetzen. Lüftungsschlitze des Spielautomaten niemals blockieren. Umgebungstemperatur darf 40°C nicht überschreiten. Netzstromkreis und Zuleitungen nicht überlasten.

Bei Defekt sofort den Netzstecker aus der Steckdose ziehen und Reparatur nur von Elektrofachkraft durchführen lassen. Nur am Netzstecker, nicht am Kabel ziehen.

Steckverbindungen im Inneren des Gerätes, im Fall einer Fehlersuche, niemals unter Spannung abziehen oder aufstecken. Reparatur grundsätzlich im spannungslosen Zustand!

Nur Original-Ersatzteile verwenden.

Nichtbefolgung der oben genannten Punkte kann lebensgefährlich sein !

3. Geräteüberprüfung

3.1. Kontrolle nach Anlieferung

Gerät direkt bei der Anlieferung auf Transportschäden untersuchen. Sichtbare Beschädigungen auf den Speditionspapieren des anliefernden Spediteurs vermerken oder unmittelbar nach Erhalt der Ware melden, um Ihre Ansprüche zu sichern.

Gerät öffnen und sämtliche Baugruppen und Steckverbinder auf ordnungsgemäßen Sitz prüfen.

Beigepacktes Montagematerial aus dem Geräteinneren oder der Kassenbox entnehmen.

Entspricht der mitgelieferte Netzstecker nicht der landesüblich vorgeschriebenen Norm, passenden Netzstecker an das Netzkabel anschließen.



WARNUNG !! Gefahr durch elektrischen Schlag

Anschluß des Netzsteckers nur durch Elektrofachkraft. Bei Nichtbeachtung gefährden Sie sich und andere!

Falls vorhanden, separates Kopfteil oder Sitzeinheit der Verpackung entnehmen. Montage dieser Teile erst am Aufstellplatz, sonst Beschädigung beim Transport.

4. Transport, Aufstellung und Inbetriebnahme

4.1. Wahl des Aufstellortes und Transport

Aufstellung und Inbetriebnahme nur innerhalb geschlossener, trockener Räume! Aufstellung

im Freien oder in feuchten / nassen Räumen ist strikt untersagt. Eindringende Feuchtigkeit kann zu Unfällen durch elektrischen Schlag oder Fehlern innerhalb des Gerätes führen.

Transportwege und -möglichkeiten am Aufstellplatz vor Transport prüfen. Bei Geräten mit Transportrollen besondere Vorsicht bei abschüssigem Boden.

Gerät nur mit einer ausreichenden Anzahl Personen bewegen. Vorsicht bei tiefer hängenden Beleuchtungskörpern.

Gerät auf ebenem, tragfähigem Untergrund aufstellen. Lüftungsöffnungen auf der Geräterückseite nicht behindern. Ausreichenden Wandabstand (min. 10 cm) einhalten.

Gerät nicht plazieren in der Nähe von:

- a) lebensrettenden Einrichtungen, wie z. B.:
 - Notausgängen,
 - Feuerlöschern etc.
- b) Behältern mit leicht entzündlichen Stoffen, Wasser oder Chemikalien,
- c) Wärmequellen, wie z. B.:
 - Heizkörpern
 - Öffnungen von Klimaanlage,
 - Schaufenstern mit direkter Sonneneinstrahlung etc.

Gerät keiner Belastung aussetzen, die zu Funktionstörung oder Defekt führt, wie z. B.:

- starker Vibration,
- extremer Staub- oder Schmutzbelastung,
- direkter Sonneneinstrahlung oder Hitze,
- Regen oder Feuchtigkeit,
- starker Magnetismus oder Funkwellen.

Direkt am Geräteaufstellplatz muß eine ordnungsgemäß installierte, geerdete, abgesicherte Netzsteckdose vorhanden sein.

Den Stromkreis, an dem das Gerät angeschlossen wird, nicht überlasten.

Netzkabel derart verlegen, daß niemand darüber stolpert. Nichtbeachtung kann zu schweren Verletzungen oder zur Beschädigung des Netzkabels führen.

Netzkabel nicht scharf knicken oder schwere Gegenstände darauf stellen, sonst Beschädigung der Isolation, mögliche Folge, berührbare Netzspannung, Kurzschluß und dadurch bedingte Feuer.

4.2. Aufstellung und Montage des Gerätes

Gerät plazieren. Netzstecker noch nicht einstecken, erst nach abgeschlossener Aufstellung!



WARNUNG !! Implosionsgefahr der Bildröhre und Neonröhren

Unbedingt die Sicherheitshinweise in Kapitel 2.3 beachten.

4.2.1. Video-Thekengeräte werden komplett montiert geliefert. Keine weiteren Montagen notwendig. Für sicheren Standplatz sorgen!

4.2.2. Montagehinweise Video-Standgerät und Video-Sitzgeräte

Falls vorhanden, separate Zubehörteile sicher mit den im Beipack befindlichen Schrauben am Gerät befestigen. Kopfteil während der Montage von mindestens 2 Helfern sichern lassen, Steighilfe, z. B. Leiter oder Tritt benutzen. Falls vorhanden, Steckverbindungen der Zubehörteile aufstecken.

Schutzleiterverbindungen sicher herstellen.

Montagehinweise siehe Original-Handbuch.

Im Zweifelsfall unbedingt die fachliche Hilfe Ihres Händlers in Anspruch nehmen!

4.2.2.1. Video-Standgerät, mögliche Lieferformen:

- a) komplett montiert und / oder
- b) mit separat beige-packtem Kopfteil (beleuchtet oder unbeleuchtet) und / oder
- c) mit separat beige-packter Bedienungseinheit

4.2.2.2. Video-Sitzgerät, mögliche Lieferformen:

- a-c) wie Video-Standgerät und / oder zusätzlich
- d) mit separat beige-packter Sitzeinheit

4.3. Inbetriebnahme

Falls vorhanden, mit den höhenverstellbaren Fußschrauben das Gerät genau nivellieren. Das Gerät muß absolut fest auf dem Untergrund stehen. Bei glatten Fußböden Gummikappen unter den Gerätefüßen benutzen.

Alle Baugruppen und Steckverbinder auf festen Sitz prüfen. Besonders Schutzleiterverbindungen aller berührbaren Metallteile von Elektrofachkraft auf festen Sitz prüfen lassen!

Hauptschalter ausschalten. Netzstecker erst nach Sicherstellung aller vorgenannter Punkte einstecken.

Hauptschalter einschalten. Bei unnormalem Geräusch, Rauch oder ungewöhnlichem Geruch nach dem Einschalten, sofort den Netzstecker aus der Steckdose zu ziehen und Elektrofachkraft zu Rate ziehen. Im Zweifelsfall unbedingt Ihren Händler kontaktieren.



WARNUNG !! Brandgefahr

Auf keinen Fall das Gerät in diesem Zustand weiter betreiben.

4.4. Einstellungen

Programm- bzw. modellbedingte Einstellungen dem beiliegendem Original-Handbuch entnehmen.



WARNUNG !! Gefahr durch elektrischen Schlag

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

Im Zweifelsfall unbedingt die fachliche Hilfe Ihres Händlers in Anspruch nehmen!

5. Inspektion, Wartung und Pflege

5.1. Allgemeine Hinweise



WARNUNG !! Gefahr durch elektrischen Schlag

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

Zustand des Netzkabels regelmäßig prüfen. Bei beschädigtem Kabel oder Netzstecker, Gerät sofort außer Betrieb nehmen und durch Elektrofachkraft reparieren lassen.

Unbedingt die Warnhinweise auf Vorhandensein und Lesbarkeit überprüfen, ggf. ersetzen (siehe Kapitel 8).

5.2. Wartung

Das Gerät selbst ist wartungsfrei.

5.3. Reinigen des Gehäuses und des äußeren Bildschirms

1. Gerät ausschalten und Netzstecker ziehen!
2. Gehäuse und äußeren Bildschirm mit weichem, feuchtem (nicht nassem) Tuch und milden Reinigungsmittel reinigen (keine Lösungsmittel-, säure- oder scheuermittelhaltigen Reiniger verwenden).

6. Service

6.1. Allgemeine Hinweise



WARNUNG !! Gefahr durch elektrischen Schlag

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

Bei Defekt sofort den Netzstecker aus der Steckdose ziehen und Reparatur nur von Elektrofachkraft durchführen lassen. Servicehinweise siehe Original-Handbuch.

Im Zweifelsfall unbedingt die fachliche Hilfe Ihres Händlers in Anspruch nehmen!

6.2. Austausch defekter Beleuchtungskörper

1. Gerät ausschalten und Netzstecker ziehen!
2. Vorsicht, Beleuchtungskörper kann heiß sein!
3. Beleuchtungskörper nur durch vorgeschriebene Teile austauschen. Servicehinweise siehe Original-Handbuch.

7. Ausserbetriebnahme

7.1. Allgemeine Hinweise



WARNUNG !! Gefahr durch elektrischen Schlag

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

7.2. Demontage

Netzstecker ziehen. Alle im Kapitel 4.2. beschriebenen Zubehörteile in umgekehrter Reihenfolge demontieren. Kopfteil während der Demontage von min. 2 Helfern sichern lassen.

7.3. Umstellung

Umtransport und Wiederinbetriebnahme wie im Kapitel 4 beschrieben durchführen.

7.4. Entsorgung

Durch zugelassenes Fachunternehmen entsorgen lassen.

8. Warnhinweise

Warnhinweise, in Text oder Bild, als Aufkleber, Aufdruck und / oder in Form dieser Betriebsanleitung unterliegen natürlichem Verschleiß. Der Betreiber trägt die Verantwortung, daß sie vorhanden und stets lesbar sind.

Beschädigte oder fehlende Warnhinweise sind sofort zu ersetzen. Kontaktieren Sie im Bedarfsfall Ihren Händler.

Betriebsanleitung unbedingt an sicherer Stelle für den späteren Gebrauch aufbewahren !

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1. Forord

Denne betjeningsvejledning gælder for video-spilleautomater som bordmodel, eller modeller til stående eller siddende betjening. Reservedelsnumre, servicehenvisninger og indstillinger, se den separat vedlagte originalhåndbog. I tvivlstilfælde især ved forståelsesvanskeligheder af sproglig eller anden art vedrørende originalhåndbogen kontakt ubetinget forhandleren for at opnå faglig hjælp!

Med forbehold mod ændringer i denne håndbog ved nycplag.

EC-konformitetserklæring

Dette apparat overholder de europæiske sikkerhedsretningslinier og standarder. Det falder ikke ind under retningslinier for maskiner.

2. Sikkerhedshenvisninger

2.1. Begrebsdefinition



ADVARSEL !! Ignorering kan føre til personskader eller livsfarlige kvæstelser.

2.2. Generelle bestemmelser

Indgrib i apparatet må kun foretages af elektrofagfolk, ellers består der fare for kvæstelser samt fare for blivende skader. Følgen heraf er dyre reparationer, udskiftning af systemkomponenter, tab af garantirettigheder.

Installation og reparationsarbejder må kun foretages af elektrofagfolk, servicearbejder kun af instrueret personale. Ejeren af dette apparat skal sørge for, at alle personer, der er beskæftiget med opstilling, idrifttagning, vedligeholdelse, reparation og service, er tilsvarende kvalificeret og at de før arbejdets påbegyndelse ubetinget har læst og forstået de nødvendige sikkerhedshenvisninger og dertil hørende kapitler i håndbogen.

Betjeningsvejledningen skal ubetinget opbevares på et sikkert sted for senere benyttelse!

Ved usagmæssig betjening, ikke formålsbestemt anvendelse og egenmægtige ombygninger overtages ingen garanti for uheld, tilskadekomst og beskadigelser! Egenmægtige ombygninger og ændringer af automaten er af sikkerhedsmæssige grunde udtrykkeligt forbudt.

Ved yderligere spørgsmål eller i tvivlstilfælde optag kontakt med Deres forhandler.

Sikkerhedshenvisningerne skal ubetinget overholdes! Det gælder Deres sikkerhed.

2.3. Principielle sikkerhedshenvisninger

Apparatet må kun benyttes, hvis opstillingen er udført forskriftsmæssigt og i overensstemmelse med håndbogen.

Driftsspænding og -frekvens for apparatet skal være i overensstemmelse med den lokale netspænding og -frekvens. Vedrørende elektriske data se typeskiltet på apparatets bagside. Apparatet må kun tilsluttes til en forskriftsmæssig installeret, afsikret og jordforbundet netstikdåse.

Opstilling og idrifttagning er kun tilladt i lukkede, tørre lokaler! Apparatet må kun anvendes erhvervsmæssigt!

Beskadigede eller manglende advarsels-henvisninger på apparatet skal omgående erstattes med nye.



ADVARSEL !! Implosionsfare for billedrør og neonrør

Opstilling må kun foretages på et stabilt, bæredygtigt underlag, i givet fald forstærkes dette. Hvis apparatet vælter kan dette have implosion af billed- og neonrør til følge. Omkringflyvende glassplinter kan medføre de alvorligste kvæstelser



ADVARSEL !! Fare for elektriske stød

Før åbning af apparatet skal netstikket ALTID trækkes ud af stikdåsen! Berør aldrig netstikket med våde hænder. Apparatets bagvæg må kun åbnes af elektrofagfolk. Livsfarlige, berørbare højspændinger inde i apparatet, der også er tilstede efter af netstikket er trukket. Ignorering kan medføre død eller svære kvæstelser.



ADVARSEL !! Brandfare

Sikringer må kun udskiftes med foreskrevne sikringer. Udluftningsslidser på spilleautomaten må aldrig blokeres. Omgivelsestemperaturen må ikke overskride 40°C. Netinstallation og tilledninger må ikke overbelastes.

Ved en defekt trækkes netstikket omgående ud af stikdåsen og en reparation må kun udføres af elektrofagfolk. Træk kun i netstikket, ikke i ledningen.

Stikforbindelser inde i apparatet må, ved en eventuel fejlsøgning, aldrig skilles ad eller forbindes under spænding. Reparationer må kun foretages i spændingsløs tilstand!

Anvend kun originale reservedele.

Ignorering af de ovenfor nævnte punkter kan være livsfarligt !

3. Apparatcheck

3.1. Kontrol ved levering

Apparatet undersøges omgående for transportskader ved levering. For at sikre Deres erstatningskrav, skal synlige beskadigelser noteres på speditionspapirerne fra speditøren eller meldes umiddelbart efter modtagelse af varen.

Apparatet åbnes og samtlige monteringsenheder og stikforbindelser kontrolleres for forskriftsmæssig og korrekt montering.

Vedlagte monteringsmateriale tages ud af apparatet eller kasseboksen.

Svarer det leverede netstik ikke til den lokalt foreskrevne norm, monteres et passende netstik på netledningen.



ADVARSEL !! Fare for elektriske stød

Tilslutning af netstikket må kun foretages af elektrofagfolk. Ved ignorering består fare for Dem og andre!

Hvis forhåndenværende, tages den separate overdel eller siddeenhed ud af emballagen. For at undgå transportskader, foretages montering af disse dele først på opstillingsstedet.

4. Transport, opstilling og idrifttagning

4.1. Valg af opstillingssted og transport

Opstilling og idrifttagning kun i lukkede, tørre lokaler! Opstilling i det fri eller i fugtige/våde rum er strengt forbudt. Indtrængende fugtighed kan føre til uheld gennem elektriske stød

eller fejl i apparatets indre. Undgå direkte sollys.

Transportveje og -muligheder på opstillingsstedet kontrolleres før transporten. Ved apparater med transportruller udvises særlig forsigtighed ved skrånende gulve.

Apparatet må kun bevæges med et tilstrækkeligt antal personer. Pas på lavthængende belysning.

Apparatet opstilles på en jævn, bæredygtig undergrund. Udluftningsåbningerne på bagsiden af apparatet må ikke tildækkes. Tilstrækkelig vægafstand (min. 10 cm.) skal overholdes.

Apparatet må ikke placeres i nærheden af:

- a) livsreddende indretninger, som f.eks.
 - nødudgange,
 - ildslukkere etc.
- b) beholdere med letantændelige stoffer, vand eller kemikalier.
- c) varmekilder, som f.eks.
 - radiatorer
 - åbninger fra klimaanlæg,
 - udstillingsvinduer med direkte sollys etc.

Apparatet må ikke udsættes for belastninger, der fører til funktionsforstyrrelser eller defekter som f.eks.

- stærk vibration,
- ekstrem støv- eller smudsbelastning,
- direkte sollys eller varme,
- regn eller fugtighed,
- stærke magnetfelter eller radiobølger.

Direkte på opstillingsstedet for apparatet skal der findes en korrekt installeret, jordforbundet, afsikret netstikdåse.

Netinstallationen, til hvilket apparatet er tilsluttet, må ikke overbelastes.

Netledningen forlægges således, at der ikke opstår snubelfare. Ignorering kan føre til alvorlige kvæstelser eller til beskadigelse af netledningen.

Undgå skarpe knæk på netledningen og anbring ikke denne under tunge genstande, da der ellers er fare for beskadigelse af isolationen. Mulige følger er fritliggende netspænding, kortslutning og deraf betinget ildebrand.

4.2. Opstilling og montering

Apparatet placeres på opstillingsstedet. Netstikket må først anbringes i netstikdåsen efter afsluttet opstilling!



ADVARSEL !! Implosionsfare for billedrør og neonrør

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.3.

4.2.1. Videoapparat, bordmodeller leveres komplet monteret. Ingen yderligere montering nødvendig. Sørg for en sikker placering!

4.2.2. Monteringshenvisninger for videoapparat til stående og siddende betjening

Hvis forhåndenværende, befæstiges separate tilbehørsdele sikkert på apparatet med de vedlagte skruer. Overdelen sikres under monteringen af mindst 2 hjælpere, benyt evt. stige eller taburet. Hvis forhåndenværende, tilsluttes stikforbindelserne på tilbehørsdelene.

Stelforbindelserne laves omhyggeligt.

Monteringshenvisninger, se originalhåndbogen.

I tvivlstilfælde opsøges ubetinget Deres forhandler for at opnå faglig hjælp!

4.2.2.1. Videoapparat til stående betjening, mulige leveringsformer:

- a) komplet monteret og/eller
- b) med separat vedlagt overdelt (belyst eller ubelyst) og/eller
- c) med separat vedlagt betjeningsenhed

4.2.2.2. Videoapparat til siddende betjening, mulige leveringsformer:

- a-c) som videoapparat til stående betjening og/eller yderligere
- d) med separat vedlagt siddeenhed.

4.3. Idrifttagning

Hvis forhåndenværende, nivelleres apparatet nøjagtigt med de højdejusterbare apparatfødder. Apparatet skal stå absolut fast på underlaget. Ved glatte gulve benyttes gummikapper på apparatfødderne.

Alle monteringsenheder og stikforbindelser kontrolleres for korrekt samling. Især skal alle stelforbindelser til alle berørbare metaldele kontrolleres af en elektrofagmand for korrekt forbindelse!

Hovedafbryderen udkobles. Netstikket stikkes først i efter afslutning af alle forudgående punkter.

Hovedafbryderen indkobles. Ved unormal støj, røg eller usædvanlig lugt efter indkoblingen, trækkes netstikket omgående ud af stikdåsen og en elektrofagmand spørges til råds. I tvivlstilfælde kontakt ubetinget Deres forhandler.



ADVARSEL !! Brandfare

Det defekte apparat må under ingen omstændigheder benyttes i denne tilstand.

4.4. Indstillinger

Program - hhv. modelbetingede indstillinger findes i den vedlagte originalhåndbog.



ADVARSEL !! Fare for elektriske stød

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

I tvivlstilfælde opsøges ubetinget Deres forhandler for at opnå faglig hjælp!

5. Inspektion, vedligeholdelse og pleje

5.1. Generelle henvisninger



ADVARSEL !! Fare for elektriske stød

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

Netledningens tilstand kontrolleres med jævne mellemrum. Er ledningen eller netstikket beskadiget skal apparatet omgående tages ud af drift og repareres af en elektrofagmand.

Kontroller ubetinget om advarselshenvisningerne er anbragt på apparatet og om de er læsbare, hvis ikke skal de udskiftes (se kapitel 8).

5.2. Vedligeholdelse

Apparatet er vedligeholdelsesfrit.

5.3. Rengøring af kabinet og ydre billedskærm

1. Apparatet slukkes og netstikket trækkes ud!
2. Kabinettet og den ydre billedskærm rengøres med en blød, fugtig (ikke våd) klud og et mildt rensmiddel (anvend ikke opløsningsmiddel-, syre- eller skuremiddelholdige rensmidler).

6. Service

6.1. Generelle henvisninger



ADVARSEL !! Fare for elektriske stød

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

Ved en defekt trækkes netstikket omgående ud af stikdåsen og en påfølgende reparation må kun udføres af en elektrofagmand. Vedrørende servicehenvisninger, se originalhåndbogen.

I tvivlstilfælde opsøges ubetinget Deres forhandler for at opnå faglig hjælp!

6.2. Udskiftning af defekte belysningselementer

1. Sluk for apparatet og træk netstikket ud!
2. Pas på, belysningselementerne kan være varme!
3. Udskift kun belysningselementer med foreskrevne dele. Vedrørende servicehenvisninger, se originalhåndbogen.

7. Demontering

7.1. Generelle henvisninger



ADVARSEL !! Fare for elektriske stød

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

7.2. Demontering

Netstikket trækkes ud. Alle i kapitel 4.2 beskrevne tilbehørsdele demonteres i omvendt rækkefølge. Overdelen sikres af min. 2 hjælpere under demonteringen.

7.3. Genopstilling

Forny transport, opstilling og idrifttagning gennemføres som beskrevet i kapitel 4.

7.4. Destruering

Destruering må kun gennemføres af et autoriseret firma.

8. Advarselshenvisninger

Advarselshenvisninger, i tekst og/eller billede, som klæbemærkat, påtryk og/eller i form af denne betjeningsvejledning er udsat for et naturligt slid. Ejeren bærer ansvaret for at de altid er forhåndenværende og læsbare.

Beskadigede eller manglende advarselshenvisninger skal omgående erstattes med nye. Kontakt Deres forhandler ved behov.

Betjeningsvejledningen skal til senere brug ubetinget opbevares et sikkert sted!

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1. Prefacio

Estas instrucciones de servicio se refieren a las máquinas recreativas de mostrador, de pie o de asiento. Para números de piezas de repuesto, avisos de servicio y ajustes, véase el manual original adjunto por separado. En caso de duda, particularmente en dificultades idiomáticas o de cualquier otra índole con el manual original, ¡recurra necesariamente a la ayuda técnica de su distribuidor!

Reservadas las modificaciones a este manual en nuevas ediciones.

Declaración de conformidad de la CEE

Este aparato satisface las directrices y los estándares de seguridad estipulados por la CEE. No recae bajo la denominación de directriz para maquinarias.

2. Avisos de seguridad

2.1. Definición



¡¡ATENCIÓN !! El incumplimiento puede llegar a provocar daños personales o lesiones mortales.

2.2. Aclaraciones generales

Intervenciones en el aparato sólo por personal eléctrico especializado, pues de lo contrario existe riesgo de lesiones personales así como de un deterioro permanente del aparato. Resultado de ello serían trabajos costosos de reparación, cambio de componentes del sistema, caducidad de los derechos de garantía.

Instalación y trabajos de reparación sólo por personal eléctrico especializado, trabajos de servicio sólo por personal instruido. El propietario del aparato tiene que asegurarse de que todas las personas que tengan que ver con la instalación, puesta en servicio, mantenimiento y reparación del aparato, estén cualificadas para ello y de que antes de comenzar con los trabajos hayan leído y comprendido los avisos necesarios de seguridad y el capítulo correspondiente del manual.

¡Guardar las instrucciones de servicio en un lugar seguro para su uso posterior!

¡No se asume ninguna clase de garantía por accidentes, lesiones y daños que devengan de un manejo inadecuado, un uso no autorizado y a transformaciones personales del aparato! Por motivos de seguridad, se prohíbe terminantemente realizar modificaciones y transformaciones personales en el aparato.

Contacte con su distribuidor para otras preguntas o en caso de duda.

¡Tienen que cumplirse estrictamente los avisos de seguridad! Por su propia seguridad.

2.3. Avisos básicos de seguridad

El aparato debe ponerse en servicio sólo, si se realizó la instalación correctamente conforme al manual.

La tensión y frecuencia de servicio del aparato tiene que coincidir con la tensión y la frecuencia de la red. Para los datos eléctricos, véase la placa de características ubicada en la parte posterior del aparato. Conectar el aparato solamente a un enchufe correctamente instalado, con cortacircuito y con toma de tierra.

¡Instalación y puesta en servicio únicamente dentro de locales cerrados y secos! ¡El aparato sólo debe usarse de forma comercial!

Los avisos de peligro deteriorados o ausentes en el aparato han de reemplazarse inmediatamente.



!!ATENCIÓN !! Peligro de implosión de los tubos de imagen y de neón
Instalación únicamente sobre una superficie estable y robusta, sujetar caso necesario. La caída del aparato puede tener como consecuencia la implosión de los tubos de imagen y de neón. Los cascotes de vidrio despedidos pueden provocar lesiones graves.



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Antes de abrir el aparato ¡Saque SIEMPRE el enchufe de la toma de red! La pared trasera del aparato sólo ha de abrirla un electricista especializado. En el interior del aparato existen altas tensiones peligrosas al contacto, que se forman incluso después de desconectar el enchufe. Su incumplimiento puede provocar lesiones graves o la muerte.



!!ATENCIÓN !! Peligro de incendio

Cambie los fusibles quemados sólo por los fusibles prescritos. No obstruya nunca las rejillas de ventilación de las máquinas recreativas. No sobrepase la temperatura ambiente de 40°C. No sobrecargue el circuito eléctrico ni las líneas de alimentación.

En caso de defecto, saque inmediatamente el enchufe de la toma de red y encargue su reparación solamente a un técnico electricista. Tire solamente del enchufe y no del cable.

Al buscar fallos, no saque ni meta nunca las conexiones de enchufe existentes bajo tensión dentro del aparato. Por regla general, ¡todos los trabajos de reparación en estado sin tensión!

Utilice solamente piezas originales de repuesto.

¡El incumplimiento de los puntos arriba mencionados puede generar un peligro de muerte!

3. Control del aparato

3.1. Control después de la entrega

Controle los daños de transporte del aparato directamente después de la entrega. Para asegurar sus derechos, anote los daños visibles en los documentos de expedición de la agencia de transportes o notifique inmediatamente después de la recepción de la mercancía.

Abra el aparato y controle la posición correcta de todos los componentes y conexiones de enchufe.

Saque del interior del aparato o de la caja el material de montaje empaquetado.

Si el enchufe de red suministrado no cumple la norma prescrita local, conecte un enchufe adecuado al cable de alimentación.



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Conexión del enchufe de red solamente por un técnico electricista.
¡Su incumplimiento pone en peligro a usted mismo y a otras personas!

Si disponibles, sacar del embalaje la pieza superior separada o la unidad con asiento. Montaje de estas piezas sólo en el lugar de instalación, de lo contrario deterioros en el transporte.

4. Transporte, instalación y puesta en servicio

4.1. Elección del lugar de montaje y transporte

¡Instalación y puesta en servicio únicamente dentro de locales cerrados y secos!. Se prohíbe estrictamente la instalación al aire libre o en locales húmedos. La humedad penetrante puede provocar accidentes causados por sacudidas eléctricas o por fallos dentro del aparato. Evite una exposición directa a los rayos del sol.

Antes del transporte, controlar en el lugar de instalación las vías y posibilidades de transporte. En suelos inclinados, mover con mucha precaución los aparatos provistos de rodillos para el transporte.

Mover el aparato junto con una cantidad suficiente de personas. Cuidado con las lámparas que cuelgan muy bajas.

Colocar el aparato sobre una superficie plana y robusta. No obstruir los orificios de ventilación situados en la parte trasera del aparato. Mantener una separación suficiente de la pared (10 cm mín.).

No colocar el aparato cerca de:

- a) instalaciones de salvamento, como p. ej.
 - salidas de emergencia,
 - extintores, etc.
- b) recipientes con sustancias fácilmente inflamables, agua o productos químicos,
- c) fuentes de calor, como p. ej.
 - calefacciones
 - aberturas de acondicionadores de aire
 - escaparates con irradiaciones directas del sol etc.

No someter el aparato a cargas que provoquen a una avería funcional o a defectos, como p. ej.

- fuertes vibraciones,
- acumulación extrema de polvo o suciedad,
- exposición directa a los rayos del sol o calor,
- lluvia o humedad,
- fuerte magnetismo o radioondas.

Tiene que existir una caja de enchufe instalada correctamente, con toma de tierra y de cortocircuito directamente en el lugar de montaje del aparato.

No sobrecargar el circuito eléctrico al que se acopla el aparato.

Tender el cable de alimentación de tal modo que nadie se tropiece con él. Su incumplimiento puede provocar lesiones o deteriorar el cable de alimentación.

No doblar fuertemente el cable de alimentación ni colocar sobre él objetos pesados, pues puede deteriorarse el aislamiento, teniendo como consecuencia una exposición libre de la tensión de red, un cortocircuito y un posible incendio.

4.2. Instalación y montaje del aparato

¡Colocar el aparato, no meter todavía el enchufe en la red, sólo después de concluir la instalación!.



¡¡ATENCIÓN !! Peligro de implosión de los tubos de imagen y de neón

Cumplir necesariamente los avisos de seguridad del capítulo 2.3.

4.2.1. Los aparatos de vídeo para mostrador se entregan completamente montados. No es necesario otro montaje. ¡Procurar un lugar seguro estático!

4.2.2. Avisos de montaje Aparato de vídeo de pie y aparatos con asiento

Si disponibles, sujetar las piezas accesorias separadas con seguridad al aparato con los tornillos que se encuentran en el paquete secundario. Asegurar la pieza superior durante el montaje con dos ayudantes como mínimo, usar por ejemplo escalerillas y otras ayudas. Enchufar las conexiones de enchufe de las piezas accesorias, si disponibles.

Establecer las conexiones seguras de toma de tierra.

Para los avisos de montaje véase el manual original.

¡En caso de duda, recurra necesariamente a la ayuda técnica de su distribuidor!

4.2.2.1. Aparato de vídeo de pie, suministros posibles:

- a) montado completamente y/o
- b) con pieza superior embalada por separado (iluminada o no) y /o
- c) con unidad de control embalada por separado.

4.2.2.2. Aparato de vídeo con asiento suministros posibles:

- a-c) como el aparato de pie y/o adicional
- d) con unidad de asiento embalada por separado.

4.3. Puesta en servicio

Si disponible, nivelar exactamente el aparato con los tornillos de pata regulables en altura. El aparato tiene que estar sobre el fundamento completamente fijo. En suelos resbaladizos utilizar las caperuzas de goma para las patas.

Controlar la posición correcta de los componentes y de las conexiones de enchufe. ¡Encargar a un electricista especializado controlar especialmente la correcta posición de todos los cables de tierra de todas las piezas metálicas libres!.

Desconectar el interruptor principal. Conectar el enchufe de red sólo después de controlar todos los puntos anteriormente mencionados.

Conectar el interruptor principal. Si después de conectar, escuchara un ruido anormal, humo o olores raros, sacar inmediatamente el enchufe de la toma de red y solicitar el consejo de un electricista especializado. En caso de duda, contacte necesariamente con su distribuidor.



!!ATENCIÓN !! Peligro de incendio

No ponga en funcionamiento en ningún caso el aparato averiado.

4.4. Ajustes

Leer los ajustes conformes al modelo y/o al programa en el manual original adjunto.



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

En caso de duda, ¡recurra necesariamente a la ayuda técnica de su distribuidor!

5. Inspección, mantenimiento y cuidado

5.1. Avisos generales



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

Controlar periódicamente el estado del cable de alimentación. Al dañarse los cables o enchufes, apagar inmediatamente el aparato y encargarlo reparar a un electricista especializado.

Controlar necesariamente la existencia y legibilidad de los avisos de peligro, cambiar en caso necesario (ver capítulo 8)

5.2. Mantenimiento

El aparato en sí no precisa mantenimiento.

5.3. Limpieza del cuerpo y de la pantalla exterior

1. ¡Apagar el aparato y sacar el enchufe!
2. Limpiar el cuerpo y la pantalla exterior con un paño suave, húmedo (bien escurrido) y un detergente fino (no usar limpiadores que contengan disolventes, ácidos o medios abrasivos)

6. Servicio

6.1. Avisos generales



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

En caso de defecto, saque inmediatamente el enchufe de la toma de red y encargue su reparación solamente a un técnico electricista. Para los avisos de servicio, véase el manual original.

En caso de duda, ¡recurra necesariamente a la ayuda técnica de su distribuidor!

6.2. Cambio de las lámparas defectuosas

1. ¡Apagar el aparato y sacar el enchufe de red!
2. ¡Cuidado, la lámparas pueden quemar!
3. Cambiar las lámparas solamente por piezas prescritas. Para los avisos de servicio, véase el manual original.

7. Puesta fuera de servicio

7.1. Avisos generales



!!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

7.2. Desmontaje

Sacar el enchufe de red. Desmontar en sentido inverso todos los accesorios descritos en el capítulo 4.2. Durante el desmontaje sujetar la pieza superior con ayuda de dos personas.

7.3. Transporte

Cambiar de lugar y efectuar la reconexión tal como descrito en el capítulo 4.

7.4. Gestión residual

Encargar la gestión residual a una empresa autorizada.

8. Avisos de peligro

Los avisos de peligro, ya sea en texto o en imágenes, como pegatinas, sobreimpresión y/ o en forma de estas instrucciones de servicio quedan supeditados al desgaste natural. El usuario tiene la responsabilidad de que se disponga de ellas y de que sean legibles.

Los avisos de peligro deteriorados o ausentes en el aparato han de reemplazarse inmediatamente. En caso necesario contacte con su distribuidor.

¡Guardar las instrucciones de servicio en un lugar seguro para su uso posterior!

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1. Avant-propos

Ces instructions de service ont cours de validité pour les automates de jeux vidéo utilisés sur comptoirs, debout et assis. Les numéros des pièces de rechange, les instructions de service et les réglages figurent dans le manuel original four/ni séparément avec l'appareil. En cas de doute, particulièrement si le manuel d'utilisation vous pose des difficultés de compréhension au niveau de la langue ou autres, il est impératif de faire appel à l'assistance spécialisée de votre fournisseur !

Sous réserve de modifications dans les nouvelles versions de ce manuel.

Déclaration de conformité CE

Cet appareil est conforme aux directives et aux standards de sécurité européens. Il n'est pas sujet aux directives sur les machines.

2. Instructions de sécurité

2.1. Définition des termes employés



ATTENTION !! Le non respect des instructions de sécurité peut être à l'origine de risques corporels et provoquer des blessures mortelles.

2.2. Explications d'ordre général

Les opérations effectuées sur l'appareils sont exclusivement du ressort d'un personnel spécialisé pour éviter tout risque de blessures, qui risqueraient également d'être à l'origine de séquelles durables. Il en résulterait des réparations onéreuses, le remplacement de composants du système, l'extinction des droits de garantie.

L'installation et les travaux de réparation doivent être exclusivement effectués par un personnel spécialisé, les travaux de service uniquement par un personnel formé à cet effet. Le propriétaire de cet appareil doit s'assurer que toutes les personnes chargées de l'installation, de la mise en service, de la maintenance, des réparations et de l'entretien sont qualifiées pour ce faire. Il est impératif qu'elles aient pris connaissance et compris les instructions de sécurité et les chapitres correspondants de ce manuel.

Conserver les instructions de service dans un endroit sûr pour pouvoir les consulter en cas de besoin !

Toute responsabilité est exclue pour les accidents, les blessures et des détériorations résultant d'une manutention non appropriée, d'une utilisation non conforme et de transformations réalisées sur l'initiative de l'utilisateur ! Il est expressément interdit, pour des raisons de sécurité, d'effectuer toute transformation ou modification sur l'automate.

Veuillez contacter votre fournisseur pour toute demande de renseignements complémentaires ou en cas de doute.

Les instructions de service doivent être respectées à la lettre ! Il s'agit de votre sécurité.

2.3. Instructions de sécurité de base

L'appareil ne doit être utilisé que si l'installation a été réalisée conformément aux instructions stipulées dans ce manuel.

La tension et la fréquence de service de l'appareil doivent correspondre à la tension et à la fréquence du réseau. Les caractéristiques électriques figurent sur la plaque signalétique située à l'arrière de l'appareil. Raccorder exclusivement l'appareil à une prise de courant installée correctement, équipée d'un fusible et d'une prise de terre.

Monter et utiliser l'appareil exclusivement dans des locaux secs et fermés ! L'appareil est prévu pour être utilisé uniquement à des fins professionnelles.

Remplacer immédiatement les panneaux de signalisation des dangers endommagés ou manquants.



ATTENTION !! Risque d'implosion des tubes cathodiques et des tubes au néon

Installer l'appareil sur un support stable et solide et l'y fixer si nécessaire. Un appareil qui tombe peut provoquer l'implosion des tubes cathodiques et des tubes au néon. Les éclats de verre projetés peuvent occasionner des blessures graves.



ATTENTION !! Risques d'électrocution

Avant d'ouvrir l'appareil, retirer TOUJOURS la fiche de la prise de courant ! Ne jamais toucher la prise avec des mains mouillées. L'arrière de l'appareil doit être ouvert exclusivement par un personnel spécialisé. Les hautes tensions accessibles régnant à l'intérieur de l'appareil et mortelles sont encore présentes lorsque la prise secteur a été retirée.



ATTENTION !! Risques d'incendie

Utiliser exclusivement les fusibles prescrits. Ne jamais obstruer les fentes d'aération des automates de jeux. La température de l'environnement de doit pas excéder 40°C. Ne pas surcharger le secteur et les lignes d'alimentation.

Dans le cas d'un dérangement, retirer immédiatement la fiche de la prise de courant et faire effectuer la réparation par un personnel spécialisé uniquement. Tirer sur la fiche, pas sur le câble.

Dans le cas d'une recherche d'erreur, ne jamais retirer les connexions enfichables située à l'intérieur de l'appareil si ce dernier est sous tension. Couper la tension avant d'effectuer toute réparation !

Utiliser exclusivement des pièces de rechange d'origine .

Le non respect des points énumérés ci-dessus peut vous mettre en danger de mort!

3. Vérification de l'appareil

3.1. Contrôle après livraison

Vérifier dès la livraison si l'appareil n'a subi aucun dommage pendant le transport. Noter les détériorations visibles sur les papiers de livraison de l'entreprise qui a effectué le transport, ou les communiquer immédiatement après la réception pour assurer votre recours.

Ouvrir l'appareil et s'assurer que tous les modules et raccordements sont bien fixés.

Retirer le matériel de montage qui se trouve à l'intérieur de l'appareil ou dans le boîtier caisse.

Si la prise secteur n'est pas conforme à la norme prévue sur le site d'installation, raccorder la prise convenable au câble d'alimentation.



ATTENTION !! Risques d'électrocution

Le raccordement de la prise secteur doit être effectué exclusivement par un personnel spécialisé. Vous vous mettez en danger, ainsi que d'autres personnes si vous ne respectez pas ce point !

Sortir l'élément de tête de l'emballage, ou le siège fourni éventuellement séparément. Ne montez ces éléments que lorsque l'appareil se trouve sur le site d'installation, vous risquez sinon de les endommager pendant le transport.

4. Transport, installation et mise en service

4.1. Choix du site d'installation et transport

Effectuer le montage et la mise en service dans des locaux secs uniquement ! Il est strictement interdit de monter l'appareil à l'air libre ou dans des locaux humides. L'humidité peut provoquer des accidents par décharges électriques ou occasionner des erreurs dans l'appareil. Eviter d'exposer l'appareil aux rayons directs du soleil.

Avant d'effectuer le transport, vérifier les voies et les possibilités de transport sur le site d'installation. Prêter une attention particulière sur les sols inclinés si l'appareil est muni de roulettes.

Ne déplacer l'appareil que si le nombre de personnes nécessaires pour ce faire est suffisant. Prendre garde aux éléments d'éclairage bas.

Installer l'appareil sur un sol plane et solide. Ne pas obstruer les ouvertures de ventilation à l'arrière de l'appareil. Respecter un écart suffisant par rapport au mur (10 cm minimum).

Ne pas placer l'appareil à proximité

- a) d'installations de première urgence, comme par ex.
 - sorties de secours
 - extincteurs, etc.
- b) de conteneurs renfermant des produits facilement inflammables, de l'eau ou des produits chimiques
- c) de sources de chaleur, comme par ex.
 - radiateurs
 - ouvertures de climatiseurs
 - vitrines exposées aux rayons directs du soleil, etc.

Ne pas exposer l'appareil à des contraintes pouvant perturber ses fonctions ou provoquer un dérangement, comme par ex.

- importantes vibrations
- présence extrême de poussière ou de saletés
- rayonnements directs du soleil ou chaleur
- pluie ou humidité
- magnétisme ou ondes radio importantes

Une prise secteur dotée d'une prise de terre et d'un fusible doit être installée correctement sur le site d'installation.

Ne pas surcharger le circuit de courant auquel l'appareil est raccordé.

Poser le câble secteur de manière à ce que personne ne puisse y trébucher. Le non respect de ce point peut mener à des blessures graves et à une détérioration du câble secteur.

Ne jamais plier le câble secteur ou y poser d'objets lourds. L'isolation pourrait en être endommagée, découvrant ainsi le câble, et provoquer des risques d'électrocution, un court-circuit ou un risque d'incendie.

4.2. Installation et montage

Placer l'appareil. Ne pas encore brancher la prise secteur, mais attendre que l'installation soit terminée !



ATTENTION !! Risque d'implosion des tubes cathodiques et des tubes au néon
Respecter impérativement les instructions de sécurité stipulées au chapitre 2.3.

4.2.1. Les appareils de comptoir vidéo sont livrés entièrement montés. Il n'est pas nécessaire d'effectuer de montages supplémentaires. Installer l'appareil dans un endroit sûr !

4.2.2. Instructions de montage des appareils vidéo pour utilisation debout et assise

Si des accessoires sont fournis avec l'appareil, les fixer sûrement au moyen des vis fournies dans le sachet accompagnant l'appareil. L'élément de tête doit être maintenu par 2 assistants au moins. Utiliser une échelle ou un escabeau si nécessaire. Brancher les connexions des accessoires si ces derniers sont également fournis.

Réaliser correctement les connexions à la terre.

Se reporter au manuel pour y consulter les instructions de montage.

En cas de doute, contactez impérativement votre fournisseur !

4.2.2.1. Appareils vidéo pour utilisation debout, forme de livraison

- a) monté complètement et / ou
- b) avec élément de tête livré séparément (éclairé ou non) et / ou
- c) avec unité de commande livrée séparément

4.2.2.2. Appareils vidéo pour utilisation assise, forme de livraison

- a-c) comme pour les appareils vidéo utilisés debout et / ou
- d) avec siège livré séparément

4.3. Mise en service

Positionner l'appareil de niveau au moyen des pieds de réglage à visser, si l'appareil en est équipé. Il faut que l'appareil soit absolument stable. Les pieds doivent être revêtus de pièces en caoutchouc si le sol est glissant.

Vérifier si tous les modules et toutes les connexions sont bien fixés. Faire vérifier par un spécialiste la fixation correcte de toutes les connexions de protection de toutes les parties métalliques dénudées.

Désactiver l'interrupteur principal. Ne brancher la prise secteur que lorsque tous les points énumérés ci-dessus ont été respectés.

Activer l'interrupteur principal. Dans le cas de bruits anormaux, d'apparition de fumée ou d'odeurs inhabituelles lorsque l'appareil est mis en service, débrancher immédiatement la prise secteur et demander conseil à un spécialiste ! Contactez impérativement votre fournisseur en cas de doute.



ATTENTION !! Risques d'incendie

Ne jamais continuer à utiliser un appareil défectueux.

4.4. Réglages

Effectuer les réglages propres au programme et au modèle d'appareil conformément aux instructions spécifiées dans le manuel original fourni.



ATTENTION !! Risques d'électrocution

Respecter impérativement les instructions de sécurité stipulées au chapitre 2.

En cas de doute, contactez impérativement l'assistance spécialisée de votre revendeur !

5. Révision, maintenance et entretien

5.1. Généralités



ATTENTION !! Risques d'électrocution

Respecter impérativement les instructions de sécurité stipulées au chapitre 2.

Vérifier régulièrement l'état du câble secteur. Mettre l'appareil hors service immédiatement si le câble secteur ou la prise secteur sont endommagés et les faire réparer aussitôt par un électricien.

Vérifier impérativement si les panneaux de signalisation des dangers sont en place et lisibles et les remplacer si nécessaire (voir le chapitre 8).

5.2. Maintenance

L'appareil est exempt de maintenance.

5.3. Nettoyage du boîtier et de l'écran extérieur

1. Mettre l'appareil hors service et débrancher la prise secteur.
2. Nettoyer le boîtier et l'écran extérieur au moyen d'un chiffon doux et humide (pas mouillé) et d'un produit de nettoyage doux, (ne pas employer de solvants ou des produits de nettoyage contenant des acides ou des produits de nettoyage à récurer).

6. Service

6.1. Généralités



ATTENTION !! Risques d'électrocution

Respecter impérativement les instructions de sécurité stipulées au chapitre 2.

En cas de panne, débrancher immédiatement la prise secteur et faire réparer l'appareil par un spécialiste uniquement. Respecter les instructions de sécurité stipulées dans le manuel original.

En cas de doute, contactez impérativement l'assistance spécialisée de votre fournisseur!

6.2. Remplacement des éléments d'éclairage défectueux

1. Mettre l'appareil hors service.
2. Attention! Les éléments d'éclairage peuvent être chauds !
3. Remplacer les éléments d'éclairage par des pièces autorisées. Respecter les instructions de sécurité stipulées dans le manuel original.

7. Mise hors service

7.1. Généralités



ATTENTION !! Risques d'électrocution

Respecter impérativement les instructions de sécurité stipulées au chapitre 2.

7.2. Démontage

Débrancher la prise secteur. Démonter tous les accessoires décrits au chapitre 4.2 dans l'ordre inverse. Se faire aider par au moins 2 assistants pour démonter l'élément de tête.

7.3. Changement de site

Effectuer le transport et la remise en service conformément aux instructions décrites au chapitre 4.

7.4. Mise au rebut

La mise au rebut doit être effectuée par une entreprise spécialisée.

8. Panneaux de signalisation des dangers

Les panneaux de signalisation des dangers, qu'ils se présentent sous forme de texte ou de figures, qu'ils soient imprimés sur l'appareil et / ou sous forme de ces instructions de service, sont soumis à une usure naturelle. L'exploitant assume la responsabilité pour le fait qu'ils soient toujours présents et lisibles.

Les panneaux de signalisation des dangers détériorés ou manquants doivent être remplacés immédiatement. Contactez votre fournisseur en cas de besoin.

Conserver les instructions de service dans un endroit sûr pour pouvoir les consulter en cas de besoin.

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8. **Varoitukset**

1. Esipuhe

Nämä käyttöohjeet on tarkoitettu pöytä-, seisoma- ja istumamallin videopeliautomaateille. Varaosien numerot, huolto-ohjeet ja säätötyöt, ks. erillistä laitteen mukana toimitettua alkuperäistä käsikirjaa. Epäselvissä tapauksissa, erityisesti myös alkuperäisen käsikirjan yhteydessä esiintyvissä kielellisissä tai muunlaisissa ymmärtämisvaikeuksissa, on ehdottomasti käytettävä myyntiliikkeen asiantuntevaa apua!

Oikeus tämän käsikirjan muutoksiin uusien painosten muodossa pidätetään.

EC-yhdenmukaisuusvakuutus

Tämä laite on Euroopan turvallisuudirektiivien ja standardien mukainen. Laite ei kuulu konedirektiivin alaisuuteen.

2. Turvaohjeita

2.1. Käsitteen määrittely



VAROITUS !! Turvaohjeiden laiminlyönnistä voi olla seurauksena henkilövahingot tai hengenmenetys.

2.2. Yleisiä selostuksia

Laitteeseen saavat puuttua vain sähköalan ammattilaiset, muussa tapauksessa vaarana on loukkaantuminen sekä pysyvät laitevauriot. Tästä olisi taas seurauksena kalliit korjaustyöt, järjestelmäkomponenttien vaihto ja takuuoikeuksien raukeaminen.

Asennus- ja korjaustöitä saavat suorittaa vain sähköalan ammattilaiset, huoltotöitä vain laitteeseen perehtynyt henkilöstö. Laitteen omistajan täytyy varmistua siitä, että kaikki henkilöt, jotka ovat tekemisissä tämän laitteen pystytyksen, käyttöönoton, huolto-, korjaus- ja kunnostustöiden kanssa, ovat päteviä tehtäväänsä ja että he ovat ennen töiden aloittamista ehdottomasti lukeeet ja ymmärtäneet tarpeelliset turvaohjeet ja niihin liittyvät käsikirjan luvut.

Käyttöohjeita on ehdottomasti säilytettävä luotettavassa paikassa myöhempää käyttöä varten!

Tapaturmista, loukkaantumisista tai vaurioista ei vastata, jos laitetta käsitellään epäasianmukaisesti tai sitä käytetään määräysten vastaisesti tai sen rakennetta muutetaan omavaltaisesti! Automaatin omavaltaiset rakenteelliset tai muut muutokset ovat turvallisuussyistä nimenomaisesti kiellettyjä.

Lisäkysymyksissä tai epäselvässä tapauksessa tulee ottaa yhteyttä myyntiliikkeeseen.

Turvaohjeita on noudatettava tarkasti! Kysymys on omasta turvallisuudestasi.

2.3. Perustavanlaatuisia turvaohjeita

Laitetta saa käyttää vain, kun se on pystytetty määräysten ja käsikirjan mukaisesti.

Laitteen käyttöjännitteen ja -taajuuden täytyy vastata verkkovirran jännitettä ja taajuutta. Sähkötiedot, ks. laitteen takaosassa olevaa tyyppikilpeä. Laitteen saa liittää vain asianmukaisesti asennettuun, suojattuun ja maadoitettuun seinäpistorasiaan.

Laitteen saa pystyttää ja ottaa käyttöön vain suljetussa, kuivassa tilassa! Laitetta saa käyttää vain ammattitarkoitukseen!

Laitteen vioittuneet tai puuttuvat varoitukset on vaihdettava heti uusiin.



VAROITUS !! Kuvaputken ja neonputkien räjähdysvaara

Laitteen saa pystyttää vain tukevalle, kantavalle alustalle, ja se on tarvittaessa kiinnitettävä. Jos laite kaatuu, kuva- tai neonputket voivat räjähtää. Ympäriinsä lentävät lasinsirut voivat aiheuttaa tällöin mitä vakavampia vammoja.



VAROITUS !! Sähköiskun vaara

Verkkopistoke on vedettävä AINA irti pistorasiasta, ennen kuin laite avataan! Verkkopistoketta ei saa koskaan koskettaa märillä käsillä. Laitteen takaseinän saavat avata vain sähköalan ammattilaiset. Laitteen sisäosassa on hengenvaarallista, kosketussuojaamatonta suurjännitettä myös verkkopistokkeen irrottamisen jälkeen. Jos tätä määräystä ei noudateta, seurauksena voi olla hengenmenetys tai vakavat vammat.



VAROITUS !! Tulipalon vaara

Sulakkeet saa vaihtaa vain määräysten mukaisiin sulakkeisiin. Peliautomaatin tuuletusrakojia ei saa koskaan peittää. Ympäristön lämpötila ei saa kohota yli 40°C. Verkkovirtapiiriä ja syöttöjohtoja ei saa ylikuormittaa.

Jos laitteessa on vikaa, verkkopistoke on vedettävä heti irti pistorasiasta ja korjaustyöt annettava vain sähköalan ammattilaisten tehtäväksi. Pistokkeen saa irrottaa vain pistokkeesta, ei sähköjohdosta vetämällä.

Laitteen sisässä olevia pistoliittimiä ei saa koskaan vetää vianhaun yhteydessä irti tai pistää paikalleen, kun laitteessa on jännitettä. Korjaustöitä saa suorittaa aina vain, kun laitteessa ei ole jännitettä!

Käyttää saa vain alkuperäisiä varaosia.

Edellä mainittujen määräysten laiminlyöminen voi olla hengenvaarallista!

3. Laitteen tarkastus

3.1. Tarkastus laitteen saavuttua

Laite tulee tarkastaa toimituksen saavuttua, näkykö siinä kuljetusvaurioita. Näkyvät vauriot tulee merkitä laitteen toimittaneen huolitsijan huolintapapereihin tai ilmoitettava välittömästi tavarantoimittajalle, jotta oikeudet säilyvät.

Laite avataan ja kaikkien rakenneryhmien ja pistoliittimien kiinnitys tarkastetaan.

Mukaan pakattu asennusmateriaali otetaan pois laitteen sisältä tai kassalaatikosta.

Jos mukana toimitettu verkkopistoke ei ole maassa voimassa olevien määräysten mukainen, verkkokaapeliin on liitettävä sopiva verkkopistoke.



VAROITUS !! Sähköiskun vaara

Verkkopistokkeen saavat liittää vain sähköalan ammattilaiset. Laiminlyönnillä vaarannat itsesi ja muut!

Erillinen yläosa tai istuinyksikkö, jos laitteeseen kuuluu tällaiset, otetaan ulos pakkauksesta. Nämä osat asennetaan vasta pystytyspaikalla, koska ne voivat vioittua kuljetuksessa.

4. Kuljetus, pystytys ja käyttöönotto

4.1. Pystytyspaikan valinta ja kuljetus

Laitteen saa pystyttää ja ottaa käyttöön vain suljetussa, kuivassa tilassa! Pystytys ulos tai kosteaan tai märkään tilaan on ankarasti kielletty. Sisään tunkeutuvasta kosteudesta voi

olla seurauksena sähköiskutapaturmat tai laitteen sisäosien vioittuminen. Suoraa auringonsäteilyä on vältettävä.

Kuljetusreitit ja -mahdollisuudet pystytyspaikalla tulee tarkastaa ennen kuljetusta. Jos laitetta kuljetetaan kuljetuspyörillä, on oltava erityisen varovainen kaltevilla alustoilla.

Laitteen siirtämiseen tulee käyttää riittävä määrä henkilöitä. Varo alhaalla riippuvia valaisimia.

Laite pystytetään tasaiselle, kantavalle alustalle. Laitteen takaosan tuuletusaukkoja ei saa peittää. Seiniin on pidettävä riittävä etäisyys (vähint. 10 cm).

Laitetta ei saa sijoittaa seuraavien kohteiden läheisyyteen:

- a) pelastusjärjestelmät, kuten esim.
 - varauloskäytävät,
 - palonsammuttimet jne.
- b) säiliöt, jotka sisältävät syttyviä aineita, vettä tai kemikaaleja,
- c) lämpölähteet, kuten esim.
 - lämmityspatterit,
 - ilmastointilaitteiden aukot,
 - näyteikkunat, joihin aurinko paistaa suoraan jne.

Laitetta ei saa kuormittaa millään tavalla, mikä aiheuttaa toimintahäiriöitä tai vikoja, kuten esim.

- voimakas värinä,
- äärimmäinen pöly tai lika,
- suora auringonsäteily tai kuumuus,
- sade tai kosteus,
- voimakas magneettisuus tai radioaallot.

Laitteen pystytyspaikan vieressä täytyy olla asianmukaisesti asennettu, maadoitettu ja sulakkeilla suojattu seinäpistorasia.

Virtapiiriä, johon laite liitetään, ei saa ylikuormittaa.

Verkkokaapeli on asennettava siten, että kukaan ei voi kompastua siihen. Laiminlyönnistä voi olla seurauksena vakavat vammat tai verkkokaapelin vioittuminen.

Verkkokaapelia ei saa taivuttaa jyrkälle mutkalle tai asettaa sen päälle raskaita esineitä, koska eristys voi tästä vioittua, jolloin verkkojännitteen koskettaminen on mahdollista tai seurauksena voi olla oikosulku ja tästä aiheutuva tulipalo.

4.2. Laitteen pystytys ja asentaminen

Laite sijoitetaan paikalleen, verkkopistoketta ei liitetä vielä pistorasiaan, vaan vasta kun pystytys on päättynyt!



VAROITUS !! Kuvaputken ja neonputkien räjähdysvaara

Luvun 2.3 turvaohjeet on ehdottomasti otettava huomioon.

4.2.1. Pöytämallin videopeliautomaatit toimitetaan kokonaan kokoonpantuna. Lisäasennustyöt eivät ole tarpeen. On huolehdittava vain tukevasta pystytyspaikasta!

4.2.2. Seisoma- ja istumamallin videopeliautomaatit

Erilliset tarvikelosat, jos tällaisia kuuluu laitteeseen, kiinnitetään laitteeseen luotettavalla tavalla laitteen mukaan pakatuilla ruuveilla. Vähintään 2 avustajan tulee pitää yläosasta kiinni asennuksen aikana, jolloin on käytettävä nousuapuvälineitä, esim. tikapuita tai askelmia. Tarvikelosien pistoliittimet, jos tällaisia kuuluu laitteeseen, pistetään paikalleen.

Suojajohtimet liitetään luotettavalla tavalla.

Asennusohjeet, ks. alkuperäistä käsikirjaa.

Epäselvässä tapauksessa on ehdottomasti käytettävä myyntiliikkeen asiantuntevaa apua!

4.2.2.1. Seisomallin videopeliautomaatti, mahdolliset toimitusmuodot:

- a) kokonaan kokoonpantu ja/tai
- b) erikseen pakattu yläosa (valaistu tai valaisematon) ja/tai
- c) erikseen pakattu ohjausyksikkö.

4.2.2.2. Istumamallin videopeliautomaatti, mahdolliset toimitusmuodot:

- a-c) kuten seisomamallin videopeliautomaatti ja/tai lisäksi
- d) erikseen pakattu istuinyksikkö.

4.3. Käyttöönotto

Laite asetetaan tarkasti vaakasuoraan korkeussäädettävillä jalkaruuveilla, jos laitteessa on tällaiset. Laitteen täytyy seisoa ehdottoman tukevasti alustallaan. Sileillä lattioilla laitteen jalkojen alle asetetaan kumitulpat.

Kaikki rakenneryhmät ja pistoliittimet tarkastetaan, ovatko ne lujasti kiinni. Erityisesti kaikkien kosketussuojaamattomien metalliosien suojajohdinten liitäntöjen kiinnitys täytyy antaa sähköalan ammattilaisen tarkastettavaksi!

Pääkytkin kytketään pois päältä. Verkkopistoke pistetään pistorasiaan vasta, kun kaikki edellä mainitut seikat ovat varmasti kunnossa.

Pääkytkin kytketään päälle. Jos kuuluu epätavallisia ääniä, laitteesta tulee savua tai epätavallista hajua päällekytkennän jälkeen, verkkopistoke on vedettävä heti irti pistorasiasta ja paikalle on kutsuttava sähköalan ammattilainen. Epäselvässä tapauksessa on ehdottomasti otettava yhteyttä myyntiliikkeeseen.



VAROITUS !! Tulipalon vaara

Missään tapauksessa viallisen laitteen käyttämistä ei saa jatkaa korjaamattomana.

4.4. Säättötyöt

Ohjelma- ja mallikohtaiset säättötyöt on selostettu mukana seuraavassa alkuperäisessä käsikirjassa.



VAROITUS !! Sähköiskun vaara

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

Epäselvässä tapauksessa on ehdottomasti käytettävä myyntiliikkeen asiantuntevaa apua!

5. Säännöllinen tarkastus, huolto ja hoito

5.1 Yleisiä ohjeita



VAROITUS !! Sähköiskun vaara

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

Verkkokaapelin kunto on tarkastettava säännöllisesti. Jos kaapeli tai pistoke on viallinen, laite on otettava heti pois käytöstä ja korjautettava sähköalan ammattilaisella. On ehdottomasti tarkastettava, ovatko varoitukset paikoillaan ja luettavassa kunnossa, tarvittaessa ne on vaihdettava (ks. luku 8).

5.2. Huolto

Laite itse ei tarvitse huoltoa.

5.3. Kotelon ja kuvaruudun ulkopinnan puhdistaminen

1. Laite on kytkettävä pois päältä ja verkkopistoke vedettävä irti!
2. Kotelo ja kuvaruudun ulkopinta puhdistetaan pehmeällä, kostealla (ei märällä) rievulla käyttäen mietoa puhdistusainetta (käyttää ei saa liuottimia, happoa tai hankaavia aineita sisältäviä puhdistusaineita).

6. Huolto

6.1. Yleisiä ohjeita



VAROITUS !! Sähköiskun vaara

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

Jos laitteessa on vikaa, verkkopistoke on vedettävä heti irti pistorasiasta ja laite korjautettava sähköalan ammattilaisella. Huolto-ohjeet, ks. alkuperäistä käsikirjaa.

Epäselvässä tapauksessa on ehdottomasti käytettävä myyntiliikkeen asiantuntevaa apua!

6.2. Viallisten valaisimien vaihtaminen

1. Laite on kytkettävä pois päältä ja verkkopistoke vedettävä irti!
2. Varo! Valaisin voi olla kuuma!
3. Valaisimen saa vaihtaa vain määrättyjä osia käyttäen. Huolto-ohjeet, ks. alkuperäistä käsikirjaa.

7. Käytöstäotto

7.1. Yleisiä ohjeita



VAROITUS !! Sähköiskun vaara

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

7.2. Purkaminen

Verkkopistoke vedetään irti seinäpistorasiasta. Kaikki luvussa 4.2 selostetut tarvikeosat puretaan irti päinvastaisessa järjestyksessä. Vähintään 2 avustajan on pidettävä laitteen yläosasta kiinni.

7.3. Siirtäminen

Laitteen siirtäminen ja jälleenkäyttöön otto suoritetaan luvussa 4 selostetulla tavalla.

7.4. Hävittäminen

Laite annetaan hyväksytyn jätehuoltoliikkeen hävitettäväksi.

8. Varoitukset

Varoitukset, olivatpa ne sitten tekstin tai kuvien, etiketin, painannan ja/tai näiden käyttöohjeiden muodossa, kuluvat luonnostaan käytössä. Käyttäjä vastaa siitä, että ne ovat paikallaan ja luettavassa kunnossa.

Vialliset tai puuttuvat varoitukset on korvattava heti uusilla. Ota tarvittaessa yhteyttä myyntiliikkeeseen.

Käyttöohjeita on ehdottomasti säilytettävä luotettavassa paikassa myöhempää käyttöä varten!

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1. Premessa

Queste istruzioni d'uso valgono per videogames da bacheca, con comando in piedi e a sedere. Per i numeri dei pezzi di ricambio, per le istruzioni di riparazione e per gli interventi di regolazione si veda il manuale originale fornito insieme all'apparecchio. In caso di incertezza, in particolar modo in caso di problemi di comprensione di tipo linguistico o di difficoltà di qualunque altro tipo rivolgersi necessariamente al proprio rivenditore di fiducia!

Ci si riserva il diritto di apportare modifiche dei contenuti nelle versioni future del presente manuale.

Dichiarazione di conformità CE

Il presente apparecchio soddisfa le direttive e gli standard europei di sicurezza. Esso non rientra nella categoria della direttiva macchine.

2. Indicazioni di sicurezza

2.1. Definizione dei concetti



AVVERTENZA !! La mancata osservanza delle indicazioni di sicurezza può condurre a infortuni o a lesioni mortali.

2.2. Note generali

Gli interventi all'interno dell'apparecchio devono essere eseguiti esclusivamente da un elettricista specializzato, in caso contrario persiste il pericolo di infortunio o di danno permanente all'apparecchio. Ne conseguirebbero costose riparazioni, la sostituzione di componenti di sistema cosiccome l'estinzione di qualsiasi garanzia.

Gli interventi di riparazione e di installazione devono essere eseguiti esclusivamente da un elettricista specializzato. I lavori di servizio e assistenza solamente da personale addestrato. Il proprietario del presente apparecchio deve assicurarsi che tutto il personale addetto alla posa, alla messa in esercizio, alla manutenzione cosiccome alla riparazione dell'apparecchio sia adeguatamente specializzato e che prima di procedere ad effettuare gli interventi di cui sopra abbia letto e compreso le indicazioni di sicurezza e i relativi capitoli del manuale.

Il manuale d'istruzioni va conservato in un luogo sicuro per l'uso futuro!

In caso di uso errato, impiego non corrispondente alla destinazione dell'apparecchio e in caso di intervento sull'apparecchio stesso non si risponde per incidenti, lesioni o danni derivanti. Interventi o modifiche di propria iniziativa sull'apparecchio sono espressamente vietate per motivi di sicurezza.

In caso di ulteriori quesiti o per maggiori informazioni rivolgetevi al vostro rivenditore.

È assolutamente necessario rispettare le indicazioni di sicurezza! Ne va della vostra sicurezza.

2.3. Indicazioni di sicurezza fondamentali

L'apparecchio può essere fatto funzionare solamente se la messa in posa è avvenuta esattamente in conformità a quanto contenuto nel manuale.

La tensione e la frequenza di esercizio dell'apparecchio devono corrispondere alla tensione e alla frequenza della rete elettrica. Per i dati elettrici si veda la targhetta di omologazione situata sul retro dell'apparecchio. Collegare l'apparecchio esclusivamente ad una presa elettrica regolarmente installata, protetta e collegata a terra.

La messa in posa e la messa in esercizio vanno effettuate esclusivamente all'interno di locali chiusi ed asciutti! L'apparecchio deve essere utilizzato esclusivamente a fini commerciali.

Gli adesivi di avvertenza danneggiati o mancanti devono essere immediatamente rimpiazzati con adesivi nuovi.



AVVERTENZA !! Pericolo di implosione del tubo catodico e del neon.

L'apparecchio va messo in posa solamente su pavimentazioni stabili e sufficientemente portanti, se necessario fissandovelo. La caduta dell'apparecchio può causare l'implosione del tubo catodico o del neon. Le schegge derivanti dall'implosione possono arrecare serie lesioni personali.



AVVERTENZA !! Pericolo di folgorazione

Prima di aprire l'apparecchio staccare SEMPRE la spina dalla presa di corrente! Non toccare mai la spina con mani bagnate. La parete posteriore dell'apparecchio può essere aperta esclusivamente da un elettricista specializzato. All'interno dell'apparecchio sono presenti alte tensioni su parti esposte e accessibili, anche dopo aver staccato la spina dell'apparecchio e che possono provocare la morte o serie lesioni personali.



AVVERTENZA !! Pericolo di incendio

Sostituire i fusibili danneggiati solamente con i fusibili prescritti. Mai ostruire le fessure di aerazione del videogame. Non esporre l'apparecchio a temperature ambientali superiori ai 40 °C, Non sovraccaricare i cavi di alimentazione o il circuito elettrico.

In caso di difetto estrarre subito la spina elettrica dalla presa della corrente e far eseguire l'intervento di riparazione esclusivamente da un elettricista specializzato. Tirare solo facendo forza sulla spina elettrica e non sul cavo.

Durante la ricerca di un malfunzionamento non estrarre o infilare mai dei connettori all'interno dell'apparecchio con l'apparecchio ancora sotto tensione. Tutti gli interventi vanno sempre eseguiti senza tensione!

Utilizzare esclusivamente ricambi originali.

La mancata osservazione delle indicazioni sopra riportate significa pericolo di morte!

3. Verifica dell'apparecchio

3.1. Controllo dopo la fornitura

Verificare subito dopo la fornitura che l'apparecchio sia in ordine e che non presenti danni. Annotare i danni visibili sulle bolle di spedizione del trasportatore o farne comunicazione subito dopo il ricevimento dell'apparecchio, in modo da assicurarsi il diritto di rivendicazione.

Aprire l'apparecchio e verificare la correttezza dei vari collegamenti dei gruppi costruttivi e dei connettori.

Estrarre il materiale di montaggio fornito insieme all'apparecchio dall'interno dell'apparecchio stesso o dalla cassetta della cassa.

Se la spina elettrica non corrisponde alla norma utilizzata localmente utilizzare una spina adatta collegandola al cavo di alimentazione.



AVVERTENZA !! Pericolo di folgorazione

Il collegamento della spina elettrica deve essere effettuato esclusivamente da un elettricista specializzato. In caso di mancata osservazione di tale regola mettete a rischio la vostra vita e la vita degli altri.

Se presente, estrarre dalla confezione la testata o il sedile. Il loro montaggio va effettuato solamente sul luogo di posa, altrimenti essi si potrebbero danneggiare durante il trasporto.

4. Trasporto, montaggio e messa in esercizio

4.1. Scelta del luogo di montaggio e trasporto

La posa e la messa in esercizio vanno effettuate esclusivamente all'interno di locali chiusi ed asciutti. La posa e l'erezione dell'apparecchio all'aperto o in locali bagnati o umidi non è assolutamente consentita. Delle infiltrazioni di umidità possono causare lesioni personali per folgorazione o causare malfunzionamenti interni dell'apparecchio.

Verificare prima di effettuare il trasporto quali sono le vie di accesso e le possibilità di trasporto disponibili sul luogo di montaggio dell'apparecchio. In caso di apparecchi dotati di ruote di trasporto fare particolarmente attenzione ai pavimenti inclinati.

Spostare l'apparecchio solamente con l'aiuto di un numero sufficiente di persone. Fare attenzione a lampade sospese ad altezze ridotte.

Appoggiare l'apparecchio su un pavimento piano e sufficientemente portante. Non ostruire le aperture di aerazione situate sul retro dell'apparecchio e mantenere una sufficiente distanza di sicurezza dalla parete (min. 10 cm).

Non piazzare l'apparecchio nelle vicinanze di:

- a) dispositivi di soccorso, come p. es.
 - uscite di emergenza,
 - estintori etc.
- b) serbatoi con sostanze facilmente infiammabili, acqua o sostanze chimiche
- c) sorgenti di calore, come p. es.:
 - caloriferi o radiatori,
 - bocchettoni dell'impianto di condizionamento,
 - vetrine esposte direttamente ai raggi solari etc.

Non esporre l'apparecchio a carichi o a sforzi che potrebbero comprometterne il sicuro funzionamento, come per esempio:

- forti vibrazioni,
- estrema esposizione a polvere e sporco,
- irradiazione solare diretta o calore,
- pioggia od umidità,
- campi magnetici oppure onde radio di elevata intensità

Direttamente sul luogo di posa dell'apparecchio deve essere presente una presa elettrica correttamente installata, collegata a terra e protetta.

Evitare di sovraccaricare il circuito elettrico a cui è collegato l'apparecchio.

Posare il cavo di alimentazione in maniera tale che nessuno vi possa inciampare. Il mancato rispetto di tale indicazione può provocare serie lesioni personali o condurre al danneggiamento del cavo di alimentazione stesso.

Non piegare troppo il cavo di alimentazione nè appoggiarvi sopra oggetti pesanti per non danneggiare il rivestimento isolante del cavo stesso, fatto che comporterebbe il rischio di folgorazione o di cortocircuito con successivo pericolo di incendio.

4.2. Posa e montaggio dell'apparecchio

Posizionare l'apparecchio. Non inserire la spina elettrica subito, ma solamente a posa ultimata!



AVVERTENZA!! Pericolo di implosione del tubo catodico e del neon

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2.3.

4.2.1. Apparecchio video da bacheca

Gli apparecchi video da bacheca vengono forniti già completamente montati. Non è necessario alcun ulteriore montaggio. Assicurarvi che il luogo di montaggio dell'apparecchio sia stabile e sicuro.

4.2.2. Istruzioni di montaggio per l'apparecchio video con comando in piedi e a sedere

Se presente, fissare saldamente all'apparecchio le parti accessorie utilizzando le viti fornite insieme all'apparecchio stesso. Durante il montaggio fare sorreggere la testata da due assistenti e utilizzare una scaletta o uno sgabello. Se presenti, collegare fra di loro gli spinotti delle parti accessorie.

Assicurarsi che i collegamenti dei conduttori di protezione avvengano in maniera corretta e sicura.

Per le istruzioni di montaggio fare riferimento al manuale di istruzioni originale.

In caso di incertezza ricorrere assolutamente all'assistenza del proprio rivenditore.

4.2.2.1. Apparecchio video statico, possibili stati di fornitura

- a) completamente montato e/o
- b) con testata confezionata separatamente (illuminata o non) e/o
- c) con unità di comando confezionata separatamente

4.2.2.2. Apparecchio video a sedere, possibili stati di fornitura

- a-c) come per l'apparecchio con comando in piedi e/o aggiuntivamente
- d) con unità sedile confezionata separatamente

4.3. Messa in esercizio

Se presenti, allineare l'apparecchio con le viti inferiori regolabili in altezza. L'apparecchio deve poggiare sul pavimento in maniera assolutamente stabile. In caso di pavimenti particolarmente lisci montare sotto ai piedi dell'apparecchio dei tamponi di gomma.

Verificare che tutti i gruppi costruttivi e i connettori siano saldamente collegati. In particolare modo lasciare controllare da un elettricista che tutte le parti metalliche toccabili siano correttamente collegate al conduttore di protezione!

Posizionare su spento l'interruttore principale. Inserire la spina solamente dopo che i punti sopraccitati sono stati eseguiti a dovere.

Accendere l'interruttore principale. In caso di rumori anormali, di fumo o di odori inconsueti presenti dopo l'accensione dell'apparecchio estrarre subito la spina elettrica dalla presa di corrente e consultare un elettricista. In caso di incertezza rivolgersi assolutamente al proprio rivenditore.



AVVERTENZA !! Pericolo di incendio

Non tenere assolutamente in funzione l'apparecchio in tali condizioni.

4.4. Impostazioni

Le impostazioni dipendenti dal programma o dal modello sono deducibili dal manuale di istruzioni originale fornito insieme all'apparecchio.

**AVVERTENZA !! Pericolo di folgorazione**

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

In caso di incertezza ricorrere assolutamente all'assistenza del proprio rivenditore.

5. Ispezione, manutenzione e cura**5.1. Indicazioni generali****AVVERTENZA !! Pericolo di folgorazione**

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

Verificare ad intervalli regolari lo stato del cavo di alimentazione. In caso di cavo o di spina elettrica danneggiati mettere subito fuori esercizio l'apparecchio provvedendo a chiamare un elettricista per la sua riparazione.

Verificare assolutamente che i cartellini di avvertenza siano presenti e leggibili, in caso contrario sostituirli (vedere il capitolo 8).

5.2. Manutenzione

L'apparecchio di per sè non richiede alcuna manutenzione.

5.3. Pulizia dell'involucro e dello schermo esterno

1. Spegnerne l'apparecchio e staccare la spina elettrica!
2. Detergere l'involucro e lo schermo esterno con un panno morbido e inumidito (non bagnato) usando un detergente dolce (non usare detergenti contenenti solventi, acidi o sostanze abrasive).

6. Riparazione**6.1. Indicazioni generali****AVVERTENZA !! Pericolo di folgorazione**

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

In caso di difetti dell'apparecchio estrarre subito la spina elettrica dalla presa di corrente e fare eseguire la riparazione da un elettricista. Per le istruzioni di servizio consultare il manuale di istruzioni originale.

In caso di incertezza rivolgersi assolutamente al proprio rivenditore.

6.2. Sostituzione di corpi luminosi difettosi

1. Spegnerne l'apparecchio e staccare la spina!
2. Attenzione, le parti luminose possono essere molto calde!
3. Sostituire le parti luminose solamente con i ricambi prescritti. Per le istruzioni di servizio consultare il manuale di istruzioni originale.

7. Messa fuori esercizio**7.1. Indicazioni generali****AVVERTENZA !! Pericolo di folgorazione**

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

7.2. Smontaggio

Estrarre la spina elettrica. Smontare tutte le parti accessorie in sequenza inversa a quanto riportato nel capitolo 4.2. Fare sorreggere la testata durante lo smontaggio da almeno due assistenti.

7.3. Spostamento

Eseguire lo spostamento e la rimessa in esercizio dell'apparecchio come descritto nel capitolo 4.

7.4. Smaltimento

Fare eseguire lo smaltimento da una ditta specializzata.

8. Avvertenze

Tutte le avvertenze in forma testuale o illustrativa sotto forma di adesivi, scritte e/o sotto forma di istruzioni d'uso sono soggette a naturale usura. Il gestore ha la responsabilità che tali avvertenze siano presenti e che siano sempre leggibili.

Avvertenze danneggiate o mancanti sono da sostituire immediatamente. in caso di necessità contattare il proprio rivenditore.

Conservare assolutamente le istruzioni d'uso in un luogo sicuro per l'uso futuro.

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1. Forord

Denne brukerveiledningen gjelder for bord-, gulv- eller sete-video-spilleautomater. Reservedelsnumre, serviceanvisninger og innstillinger er å finne i den separate original-håndboken. I et tilfelle og spesielt ved problemer med original-håndboken av språklig eller annen type er det absolutt nødvendig å innhente sakkyndig hjelp hos forhandleren!

Rett til endringer i denne håndboken ved nye opplag forbeholdes.

EF-konformitetserklæring

Denne maskinen er i samsvar med de europeiske sikkerhetsdirektivene og standardene. Den faller ikke inn under maskin-direktivet.

2. Sikkerhetsinformasjoner

2.1. Begrepsdefinisjon



ADVARSEL !! Ignorering kan medføre personskader eller skader med døden til følge.

2.2. Generelle forklaringer

Inngrep i maskinen må kun utføres av en elektro-fagmann, ellers er det fare for personskader og alvorlige skader på maskinen. Følgen av dette vil være dyre reparasjoner, utskiftning av systemkomponenter og at garantikrav blir ugyldige.

Installasjons- og reparasjonsarbeider må kun utføres av en elektro-fagmann, servicearbeider kun av opplært personale. Eieren av denne maskinen må påse at alle personer som er involvert i oppstilling, idriftsettelse, vedlikehold, reparasjon og service av denne maskinen er tilsvarende kvalifisert og har lest og forstått de nødvendige sikkerhetsinformasjonene og de tilhørende kapitlene i håndboken før arbeidene påbegynnes.

Brukerveiledningen må under enhver omstendighet oppbevares på et sikkert sted for senere bruk!

Ved usakkyndig håndtering, ikke korrekt anvendelse og egenmektige ombygginger bærer produsenten intet ansvar for ulykker, personskader og materielle skader! Av sikkerhetsmessige årsaker er egenmektige ombygginger og forandringer på automaten strengt forbudt.

Ta kontakt med forhandleren hvis du har spørsmål eller i et tilfelle.

Sikkerhetsinformasjonene må følges nøye! Det dreier seg om din sikkerhet.

2.3. Prinsipielle sikkerhetsinformasjoner

Maskinen må kun settes i drift hvis oppstillingen er utført forskriftsmessig og i samsvar med håndboken.

Maskinens driftsspenning og -frekvens må stemme overens med nettspenningen og -frekvensen. Elektriske data: se typeskiltet på maskinens bakside. Maskinen må kun koples til en forskriftsmessig installert, sikret og jordet stikkontakt.

Oppstilling og idriftsettelse må kun foretas i lukkede, tørre rom! Maskinen må kun benyttes til næringsmessige formål.

Skadede eller manglende advarsler på maskinen skal erstattes omgående.



ADVARSEL !! Implosjonsfare for billedrøret og neonrørene

Oppstilling må kun foretas på stabil, bæredyktig grunn, maskinen må eventuelt befestiges. Hvis maskinen faller, kan dette medføre implosjon av billed- eller neonrørene. Glassplinter som slynges bort kan medføre alvorlige personskader.



ADVARSEL !! Fare for elektrisk støt

Før maskinen åpnes må ALLTID nettstøpselet trekkes ut av stikkkontakten! Berør aldri nettstøpselet med våte hender. Maskinens bakvegg må kun åpnes av en elektro-fagmann. I maskinens indre er det livsfarlig høyspenning som kan berøres og som også foreligger etter at nettstøpselet er frakoplet. Ignorering kan føre til døden eller til alvorlige personskader.



ADVARSEL !! Brannfare

Sikringer må kun byttes ut mot foreskrevne sikringer. Ventilasjonsslissene i spilleautomaten må aldri blokkeres. En omgivelsestemperatur på 40°C må ikke overskrides. Nettstrømkretsen og tilførselsledningene må ikke overbelastes.

Ved en defekt skal nettstøpselet omgående trekkes ut av stikkkontakten og en reparasjon kun utføres av en elektro-fagmann. Trekk kun i støpselet, ikke i kabelen.

Ved feilsøking må aldri pluggforbindelser i maskinens indre frakoples eller tilkoples under spenning. Reparasjoner skal prinsipielt kun utføres i spenningsløs tilstand!

Det må kun benyttes original-reservedeler.

Ignorering av punktene ovenfor kan være livsfarlig!

3. Kontroll av maskinen

3.1. Kontroll etter levering

Direkte ved levering skal maskinen kontrolleres med hensyn til transportskader. Synlige skader skal noteres på spedisjonspapirene til speditøren som leverer maskinen eller meldes umiddelbart etter at produktet er mottatt, slik at kravene du har er sikret.

Åpne maskinen og kontrollér samtlige komponentgrupper og pluggforbindelser med hensyn til om de sitter korrekt.

Medpakket montasjemateriale skal fjernes fra maskinens indre eller fra kasseboksen.

Hvis nettstøpselet som er levert ikke tilsvarer de foreskrevne bestemmelser i vedkommende land, skal et passende nettstøpsel koples til nettkabelen.



ADVARSEL !! Fare for elektrisk støt

Nettstøpselet må kun tilkoples av en elektro-fagmann. Ved ignorering utsetter du deg selv og andre for fare!

Hvis en slik foreligger, skal den separate hodedelen eller seteenheten taes ut av emballasjen. Disse delene må først monteres på oppstillingsstedet, ellers er det fare for skader under transporten.

4. Transport, oppstilling og idriftsettelse

4.1. Valg av oppstillingssted og transport

Oppstilling og idriftsettelse må kun finne sted i lukkede, tørre rom! Oppstilling utendørs eller i fuktige/våte rom er strengt forbudt. Fuktighet som trenger inn i maskinen kan føre til ulykker grunnet elektrisk støt og til feil i maskinen. Unngå direkte solstråling.

Gå gjennom transportveier og -muligheter på oppstillingsstedet før transport. For maskiner med transporttrinser må man være spesielt forsiktig hvis grunnen heller.

Maskinen må kun bevegges ved hjelp av et tilstrekkelig antall personer. Utvis forsiktighet ved belysningsutstyr som henger lavt.

Maskinen skal stilles opp på jevn, bæredyktig grunn. Ventilasjonsåpningene på maskinens bakside må ikke tildekkes. Hold tilstrekkelig avstand til vegg (min. 10 cm).

Ikke plassér maskinen i nærheten av:

- a) Livreddende innretninger, som f.eks.
 - nødutganger,
 - brannslukningsapparater etc.
- b) Beholdere med lett antennelige stoffer, vann eller kjemikalier,
- c) Varmekilder, som f.eks.
 - varmovner,
 - åpninger i klimaanlegg,
 - vinduer med direkte solstråling etc.

Maskinen må ikke utsettes for belastninger som kan medføre funksjonsforstyrrelser eller defekter, som f.eks.

- sterk vibrasjon,
- ekstrem støv- eller smussbelastning,
- direkte solstråling eller varme,
- regn eller fuktighet,
- sterk magnetisme eller radiobølger.

Direkte på maskinens oppstillingssted må det befinne seg en forskriftsmessig installert, jordet og sikret netstikkontakt.

Strømkretsen som maskinen koples til må ikke overbelastes.

Nettkabelen skal legges på en slik måte at ingen kan snuble i den. Ignorering kan medføre alvorlige personskader eller skader på kabelen.

Nettkabelen må ikke legges i skarp bøy og det må ikke settes tunge gjenstander på den, ellers kan isolasjonen skades, noe som kan føre til berørbar spenning, kortslutning og dermed brann.

4.2. Oppstilling og montasje av maskinen

Plassér maskinen. Ikke stikk i nettstøpselet ennå, første etter at oppstillingen er avsluttet!



ADVARSEL !! Implosjonsfare for billedrøret og neonrørene

Det er absolutt nødvendig å overholde sikkerhetsinstruksene i kapittel 2.3.

4.2.1. Video-bordmaskiner leveres i komplett montert tilstand. Ingen ytterligere montasjearbeider er nødvendige. Sørg for et sikkert oppstillingssted!

4.2.2. Montasjeinstrukser video-gulvmaskin og video-setemaskiner

Hvis slike finnes, skal separate tilbehørsdeler festes sikkert til maskinen ved hjelp av skruene som er medlevert. Hodedelen skal sikres ved hjelp av minst 2 medhjelpere under montasjen. Oppstigningshjelp, f.eks. stige eller trapp, skal benyttes. Hvis slike finnes, skal tilbehørsdelenes pluggforbindelser plugges i.

Opprett jordlederforbindelsene på en sikker måte.

Montasjeinstrukser er å finne i original-håndboken.

I et tvilstilfelle er det absolutt nødvendig å innhente sakkyndig hjelp hos forhandleren!

4.2.2.1. Video-gulvmaskin, mulige leveringsformer:

- a) komplett montert og/eller
- b) med separat pakket hodedel (belyst eller ikke belyst) og/eller
- c) med separat pakket betjeningsenhet

4.2.2.2. Video-setemaskin, mulige leveringsformer:

- a-c) som video-gulvmaskin og/eller i tillegg
- d) med separat pakket seteenhet

4.3. Idriftsettelse

Hvis slike finnes, skal maskinen nivelleres eksakt ved hjelp av de høydejusterbare fotskruene. Maskinen må stå absolutt fast på grunnen. Ved glatte gulv skal det benyttes gummihefter under maskinens føtter.

Alle komponentgrupper og pluggforbindelser skal kontrolleres med hensyn til om de sitter godt. Spesielle jordlederforbindelser for alle berørbare metalldeler skal kontrolleres av en elektro-fagmann med hensyn til om de sitter godt!

Slå av hovedbryteren. Nettstøpselet skal først tilkoples etter at alle punktene ovenfor er kontrollert.

Slå på hovedbryteren. Ved unormale lyder, røyk eller uvanlig lukt etter innkopling, skal nettstøpselet frakoples stikkontakten øyeblikkelig og en elektro-fagmann konsulteres. I et tvilstilfelle er det absolutt nødvendig å ta kontakt med forhandleren.



ADVARSEL !! Brannfare

Ikke under noen omstendigheter må den defekte maskinen fortsette å være i drift i denne tilstanden.

4.4. Innstillinger

Program- hhv. modellrelaterte innstillinger er oppført i den medleverte original-håndboken.



ADVARSEL !! Fare for elektrisk støt

Det er absolutt nødvendig å overholde sikkerhetsinstruksene i kapittel 2.

I et tvilstilfelle er det absolutt nødvendig å innhente sakkyndig hjelp hos forhandleren!

5. Inspeksjon, vedlikehold og pleie

5.1. Generelle informasjoner



ADVARSEL !! Fare for elektrisk støt

Det er absolutt nødvendig å overholde sikkerhetsinstruksene i kapittel 2.

Nettkabelens tilstand skal kontrolleres med regelmessige mellomrom. Hvis kabelen eller nettstøpselet er skadet, skal maskinen omgående settes ut av drift og repareres av en elektro-fagmann.

Det er absolutt nødvendig å kontrollere advarselene med hensyn til om de foreligger og er leselige, om nødvendig må de skiftes ut (se kapittel 8).

5.2. Vedlikehold

Selve maskinen er vedlikeholdsfri.

5.3. Rengjøring av huset og av den ytre skjermen

1. Slå av maskinen og kople fra nettstøpselet!
2. Rengjør huset og den ytre skjermen med en myk, fuktet (ikke våt) klut og mildt rengjøringsmiddel (det må ikke benyttes løsemiddel-, syre- eller skuremiddelholdige rengjøringsmidler).

6. Service

6.1. Generelle informasjoner



ADVARSEL !! Fare for elektrisk støt

Det er absolutt nødvendig å overholde sikkerhetsinstruksene i kapittel 2.

Ved en defekt skal nettstøpselet øyeblikkelig frakoples stikkontakten og reparasjonen skal kun utføres av en elektro-fagmann. Se serviceinstrukser i original-håndboken.

I et tvilstilfelle er det absolutt nødvendig å innhente sakkyndig hjelp hos forhandleren!

6.2. Utskiftning av defekte belysningslegemer

1. Slå av maskinen og kople fra nettstøpselet!
2. Forsiktig, belysningslegemet kan være varmt!
3. Belysningslegemet må kun skiftes ut mot foreskrevne deler. Se serviceinstrukser i original-håndboken.

7. Maskinen settes ut av drift

7.1. Generelle informasjoner



ADVARSEL !! Fare for elektrisk støt

Det er absolutt nødvendig å overholde sikkerhetsinstruksene i kapittel 2.

7.2. Demontasje

Nettstøpselet frakoples. Alle tilbehørsdeler som er beskrevet i kapittel 4.2 skal demonteres i omvendt rekkefølge. Sikre hodedelen under demontasjonen ved hjelp av minst 2 medhjelpere.

7.3. Flytting

Omtransport og gjenidriftsettelse utføres som beskrevet i kapittel 4.

7.4. Avfallsbehandling

Maskinen skal avfallsbehandles av et godkjent spesialfirma.

8. Advarsler

Advarsler, i tekst eller bilder, som klistremerker, påtrykt og/eller i form av denne brukerveiledningen, er selvsagt utsatt for slitasje. Operatøren bærer ansvaret for at disse foreligger og alltid er i leselig stand.

Skadede eller manglende advarsler skal erstattes omgående. Ta om nødvendig kontakt med forhandleren.

Bruerveiledningen må under enhver omstendighet oppbevares på et sikkert sted for senere bruk!

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1. Voorwoord

Deze gebruiksaanwijzing geldt voor videospeelautomaten op de balie, standautomaten en automaten met zitplaats. Reserveonderdeelnummers, serviceaanwijzingen en instellingen, zie apart bijgesloten origineel handboek. In geval van twijfel vooral ook bij problemen met het begrijpen van de taal of andere problemen met het originele handboek in elk geval de vakkundige hulp van uw dealer inroepen

EG-verklaring van overeenstemming

Dit toestel voldoet aan de veiligheidsrichtlijnen en standaards. Het apparaat valt niet onder de machinerichtlijn.

2. Veiligheidsaanwijzingen

2.1. Begripsbepaling



WAARSCHUWING!! Niet-inachtneming kan personenschade of dodelijk letsel ten gevolg hebben.

2.2. Algemene toelichting

Ingrepen aan het apparaat alleen door elektriciën anders bestaat er gevaar voor letsel alsmede gevaar voor een duurzame beschadiging.

Het gevolg hiervan zijn dure reparaties, vervanging van systeemcomponenten, vervallen van de aanspraak op garantie.

Installatie- en reparatiewerkzaamheden mogen alleen door een elektriciën, servicewerkzaamheden alleen door opgeleid personeel plaatsvinden. De eigenaar van het toestel moet ervoor zorgen dat alle personen die met de opstelling, inbedrijfstelling, onderhoud, reparatie en instandhouding van het apparaat te maken hebben, overeenkomstig gekwalificeerd zijn en voor het begin van het werk de noodzakelijke veiligheidsinstructies en de bijbehorende hoofdstukken van het handboek gelezen en begrepen hebben.

De gebruiksaanwijzing absoluut op een veilige plaats voor later gebruik bewaren.

Bij onvakkundig hanteren, niet-reglementaire toepassing en eigenmachtige verbouwingen bestaat er geen aanspraak voor ongevallen, letsel en beschadigingen. Eigenmachtige verbouwingen en veranderingen van de automaat zijn om veiligheidsredenen uitdrukkelijk verboden.

Bij verdere vragen of in geval van twijfel contact met uw dealer opnemen.

De veiligheidsaanwijzingen moeten streng worden nageleefd. Het gaat om uw veiligheid.

2.3. Principiële veiligheidsaanwijzingen

Het apparaat mag alleen in werking gesteld worden wanneer de opstelling volgens de voorschriften en in overeenstemming met het handboek heeft plaatsgevonden.

Bedrijfsspanning en frequentie van het apparaat moet overeenstemmen met de netspanning en -frequentie. Elektrische gegevens zie typeplaatje op de achterzijde van het toestel. Apparaat alleen op behoorlijk geïnstalleerd, beveiligd en geaard stopcontact aansluiten.

Opstelling en inbedrijfstelling alleen in gesloten, droge ruimten. Apparaat mag alleen commercieel worden toegepast.

Beschadigde of ontbrekende waarschuwingaanwijzingen op het toestel moeten onmiddellijk worden vervangen.



WAARSCHUWING!! Implosiegevaar van de beeldbuizen en neonbuizen

Opstelling alleen op stabiele draagkrachtige ondergrond evt. bevestigen. Omvallen toestel kan de implosie van beeldbuizen of neonbuizen ten gevolg hebben. Rondvliegende glasscherven kunnen ernstig letsel veroorzaken.



WAARSCHUWING!! Gevaar door elektrische schokken

Voor het openen van het apparaat altijd de stekker uit het stopcontact trekken! Stekker nooit met natte handen aanraken. Achterwand van het toestel mag alleen door een elektricien geopend worden. Levensgevaarlijke aanraakbare hoogspanning in het inwendige van het toestel die ook na het eruit trekken van de stekker aanwezig zijn. Niet-inachtneming kan dodelijk of ernstig letsel veroorzaken.



WAARSCHUWING!! Brandgevaar

Zekeringen alleen door voorgeschreven zekeringen vervangen. Ventilatiesleuven van de speelautomaat nooit blokkeren. De omgevingstemperatuur mag 40°C niet overschrijden. Stroomcircuit en toevoerleidingen niet overbelasten.

Bij defect onmiddellijk de stekker uit het stopcontact trekken en reparatie alleen door elektriciens laten uitvoeren. Alleen aan de stekker, niet aan het snoer trekken.

Steekverbindingen in het inwendige van het toestel, in het geval van het zoeken naar een fout nooit onder spanning eruit trekken of erop steken. Reparatie principieel in spanningsloze toestand!

Alleen originele reserveonderdelen gebruiken.

Niet opvolgen van de bovengenoemde punten kan levensgevaarlijk zijn.

3. Controle van het toestel

3.1. Controle na de levering

Apparaat direct na de levering op transportschade onderzoeken. Zichtbare beschadigingen op de leverantiebewijs van de leverende expediteur noteren of direct na ontvangst van de goederen melden om uw aanspraken veilig te stellen.

Toestel openen en alle bouwgroepen en steekverbindingen op correct zitten controleren. Bijgesloten montagemateriaal uit het inwendige van het toestel of de kassabox nemen. Wanneer de stekker niet overeenkomt met de in het desbetreffende land voorgeschreven norm, de passende stekker aan de netkabel aansluiten.



WAARSCHUWING!! Gevaar door elektrische schokken

Aansluiten van de netstekker alleen door erkende elektriciens. Bij niet-inachtneming brengt u zichzelf en anderen in gevaar.

Indien aanwezig, apart hoofdgedeelte of ziteenheid uit de verpakking nemen. Montage van deze delen pas op de opstellingsplaats, anders evt. beschadiging tijdens het transport.

4. Transport, opstelling en inbedrijfstelling

4.1. Keuze van de opstellingsplaats en transport

Opstelling en inbedrijfstelling alleen binnen gesloten, droge ruimten! Opstelling in de open lucht of in vochtige/natte ruimten is streng verboden. Binnendringend vocht kan ongevallen door elektrische schokken of fouten in het apparaat veroorzaken. Directe zonbestraling vermijden.

Transportwegen en -mogelijkheden op de opstellingsplaats voor het transport controleren. Bij apparaten met transportrollen bijzonder voorzichtig te werk gaan bij hellende ondergrond.

Apparaat alleen met voldoende aantal personen bewegen. Voorzichtig bij lager hangende verlichtingselementen.

Apparaat op gelijkmatige draagkrachtige ondergrond plaatsen. Ventilatieopeningen aan de achterzijde van het toestel niet blokkeren. Voldoende wandafstand (min. 10 cm) aanhouden.

Apparaat niet in de nabijheid van:

- a) levensreddende inrichtingen zoals bijv.
 - nooduitgangen
 - brandblussers enz.
- b) containers met licht ontvlambare stoffen, water of chemicaliën
- c) warmtebronnen zoals bijv.
 - verwarmingselementen
 - openingen van airconditioning
 - etalages met directe zonnebestraling enz.

plaatsen.

Apparaat niet blootstellen aan belasting die tot functiestoring of defect leidt zoals bijv. sterke vibratie

- extreme stof- of vuilbelasting
- directe zonnebestraling of hitte
- regen of vochtigheid
- sterk magnetisme of radiogolven

Direkt op de opstellingsplaats van het toestel moet een behoorlijk geïnstalleerd, geaard, beveiligd stopcontact aanwezig zijn.

Het stroomcircuit waaraan het apparaat is aangesloten, niet overbelasten.

Netkabel zodanig leggen dat niemand erover struikelt. Niet-inachtneming kan ernstig letsel of beschadiging van het kabel ten gevolg hebben.

Netkabel niet scherp knikken of zware voorwerpen erop zetten anders beschadiging van de isolatie met als mogelijk gevolg aanraakbare netspanning, kortsluiting en daardoor brand.

4.2. Opstelling en montage

Apparaat plaatsen, stekker er niet insteken, pas nadat de opstelling afgesloten is.



WAARSCHUWING!! Implosiegevaar van de beeldbuis en neonbuizen

Absoluut de veiligheidsaanwijzingen in hoofdstuk 2.3 inachtnemen.

4.2.1. Video-baliestoestellen worden compleet gemonteerd geleverd. Geen verdere montage noodzakelijk. Voor veilige standplaats zorgen.

4.2.2. Montageaanwijzingen voor video-standtoestel en videotoestel met zitplaats

Wanneer aanwezig, aparte accessoires veilig met de in het bijgesloten pak aanwezige schroeven aan het apparaat bevestigen. Hoofdgedeelte tijdens de montage door tenminste twee hulpkrachten laten beveiligen, opstapje bijv. ladder of trapje gebruiken. indien aanwezig, steekverbindingen van de accessoires erop steken.

Veiligheidsaarddraadverbindingen veilig tot stand brengen.

Montage-aanwijzingen, zie origineel handboek.

In geval van twijfel in elk geval de vakkundige hulp van uw dealer gebruiken.

4.2.2.1. Video-standtoestel, levervorm

- a) compleet gemonteerd en/of
- b) met apart ingepakt hoofdgedeelte (verlicht of niet verlicht) en/of
- c) met apart verpakte bedieningseenheid

4.2.2.2. Videotoestel met zitplaats, mogelijke levervormen

- a-c) net als video-standtoestel en/of extra
- d) met apart verpakte ziteenheid

4.3. Inbedrijfstelling

Indien aanwezig, met hoogte verstelbare voetschroeven het toestel precies nivelleren. Het toestel moet absoluut stevig op de ondergrond staan. Bij gladde vloerbedekking rubberen doppen onder de voeten van het toestel gebruiken.

Alle bouwgroepen en steekverbindingen op vast zitten controleren. Bijzonder verbindingen van veiligheidsaarddraad van alle aanraakbare metalen onderdelen door een elektricien op vast zitten laten controleren.

Hoofdschakelaar uitschakelen. Stekker pas na het controleren van alle bovengenoemde punten erin steken.

Hoofdschakelaar inschakelen. Bij niet normaal geluid, rook of ongewone geur na het inschakelen onmiddellijk de stekker uit het stopcontact trekken en elektricien te hulp roepen. In geval van twijfel in elk geval contact opnemen met uw dealer.



WAARSCHUWING!! Brandgevaar

Het toestel in geen geval in defecte toestand gebruiken

4.4. Instellingen

Instellingen m.b.t. het programma c.q. model staan vermeld in het bijgesloten originele handboek.



WAARSCHUWING!! Gevaar door elektrische schokken

In elk geval de veiligheidsinstructies in hoofdstuk 2 inachtnemen

In geval van twijfel in elk geval de vakkundige hulp van uw dealer inroepen.

5. Inspectie, onderhoud en behandeling

5.1. Algemene aanwijzingen



WAARSCHUWING!! Gevaar door elektrische schokken

In elk geval de veiligheidsinstructies in hoofdstuk 2 inachtnemen

Toestand van de stekker regelmatig controleren. Bij beschadigde kabel of netstekker apparaat onmiddellijk buiten werking stellen en door elektricien laten repareren.

In elk geval de waarschuwingsaanwijzingen op aanwezig zijn en leesbaarheid controleren evt. vervangen (zie hoofdstuk 8).

5.2. Onderhoud

Het apparaat zelf is onderhoudsvrij.

5.3. Reinigen van het huis en het buitenste beeldscherm

1. Toestel uitschakelen en stekker eruit trekken.
2. Huis en buitenste beeldscherm met zachte vochtige doek (niet nat) en mild reinigingsmiddel reinigen (geen oplosmiddel-, zuur- of schuurmiddelhoudende reinigingsmiddelen gebruiken).

6. Service

6.1. Algemene aanwijzingen



WAARSCHUWING!! Gevaar door elektrische schokken

In elk geval de veiligheidsinstructies in hoofdstuk 2 inachtnemen

Bij defect netstekker er onmiddellijk uittrekken en reparatie door elektriciens laten uitvoeren. Serviceaanwijzingen, zie origineel handboek.

In geval van twijfel in elk geval de vakkundige hulp van uw dealer inroepen.

6.2. Vervanging van defecte verlichtingselementen

1. Toestel uitschakelen en stekker eruit trekken.
2. Voorzichtig, verlichtingselement kan heet zijn.
3. Verlichtingselementen alleen door voorgeschreven onderdelen vervangen. Serviceaanwijzingen, zie origineel handboek.

7. Buitenwerkingstelling

7.1. Algemene aanwijzingen



WAARSCHUWING!! Gevaar door elektrische schokken

In elk geval de veiligheidsinstructies in hoofdstuk 2 inachtnemen

7.2. Demontage

Stekker eruit trekken. Alle in hoofdstuk 4.2. beschreven originele accessoires in omgekeerde volgorde demonteren. Hoofdgedeelte tijdens de demontage door tenminste twee hulpkrachten laten beveiligen.

7.3. Verplaatsing

Verplaatsing en hernieuwde inbedrijfstelling uitvoeren zoals beschreven in hoofdstuk 4.

7.4. Als afval verwijderen

Door toegelaten vakbedrijven laten verwijderen.

8. Waarschuwingen

Waarschuwingaanwijzingen in de tekst of afbeelding opschrift en /of in vorm van deze gebruiksaanwijzing zijn onderhevig aan natuurlijke slijtage. De exploitant draagt de verantwoordelijkheid dat deze aanwezig en leesbaar zijn.

Beschadigde of ontbrekende aanwijzingen moeten onmiddellijk worden vervangen. Neem indien noodzakelijk contact op met uw dealer.

Gebruiksaanwijzing in elk geval op een veilige plaats voor later gebruik bewaren.

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1. Introdução

Estas instruções de serviço são válidas para as máquinas de jogo-vídeo para parede e de consola, com e sem assento. Ver no manual de origem fornecido as indicações relativas a peças sobresselentes, instruções de manutenção e regulação do equipamento. Em caso de dúvida na leitura do manual de origem, por dificuldade de compreensão linguística ou outra, solicitar a ajuda do fornecedor impreterivelmente!

O direito da alteração deste manual por nova edição é mantido.

Declaração conforme as leis vigentes na CE

Este equipamento está conforme as directivas de segurança e normas europeias. Não é abrangido pelas directivas comunitárias para máquinas.

2. Instruções de segurança

2.1. Conceito



AVISO !!

A não observância destas instruções pode provocar danos físicos ou ferimentos mortais.

2.2. Esclarecimento geral

O manuseamento do aparelho deve ser efectuado unicamente por pessoal especializado em electricidade, sob pena de perigo de ferimentos ou danos físicos permanentes. Como consequência ter-se-ão reparações mais caras, substituição de componentes do sistema e perda do direito à garantia.

Os trabalhos de instalação e reparação só devem ser efectuados por electricista especializado, os trabalhos de assistência por pessoal com formação adequada. O proprietário deste aparelho deve assegurar-se que qualquer trabalho de montagem, ligação, manutenção, reparação e conservação do equipamento é efectuado por pessoal qualificado que antes do início dos trabalhos leu e compreendeu as necessárias medidas de segurança e os capítulos do manual respeitantes às tarefas a efectuar.

As instruções de serviço devem ser colocadas impreterivelmente em local seguro para utilização futura.

Em caso de manuseamento impróprio, utilização contrária ao determinado ou reconstrução arbitrária, não é assumida qualquer responsabilidade em caso de acidente, ferimento ou prejuízo. Reconstrução arbitrária ou alteração dos equipamentos são proibidas por razões de segurança.

Para mais esclarecimentos ou em caso de dúvida contactar o fornecedor.

As normas de segurança são para serem exactamente cumpridas ! Está em jogo a sua segurança.

2.3. Instruções de segurança elementares

O equipamento só deve ser posto em serviço depois de montado e verificado cuidadosamente segundo as indicações do manual.

A tensão e frequência de serviço para o aparelho devem corresponder à tensão e frequência da rede. Os dados eléctricos encontram-se na chapa na parte de trás do equipamento. O aparelho só deve ser ligado a uma tomada de corrente bem instalada, protegida e ligada à terra.

A colocação e utilização do equipamento só devem ser efectuadas em quarto fechado e seco. O equipamento só pode ser utilizado industrialmente.

As chapas de aviso devem ser imediatamente substituídas em caso de danos ou de falta.



AVISO !! Perigo de implosão do tubo de raios catódicos e das lâmpadas de néon

Instalar e segurar o equipamento só em superfície estável e com capacidade de carga apropriada. Um equipamento instável pode provocar a implosão do tubo de raios catódicos ou das lâmpadas de néon. Os pedaços de vidro resultantes da implosão podem provocar ferimentos muito graves.



AVISO !! Perigo de choque eléctrico

Antes de abrir o equipamento, retirar sempre a ficha da tomada eléctrica. Nunca mexer na tomada com as mãos húmidas. O painel anterior só deve ser aberto por um electricista especializado. A alta tensão remanescente que permanece no interior do equipamento mesmo depois de desligado é mortal. A falta de atenção pode provocar ferimentos graves ou mortais.



AVISO !! Perigo de incêndio

A protecção eléctrica só pode ser substituída pela recomendada. As aberturas de respiração do aparelho nunca devem ser bloqueadas. A temperatura ambiente não deve ultrapassar os 40°C. As cargas da rede e dos condutores não devem ser sobrecarregadas.

Em caso de avaria, retirar imediatamente a tomada da ficha e efectuar a reparação só por electricista especializado. Puxar pela ficha, nunca pelo cabo.

Na pesquisa da avaria, nunca ligar ou desligar em tensão as fichas internas do equipamento. Por princípio, a reparação deve ser efectuada sem corrente!

Utilizar unicamente peças sobresselentes originais.

O não cumprimento das regras acima descritas pode ter consequências mortais!

3. Controlo do equipamento

3.1. Controlo depois da entrega

A pesquisa de danos de transporte deve ser efectuada imediatamente após a sua recepção. Anotar imediatamente na folha de carga da transportadora os danos visíveis ou durante o acto de recepção, para assegurar os seus direitos.

O equipamento deve ser aberto e todos os elementos de construção e fichas de ligação verificados no respeito à rigidez de montagem.

Retirar do interior do equipamento ou caixa adjunta os materiais de montagem complementares.

No caso da ficha eléctrica não corresponder às normas existentes no país de destino, montar uma ficha apropriada no cabo de ligação.



AVISO !! Perigo de choque eléctrico

Só um electricista especializado deve montar a ficha. O não cumprimento desta medida de segurança põe em perigo você e os outros!

Caso exista, retirar a parte superior e o assento da embalagem. Fazer a montagem destes só no local escolhido, pois podem-se danificar durante o transporte.

4. Transporte, Instalação e Colocação em funcionamento

4.1. Escolha do local e transporte

A colocação e utilização do equipamento só em quarto fechado e seco. A colocação ao ar livre ou em ambiente húmido ou molhado é estritamente proibida. A existência de humidade

no interior do equipamento pode provocar acidentes através de choque eléctrico ou erros de funcionamento do aparelho. Evitar os raios solares directos.

Verificar primeiro o caminho e o lugar de colocação. Com equipamentos providos com rodas de transporte, tomar especial atenção a caminhos íngremes.

Deslocar o equipamento utilizando o número de pessoas necessárias. Tomar atenção com a existência de lâmpadas baixas.

Colocar o equipamento em superfície nivelada e de carga apropriada. Não tapar as aberturas para o ar na parte de trás. Afastar da parede o equipamento (min. 10 cm).

Não colocar o equipamento na proximidade de:

- a) equipamentos de segurança, i.e.:
 - saídas de emergência,
 - extintores, etc..
- b) contentores com substâncias facilmente inflamáveis, água ou produtos químicos.
- c) corpos quentes, i.e.:
 - aquecedores,
 - aberturas da instalação do ar condicionado,
 - montras directas ao sol, etc..

Não colocar os equipamentos em condições que possam provocar avarias ou defeitos de funcionamento, i.e.:

- vibrações fortes,
- muita sujidade ou pó,
- raios de sol directos ou aquecimento,
- chuva ou humidade,
- forte magnetismo ou ondas electromagnéticas.

Junto ao local de instalação deve existir uma tomada eléctrica devidamente instalada, protegida e ligada à terra.

A carga do circuito eléctrico utilizado para o aparelho não deve ser ultrapassada.

O cabo eléctrico deve ser instalado de modo que não se possa tropeçar nele. O não cumprimento desta medida de segurança pode ocasionar ferimentos e/ou danos no cabo.

Não vincar o cabo eléctrico nem colocar pesos em cima dele, sob pena de o isolamento ficar danificado e o condutor em carga ficar à vista, podendo ocasionar curto-circuitos e mesmo fogo.

4.2. Instalação e Montagem dos Aparelhos

Situar o equipamento. Não ligar à corrente antes de finalizar a instalação.



AVISO !! Perigo de implosão do tubo de raios catódicos e das lâmpadas de néon

Cumprir absolutamente as directivas de segurança do ponto 2.3.

4.2.1. As Consolas Vídeo de parede são fornecidos completamente montados. Nenhuma montagem adicional é necessária. Prover um lugar seguro!

4.2.2. Montagem de Consolas Vídeo vertical e video com assento

As peças acessórias, caso existam, devem ser devidamente aparafusadas ao equipamento com os parafusos fornecidos. A parte superior necessita de dois ajudantes durante a montagem. Utilizar meios de elevação próprios, i.e., escada ou escadote. Caso existam, ligar as fichas do equipamento acessório.

Assegurar a ligação do condutor de protecção.

Para as instruções de montagem ver o manual de origem.

Em caso de dúvida, utilizar únicamente a ajuda competente do fornecedor!

4.2.2.1. Consola Vídeo Vertical, possíveis formas de fornecimento:

- a) Completamente montado e/ou
- b) com a parte superior em embalagem separada (com ou sem iluminação) e/ou
- c) com unidade de utilização em embalagem separada

4.2.2.2. Consola Vídeo com assento, possíveis formas de fornecimento:

- a-c) como para a Consola Vídeo Vertical e/ou como acessório
- d) com unidade de assento em embalagem separada

4.3. Colocação em serviço

Se fôr necessário, nivelar exactamente por meio dos pés roscados o equipamento. O equipamento deve ficar bem agarrado ao chão. Em piso escorregadio, utilizar capas de borracha nos pés do equipamento.

Todos os elementos de construção e ligações devem ser verificados quanto à rigidez. Em especial, as ligações à terra de todas as partes metálicas à vista devem ser verificadas por electricista especializado.

Desligar o interruptor geral. A ligação à corrente só depois de verificados todos os pontos anteriores.

Ligar o interruptor geral. No caso de aparecerem ruídos, fumos ou cheiros inesperados logo após a ligação, tirar rapidamente a ficha da tomada e consultar um electricista especializado. Em caso de dúvida, consultar impreterivelmente o fornecedor.



AVISO !! Perigo de incêndio

Em caso algum continuar a utilizar o equipamento enquanto defeituoso

4.4. Afinação

Utilizar as instruções do manual de origem para a afinação consoante o programa e modelo em causa



AVISO !! Perigo de choque eléctrico

Cumprir absolutamente as directivas de segurança do ponto 2.

Em caso de dúvida, impreterivelmente seguir o conselho especializado do fornecedor.

5. Inspeção, Manutenção e Limpeza

5.1. Considerações gerais



AVISO !! Perigo de choque eléctrico

Cumprir absolutamente as directivas de segurança do ponto 2.

Verificar o estado do cabo eléctrico regularmente. Em caso de danificação do cabo ou da ficha, desligar imediatamente o aparelho e mandar reparar por electricista especializado.

Verificar impreterivelmente a existência e a legibilidade da chapa de aviso do equipamento e substituí-la se necessário (ver Ponto 8).

5.2. Manutenção

O equipamento em si é livre de manutenção.

5.3. Limpeza da caixa exterior e do écran

1. Desligar o equipamento e retirar a ficha da tomada de corrente.
2. Limpar a caixa exterior do aparelho e o écran com um pano macio levemente humedecido (sem ser molhado) e com um detergente neutro (não usar produtos de limpeza tais como diluentes, ácidos ou abrasivos).

6. Assistência

6.1. Considerações gerais



AVISO !! Perigo de choque eléctrico

Cumprir absolutamente as directivas de segurança do ponto 2.

Em caso de avaria, desligar imediatamente o equipamento e retirar a ficha da tomada e proceder à reparação únicamente por electricista especializado. Para mais instruções ver o manual de origem.

Em caso de dúvida impreterivelmente seguir o conselho especializado do fornecedor.

6.2. Substituição das Lâmpadas de Iluminação quando estragadas

1. Desligar o equipamento e retirar a ficha da tomada!
2. Atenção, a lâmpada pode estar ainda quente!
3. Substituir a lâmpada de iluminação por outra devidamente aprovada. Para sugestões de serviço ver o manual de origem.

7. Retirar de serviço

7.1. Considerações gerais



AVISO !! Perigo de choque eléctrico

Cumprir absolutamente as directivas de segurança do ponto 2.

7.2. Desmontagem

Retirar a ficha da tomada. Todos os elementos acessórios descritos no ponto 4.2. devem ser desmontados em ordem inversa. A desmontagem da parte superior deve ser assistida por dois ajudantes.

7.3. Deslocamento

O transporte e nova instalação devem ser efectuadaa segundo as prescrições do ponto 4.

7.4. Reciclagem

O equipamento deve ser reciclado por uma firma especializada e autorizada.

8. Aviso de precaução

O texto e imagens das placas de aviso, sejam elas impressas ou em auto colante e/ou as páginas destas instruções sofrem um desgaste natural com o tempo. O encarregado local tem a responsabilidade sobre a existência e legibilidade dos mesmos.

As chapas de aviso em falta ou danificadas devem ser substituídas imediatamente. Em caso de necessidade, contactar o fornecedor.

As instruções de serviço devem ser colocadas impreterivelmente em local seguro para utilização futura.

INNEHÅLLSFÖRTECKNING

1. **Förord**
EG-försäkran om överensstämmelse
2. **Säkerhetsanvisningar**
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1. Förord

Denna bruksanvisning gäller för TV-spel för bänk-, stå- och sittautomater. För reservdelsnummer, serviceanvisningar och inställningar, se den medföljande separata originalhandboken. Ta alltid kontakt med din återförsäljare om du är osäker på innehållet i originalhandboken, även vid språksvårigheter eller liknande.

Med förbehåll för ändringar genom nya upplagor av denna handbok.

EG-försäkran om överensstämmelse

Denna apparat överensstämmer med europeiska säkerhetsdirektiv och normer. Den berörs inte av maskindirektivet.

2. Säkerhetsanvisningar

2.1. Begreppsdefinitioner



WARNING !!

Om säkerhetsanvisningarna inte följs kan detta leda till personskador eller skador med dödlig utgång!

2.2. Allmänna förklaringar

Arbeten på apparaten för endast utföras av elteknisk personal, i annat fall finns det risk för personskador eller bestående materiella skador. Följderna kan bli dyra reparationer, utbyte av systemkomponenter samt att garantin inte längre gäller.

Installations- och reparationsarbeten får endast utföras av elteknisk personal och servicearbeten endast av instruerad personal. Ägaren av denna apparat ansvarar för att alla personer som är inblandade i uppställning, drifttagning, underhåll och reparation av apparaten har de rätta kvalifikationerna och att de alltid har läst och förstått de nödvändiga säkerhetsanvisningarna och de tillhörande kapitlen i handboken.

Förvara alltid bruksanvisningen på ett säkert ställe för senare bruk.

Vi påtar oss inget ansvar för olyckor, personskador och materiella skador som uppträder till följd av felaktig användning eller egenmäktiga förändringar av apparaten.

Egenmäktiga ombyggnader eller förändringar av automaten är uttryckligen förbjudna av säkerhetsskäl.

Om du har ytterligare frågor eller är osäker om innehållet, ta kontakt med din återförsäljaren. Säkerhetsanvisningarna skall följas till punkt och pricka. Det handlar om din säkerhet!

2.3. Grundläggande säkerhetsanvisningar

Ta endast apparaten i drift om den är uppställd enligt föreskrifterna och i överensstämmelse med handboken.

Apparatens driftspänning och -frekvens skall överensstämma med nätspänningen och -frekvensen. För elektriska data, se typskylten på apparatens baksida. Anslut endast apparaten till ett korrekt installerat, säkrat och jordat eluttag.

Ställ endast upp apparaten och ta den i drift i slutna och torra rum. Apparaten får endast användas yrkesmässigt.

Skadade eller saknade varningstexter/-bilder på apparaten skall genast ersättas.

**VARNING !!****Implosionsrisk för bildrör och neonrör**

Ställ endast upp apparaten på ett stabilt, bärkraftigt underlag och fäst den vid behov. Om apparaten välter kan bildröret eller neonröret implodera. Kringflygande glassplitter kan leda till svåra personskador.

**VARNING !!****Risk för elektriska stötar**

Innan apparaten öppnas skall stickkontakten ALLTID dras ut ur eluttaget. Rör aldrig vid stickkontakten med våta händer. Apparaten baksida får endast öppnas av elteknisk personal. Det förekommer livsfarlig, oskyddad högspänning inuti apparaten som ligger kvar även sedan stickkontakten dragits ur. Risk för dödsfall eller svåra personskador.

**VARNING !!****Brandfara**

Byt endast ut säkringar mot föreskrivna säkringar. Blockera aldrig spelautomatens luftintag. Omgivningstemperaturen får inte överstiga 40°C. Överbelasta inte nätet eller matningskablar.

Dra genast ut stickkontakten ur eluttaget vid fel och låt endast en eltekniker utföra reparationen. Dra i stickkontakten och inte i kabeln.

Dra aldrig ut eller stick in ett kontaktdon inuti apparaten vid felsökning när spänningen är tillslagen. Utför i princip reparationsarbetena när apparaten är spänningslös.

Använd endast original reservdelar!

Ovanstående punkter måste följas, annars finns risk för livshotande skador!

3. Apparatkontroll

3.1. Kontroll efter mottagningen

Undersök apparaten direkt när den mottagits för att konstatera ev. transportskador. Notera synliga skador på mottagningsbeviset från speditiönsföretaget eller meddela dem omedelbart efter det att varorna mottagits, för att säkra era anspråk.

Öppna apparaten och kontrollera att alla moduler och kontaktdon sitter som de skall.

Ta ut medföljande monteringsmaterial från apparatens inre eller från myntboxen.

Om den medföljande stickkontakten inte överensstämmer med den nationella standarden, skall en passande stickkontakt anslutas till nätkabeln.

**VARNING !!****Risk för elektriska stötar**

Stickkontakten från endast anslutas till nätkabeln av en eltekniker. I annat fall riskerar man att skada sig själv och andra.

Ta först ut den eventuella separata huvuddelen eller sättenheten ur förpackningen. Dessa delar skall monteras först på uppställningsplatsen, annars skadas de under transporten.

4. Transport, uppställning och drifttagning

4.1. Val av uppställningsplats och transport

Ställ endast upp apparaten och ta den i drift i slutna och torra rum. Uppställning i det fria eller i fuktiga/våta rum är strängt förbjuden. Inträngande fukt kan leda till olyckor genom elektriska stötar eller till fel inuti apparaten. Utsätt inte apparaten för direkt solstrålning.

Kontrollera transportvägar och -möjligheter till uppställningsplatsen innan transporten utförs.

Var särskilt försiktig på sluttande golv när apparaten förflyttas på transportrullar.

När apparaten förflyttas skall ett tillräckligt antal personer delta i arbetet. Var försiktig vid lågt hängande belysningsarmaturer.

Ställ endast upp apparaten på ett stabilt, bärkraftigt underlag. Täck inte för luftintagen på apparatens baksida. Se till att hålla tillräckligt avstånd till väggen (ca 10 cm).

Placera inte apparaten i närheten av:

- a) livräddningsanordningar som t ex:
 - nödutgångar,
 - brandsläckare o s v;
- b) behållare med lättantändliga ämnen, vatten eller kemikalier;
- c) värmeelement, som t ex:
 - öppningar på klimatanläggningar,
 - skyltfönster med direkt solinstrålning o s v.

Utsätt inte apparaten för belastningar som kan leda till funktionsstörningar eller fel, som t ex:

- starka vibrationer,
- extrem belastning från damm eller smuts,
- direkt solinstrålning eller hög värme,
- regn eller fuktighet,
- stark magnetism eller radiovågor.

Vid uppställningsplatsen skall det finnas ett korrekt installerat, jordat och säkrat eluttag.

Överbelasta inte det strömnät som apparaten är ansluten till.

Dra nätkabeln på ett sådant sätt att ingen snubblar över den. I annat fall kan det leda till svåra personskador eller skador på nätkabeln.

Bocka inte nätkabeln eller ställ tunga föremål på den, för att inte skada isoleringen. I annat fall finns det risk för oskyddad nätspänning, kortslutning och därmed fara för brand.

4.2. Uppställning och montering av apparaten

Placera apparten på uppställningsplatsen och stick ännu inte in stickkontakten i eluttaget. Detta görs när uppställningen är helt avslutad.



WARNING !!

Implosionsrisk för bildrör och neonrör

Säkerhetsanvisningarna i avsnitt 2.3 måste ovillkorligen följas!

4.2.1. TV-spel för bänkautomater levereras komplett monterade. Ingen ytterligare montering är nödvändig. Se till att apparaten står säkert.

4.2.2. Monteringsanvisningar för TV-spel i stå- och sittautomater

Fäst ev. separata tillbehörsdelar säkert på apparaten med skruvarna i den medföljande förpackningen. Huvuddelen skall hållas fast av minst två medhjälpare under monteringen; använd stege eller pall. Anslut ev. kontaktdon på tillbehörsdelarna.

Upprätta säkra skyddsledarförbindelser.

För monteringsanvisningar, se originalhandboken.

Om du är osäker, ta alltid kontakt med din återförsäljare.

4.2.2.1. TV-spel i ståautomater; leveransalternativ:

- a) komplett monterad och/eller
- b) med separat medföljande huvudel (med eller utan belysning) och/eller
- c) med separat medföljande manöverenhet.

4.2.2.2. TV-spel i sittautomater; leveransalternativ:

- a–c) som för ståautomater och/eller
- c) med separat medföljande sittenhet.

4.3. Drifftagning

Nivellera apparaten exakt med hjälp av de justerbara fotskruvarna. Apparaten måste stå helt stadigt på underlaget. Sätt gummiskydd på apparatfötterna om golvet är halt.

Kontrollera att alla moduler och kontaktdon sitter säkert. Särskilt skall skyddsledarna till alla åtkomliga metalldelar kontrolleras av en eltekniker.

Slå från nätströmbrytaren. Stick in stickkontakten först sedan alla de ovanstående punkterna kontrollerats.

Slå till nätströmbrytaren. Vid onormalt ljud, lukt eller rökbildning efter inkopplingen skall stickkontakten genast dras ut ur eluttaget och en eltekniker kontaktas. Om du är osäker, kontakta alltid din återförsäljare.



VARNING !!

Brandfara

Den defekta apparaten får under inga omständigheter tas i bruk.

4.4. Inställningar

För inställningar beroende på olika program och modeller, se den medföljande originalhandboken.



VARNING !!

Risk för elektriska stötar

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

Om du är osäker, kontakta alltid din återförsäljare.

5. Inspektion, underhåll och service

5.1. Allmänna anvisningar



VARNING !!

Risk för elektriska stötar

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

Kontrollera nätkabelns skick regelbundet. Om kabeln eller stickkontakten är skadade skall apparaten genast tas ur drift och repareras av en eltekniker.

Kontrollera ovillkorligen att varningstexterna/-bilderna är på plats och är läsbara, byt ut dem vid behov (se avsnitt 8).

5.2. Underhåll

Själva apparaten är underhållsfri.

5.3. Rengöring av huset och den yttre bildskärmen

1. Slå från apparaten och dra ut stickkontakten ur eluttaget.
2. Rengör huset och den yttre bildskärmen med en mjuk, fuktig (ej våt) duk och ett mildt rengöringsmedel (inget syrehaltigt rengöringsmedel eller rengöringsmedel som innehåller lösningsmedel eller slipmedel).

6. Service

6.1. Allmänna anvisningar



WARNING !!

Risk för elektriska stötar

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

Vid fel skall stickkontakten genast dras ut ur eluttaget och apparaten repareras av en eltekniker. För serviceanvisningar, se originalhandboken.

Om du är osäker, ta alltid kontakt med din återförsäljare.

6.2. Byte av defekta lampor

1. Slå från apparaten och dra ut stickkontakten ur eluttaget.
2. Var försiktig; lamporna kan vara heta.
3. Byt endast ut lamporna mot föreskrivna reservdelar. För serviceanvisningar, se originalhandboken.

7. Urdrifftagning

7.1. Allmänna anvisningar



WARNING !!

Risk för elektriska stötar

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

7.2. Demontering

Dra ut stickkontakten ur eluttaget. Demontera alla tillbehörsdelarna i avsnitt 4.2 i omvänd ordningsföljd. Huvuddelen skall hållas fast av minst två medhjälpare under demonteringen.

7.3. Förflyttning

Förflyttning och ny drifftagning skall göras såsom beskrivs i avsnitt 4.

7.4. Avfallshantering

Låt ett godkänt avfallsföretag ta hand om den uttjänta apparaten.

8. Varningstexter/-bilder

Varningstexter eller -bilder i form av etiketter, tryck och/eller i denna bruksanvisning utsätts för naturligt slitage. Användaren ansvarar för att de finns tillhands och är läsbara.

Skadade eller saknade varningstexter/-bilder skall genast ersättas. Kontakta vid behov din återförsäljare.

Förvara alltid bruksanvisningen på ett säkert ställe för senare bruk.

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- 8. Προειδοποιητικές υποδείξεις**

1. Πρόλογος

Οι παρούσες οδηγίες λειτουργίας ισχύουν για ηλεκτρονικές συσκευές βιντεοπαιχνιδιών μπαρ, καθιστές ή ορθές. Νούμερα παραγγελίας ανταλλακτικών, οδηγίες σέρβις και ρυθμίσεις βλέπε στο ξεχωριστό συνημμένο γνήσιο εγχειρίδιο λειτουργίας. Σε περίπτωση αμφιβολιών, ιδιαίτερα σε δυσκολίες συνεννόησης γλωσσικής ή άλλης μορφής με το γνήσιο εγχειρίδιο λειτουργίας, να ζητάτε οπωσδήποτε την ειδική βοήθεια του αντιπροσώπου σας!

Διατηρούμε το δικαίωμα αλλαγών του παρόντος εγχειριδίου σε νέες εκδόσεις.

Δήλωση Ανταπόκρισης Ε.Ε.

Η συσκευή αυτή ανταποκρίνεται στις ευρωπαϊκές Οδηγίες Ασφαλείας και Πρότυπα. Δεν υπόκειται στην Οδηγία περί Μηχανών.

2. Υποδείξεις ασφαλείας

2.1. Ορισμός έννοιας



ΠΡΟΣΟΧΗ !!

Η μη τήρηση των οδηγιών μπορεί να προκαλέσει σωματικές βλάβες ή θανατηφόρους τραυματισμούς.

2.2. Γενικές εξηγήσεις

Επεμβάσεις στη συσκευή επιτρέπεται να γίνονται μόνο από ειδικό ηλεκτρολόγο, διαφορετικά υπάρχει κίνδυνος τραυματισμού ή διαρκούς βλάβης της συσκευής. Οι συνέπειες θα ήταν ακριβές επισκευές, αντικαταστάσεις εξαρτημάτων του συστήματος, εξάλειψη των δικαιωμάτων εγγύησης.

Οι εργασίες εγκατάστασης και επισκευής πρέπει να εκτελούνται μόνο από ε ι δ ι κ ό ηλεκτρολόγο, εργασίες σέρβις μόνο από ενημερωμένο προσωπικό. Ο ιδιοκτήτης αυτής της συσκευής πρέπει να είναι σίγουρος ότι όλα τα άτομα που έχουν να κάνουν με την εγκατάσταση, θέση λειτουργίας, φροντίδα, επισκευή και συντήρηση της συσκευής, έχουν την απαραίτητη εξειδίκευση και ότι πριν από την έναρξη των εργασιών διάβασαν και κατανόησαν τις απαραίτητες οδηγίες ασφαλείας και τα σχετικά κεφάλαια του εγχειριδίου.

Οι οδηγίες λειτουργίας πρέπει να φυλάσσονται οπωσδήποτε σε ασφαλές μέρος για να μπορούν να χρησιμοποιηθούν αργότερα!

Σε περίπτωση ακατάλληλου χειρισμού, αντικανονικής χρήσης και αυθαίρετων μετατροπών πάνω στη συσκευή, δεν αναλαμβάνεται απολύτως καμία ευθύνη για ατυχήματα, τραυματισμούς και βλάβες! Για λόγους ασφαλείας απαγορεύονται αυστηρώς αυθαίρετες μετατροπές και αλλαγές της αυτόματης ηλεκτρονικής συσκευής.

Σε περίπτωση περαιτέρω ερωτήσεων ή αμφιβολιών απευθυνθείτε στον αντιπρόσωπό σας.

Οι υποδείξεις ασφαλείας πρέπει να τηρούνται οπωσδήποτε! Αφορούν την ασφάλειά σας.

2.3. Βασικές υποδείξεις ασφαλείας

Η συσκευή επιτρέπεται να λειτουργεί μόνο εφόσον έγινε η προδιαγραφμένη και σύμφωνα με το εγχειρίδιο εγκατάσταση.

Η λειτουργική τάση και συχνότητα της συσκευής πρέπει να ανταποκρίνονται στην τάση και συχνότητα δικτύου. Τα ηλεκτρικά στοιχεία αναφέρονται στην πινακίδα τύπου της συσκευής. Η συσκευή πρέπει να συνδέεται μόνο σε σωστά εγκαταστημένο, ασφαλισμένο και γειωμένο ρευματοδότη.

Η εγκατάσταση και λειτουργία επιτρέπεται μόνο μέσα σε κλειστούς και ξηρούς χώρους! Επιτρέπεται μόνο η επαγγελματική χρήση της συσκευής!

Πρέπει να γίμεται αμέσως αντικατάσταση χαλασμένων ή ανύπαρκτων προειδοποιητικών υποδείξεων.



ΠΡΟΣΟΧΗ !!

Εσωτερική έκρηξη λυχνίων και λαμπτήρων αερίου νέου

Εγκατάσταση μόνο πάνω σε σταθερή και ανθεκτική επιφάνεια, εν ανάγκη στερεώνετε τη συσκευή. Κατά το πέσιμο της συσκευής μπορεί να προκληθεί εσωτερική έκρηξη των λυχνίων και των λαμπτήρων αερίου νέου. Τα σπασμένα γυαλιά μπορεί να προκαλέσουν πολύ βαριά τραύματα.



ΠΡΟΣΟΧΗ !!

Κίνδυνος ηλεκτροπληξίας

Πριν ανοίξετε τη συσκευή πρέπει να βγάξετε ΠΑΝΤΟΤΕ το ρευματολήπτη από την πρίζα! Μην πιάνετε ποτέ το ρευματολήπτη με βρεγμένα χέρια. Το πίσω μέρος της συσκευής επιτρέπεται να ανοιχτεί μόνο από ειδικό ηλεκτρολόγο. Πολύ επικίνδυνες υψηλές τάσεις στο εσωτερικό της συσκευής, οι οποίες συνεχίζουν να υπάρχουν και μετά την εξαγωγή του ρευματολήπτη από την πρίζα. Η μη τήρηση μπορεί να επιφέρει το θάνατο ή επικίνδυνους τραυματισμούς.



ΠΡΟΣΟΧΗ !!

Κίνδυνος πυρκαγιάς

Η αντικατάσταση των ασφαλειών επιτρέπεται να γίνεται μόνο με τις προδιαγραφμένες ασφάλειες. Μην καλύπτετε ποτέ τις σχισμές αερισμού της συσκευής. Η θερμοκρασία περιβάλλοντος δεν επιτρέπεται να υπερβαίνει ποτέ τους 40°C. Μην υπερφορτώνετε το κύκλωμα ρεύματος και τους αγωγούς τροφοδότησης.

Σε περίπτωση βλάβης βγάξετε αμέσως το ρευματολήπτη από την πρίζα και επιδιορθώστε τη βλάβη μόνο με ειδικό ηλεκτρολόγο. Τραβάτε μόνο το βύσμα και ποτέ το καλώδιο.

Σε περίπτωση αναζήτησης κάποιας βλάβης της συσκευής, μην εμβυσματώνετε και μην βγάξετε του συνδέσμους στο εσωτερικό της συσκευής, εάν η συσκευή βρίσκεται υπό τάση. Η επισκευή γίνεται μόνο όταν η συσκευή δεν βρίσκεται υπό τάση!

Χρησιμοποιείτε μόνο γνήσια ανταλλακτικά.

Η μη τήρηση των ανωτέρω σημείων μπορεί να οδηγήσει σε κίνδυνο της σωματικής σας ακεραιότητας!

3. Έλεγχος συσκευής

3.1. Έλεγχος μετά την παράδοση

Αμέσως μετά την παράδοση της συσκευής κάνετε έλεγχο για τυχόν ζημιές μεταφοράς. Εμφανείς βλάβες πρέπει να τις σημειώσετε στα έντυπα φορτωτικής του μεταφορέα ή να τις δηλώσετε αμέσως μετά την παραλαβή του εμπορεύματος, για να μπορέσετε έτσι να εξασφαλίσετε τις αξιώσεις σας.

Ανοίξτε τη συσκευή και κάνετε έλεγχο της κανονικής εφαρμογής όλων των δομοστοιχείων και συνδέσεων.

Αφαιρέστε το συνημμένο υλικό συναρμολόγησης από το εσωτερικό της συσκευής ή από το κουτί ταμείου.

Σε περίπτωση που ο διαθέσιμος ρευματολήπτης δεν ανταποκρίνεται στις προδιαγραφές της χώρας σας, συνδέστε το κατάλληλο βύσμα στο καλώδιο.



ΠΡΟΣΟΧΗ !!

Κίνδυνος ηλεκτροπληξίας

Η σύνδεση του ρευματολήπτη γίνεται μόνο από ειδικό ηλεκτρολόγο. Εάν δεν τηρηθεί αυτό, εκθέτετε σε κίνδυνο τον εαυτόν σας και τους άλλους!

Εάν υπάρχουν διαθέσιμα ξεχωριστό τμήμα κεφαλής ή μονάδα καθίσματος, τα βγάξετε από τη συσκευασία. Το μοντάρισμα των εξαρτημάτων αυτών πρέπει να γίνει στον τόπο εγκατάστασης, διαφορετικά υπάρχει κίνδυνος βλάβης κατά τη μεταφορά.

4. Μεταφορά, εγκατάσταση και θέση λειτουργίας

4.1. Επιλογή τόπου εγκατάστασης και μεταφορά

Η εγκατάσταση και λειτουργία επιτρέπεται μόνο μέσα σε κλειστούς και ξηρούς χώρους! Η εγκατάσταση σε υπαίθριους ή υγρούς χώρους απαγορεύεται αυστηρώς. Εάν εισχωρήσει υγρασία μέσα στη συσκευή, μπορεί να προκληθούν ατυχήματα ηλεκτροπληξίας ή βλάβες στο εσωτερικό της συσκευής. Αποφεύγετε την έκθεση της συσκευής σε άμεση ηλιακή ακτινοβολία.

Ελέγχετε τους δρόμους μεταφοράς και τις δυνατότητες εγκατάστασης πριν να κάνετε τη μεταφορά. Ιδιαίτερη προσοχή σε συσκευές με ρόδες μεταφοράς σε κατηφορικά δάπεδα.

Η μεταφορά της συσκευής πρέπει να γίνεται με επαρκή αριθμό ατόμων. Προσοχή σε χαμηλά κρεμασμένα φωτιστικά σώματα.

Τοποθετείτε τη συσκευή σε επίπεδη, σταθερή και ανθεκτική επιφάνεια. Μην καλύπτετε ποτέ τις σχισμές αερισμού της συσκευής. Διατηρείτε επαρκή απόσταση από τον τοίχο (τουλάχισ. 10 εκατ.).

Μην τοποθετείτε τη συσκευή κοντά σε:

- α) διασσωστικούς εξοπλισμούς, όπως π.χ.:
 - εξόδους κινδύνου
 - πυροσβεστήρες κ.λπ.
- β) δοχεία με εύφλεκτες ύλες, νερό ή χημικές ουσίες,
- γ) πηγές θερμότητας, όπως π.χ.:
 - σώματα καλοριφέρ
 - ανοίγματα συστημάτων κλιματισμού
 - βιτρίνες με άμεση ηλιακή ακτινοβολία κ.λπ.

Μην εκθέτετε τη συσκευή σε φόρτο, που προκαλεί λειτουργικές διαταραχές ή βλάβες, όπως π.χ. σε:

- ισχυρές δονήσεις
- σκόνες και βρωμιές
- άμεση ηλιακή ακτινοβολία ή θερμότητα
- βροχή ή υγρασία
- ισχυρό μαγνητικό πεδίο ή ραδιοκύματα

Στον τόπο εγκατάστασης πρέπει να υπάρχει διαθέσιμος σωστά τοποθετημένος, γειωμένος και ασφαλισμένος ρευματοδότης.

Μην υπερφορτώνετε το κύκλωμα ρεύματος που είναι συνδεδεμένη η συσκευή.

Η τοποθέτηση του καλωδίου πρέπει να γίνει έτσι, ώστε να μην σκοντάφτει κανένας επάνω του. Η μη τήρηση μπορεί να οδηγήσει σε σοβαρούς τραυματισμούς ή σε βλάβη του καλωδίου.

Μην κάμπτετε ισχυρά το καλώδιο και μην τοποθετείτε επάνω του βαριά αντικείμενα, γιατί μπορεί να προκληθεί ζημιά στη μόνωση με δυνατά επακόλουθα εκτεθειμένη τάση, βραχυκύκλωμα και ενδεχόμενη πρόκληση πυρκαγιάς.

4.2. Εγκατάσταση και συναρμολόγηση της συσκευής

Τοποθετείτε τη συσκευή, κάνετε πλήρη εγκατάσταση και μετά βάζετε το ρευματολήπτη στην πρίζα.



ΠΡΟΣΟΧΗ !! Εσωτερική έκρηξη λυχνίων και λαμπτήρων αερίου νέου
Τηρείτε οπωσδήποτε τις υποδείξεις ασφαλείας στο κεφάλαιο 2.3.

4.2.1. Συσκευές Video μπαρ παραδίδονται σε πλήρη συναρμολόγηση. Δεν είναι απαραίτητες άλλου είδους συναρμολογήσεις. Εξασφαλίζετε σταθερή θέση εγκατάστασης!

4.2.2. Οδηγίες εγκατάστασης ως ορθή συσκευή Video και καθιστή συσκευή Video

Εάν υπάρχουν διαθέσιμα, στερεώνετε σταθερά τα ξεχωριστά εξαρτήματα στη συσκευή με τις συνημμένες βίδες. Το εξάρτημα κεφαλής πρέπει να το κρατάνε τουλάχιστον δύο βοηθοί κατά την εγκατάσταση. Χρησιμοποιείτε σκάλα ή άλλη σταθερή βάση. Εάν υπάρχουν διαθέσιμοι, εμβυσματώνετε τους συνδέσμους των εξαρτημάτων.

Δημιουργείτε ασφαλείς συνδέσεις σύρματος γης.

Οδηγίες μονταρίσματος βλέπε γνήσιο εγχειρίδιο.

Σε περίπτωση αμφιβολιών απευθυνθείτε οπωσδήποτε στον αντιπρόσωπό σας!

4.2.2.1. Ορθή συσκευή Video, διαθέσιμοι τύποι παράδοσης:

- α) με πλήρη συναρμολόγηση και / ή
- β) με ξεχωριστά συσκευασμένο εξάρτημα κεφαλής (με ή χωρίς φωτισμό) και / ή
- γ) με ξεχωριστά συσκευασμένη μονάδα χειρισμού

4.2.2.2. Καθιστή συσκευή Video, διαθέσιμοι τύποι παράδοσης:

- α-γ) όπως η ορθή συσκευή Video και / ή επιπλέον
- δ) με ξεχωριστά συσκευασμένη μονάδα καθίσματος

4.3. Θέση λειτουργίας

Εάν υπάρχουν διαθέσιμοι, ρυθμίζετε ακριβώς τη συσκευή με τους ρυθμιστικούς κοχλίες. Η συσκευή πρέπει να στέκεται σταθερά πάνω στο δάπεδο. Σε περίπτωση λείων δαπέδων, χρησιμοποιείτε πλαστικά καλύμματα κάτω από τα πόδια της συσκευής.

Ελέγχετε την άψογη εφαρμογή όλων των δομοστοιχείων και συνδέσεων. Ιδιαίτερα ελέγχετε με τη βοήθεια ειδικού ηλεκτρολόγου την άψογη εφαρμογή των συνδέσεων σύρματος γης όλων των εκτεθειμένων μεταλλικών τμημάτων!

Κλείνετε τον γενικό διακόπτη. Βάζετε το ρευματολήπτη στην πρίζα αφού πρώτα έχετε τηρήσει όλες τις ανωτέρω αναφερόμενες οδηγίες.

Ανοίγετε τον γενικό διακόπτη. Εάν διαπιστωθεί ασυνήθιστος θόρυβος, καπνός ή παράξενη μυρωδιά μετά το άνοιγμα του διακόπτη, βγάζετε αμέσως το ρευματοδότη από την πρίζα και ζητάτε τη συμβουλή ειδικού ηλεκτρολόγου. Σε περίπτωση αμφιβολιών απευθυνθείτε οπωσδήποτε στον αντιπρόσωπό σας!



ΠΡΟΣΟΧΗ !! Κίνδυνος πυρκαγιάς
Μην λειτουργείτε σε καμία περίπτωση τη χαλασμένη συσκευή.

4.4. Ρυθμίσεις

Τα προγράμματα και τις ενδεχόμενες ρυθμίσεις του μοντέλου τις βρίσκετε στο συνημμένο γνήσιο εγχειρίδιο λειτουργίας.



ΠΡΟΣΟΧΗ !! Κίνδυνος ηλεκτροπληξίας
Τηρείτε οπωσδήποτε τις υποδείξεις ασφαλείας στο κεφάλαιο 2.

Σε περίπτωση αμφιβολιών απευθυνθείτε οπωσδήποτε στον αντιπρόσωπό σας!

5. Έλεγχος, συντήρηση και φροντίδα

5.1. Γενικές οδηγίες



ΠΡΟΣΟΧΗ!!

Κίνδυνος ηλεκτροπληξίας

Τηρείτε οπωσδήποτε τις υποδείξεις ασφαλείας στο κεφάλαιο 2.

Ελέγχετε τακτικά την κατάσταση του καλωδίου. Σε περίπτωση χαλασμένου καλωδίου ή ρευματολήπτη, διακόπτεται αμέσως τη λειτουργία της συσκευής και την επισκευάζετε με ειδικό ηλεκτρολόγο.

Ελέγχετε οπωσδήποτε την ύπαρξη και το ευανάγνωστο των προειδοποιητικών υποδείξεων, και αν είναι απαραίτητο κάνετε αντικατάστασή τους (βλέπε κεφάλαιο 8).

5.2. Συντήρηση

Η συσκευή αυτή καθ' αυτή δεν χρειάζεται συντήρηση.

5.3. Καθάρισμα πλαισίου και εξωτερικής οθόνης

1. Διακόπτετε τη λειτουργία της συσκευής και βγάξετε το ρευματολήπτη από την πρίζα!
2. Καθαρίζετε το πλαίσιο και την εξωτερική οθόνη με μαλακό, υγρό (όχι πολύ βρεγμένο πανί) και ελαφρύ απορρυπαντικό (μην χρησιμοποιείτε διαλυτικά, οξέα ή απορρυπαντικά τριψίματος).

6. Σέρβις

6.1. Γενικές οδηγίες



ΠΡΟΣΟΧΗ !!

Κίνδυνος ηλεκτροπληξίας

Τηρείτε οπωσδήποτε τις υποδείξεις ασφαλείας στο κεφάλαιο 2.

Σε περίπτωση χαλασμένου καλωδίου ή ρευματολήπτη, διακόπτεται αμέσως τη λειτουργία της συσκευής και την επισκευάζετε μόνο με ειδικό ηλεκτρολόγο. Υποδείξεις ασφαλείας βλέπε γνήσιο εγχειρίδιο λειτουργίας.

Σε περίπτωση αμφιβολιών απευθυνθείτε οπωσδήποτε στον αντιπρόσωπό σας!

6.2. Αντικατάσταση χαλασμένων σωμάτων φωτισμού

1. Διακόπτετε τη λειτουργία της συσκευής και βγάξετε το ρευματολήπτη από την πρίζα!
2. Προσοχή, το σώμα φωτισμού μπορεί να καίει!
3. Κάνετε αντικατάσταση των σωμάτων φωτισμού μόνο με προδιαγραφμένα ανταλλακτικά. Οδηγίες σέρβις βλέπε γνήσιο εγχειρίδιο λειτουργίας.

7. Θέση εκτός λειτουργίας

7.1. Γενικές οδηγίες



ΠΡΟΣΟΧΗ!!

Κίνδυνος ηλεκτροπληξίας

Τηρείτε οπωσδήποτε τις υποδείξεις ασφαλείας στο κεφάλαιο 2.

7.2. Αποσυναρμολόγηση

Βγάξετε το ρευματολήπτη από την πρίζα. Αποσυναρμολογείτε όλα τα περιγραφόμενα στο κεφάλαιο 4.2 εξαρτήματα στη αντίθετη σειρά. Το εξάρτημα κεφαλής πρέπει να το κρατάνε τουλάχιστον δύο βοηθοί κατά την αποσυναρμολόγηση.

7.3. Μετατόπιση

Κάνετε τη μεταφορά και επαναλειτουργήστε τη συσκευή όπως περιγράφεται στο κεφάλαιο 4.

7.4. Απομάκρυνση

Η απομάκρυνση της συσκευής γίνεται μόνο από εξουσιοδοτημένη εταιρία.

8. Προειδοποιητικές υποδείξεις

Οι προειδοποιητικές υποδείξεις, σε κείμενο ή σε εικόνα, ως αυτοκόλλητες ετικέτες ή σφραγίδες, ή στη μορφή αυτών των οδηγιών λειτουργίας, παλιώνουν με το πέρασμα του χρόνου. Ο εκμεταλλευτής της συσκευής είναι υπεύθυνος για την ύπαρξη και το ευανάγνωστο των προειδοποιητικών υποδείξεων.

Πρέπει να γίνεται αμέσως αντικατάσταση χαλασμένων ή ανύπαρκτων προειδοποιητικών υποδείξεων. Σε περίπτωση ανάγκης απευθυνθείτε στον αντιπρόσωπό σας.

Οι οδηγίες λειτουργίας πρέπει να φυλάσσονται οπωσδήποτε σε ασφαλές μέρος για να μπορούν να χρησιμοποιηθούν αργότερα!

5. NAME OF PARTS

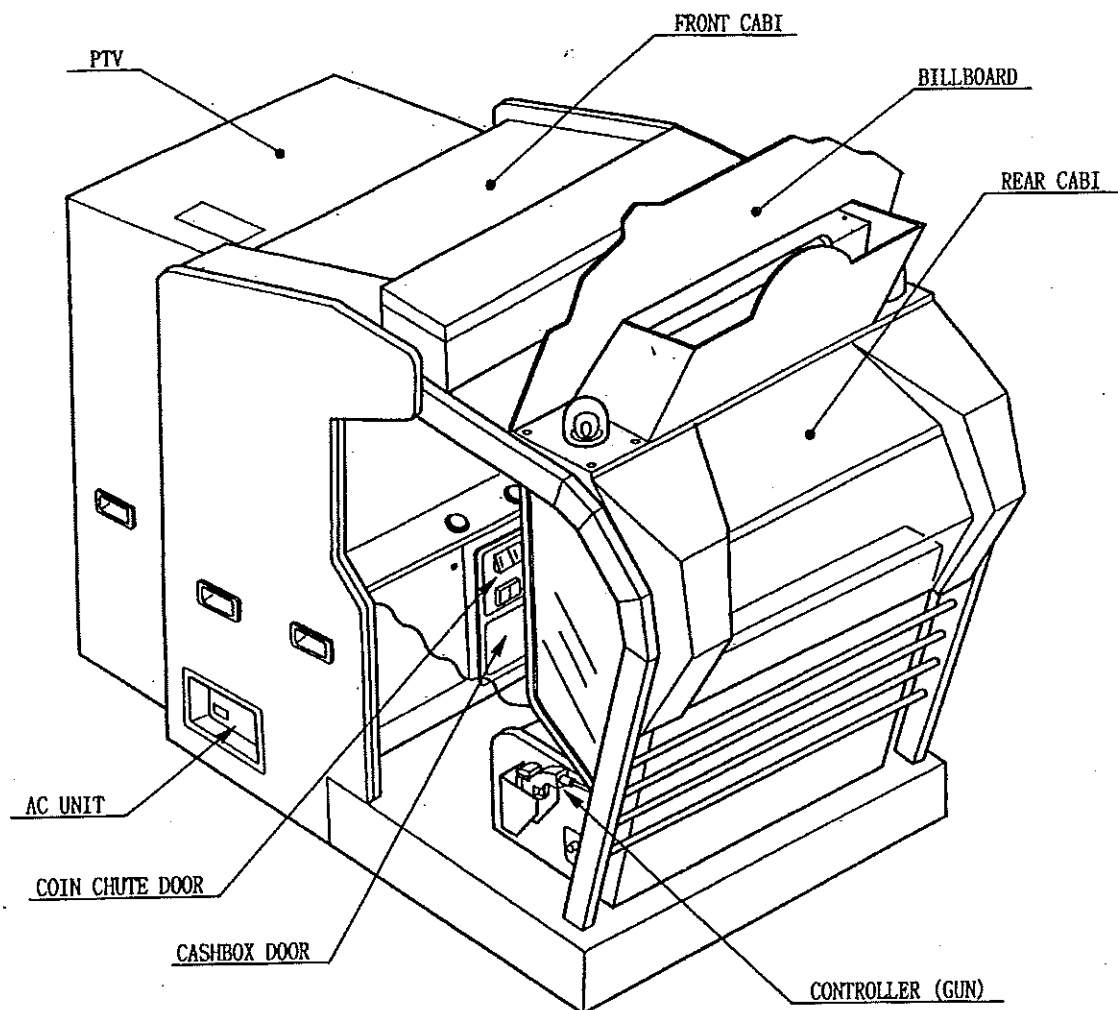


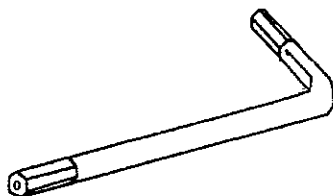
FIG. 4 OVERVIEW

	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
PTV	1140	530	1580	91
FRONT CABI	1270	900	1840	142
REAR CABI	1270	1350	1900	152
BILLBOARD	1170	290	490	13
When Assembled	1270	2460	2230	398

6. ACCESSORIES

The machine is supplied with an installation kit. Please ensure the following parts are supplied:

No.	Part Number	Qty	Description	Component Reference
1	JPT-1101	2	PTV BRKT	WRAP IN BUBBLE WRAP
3	JPT-0500UK	1	ASSY BILLBOARD UK	
4	429-0143UK	1	POP PNL JPT DX UK	
5	423-0300	1	BILLBOARD PLATE JPT	
6	JPT-0002UK	1	LOCK BAR	
101	390-5711-AUK	2	PAT LAMP FILAMENT	
201	000-P00412-WB	2	M4X12 MSCR POSI PAN W/FS BNP	BILLBOARD TO REAR FRAME - 2
202	030-000840-SB	4	M8X40 BLT W/S BNP	PTV TO CABINET -4
203	FS1002	8	M8 WSHR 20OD FLT BNP	PTV-4, FRONT TO REAR-4
204	030-000860-SB	4	M8X60 BLT W/S BNP	REAR TO FRONT CABI'S -4
205	000-P00516-W	4	M5X16 MSCR POSI PAN W/FS PAS	PTV BRKTS TO PTV
206	FX0011	2	M4 NUT FLG SER BZP	(5)-2
207	FX0037	5	M4X12 MSCR POSI PAN BZP	(4)-5
208	068-441916	5	M4 WSHR 19OD FLT BZP	(4)-5
402	OS1019	1	SELF SEAL BAG 9X12.3/4	
403	540-0006-01	1	WRENCH M4 TMP PRF	
404	420-6325-01UK	1	SERVICE MANUAL JPT DX UK	
406	390-5160	1	LAMP WG B TYPE 6V 3W (C2R)	
407	509-5080UK	1	SW MICRO TYPE *	



Item 540-0006-01 Tamper-proof TORX wrench.

7. PRECAUTIONS TO BE HEEDED WHEN ASSEMBLING AND MOVING THE MACHINE



WARNING!

- Perform the assembly by following the procedure herein stated. Failure to comply with the instructions, for example, inserting the plug into an outlet at a stage not mentioned in this manual can cause an electric shock
- Assembling should be performed as per this manual. Since this is a complex machine, erroneous assembling can cause damage to the machine, or malfunction to occur.
- Do not attempt to complete this work alone, a minimum of 2 people are required.



IMPORTANT!

- Assembly should only be carried out by QUALIFIED SERVICE PERSONNEL.

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

STEP 1 ASSEMBLING THE MACHINE

STEP 2 ASSEMBLING THE BILLBOARD

STEP 3 ADJUSTING THE LEG ADJUSTERS

STEP 4 CONNECTION TO THE POWER SUPPLY

STEP 5 ASSEMBLY CHECK

Note that the parts contained within the installation kit are required for the assembly work.

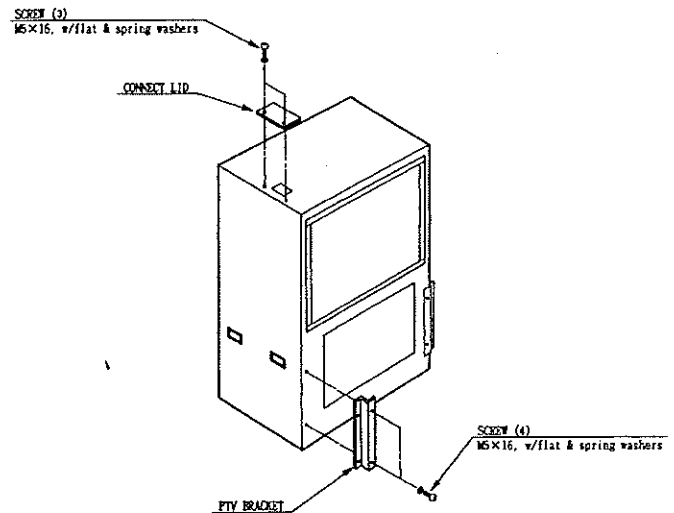


CAUTION!

- Fit all fixings loosely first as detailed in step 1, then position all components before finally tightening fixings at step 3.

7.1. ASSEMBLING THE MACHINE

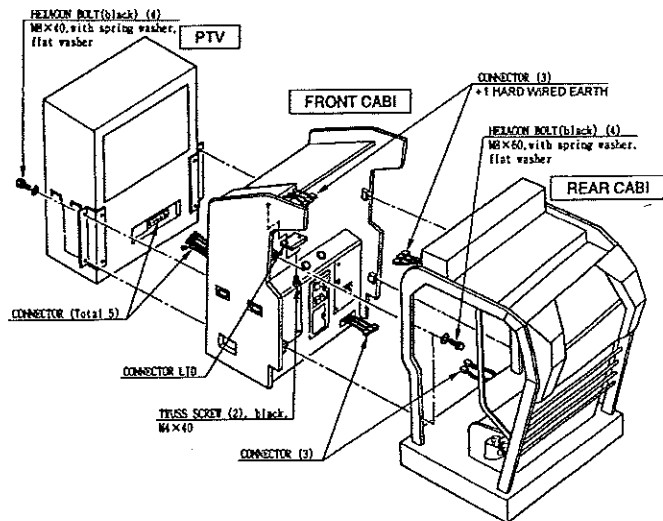
1. Install the PTV brackets to the PTV as shown.



2. Connect the PTV, FRONT CABI and REAR CABI as shown. Ensure that all of the wire connectors between the items are correctly connected.

When connecting the PTV ensure that the wires coloured Red, Green and Blue are connected to the corresponding terminals on the PTV and the White wire is connected to the SYNC terminal.

When connecting the FRONT and REAR cabi's ensure that the hard wired earth is pushed through into the lamp box for connection to the earth stud. To connect the Earth wire remove the 8 M4 screws from the top of the lamp box and remove the lid. Connect the earth wire to the earth stud using the M4 flange nut and washer provided in the installation kit. Replace the lamp box lid using the 8 M4 screws removed before.

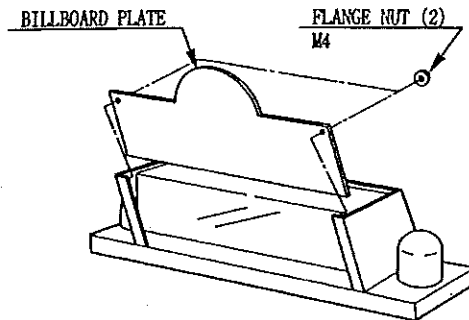


7.2. ASSEMBLING THE BILLBOARD

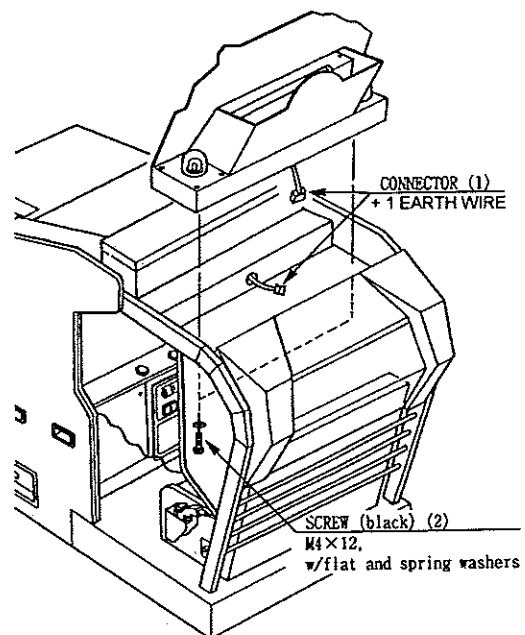
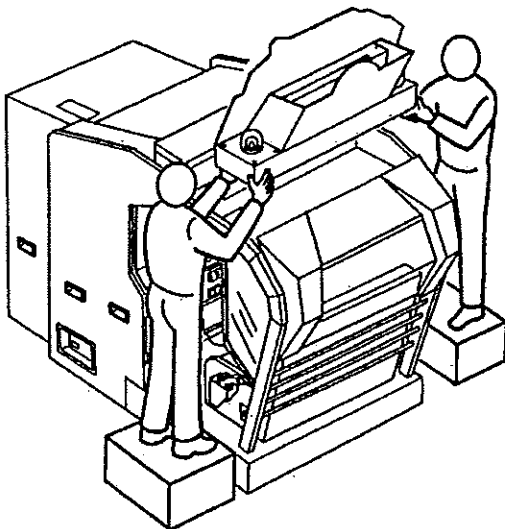
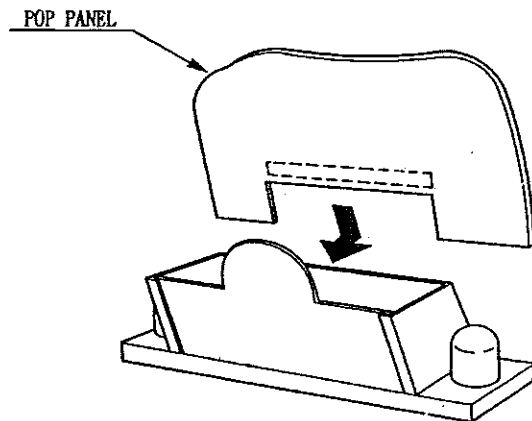


- One person alone cannot perform the installation of the billboard assembly. Seek assistance before attempting this operation
- This operation should be carried out by Qualified Service Personnel only.

1. Install the billboard plate to the billboard box as shown. Fix the billboard with the 2 M4 flange nuts provided in the installation kit.



2. Fix the POP panel to the back of the billboard box by inserting it into the POP bracket and fixing it to the billboard box using the 5 M4 screws and large washers provided.
3. When positioning the billboard onto the roof be sure to use TWO people and use a safe platform to stand on.
4. Before fixing the billboard in it's final position make sure the connections are made and the earth wire is connected to the Earth stud using the M4 flange nut provided.
5. Once the billboard is in it's final position secure it to the roof using 2 M4X12 black screws from underneath.



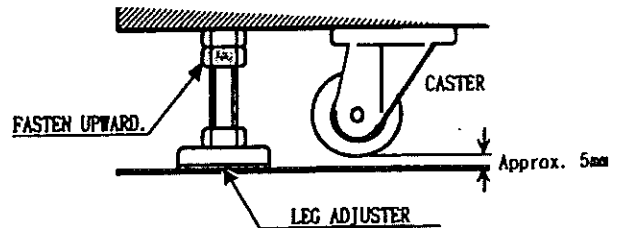
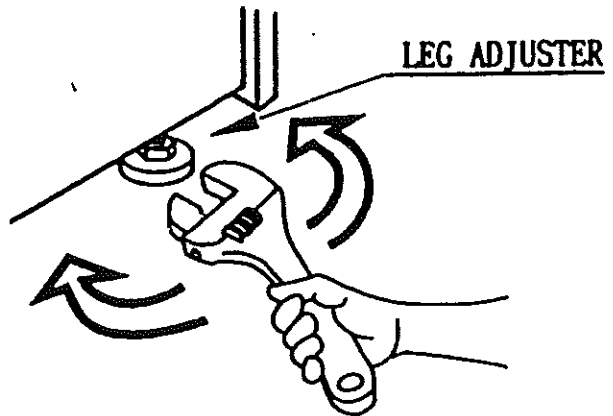
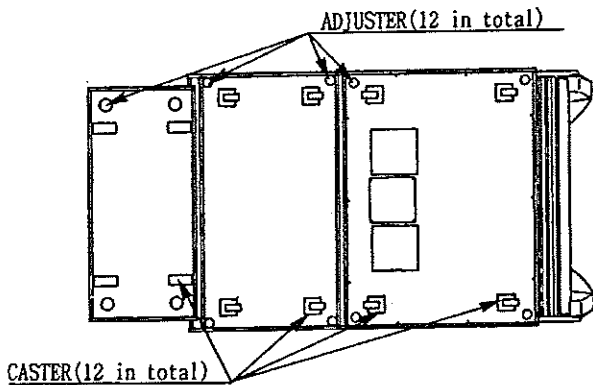
7.3. ADJUSTING THE LEG ADJUSTERS



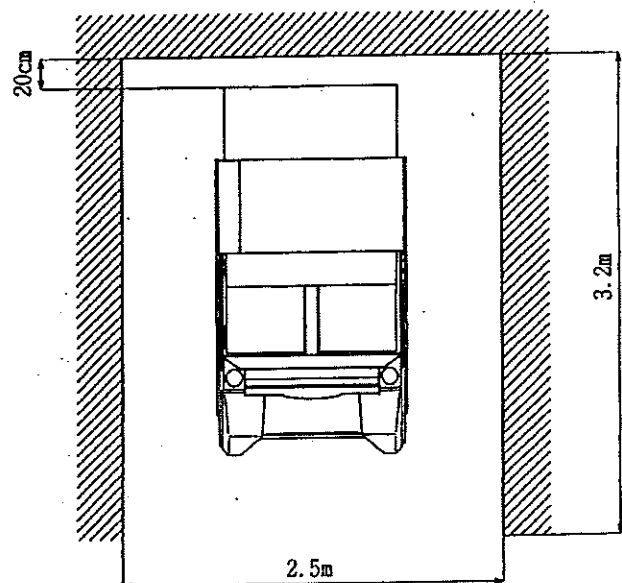
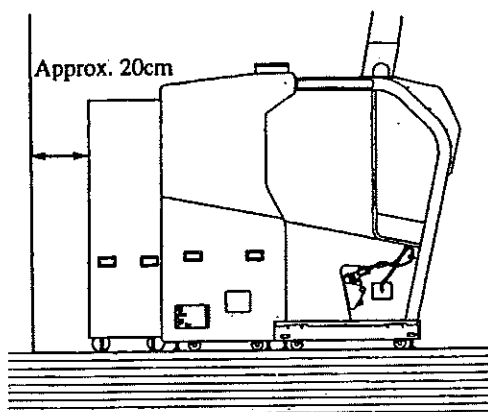
CAUTION!

- Make sure all of the leg adjusters are in contact with the floor. If they are not the machine may move and cause injury. This operation requires 2 people.

This machine has 12 castors and 12 leg adjusters. When the installation position is decided. Unscrew the leg adjusters so that they raise each castor a minimum of 5mm from the floor. Make sure the machine is level.



After securing the leg adjuster bolts, fully tighten all bolts temporarily attached in STEP 1 above. Ensure adequate ventilation is maintained as detailed below



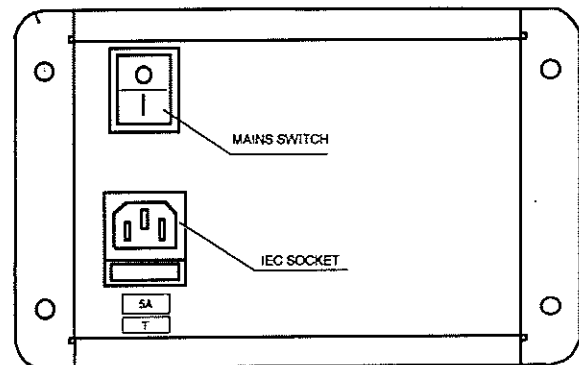
7.4. CONNECTION TO THE POWER SUPPLY



- This operation may only be carried out once the machine has been completely assembled.
- This operation should be carried out by Qualified Service Personnel only.
- Ensure that a correct socket outlet is installed near the machine and is easily accessible.

Once the machine has been fully assembled and fixed in position it is ready to be connected to the power supply.

1. The socket outlet shall be installed near the equipment and shall be easily accessible.
2. Insert the IEC plug into the IEC socket on the left hand side of the front cabi.
3. Insert the mains cord into the wall outlet.
4. Switch on the power at the wall outlet.
5. Switch on the mains switch on the AC unit of the machine.



7.5. ASSEMBLY CHECK

When the machine has been installed and powered up carry out the following checks to ensure that the machine has been assembled correctly and there are no faults.

In the TEST MODE, ensure that the assembly has been made correctly and the IC BD is satisfactory (refer to section 10).

In the test mode perform the following tests:

MEMORY TEST

<ROM>

IC 1 GOOD	IC 2 GOOD	IC 3 GOOD	IC 4 GOOD
IC 5 GOOD	IC 6 GOOD	IC 7 GOOD	IC 8 GOOD
IC 9 GOOD	IC 10 GOOD	IC 11 GOOD	IC 12 GOOD
IC 13 GOOD	IC 14 GOOD	IC 15 GOOD	IC 16 GOOD
IC 17 GOOD	IC 18 GOOD	IC 19 GOOD	IC 20 GOOD

<RAM>

IC17 GOOD	IC18 GOOD	IC94 GOOD
-----------	-----------	-----------

PRESS TEST BUTTON TO EXIT

Selecting the MEMORY test on the test mode menu screen causes the on board memory to be tested automatically. The game board is satisfactory if the display beside each IC No. shows GOOD.

INPUT TEST

	PLAYER 1	PLAYER 2
TRIGGER	off	off
START	off	off
COIN CHUTE #1	off	
COIN CHUTE #2	off	
SERVICE	off	
TEST		

PRESS TEST BUTTON TO EXIT

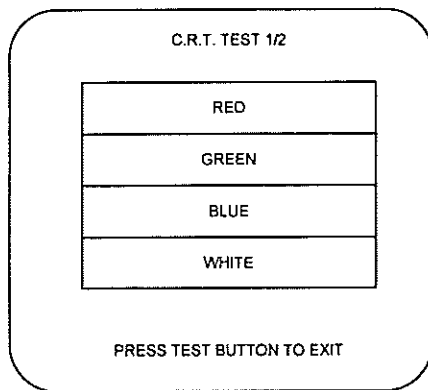
Selecting INPUT test on the test mode menu screen causes the screen shown to be displayed. Press each switch in turn. If the display beside each switch indicates "ON", the switch and wiring connections are satisfactory.

SOUND TEST

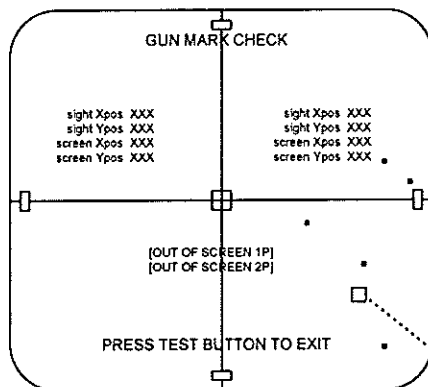
VOICE
EFFECT
B.G.M
> EXIT

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON

In the TEST mode selecting SOUND test causes the screen shown to be displayed. Be sure to check if the sound is satisfactorily emitted from each speaker and the volume is appropriate.



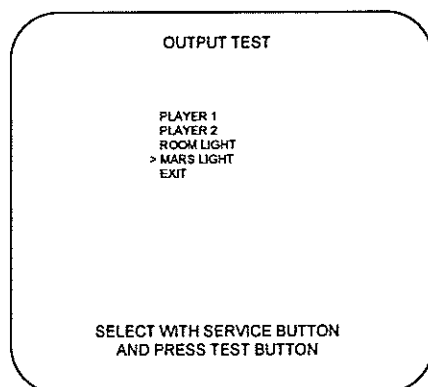
In the TEST mode selecting C.R.T test allows the screen on which the projector is tested to be displayed. Although the projector has been adjusted prior to shipment from the factory, colour deviation etc. may occur due to the effect of geomagnetism, the location buildings steel work and other game machines in the vicinity. By watching the test screen a judgement can be made as to whether further adjustment is required. If it is necessary, adjust the projector by referring to the instructions in Appendix B.



In the TEST mode selecting GUN SETTING displays the screen shown. It allows the sighting of the gun to be checked. Check to see if there are any problems for playing the game.



Select OUTPUT TEST from the TEST menu to check if all lamps are operating correctly.



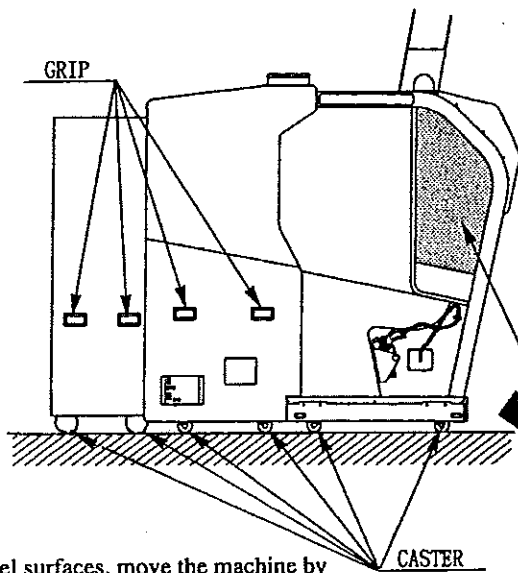
Carry out the above tests also at the time of monthly inspection.

7.6. MOVING THE MACHINE

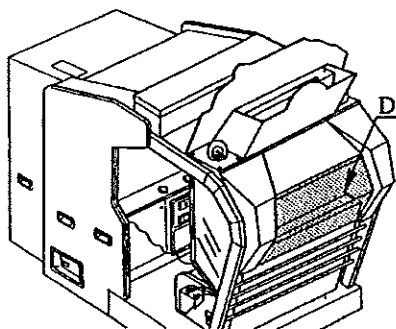


CAUTION!

- When moving the machine, be sure to remove the plug from the power supply. Moving the machine with the plug inserted can cause the power cord to be damaged, resulting in a fire or electric shock.
- When moving the machine, retract the leg adjusters fully and ensure the casters make contact with the floor. During movement pay careful attention so that the casters or leg adjusters do not damage any other cabling laid on the floor. Such damage could result in a fire or electric shock.
- When moving the product where there are step like differences in grade be sure to separate the machine into each cabinet part. Moving the cabinet without separating it into each cabinet part can cause damage to the joint parts and injury during transportation.
- When moving the machine use only the grip portions and the bottom part. Pushing the machine on undesigned portions can cause injury and parts damage.



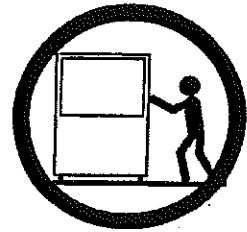
On level surfaces, move the machine by causing the Casters to make contact with the surfaces.



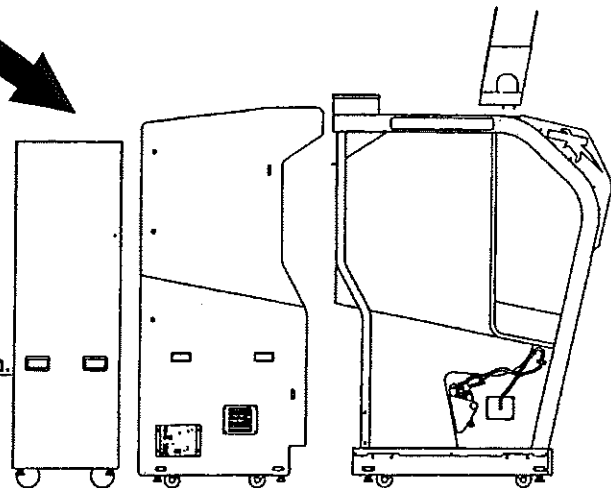
Do not push this portion.



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.



Do not push this portion.



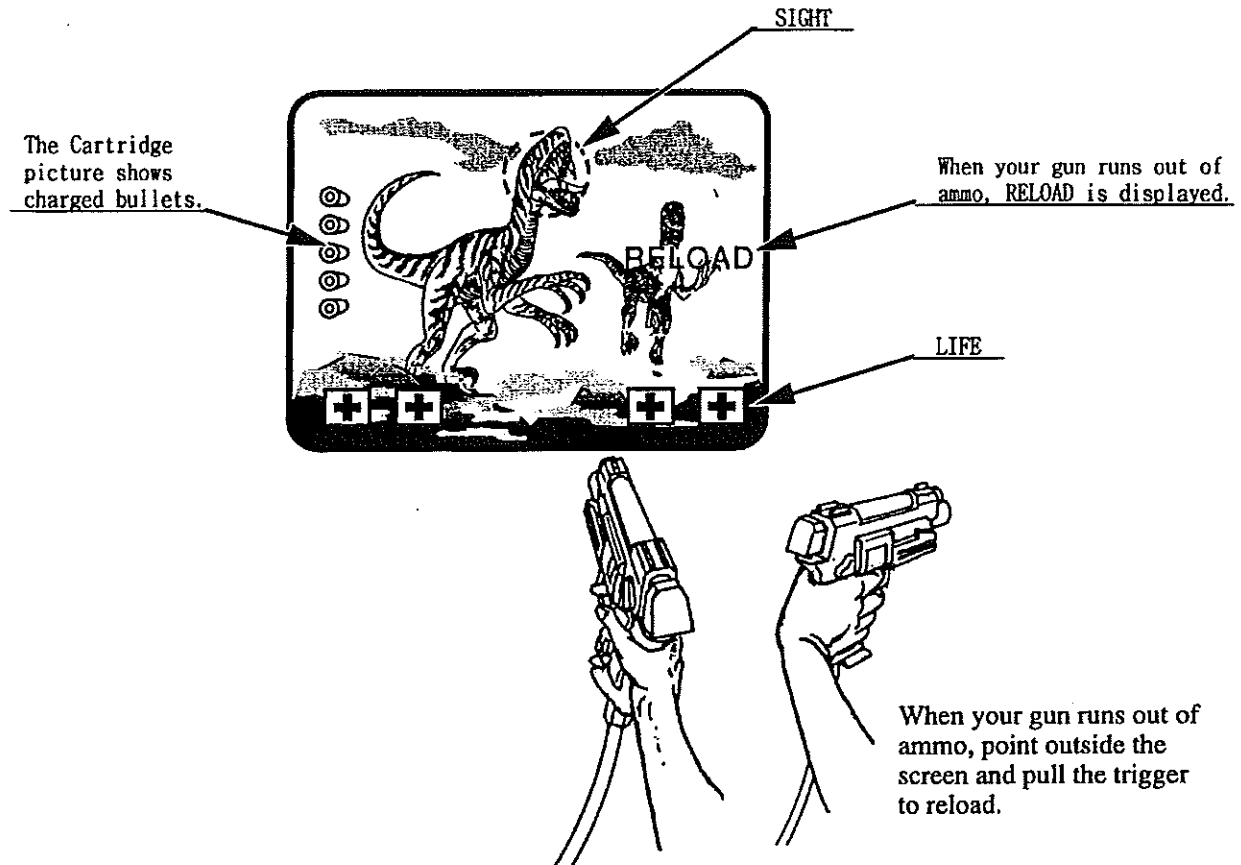
Where there are steps (or step-like differences in grade), move the machine by separating into each unit.

8. HOW TO PLAY

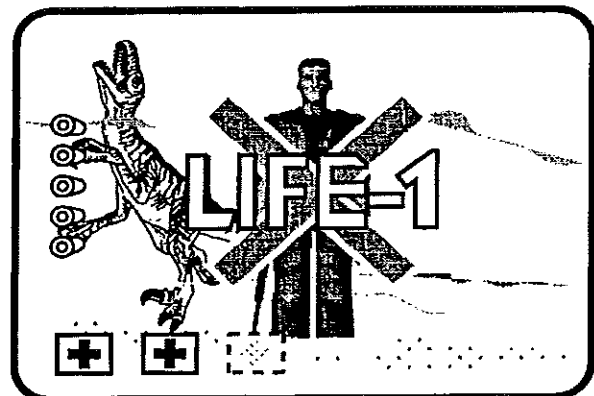
Insert coins to gain credits (maximum of 9 credits - any further coins will not receive credits). The display changes from "INSERT COINS" to "PUSH START" to indicate that the game is ready to play. Note that a game set to USA allows up to 24 credits to be counted.

Press the start button.

After starting the game the title of the stage will be displayed.



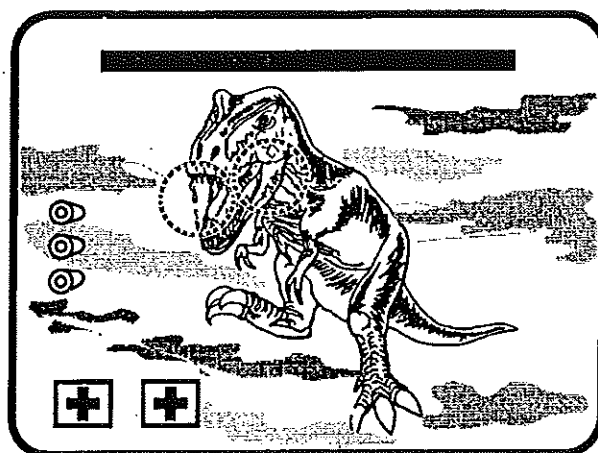
- The number of remaining lives and bullets is displayed in the lower left hand side of the screen for player 1 and the right hand side for player 2.
- You lose 1 life when a dinosaur successfully attacks you.
- Shooting a human also loses 1 life



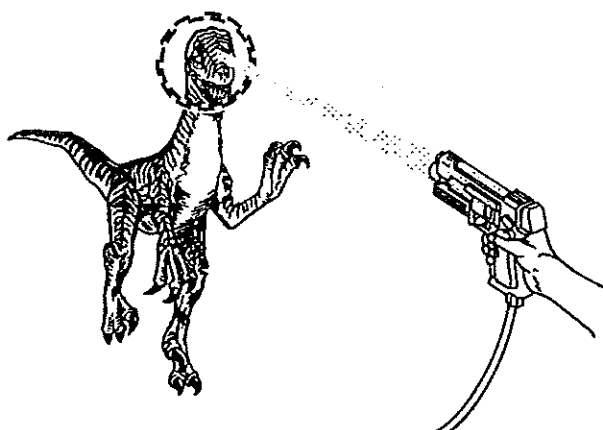
Shooting a human by mistake loses one life.

- The gun hold 5 bullets. When you run out of ammo, "RELOAD" is displayed on the screen. To reload the gun move the aiming point outside the screen.

- When the number of lives becomes zero the game is over.
- Killing the boss character at the end of each stages means you have completed that stage. To kill the boss character you must reduce its life meter to zero.
- Shooting certain items or completing a specific event allows you to capture additional items. These items can add to your number of lives or add to your weapons. A specific explanation of each item is contained later in this manual.



- The sight mark sometimes appears on the enemy. Shoot the enemy before the sight turns red. If you do not you may lose a life or similar event occur.



- When fighting the boss character at the end of each stage, if 2 players are playing and all the sight marks are not shot in time, one of the players may be taken away by the boss character.
 - The player who is taken away by the boss character will remain on the screen, between the dinosaurs teeth. For the purpose of this explanation this player will be called Player A.
 - The player who is not taken away will be called Player B.

Player A who
is taken away.



SIGHT

(A)

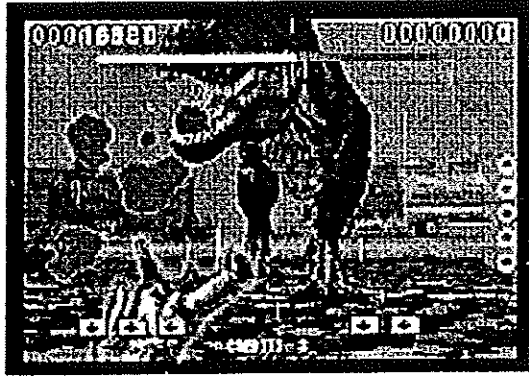


(B)



- Player B can rescue Player A, such that the Player A does not lose a life, by shooting all of sights before they turn red.

- Player A cannot shoot, however he can extend the time for the sights to go red by repeatedly pressing the Start Button.
- If Player B fails to shoot all the sights before they turn red, Player A loses a life and Player B may be attacked.

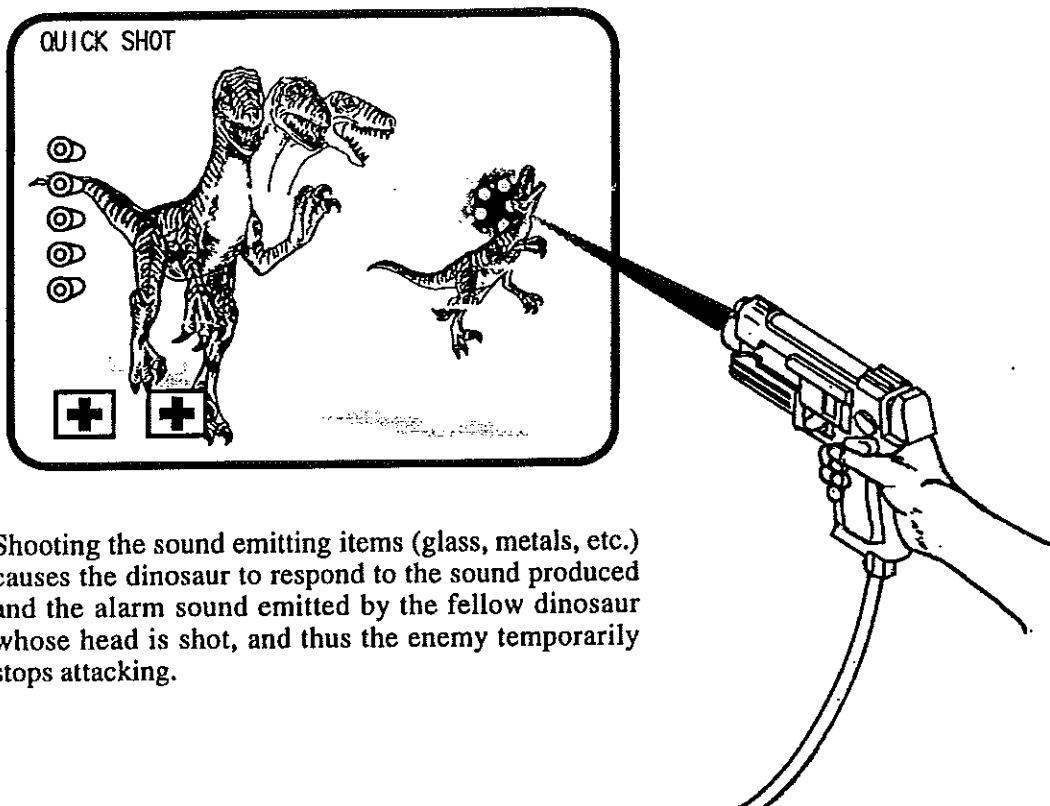


- Any person can join the game at any time. To do this either press the start button if it is flashing or insert coin(s) to make the start button flash.
- When the life points become zero the screen will display "CONTINUE" and a countdown number. If you wish to continue and the start button is not flashing, insert coin(s) to make the start button flash and press the start button. You must do this before the countdown has reached zero otherwise the game will end.
- When the game is complete, if the players score ranks 10th or better, the players name can be entered.

8.1. HINTS ON HOW TO PLAY

• DISTRACTING ATTACKERS

In any stage if you shoot an object that makes a sound, i.e. glass, metal or wood, the dinosaurs will be distracted, they will stop there attack and look at the source of the noise. Use this technique when too many attackers surround you.



Shooting the sound emitting items (glass, metals, etc.) causes the dinosaur to respond to the sound produced and the alarm sound emitted by the fellow dinosaur whose head is shot, and thus the enemy temporarily stops attacking.

• SHOOT THE HEAD

In any stage the head is the weak part of any attacker apart from the boss characters. Shooting the head creates a load alarm. The effect of this is similar to shooting an object that makes a sound.

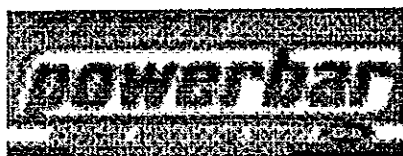
- **SUCCESSFULLY PERFORM AN EVENT**

During each stage various tasks will be presented. Completing them successfully will allow rapid advance through the stage. Failing to complete the task will cause the attackers to become more furious.

- **CONTINUOUS HITS**

Hitting target(s) without missing earns high points.

8.2. SPECIAL ITEMS



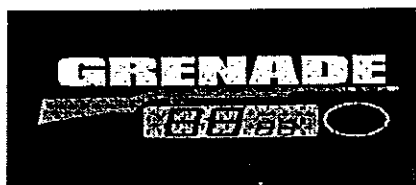
S-POWERBAR (SPECIAL POWER BAR)

This increases your "LIFE" by one.



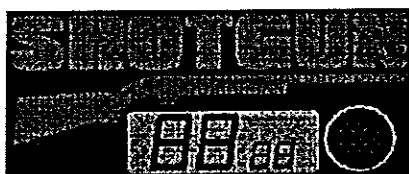
POWERBAR

Collecting 3 POWERBARs increases your "LIFE" by one.



GRENADE

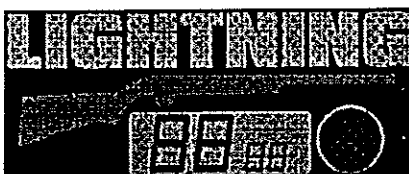
Where this lands causes damage over a large area. There is no limit to the number of times it can be used. When the countdown timer reaches zero it returns to an ordinary gun.



SHOTGUN

This causes a wide area of damage wherever it is aimed.

There is no limit to the number of times it can be used. When the countdown timer reaches zero it returns to an ordinary gun.



LIGHTNING

Within a limit this weapon is self guiding.

There is no limit to the number of times it can be used. When the countdown timer reaches zero it returns to an ordinary gun.



LASER-SIGHT

The weapon will hit where the red light appears on the screen.

There is no limit to the number of times it can be used. When the countdown timer reaches zero it returns to an ordinary gun.

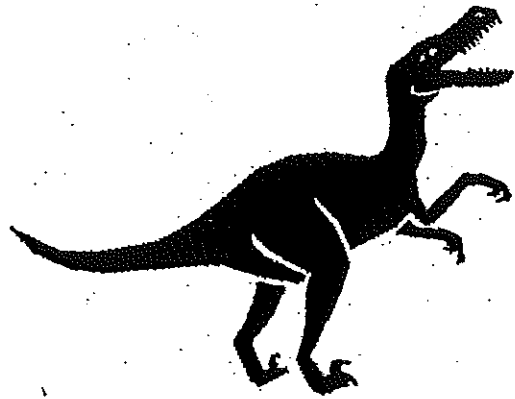
8.3. DINOSAURS

VELOCIRAPTOR

Alias: RAPTOR

Weight: 45kg Length: 2m Flesh Eater

One of the most ferocious dinosaurs in The Lost World. It catches its prey using its fast speed and long curved claws on its back legs. An intelligent dinosaur who hunt in packs.

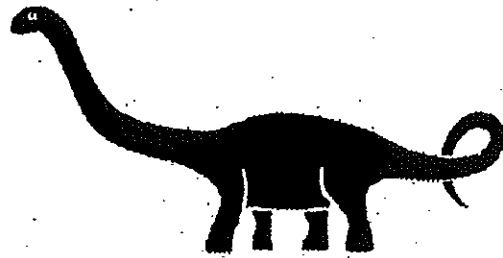


Appearance in all stages.

MAMENCHISAURUS

Weight: 12t Length: 22m Plant Eater

Mamenchisaurus had a neck half its overall length. This is the highest proportion ever recorded. They may have been able to stand on their hind legs as they could not lift their heads up very high.

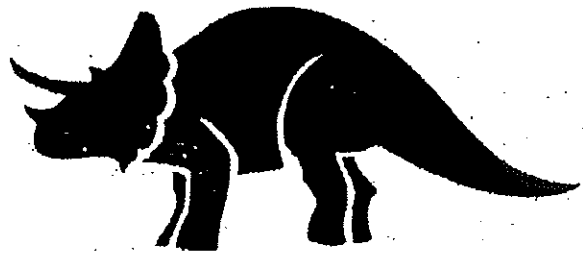


Appearance in Stage 2.

TRICERATOPS

Weight: 6t Length: 9m Plant Eater

The main feature of this dinosaur is its three horns from which it gets its name. It is a gentle animal, but has a sharp beak-like mouth.



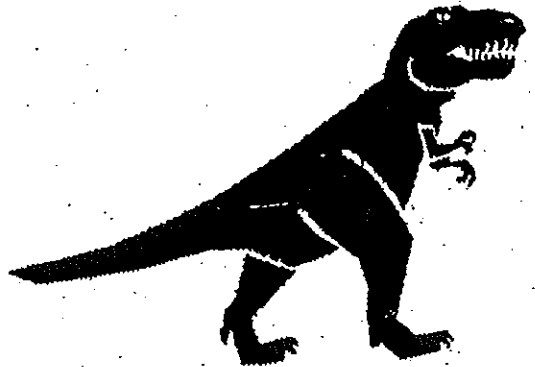
Appearance in Stage 1.

TYRANNOSAURUS-REX

Alias T-Rex

Weight: 6.5t Length: 12m Flesh Eater

This is probably the most well known dinosaur. Immensely strong with large 17 cm teeth and the ability to run at high speed, the T-Rex presents the biggest threat to players.



Appearance in Stage 1 & 2

GALLIMIMUS

Weight: 130kg Length: 4m Omnivore

The herds of this dinosaur running are reminiscent of "Jurassic Park". Its skeletal structure is similar to modern day ostriches. It is the fastest of the dinosaurs and will eat anything from insects to small lizards.

Appearance in Stage 2

STEGOSAURUS

Weight: 1.5t Length: 6m Plant Eater

A large body, small head and spinal plates distinguish this dinosaur. The spines on the tail are believed to be for defence. The animal is also believed to congregate in groups.

Appearance in Stage 1.

DILOPHOSAURUS

Alias: Spitter

Weight: 1t Length: 6m Flesh Eater

Made famous by its appearance as the poison spitting dinosaur in "Jurassic Park". Its other notable feature is its multi coloured muffler around its neck.

Appearance in Stage 1.

PACHYCEPHALOSAURUS

Alias: Pachy

Weight: ? Length: 4.5m Plant Eater

Not much is known about this animal. The helmet portion of its skull can be up to 25 cm thick and surrounded by spines. Did they use their heads to fight each other and other dinosaurs?

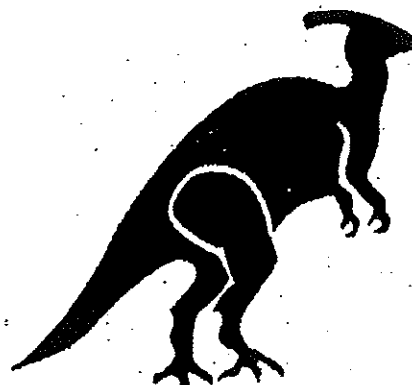
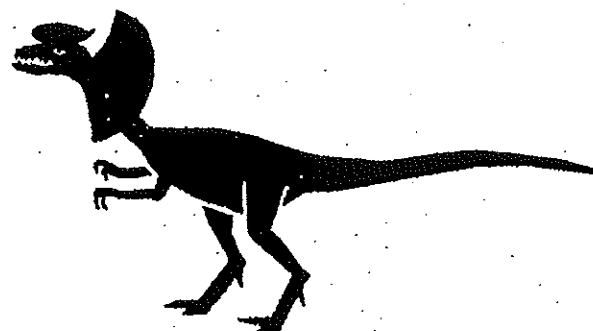
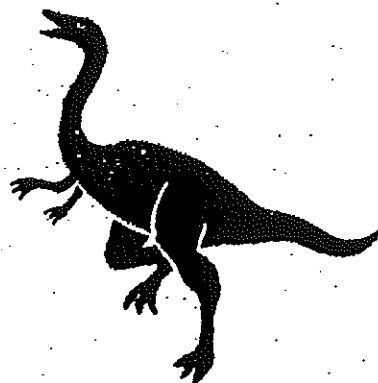
Appearance in Stage 2.

PARASAUROLOPHUS

Weight: ? Length: 10m Plant Eater

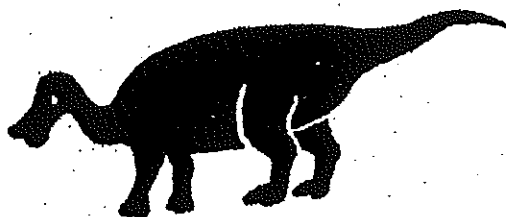
The length of the cristated, cylindrical portion of the head is approximately 1 meter. It is believed that it is used to produce sound which can travel over considerable distance. The sounds produced are used for communication and also for mating.

Appearance in Stage 2.



ANATOSAURUS

Weight: 3t Length: 10m Plant Eater
This belongs to the same family of duck-billed dinosaurs as the Parasaurolophus. Its main characteristic is its wide flat beak. At the back of which are hard teeth to allow it to eat hard nuts etc.



Appearance in Stage 2.

PROCOMPSOGNATHUS

Alias: COMPY
Weight: 3kg Length: 60cm Flesh Eater
This is one of the smallest dinosaurs, only about chicken sized. It is extremely fast and whilst its normal prey is lizards etc. in groups they have been known to attack humans!!



Appearance in Stages 1,3 & 5.

DEINOSUCHUS

Weight: ? Length: 15m Flesh Eater
The name means "fearful alligator". Although not a true dinosaur, this ferocious meat eater had to be included. Similar in looks to modern day alligator it size is very large. Apart from its teeth its main weapon is its tail.



Appearance in Stage 2.

PTERANODON

Weight: 17kg Length: 7m wingspan
Flesh Eater
The name means "winged toothless one". More a glider than a bird, it cruises the air currents catching prey with its sharp beak.



Appearance in Stage 4

CARNOTAURUS

Weight: ? Length: 12m Flesh Eater
Its characteristics are the two horns on its head. In the novel "The Lost World" it is called the Chameleon Dinosaur. It uses its ability to disappear into the background to catch its prey.



9. MAINTENANCE INSTRUCTIONS.

The maintenance area is located behind the coin chute doors. To gain access to this area use the keys supplied.

Use the switches on the VTS to enter the TEST MODE. This will allow you to carry out post installation and periodic checks and adjustments. The following section details the function of each of the tests:



IMPORTANT!

- Be very careful about entering TEST MODE. If the machine you wish to test is linked to other machines, exiting test on your machine will cause a network check to be carried out. This will disable all other machines linked to it.
- This machine should not be cleaned with a jet of water.

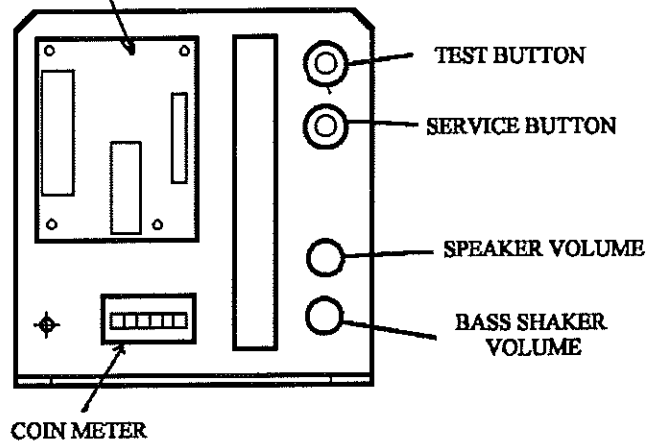
ITEM	DESCRIPTION	REFERENCED SECTIONS
INSTALLATION OF THE MACHINE	When the machine is installed perform the following checks: • Check to see that each setting is as per the standard settings input at the time of shipment. • In the INPUT TEST mode, check each switch and V.R. • In the OUTPUT TEST mode, check each of the lamps. • In the MEMORY TEST mode check all of the IC's on the IC BD.	9.2.6 9.2.3 9.2.9 9.2.2
MEMORY	• On the TEST MENU screen choosing the MEMORY TEST allows self test to be performed. In this test RAM & ROM are tested.	9.2.2
PERIODIC MAINTENANCE	Periodically perform the following • MEMORY TEST. • Ascertain each setting. • In the INPUT TEST mode, test the control devices. • In the OUTPUT TEST mode, check each of the lamps.	9.2.2 9.2.6/9.2.8 9.2.3 9.2.9
CONTROL SYSTEM	• In the INPUT TEST mode, check each switch and V.R.	9.2.3
PROJECTOR	• In the C.R.T. TEST mode, check to ensure the monitor is adjusted correctly	9.2.5
IC BOARD	MEMORY TEST • In the SOUND TEST mode, check the sound related ROMs	9.2.2
DATA CHECK	• Check such data as held in the bookkeeping screens, relating to number and length of plays	9.2.10

9.1. VTS ASSEMBLY



- Do not touch places other than those specified. Touching places not specified could cause an electric shock or short circuit.

KLINGON PLUS BOARD



Opening the Coin Chute door will reveal the VTS Assembly shown above. The function of each switch is as follows.

TEST BUTTON
(TEST SW)

Used to enter TEST mode. Also has function during TEST mode. Refer to the later section detailing TEST mode.

SERVICE BUTTON
(SERVICE SW)

Gives credits without registering on the coin counter. Also used during TEST mode.

VOLUME CONTROL SPEAKERS

Adjusts the volume of the speakers.

VOLUME CONTROL BASS SHAKERS

Adjusts the volume of the bass shakers.

The control panel switches can also be used in the place of the VTS switches:

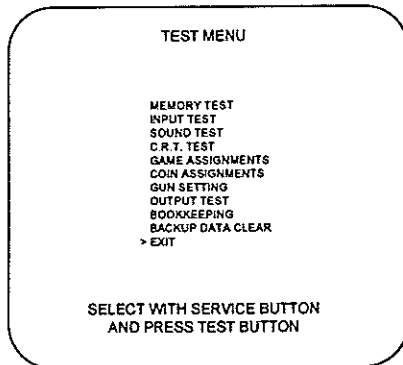
9.2. TEST MODE

The TEST MODE allows the functioning of each part of the machine to be checked. In addition game configuration and coin configuration changes can be made within TEST MODE.



- When setting changes are made within TEST MODE, be sure to exit from TEST MODE using the exit options. If you turn the power off and then on without having exited correctly the changes you made will not take effect.

9.2.1. MEMORY TEST



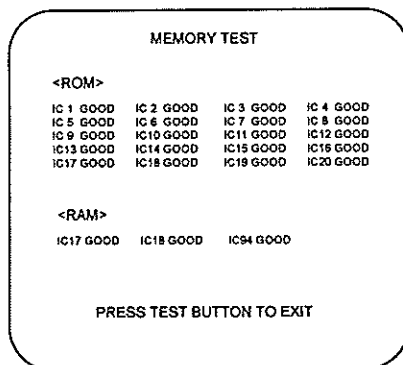
Press the TEST BUTTON to bring up the screen shown to the left.

Press the SERVICE BUTTON to move downwards through the list. The current selection is shown by the arrow.

Press the TEST BUTTON to activate the selected test.

To finish TEST MODE, move the arrow to EXIT and press the TEST.

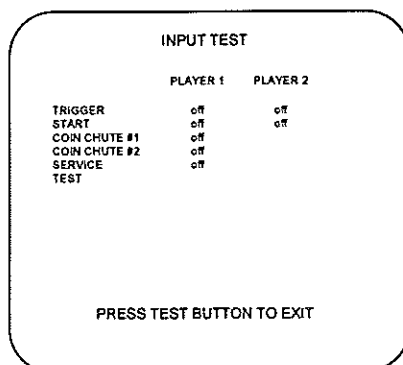
9.2.2. MEMORY TEST



The MEMORY TEST is for checking the operation of the on board memory IC's.

- When the test is complete if the picture shown left is displayed, it is satisfactory.
- To exit the test press the TEST BUTTON.

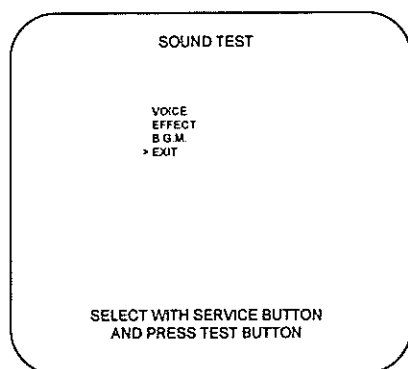
9.2.3. INPUT TEST



The INPUT TEST is for checking the operation of the switches on the game.

- Pressing each switch will cause its indicator to change from off to on.
- To exit this test press the TEST BUTTON

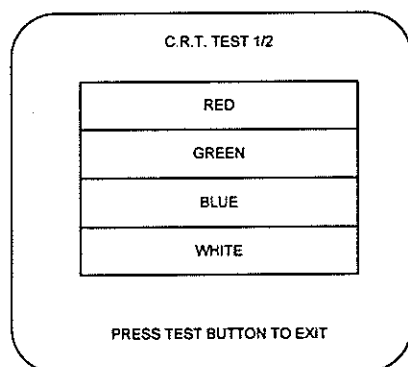
9.2.4. SOUND TEST



This test enables both the sound related on board memory and each speaker to be tested.

- Using the SERVICE BUTTON move the arrow the the range of sound you wish to test.
- Use the TEST BUTTON to step through each sound sequentially.
- To exit this test chose EXIT with the SERVICE BUTTON and press the TEST BUTTON.

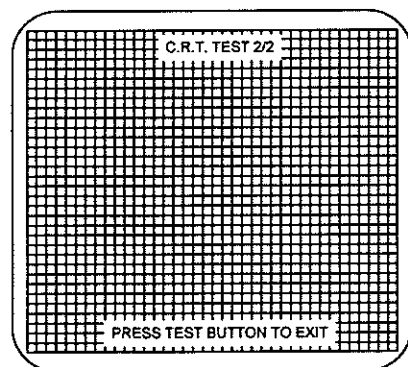
9.2.5. C.R.T. TEST



Select the C.R.T. TEST will cause the Projector to display the screen shown on the left. Use this test to check the adjustment of the projector.

- Each colour bar should be aligned with each other.
- The overall brightness should be acceptable.
- If adjustment is necessary please refer to the appropriate section at the rear of this manual.

To move to the next page of this test press the TEST BUTTON

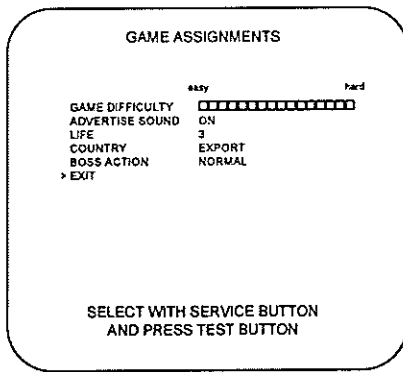


This screen is used to check the size and distortion of the projector.

- Check that the crosshatch goes to the edges of the screen and that it is not distorted.
- If adjustment is necessary please refer to the appropriate section at the rear of this manual.

To exit this test press the TEST BUTTON

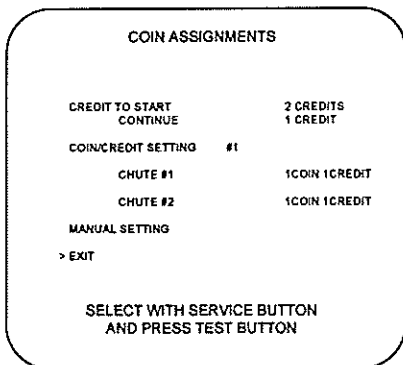
9.2.6. GAME ASSIGNMENTS



This test displays and allows the setting of various game settings, such as difficulty etc.

- Move the arrow to your desired setting using the SERVICE BUTTON.
- Press the TEST BUTTON to cycle through the available options.
 - GAME DIFFICULTY - This can be set to one of 16 levels.
 - ADVERTISE SOUND - On causes the game to emit sound when it not being played.
 - LIFE - The number of lives given to each player on starting or continuing the game. This can be set between 1 and 9.
 - COUNTRY - This is set to the applicable destination country at time of manufacture. It cannot be changed.
 - BOSS ACTION - NORMAL enables lives to be recovered. MILD disable the feature.

9.2.7. COIN ASSIGNMENTS



Allows the setting of the number of credits required to start the game and the number of credits to continue the game.

- Use the SERVICE BUTTON to select the CREDIT TO START item.
- Use the TEST BUTTON to select one of the 11 combinations detailed below. Section 9.2.7.1

Also allows the setting of the number of coins required to generate credits.

- Use the SERVICE BUTTON to select the COIN/CREDIT item.
- Use the TEST BUTTON to select one of the 27 combinations detailed below. Section 9.2.7.2/3

If the pre programmed settings are not what you require use the MANUAL SETTING feature.

- Use the SERVICE BUTTON to select the MANUAL SETTING item.
- Use the TEST BUTTON to select one of the combinations detailed below. Section 9.2.7.4

9.2.7.1.CREDIT TO START/CREDIT TO CONTINUE

Allows the number of credits required to start and continue the game to be set.

START	1	2	3	3	4	4	4	5	5	5	5
CONTINUE	1	1	1	2	1	2	3	1	2	3	4

9.2.7.2.COIN/CREDIT SETTING (COIN CHUTE COMMON TYPE)

SETTING	FUNCTIONING OF COIN CHUTE #1		FUNCTIONING OF COIN CHUTE #2	
SETTING #1	1 COIN	1 CREDIT	1 COIN	1 CREDIT
SETTING #2	1 COIN	2 CREDITS	1 COIN	1 CREDIT
SETTING #3	1 COIN	3 CREDIT	1 COIN	1 CREDIT
SETTING #4	1 COIN	4 CREDITS	1 COIN	1 CREDIT
SETTING #5	1 COIN	5 CREDITS	1 COIN	1 CREDIT
SETTING #6	1 COIN	2 CREDITS	1 COIN	2 CREDITS
SETTING #7	1 COIN	5 CREDITS	1 COIN	2 CREDITS
SETTING #8	1 COIN	3 CREDITS	1 COIN	3 CREDITS
SETTING #9	1 COIN	4 CREDITS	1 COIN	4 CREDITS
SETTING #10	1 COIN	5 CREDITS	1 COIN	5 CREDITS
SETTING #11	1 COIN	6 CREDITS	1 COIN	6 CREDITS
SETTING #12	2 COINS	1 CREDIT	2 COINS	1 CREDIT
SETTING #13	1 COIN	1 CREDIT	2 COINS	1 CREDIT
SETTING #14	1 COIN	2 CREDITS	2 COINS	1 CREDIT
SETTING #15	1 COIN 2 COINS	1 CREDIT 3 CREDITS	1 COIN 2 COINS	1 CREDIT 3 CREDITS
SETTING #16	1 COIN	3 CREDITS	1 COIN 2 COINS	1 CREDIT 3 CREDITS
SETTING #17	3 COINS	1 CREDIT	3 COINS	1 CREDIT
SETTING #18	4 COINS	1 CREDIT	4 COINS	1 CREDIT
SETTING #19	1 COIN 2 COINS 3 COINS 4 COINS	1 CREDIT 2 CREDITS 3 CREDITS 5 CREDITS	1 COIN 2 COINS 3 COINS 4 COINS	1 CREDIT 2 CREDITS 3 CREDITS 5 CREDITS
SETTING #20	1 COIN	5 CREDITS	1 COIN 2 COINS 3 COINS 4 COINS	1 CREDIT 2 CREDITS 3 CREDITS 5 CREDITS
SETTING #21	5 COINS	1 CREDIT	5 COINS	1 CREDIT
SETTING #22	1 COIN	2 CREDITS	3 COINS 5 COINS	1 CREDIT 2 CREDITS
SETTING #23	2 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS	2 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS
SETTING #24	1 COIN	3 CREDITS	2 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS
SETTING #25	1 COIN 2 COINS 3 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS 4 CREDITS 6 CREDITS	1 COIN 2 COINS 3 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS 4 CREDITS 6 CREDITS
SETTING #26	1 COIN	6 CREDITS	1 COIN 2 COINS 3 COINS 4 COINS 5 COINS	1 CREDIT 2 CREDITS 3 CREDITS 4 CREDITS 6 CREDITS
SETTING #27	FREE PLAY		FREE PLAY	

9.2.7.3.COIN/CREDIT SETTING (COIN CHUTE INDIVIDUAL TYPE)

SETTING	FUNCTIONING OF COIN CHUTE #1	
SETTING #1	1 COIN	1 CREDIT
SETTING #6	1 COIN	2 CREDITS
SETTING #8	1 COIN	3 CREDITS
SETTING #9	1 COIN	4 CREDITS
SETTING #10	1 COIN	5 CREDITS
SETTING #11	1 COIN	6 CREDITS
SETTING #12	2 COINS	1 CREDIT
SETTING #15	1 COIN	1 CREDIT
	2 COINS	3 CREDITS
SETTING #17	3 COINS	1 CREDIT
SETTING #18	4 COINS	1 CREDIT
SETTING #19	1 COIN	1 CREDIT
	2 COINS	2 CREDITS
	3 COINS	3 CREDITS
	4 COINS	5 CREDITS
SETTING #21	5 COINS	1 CREDIT
SETTING #22	3 COINS	1 CREDITS
	5 COINS	2 CREDITS
SETTING #23	2 COINS	1 CREDIT
	4 COINS	2 CREDITS
	5 COINS	3 CREDITS
SETTING #25	1 COIN	1 CREDIT
	2 COINS	2 CREDITS
	3 COINS	3 CREDITS
	4 COINS	4 CREDITS
	5 COINS	6 CREDITS
SETTING #27	FREE PLAY	

9.2.7.4.MANUAL SETTING

**COIN ASSIGNMENTS
MANUAL SETTING**

COIN TO CREDIT
BONUS ADDER

COIN CHUTE #1 MULTIPLIER
1 COIN COUNTS AS 1 COIN

COIN CHUTE #2 MULTIPLIER
1 COIN COUNTS AS 1 COIN

> EXIT

1 COIN 1 CREDIT

NO BONUS ADDER

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON

1. Determines the Coin/Credit Setting.
2. This sets how many extra coins are registered depending on number entered.
3. This sets how much each coin represents.

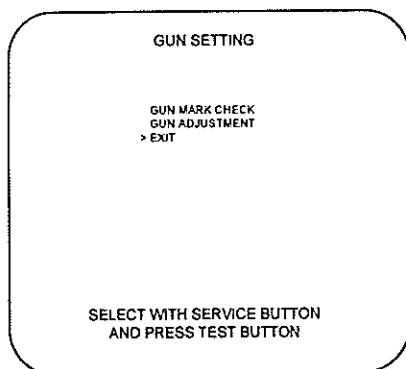
MANUAL SETTING

COIN TO CREDIT	1 COIN	1 CREDIT
	2 COINS	1 CREDIT
	3 COINS	1 CREDIT
	4 COINS	1 CREDIT
	5 COINS	1 CREDIT
	6 COINS	1 CREDIT
	7 COINS	1 CREDIT
	8 COINS	1 CREDIT
	9 COINS	1 CREDIT

BONUS ADDER	NO BONUS ADDER
	2 COINS GIVE 1 EXTRA COIN
	3 COINS GIVE 1 EXTRA COIN
	4 COINS GIVE 1 EXTRA COIN
	5 COINS GIVE 1 EXTRA COIN
	6 COINS GIVE 1 EXTRA COIN
	7 COINS GIVE 1 EXTRA COIN
	8 COINS GIVE 1 EXTRA COIN
	9 COINS GIVE 1 EXTRA COIN

COIN CHUTE MULTIPLIER	1 COIN COUNTS AS 1 COIN
	1 COIN COUNTS AS 2 COINS
	1 COIN COUNTS AS 3 COINS
	1 COIN COUNTS AS 4 COINS
	1 COIN COUNTS AS 5 COINS
	1 COIN COUNTS AS 6 COINS
	1 COIN COUNTS AS 7 COINS
	1 COIN COUNTS AS 8 COINS
	1 COIN COUNTS AS 9 COINS

9.2.8. GUN SETTING



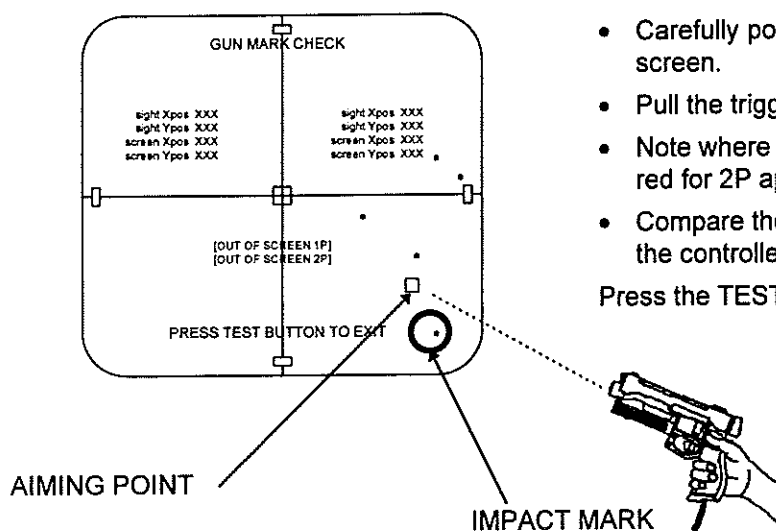
This test allows access to the two gun setting screens.

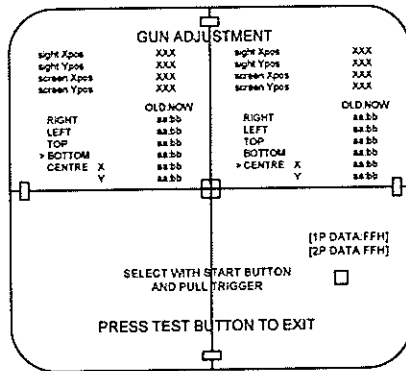
- Use the SERVICE BUTTON to select either:
 - GUN MARK CHECK - use this test to check the accuracy of the guns.
 - GUN ADJUSTMENT - use this to make adjustments to the gun sighting system.
- Press the TEST BUTTON to enter the test.

This is the GUN MARK CHECK screen.

- Carefully point the controller at a point on the screen.
- Pull the trigger.
- Note where the IMPACT MARK, blue for 1P red for 2P appears on the screen.
- Compare the two positions, if they are different the controller needs adjustment.

Press the TEST BUTTON to exit this screen.

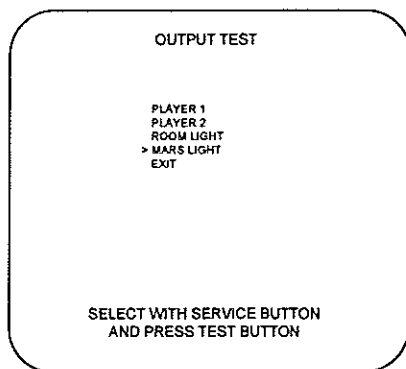




This is the GUN ADJUSTMENT screen. To adjust the controllers follow this procedure.

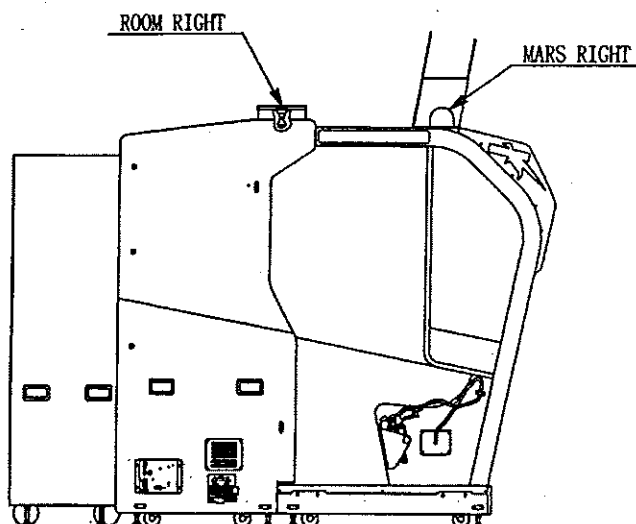
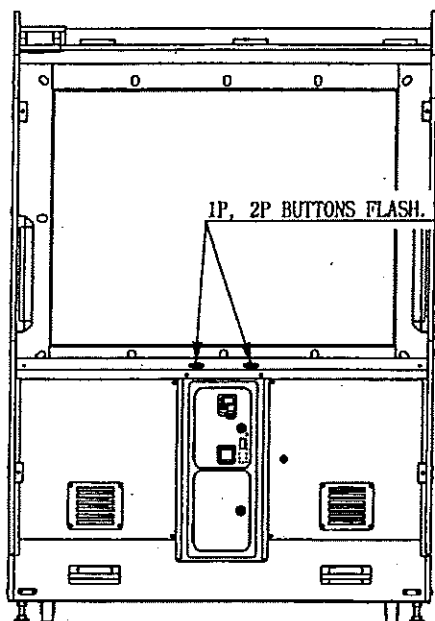
- Use the controls i.e. START BUTTON and controller for each side together.
- The old values on the screen refer to the current one stored.
- The new values on the screen are set using the steps detailed below.
- **To set the values you must exit this test by using the TEST BUTTON.**
 - Using the START BUTTON on the control panel select RIGHT.
 - Using the appropriate controller aim at the square on the right hand side of the screen.
 - Pull the trigger.
 - Using the START BUTTON on the control panel select LEFT.
 - Using the appropriate controller aim at the square on the left hand side of the screen.
 - Pull the trigger.
 - Using the START BUTTON on the control panel select TOP.
 - Using the appropriate controller aim at the square on the top of the screen.
 - Pull the trigger.
 - Using the START BUTTON on the control panel select BOTTOM.
 - Using the appropriate controller aim at the square on the bottom of the screen.
 - Pull the trigger.
 - Using the START BUTTON on the control panel select CENTRE.
 - Using the appropriate controller aim at the square in the centre of the screen.
 - Pull the trigger.

9.2.9. OUTPUT TEST



Allows the test of the lamps fitted to the machine.

- Select the item you wish using the SERVICE BUTTON.
- PLAYER 1 will flash the START LAMP for Player 1.
- PLAYER 2 will flash the START LAMP for Player 2.
- ROOM LIGHT will flash the room lamps.
- MARS LIGHT will flash the PATO LAMPS on the top of the machine.



9.2.10.BOOKKEEPING

BOOKKEEPING 1/2

COIN CHUTE #1	XXXXXXXXXXXX
COIN CHUTE #2	XXXXXXXXXXXX
TOTAL COINS	XXXXXXXXXXXX
COIN CREDITS	XXXXXXXXXXXX
SERVICE CREDITS	XXXXXXXXXXXX
TOTAL CREDITS	XXXXXXXXXXXX
NUMBER OF GAMES	XXXXXXXXXXXX
TOTAL TIME	XXXXXXXXXXXX
PLAY TIME	XXXXXXXXXXXX
AVERAGE PLAY TIME	XXXXXXXXXXXX
LONGEST PLAY TIME	XXXXXXXXXXXX
SHORTEST PLAY TIME	XXXXXXXXXXXX

PRESS TEST BUTTON TO EXIT

This is Page 1 of 2.

- COIN CHUTE #1,2: Number of coins put into each coin chute.
- TOTAL COINS: Total number of activations of coin chutes.
- COIN CREDITS: Number of credits registered by inserting coins.
- SERVICE CREDITS: Number of credits obtained by pressing SERVICE BUTTON.
- TOTAL CREDITS: =COIN CREDITS+SERVICE CREDITS.
- NUMBER OF GAMES: Total number of plays.
- TOTAL TIME: Total energized time.
- AVERAGE PLAY TIME: As per title
- LONGEST PLAY TIME: As per title
- SHORTEST PLAY TIME: As per title

Displays the frequency of play for each time band.

Can be used to determine the alteration of difficulty level.

- To exit press the TEST BUTTON

BOOKKEEPING 2/2

TIME HISTOGRAM

0400S - 0429S	XXXXXXXXXXXX
0430S - 0459S	XXXXXXXXXXXX
0500S - 0529S	XXXXXXXXXXXX
0530S - 0559S	XXXXXXXXXXXX
0600S - 0629S	XXXXXXXXXXXX
0630S - 0659S	XXXXXXXXXXXX
0700S - 0729S	XXXXXXXXXXXX
0730S - 0759S	XXXXXXXXXXXX
0800S - 0829S	XXXXXXXXXXXX
0830S - 0859S	XXXXXXXXXXXX
0900S - 0929S	XXXXXXXXXXXX
0930S - 0959S	XXXXXXXXXXXX
1000S - 1029S	XXXXXXXXXXXX
1030S - 1059S	XXXXXXXXXXXX
1100S - 1129S	XXXXXXXXXXXX
1130S - 1159S	XXXXXXXXXXXX
1200S - 1229S	XXXXXXXXXXXX
1230S - 1259S	XXXXXXXXXXXX
OVER	XXXXXXXXXXXX

PRESS TEST BUTTON TO EXIT

9.2.11.BACKUP DATA CLEAR

BACKUP DATA CLEAR

> YES(CLEAR)
NO(CANCEL)

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON

- Select using SERVICE BUTTON
- YES - Clears all BOOKKEEPING data and player high scores.
- NO - Returns to TEST MODE screen.

Note: GAME ASSIGNMENTS and GUN ADJUSTMENT are not altered by this function.

10. SERVICE INSTRUCTIONS



- Periodic servicing must only be carried out by Qualified Service Personnel. Ensure that the mains power is switch OFF and disconnected before attempting any work.

10.1. CONTROLLER(GUN)

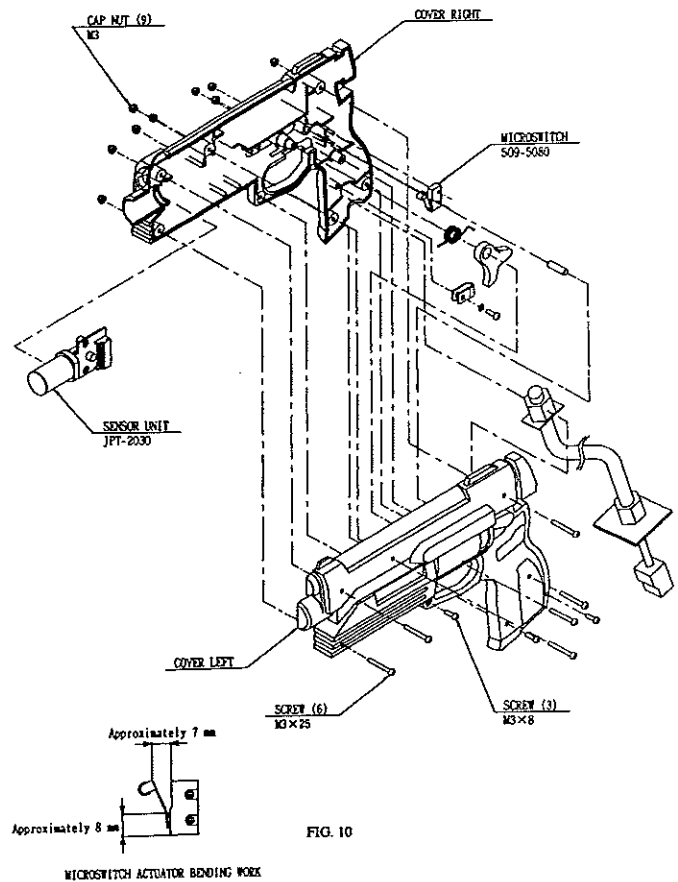
If the guns operation is not satisfactory or the sight deviates from the direction in which the gun is pointed then the guns interior parts may have been damaged. Replace the parts by following the steps outlined below.

REPLACING THE MICROSWITCH

1. Disassemble the gun.
2. Pull out the microswitch from the COVER RIGHT.
3. Take out the microswitch by desoldering the wires to it.
4. Bend the new microswitch actuator as shown.
5. Solder the new microswitch in position and re-assemble the gun.
6. Check the microswitch can be turned on/off correctly by operating the trigger.

REPLACING THE SENSOR UNIT

1. Disassemble the gun as before.
2. Remove the sensor unit from the COVER RIGHT and replace with the new unit.

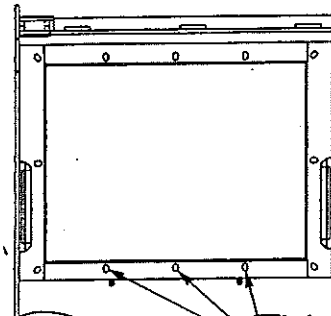


10.2. MASK LED REPLACEMENT

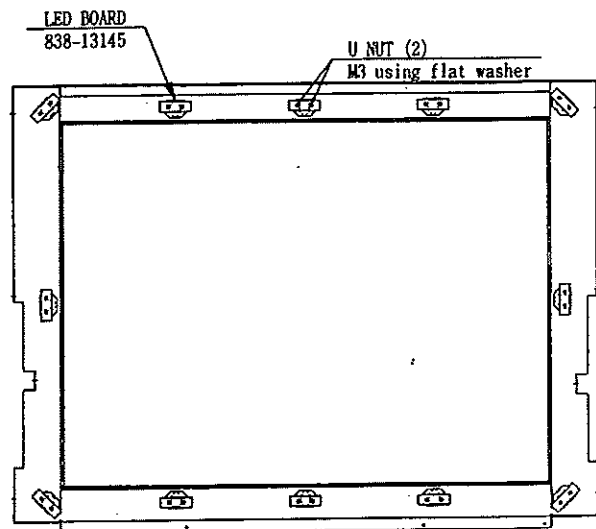
If there is no RED light showing on any of the LED's then the LED is faulty and must be replaced.

Follow the instructions below to replace the LED

1. Turn power off.
2. Separate the PTV and the FRONT CABI, being careful not to damage the wiring connections between them.
3. The LED's are located inside the mask on the FRONT CABI. Locate the faulty LED and disconnect the wiring from both sides of the LED. Remove the 2 no. nuts holding the board in place and replace with the new board.



Replace the LED in case of
no light emission from the 2 LED's.



11. FUSES



WARNING!

- Never touch places other than those specified. Touching places other than those specified can cause electric shock and short circuit. Disconnect the machine from the supply before attempting the replacement of any fuse.



IMPORTANT!

- FUSES should only be replaced by QUALIFIED SERVICE PERSONNEL.

There are a number of fuses used on this machine to protect the user and the machine from damage. Only replace the fuse once you have removed the cause of its failure. Detailed below is a list of the fuses used, their location and if relevant P.C.B. reference:

PART NUMBER	LOCATION	TYPE & DETAILS	QTY
514-5078-5000	IEC inlet	5A (T) 250V HRC 20mm	1 per inlet
514-5078-6300	SSR BD F1 (838-11855)	6.3A (T) 250V HRC 20mm	1 per Bd.
514-5078-6300	Base Amp F201, F202	6.3A (T) 250V HRC 20mm	2 per Bd
514-5078-6300	Amp F1 (838-11650)	6.3A (T) 250V HRC 20mm	1 per amp
EP1307	Bass Shaker Feeds. Inside front cabi, above power supply board	5A (F) 250V glass 32mm	1 per feed
514-5078-4000	PSU F1 (400-5330-02)	4A (T) 250V HRC 20mm	1 per Bd.
Toshiba	Monitor F801	8A (T) 125V glass 20mm	1 per Bd
Toshiba	Monitor F803, F883	5A (T) 125V glass 20mm	2 per Bd
Toshiba	Monitor F884	1.6A (T) 125V glass 20mm	1 per Bd
Toshiba	Monitor F806	3.15A (T) 125V glass 20mm	1 per Bd
Toshiba	Monitor F885, F886, F887, F888	5A 125V fused link	4 per Bd. Replace only with same type

12. REPLACEMENT OF FLUORESCENT LAMP AND OTHER LAMPS



WARNING!

- Never touch places other than those specified. Touching places other than those specified can cause electric shock and short circuit. Disconnect the machine from the supply before attempting the replacement of any lamp.



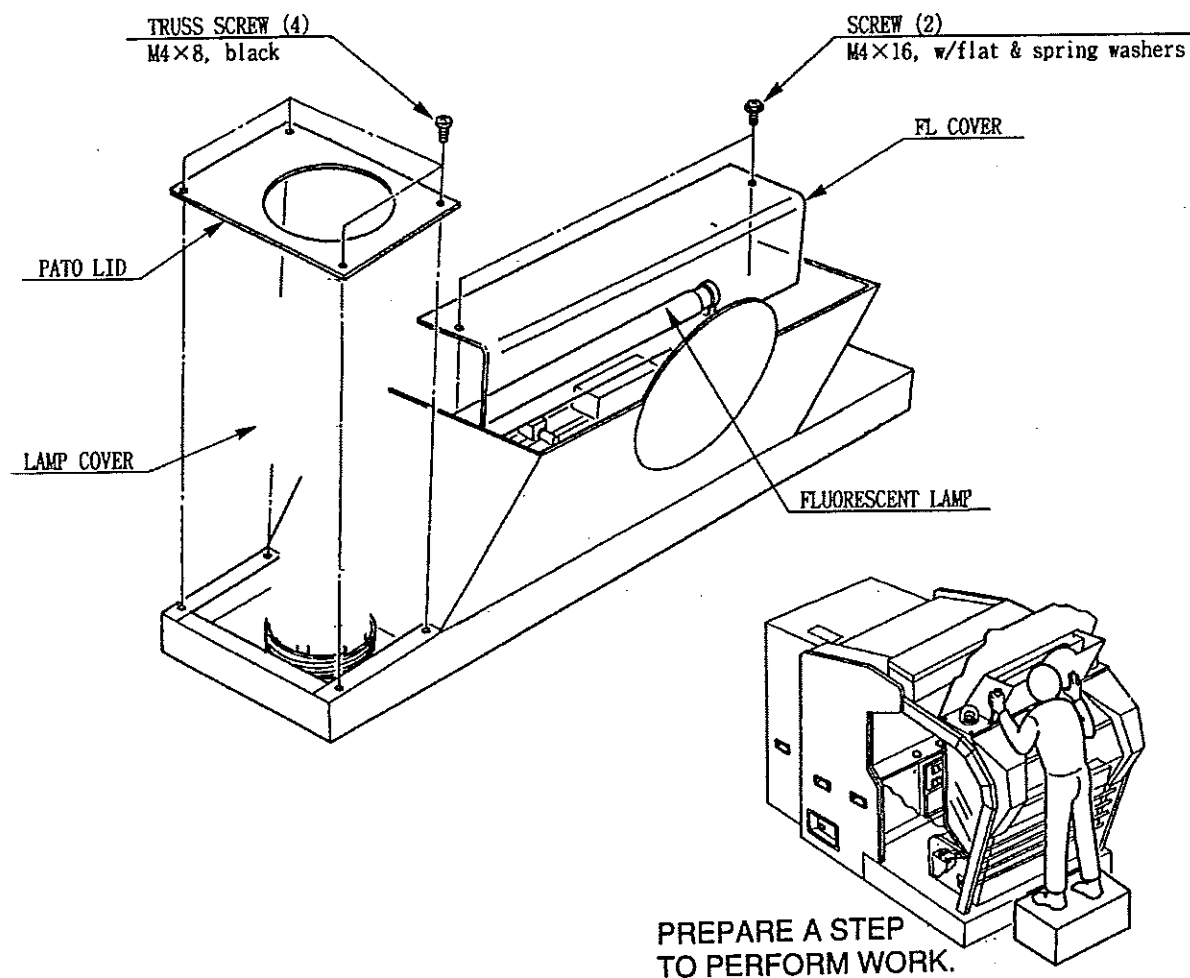
IMPORTANT!

- Lamps should only be replaced by QUALIFIED SERVICE PERSONNEL.

12.1. FLUORESCENT LAMP AND PATO LAMP REPLACEMENT

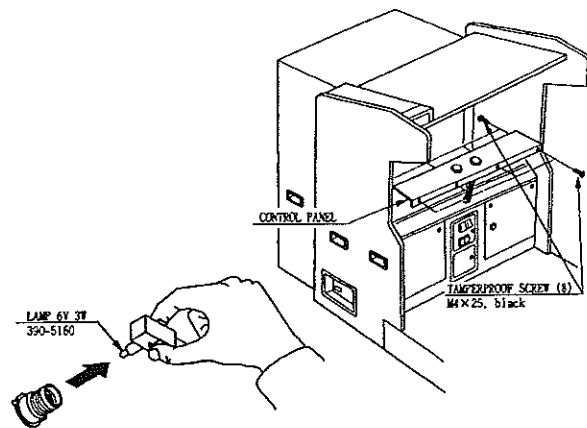
Remove the 4 No. M4X8 screws as shown below and remove the pat lid. Remove the 3 No. screws from around the pat lamp cover and remove the cover. The bulb will now be visible. Remove the bulb and replace it with the new bulb. Reassemble the parts.

To replace the fluorescent remove the 2 NO. M4X16 screws from the FL cover and remove the cover. The FL tube is now accessible. Remove the tube and replace with the new tube. Refit the cover.



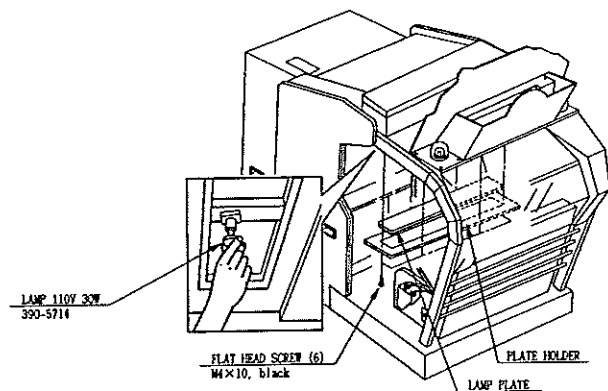
12.2. START LAMP REPLACEMENT

1. Remove the 8 No. M4X25 tamperproof screws from the control panel.
2. Tilt the control panel forward being careful not to damage any wires.
3. Pull the lower part of the switch away from the rear of the switch panel.
4. Replace the bulb.
5. Refit the switch to the switch panel and refit the control panel.



12.3. ROOM LAMP REPLACEMENT

1. Remove the 6 No. flat head screws from the lamp plate holder.
2. Remove the lamp plate.
3. Unscrew the faulty bulb and replace with the new bulb.
4. Refit the lamp plate and lamp plate holder.



13. PERIODIC CHECK & INSPECTION

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



WARNING!

- Be sure to check annually to see if the power cords are damaged. The plug is securely inserted and that there is no dust in the interior of the machine or between the socket and the power cord. Using the product in an unclean condition may cause a fire or electric shock.



IMPORTANT!

- Periodic checks should only be carried out by QUALIFIED SERVICE PERSONNEL.

DESCRIPTION	WHAT TO CHECK	INTERVAL
CONTROLLER (GUN)	Clean	As required
	Check sighting	Weekly
	Check switch operation	Monthly
COIN MECHANISM	Check SW (If Fitted)	Monthly
MONITOR / PROJECTOR	Clean screen	Weekly
	Check adjustment	Monthly
GAME BD	Memory Test	Monthly
	Game Assignments	Monthly
INTERIOR	Clean	Annually
POWER SUPPLY CORD	Check condition	Annually
CABINET SURFACE	Clean	As required
CONTROL PANEL	Lamp operation	Monthly
	Check switch operation	Monthly

14. TROUBLESHOOTING

If a problem occurs, first check the wiring connections.

PROBLEMS	CAUSE	COUNTERMEASURES
When the main switch is turned ON, the machine is not activated	The power is not ON.	Firmly insert the plug into the outlet.
	Incorrect power source/voltage.	Make sure that the power supply/voltage are correct.
	AC Unit CIRCUIT PROTECTION DEVICE (ie; fuse) was activated due to an instantaneous over current.	First, remove the cause of over current and reinstate the circuit protection device to its original status. Then identify the cause of the fault on the item which caused the over current & fix.
The colour image on the screen is incorrect	Incorrect monitor adjustment.	Make appropriate adjustments. See appendix B
The on-screen image of the monitor sways and/or shrinks	The power source and voltage are not correct.	Make sure that the power supply and voltage are correct.
Sound is not emitted	Sound volume adjustment is not correct.	Adjust the volume setting on the VTS bracket. Section 9.1
	Malfunctioning BD and Amp.	Perform Sound Test to check it. Section 9.2.4
	Connector connection is incorrect	Check connector connection from Base to Speaker
Controller operation is not satisfactory	Sighting is inaccurate due to environmental conditions, etc.	Adjust the gun sighting alignment. Section 9.2.8
	Microswitch malfunctioning	Replace the microswitch. Section 10.1
	Sensor BD is malfunctioning	Replace the Sensor BD. Section 10.2
The fluorescent lamp does not light up	Fluorescent lamp needs replacement	Replace the fluorescent lamp. Section 12.1
	The connector is disconnected	Check connector connections in the billboard case. Section 12.1

15. GAME BOARD



WARNING!

- Turn off the mains power and remove the power cord before opening the machine.



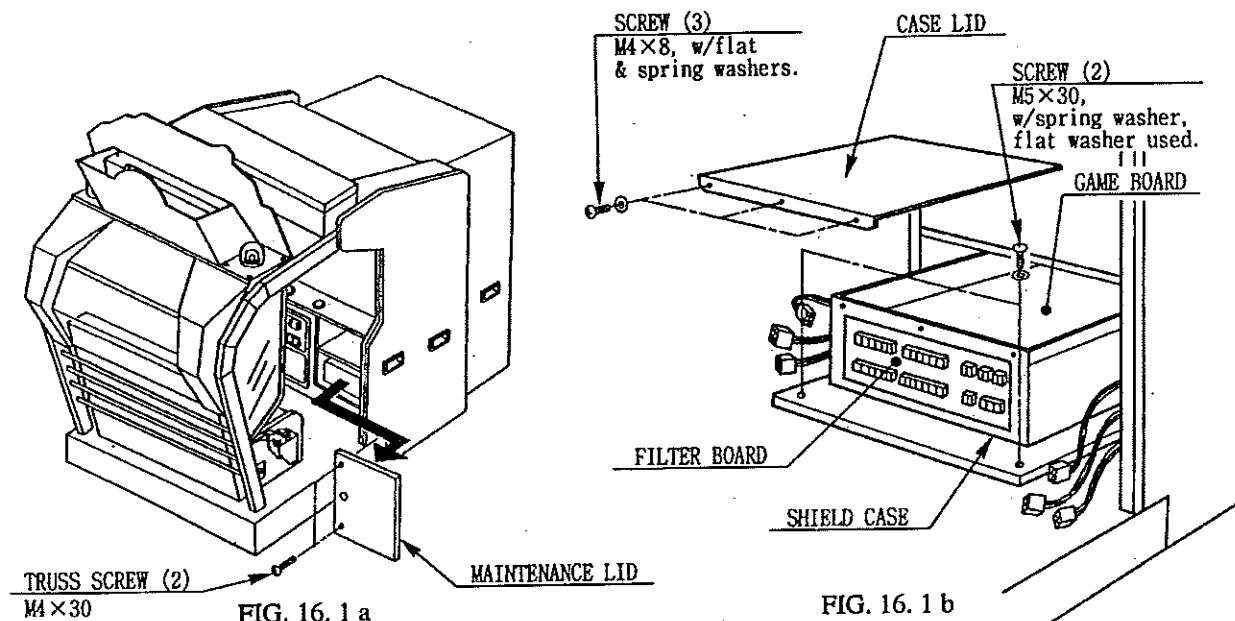
IMPORTANT!

- The GAME BOARD should not require any work to be carried out upon it. All settings and tests can be achieved without access to the GAME BOARD.
- All work to be carried out by QUALIFIED SERVICE PERSONNEL

15.1. REMOVING THE SHIELD CASE

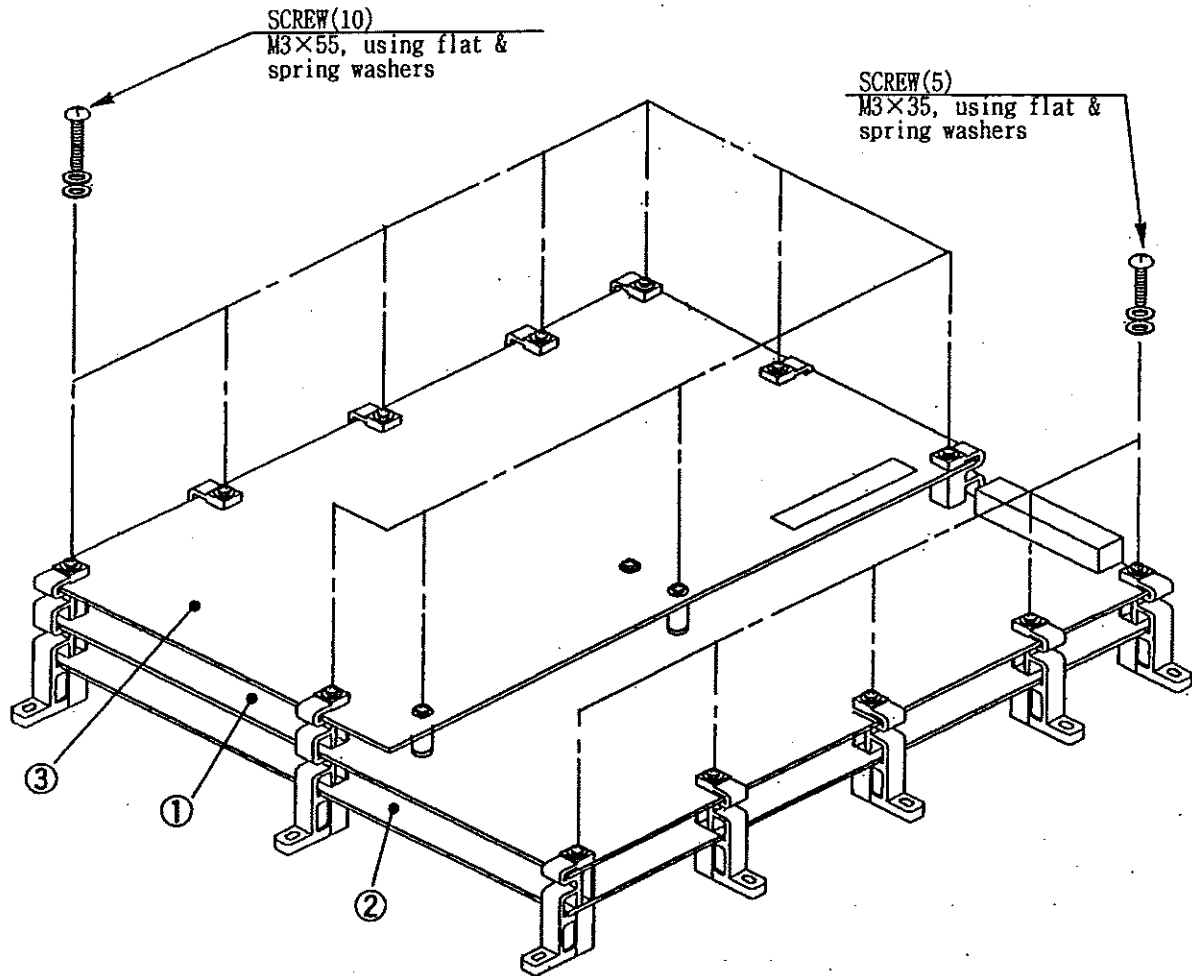
There are no user serviceable parts within the shield case.

1. Turn the power off.
2. Take out the 2 screws from the right hand side maintenance lid.
3. Unlock the maintenance lid and remove.
4. Disconnect all connectors from the shield case and filter board.
5. Remove the 2 screws which secure the wooden base to the cabinet and slide the shield case and wooden board out of the machine.
6. Remove the 4 No. screws that secure the shield case to the base and package the shield case in the original carton and return to SEGA.



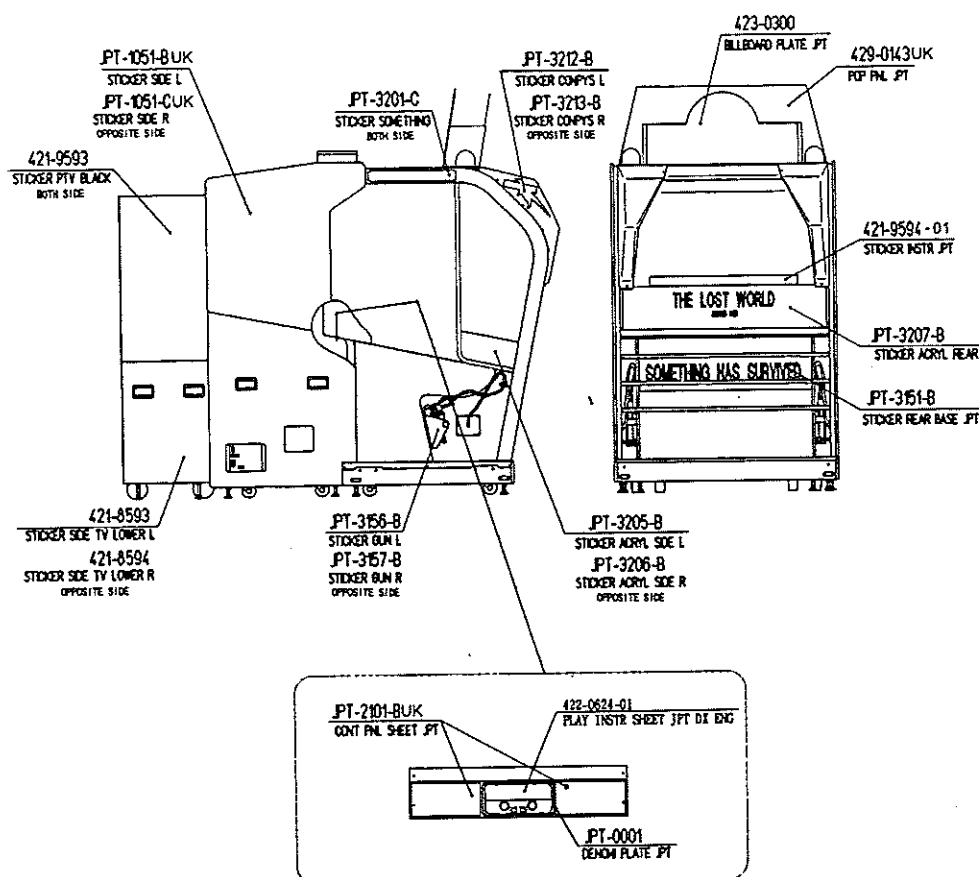
15.2. COMPOSITION OF THE GAME BOARD

GAME BOARD LOST WORLD DELUXE (833-13171)



ITEM NUMBER	PART NUMBER	DESCRIPTION
1	837-12874	MODEL 3 STEP 1.5 CPU BOARD
	837-12874-01	MODEL 3 STEP 1.5 CPU W/GND BOARD
2	837-12875	MODEL 3 STEP 1.5 VIDEO BOARD
3	834-13172	ROM BOARD THE LOST WORLD

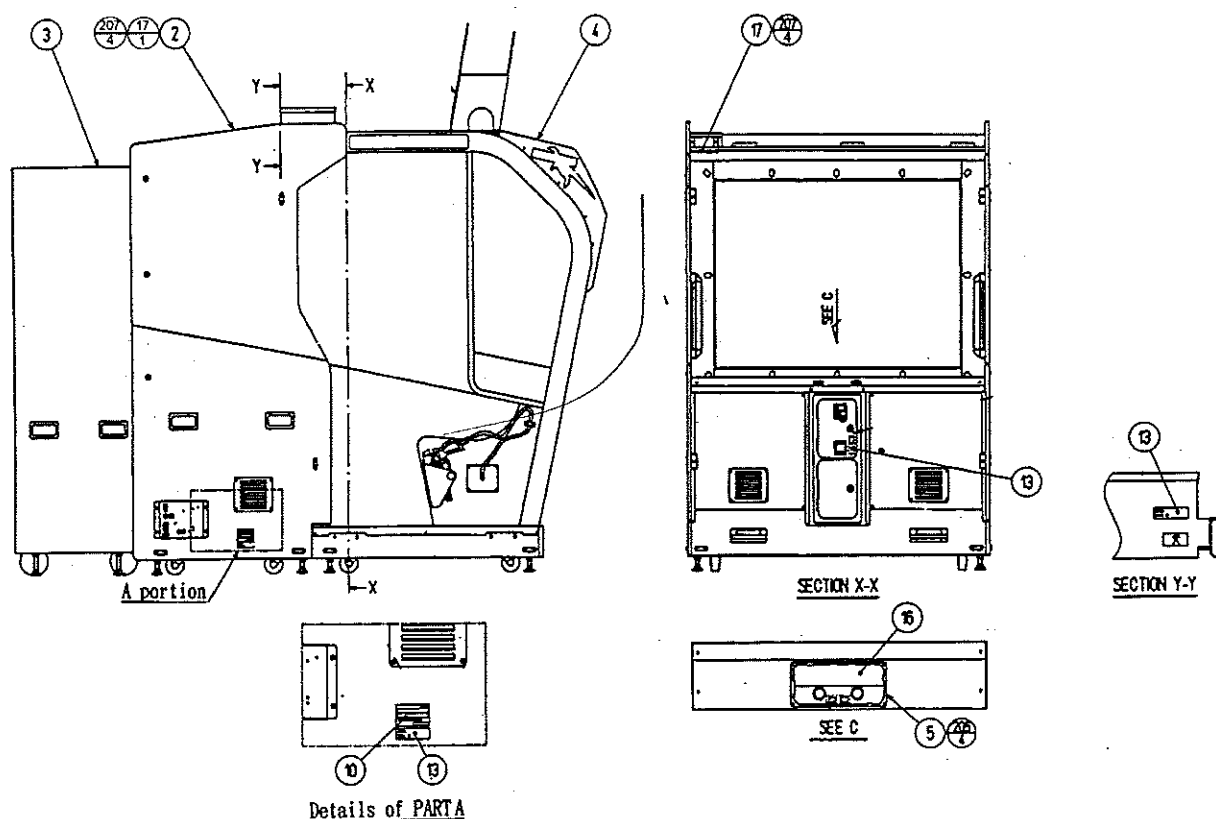
16. DESIGN RELATED PARTS



No.	PART NUMBER	QTY	DESCRIPTION
1	JPT-1051-BUK	1	STICKER SIDE L
2	JPT-1051-CUK	1	STICKER SIDE R
3	JPT-2101-BUK	2	CONT PNL SHEET
4	JPT-3151-B	1	STICKER REAR BASE
5	JPT-3156-B	1	STICKER GUN L
6	JPT-3157-B	1	STICKER GUN R
7	JPT-3201-C	2	STICKER SOMETHING
8	JPT-3205-B	1	STICKER ACRYL SIDE L
9	JPT-3206-B	1	STICKER ACRYL SIDE R
10	JPT-3207-B	1	STICKER ACRYL REAR
11	JPT-3212-B	1	STICKER CONPYS L
12	JPT-3213-B	1	STICKER CONPYS R
13	421-8593	1	STICKER SIDE TV L
14	421-8594	1	STICKER SIDE TV R
15	421-9593	2	STICKER PTV BLACK
16	421-9594-01	1	STICKER INST JPT
17	422-0624-01	1	PLAY INSTR SHT JPT DX ENG
18	423-0300	1	BILLBOARD PLATE
19	429-0143UK	1	POP PNL JPT

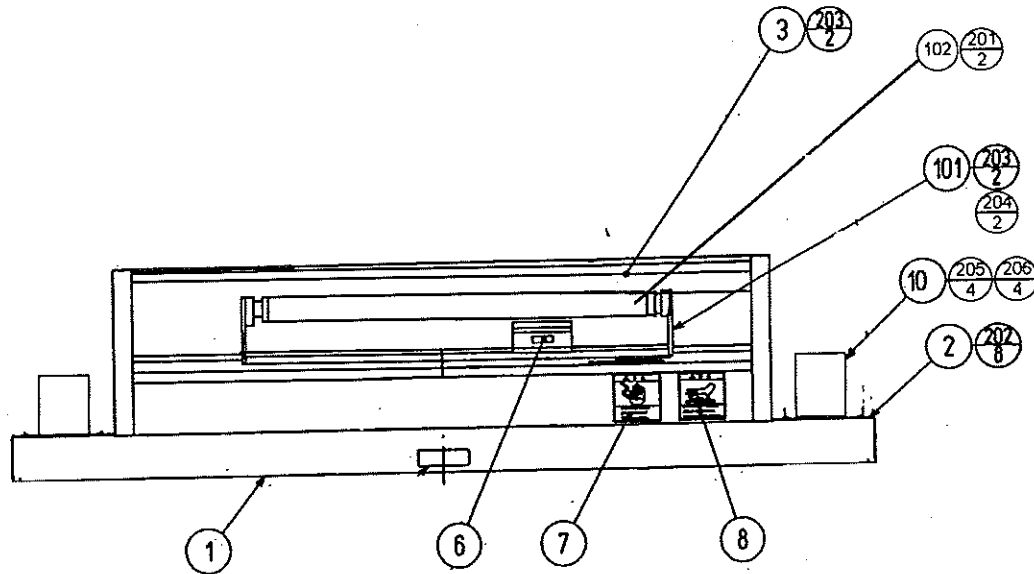
17. PARTS LIST

17.1. TOP ASSEMBLY JPT-0000UK



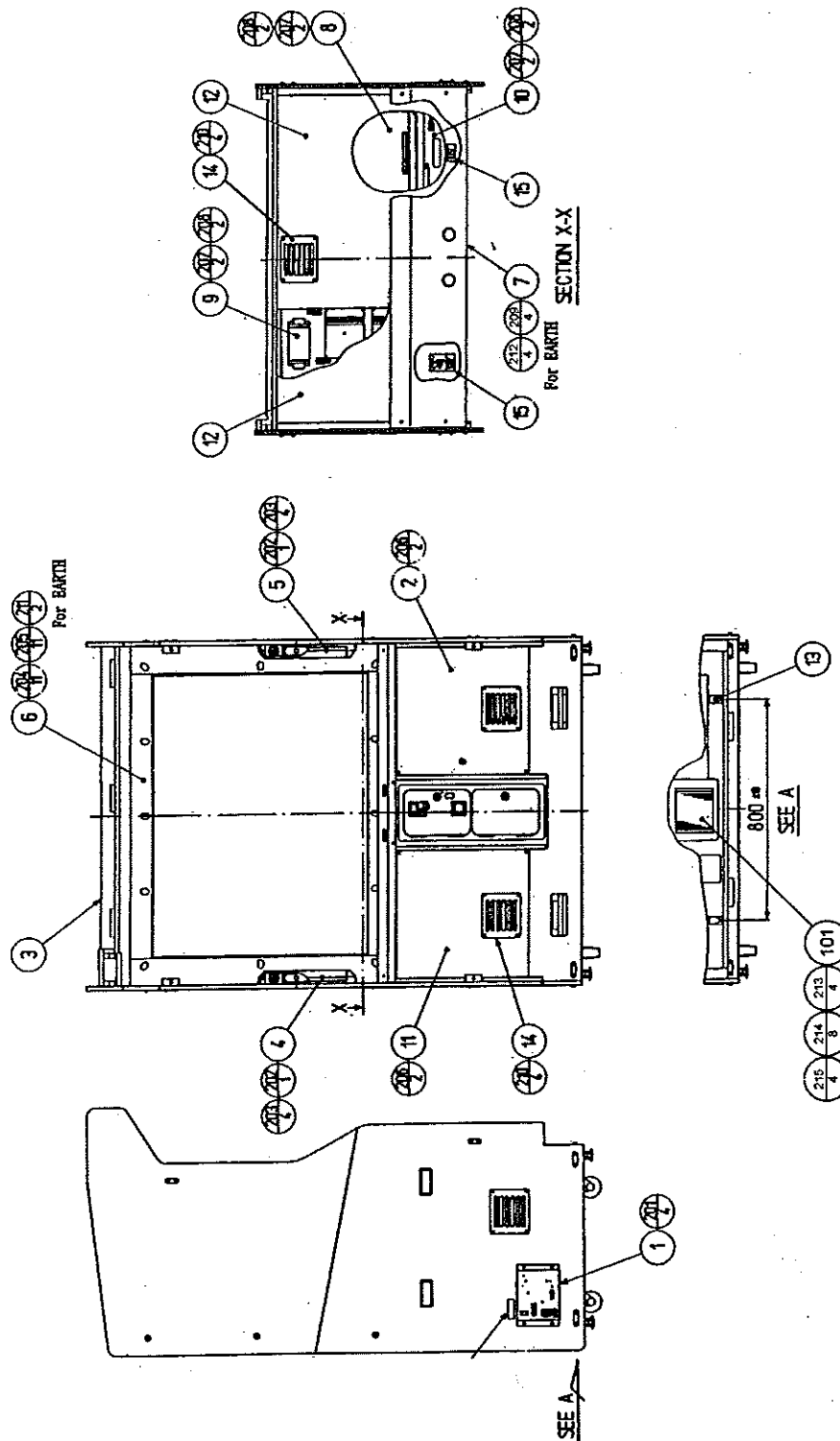
No.	Part Number	Qty	Description	Component Reference
2	JPT-1000UK	1	ASSY FRONT CABI UK	
3	JPT-1100UK	1	ASSY PTV	
4	JPT-3000UK	1	ASSY REAR CABI UK	
5	JPT-0001	1	DENOMI PLATE JPT	ONTO CONTROL PANEL WITH (16)
10	421-7987UK-JPT-D	1	STICKER ELEC SPEC JPT DX UK	NEXT TO AC UNIT ON CABINET
11	SGM-4040	1	POLY COVER 950X1350X1800	(FRONT CABINET)-1
12	SGM-4182	1	POLY COVER 1600X1900X1800	(REAR CABINET)-1
13	421-7988-91UK	3	STICKER SERIAL NUMBER UK	AC UNIT, TOP OF FRAME, IN CCT
16	422-0624-01	1	PLAY INSTR SHT JPT ENG	(5)-1
17	JPT-1053UK	1	CONN LID TOP	(2)-1
18	PK0124	1	PALLET REAR CABI JPT DX	
19	PK0125	1	SLEEVE REAR CABI JPT DX	
20	PK0126	1	PALLET FRONT CABI JPT DX	
22	PK0127	1	SLEEVE FRONT CABI JPT DX	
205	000-T00412-OB	4	M4X12 MSCR POSI TH BNP	(5)-4
207	000-T00440-OB	4	M4X40 MSCR POSI TH BNP	(17)-4
400	JPT-INST-DX	1	ASSY INSTALLATION KIT JPT DX	

17.2. BILLBOARD ASSEMBLY JPT-0500UK



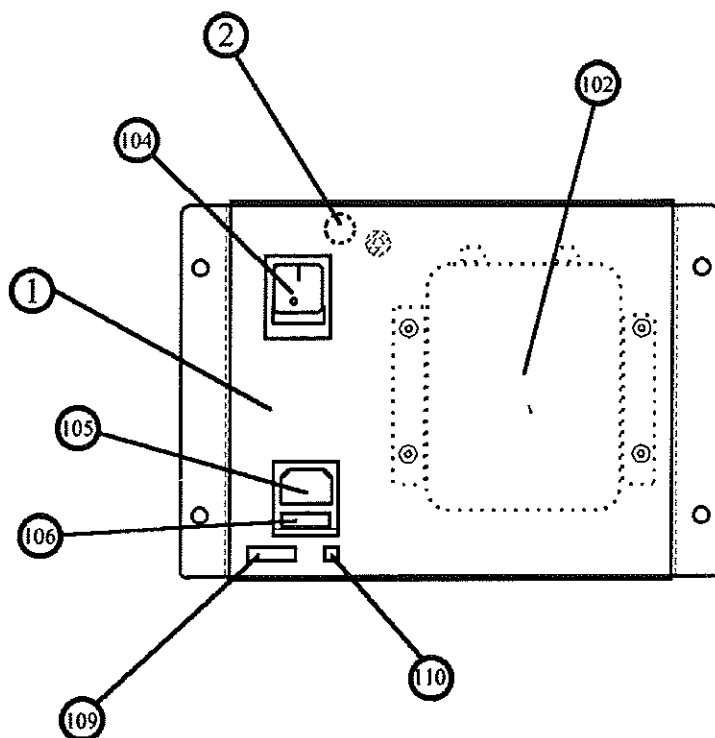
No.	Part Number	Qty	Description	Component Reference
1	JPT-0501UK	1	BILLBOARD BOX UK	
2	JPT-0502UK	2	PAT LID	
3	JPT-0503UK	1	FL COVER UK	
6	421-7501-17	1	STICKER FL 20W	(101)-1
7	LB1102	1	STICKER DANGEROUS VOLTAGE	(1)-1 RHS
8	LB1104	1	STICKER CAUTION, HOT SURFACE	(1)-1 RHS
10	390-5711UK	2	ASSY PATO LAMP UK	
101	390-5695-20-AUK	1	FL TRAY 110V 20W	
102	390-5695-18-BUK	1	FL TUBE 18W 600L 25.4DIA WHITE	
103	OS1220	1	FOAM STRIP 8mmSQ ADHESIVE	FIT ON BACK EDGE OF BOX
104	EP1371	0.4	PVC SLEEVE 10mm DIA.	(301)-400mm
105	OS1174	5	CABLE TIE, NYLON 100mm	(301)-5
201	FX0011	3	M4 NUT FLG SER BZP	(102)-2, EARTH-1
202	000-T00408-OB	8	M4X8 MSCR POSI TH BNP	(2)-8
203	000-P00416-W	4	M4X16 MSCR POSI PAN W/FS PAS	(101)-2,(3)-2
204	FX0301	2	M4 WSHR 16OD FLT BZP	(101)-2
205	FX0289	4	M4X16 MSCR POSI PAN BZP	(10)-4
206	FX0009	4	M4 WSHR FORM A FLT BZP	(10)-4
301	600-6911-042UK	1	WIRE HARN BILLBOARD UK	
302	LM9211	1	LOOM EARTH 400mm	BILLBOARD TO ROOFLID

17.3. ASSY FRONT CABI UK JPT-1000UK



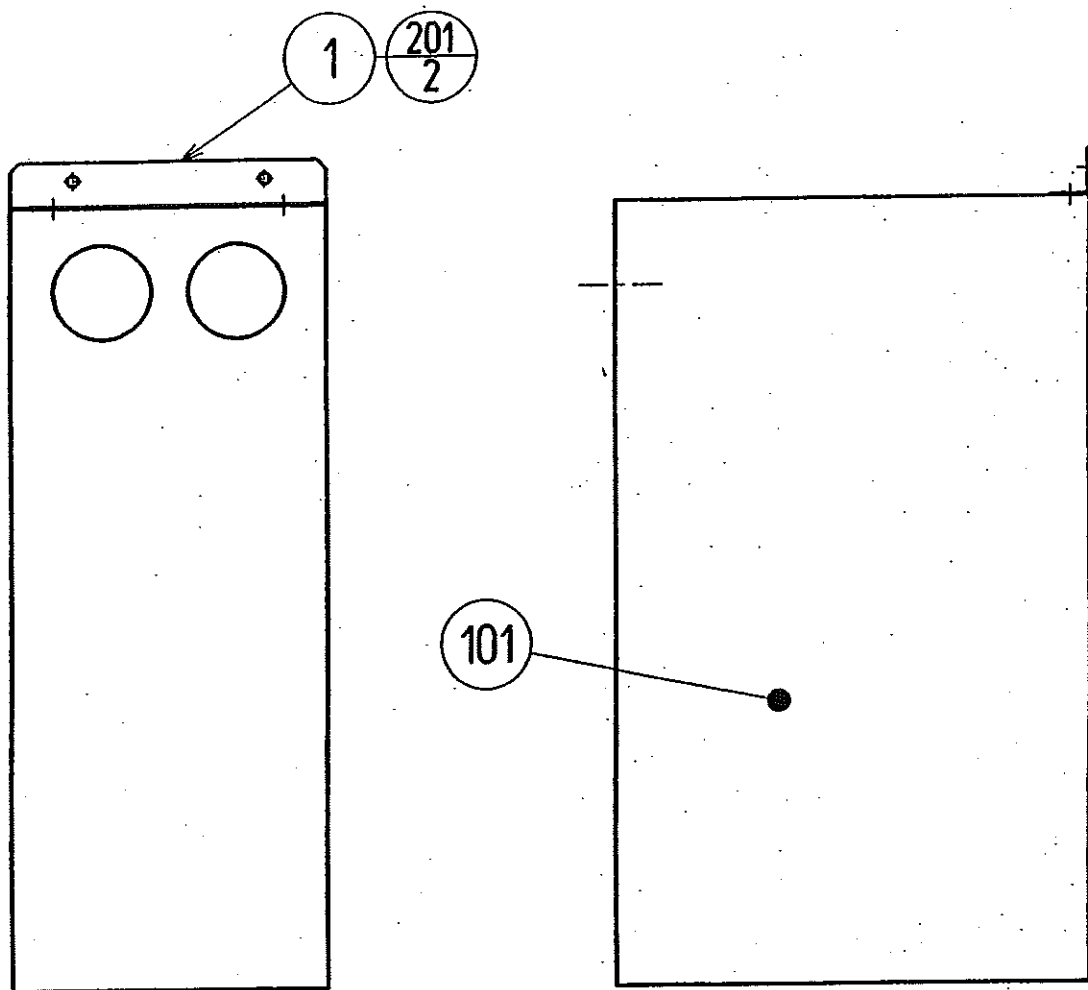
No.	Part Number	Qty	Description	Component Reference
1	JPT-1020UK	1	ASSY AC UNIT UK	
2	JPT-1040UK	1	ASSY MAINT LID R UK	
3	JPT-1050UK	1	ASSY SUB FRONT CABI UK	
4	JPT-1070UK	1	ASSY SPEAKER FL	
5	JPT-1075UK	1	ASSY SPEAKER FR	
6	JPT-1080UK	1	ASSY MASK	
7	JPT-2100UK	1	ASSY CONT PNL UK	
8	JPT-4000	1	ASSY MAIN BD	
9	JPT-4100UK	1	ASSY PWR SPLY UK	
10	JPT-4200UK	1	ASSY GUN SENSE BD	
11	JPT-1001UK	1	MAINT LID L UK	
12	JPT-1002UK	1	CENTRE LID UK	
13	421-7020UK	2	STICKER CAUTION FORK	
15	LB1102	3	STICKER DANGEROUS VOLTAGE	(2)-1,(11)-1,(12)-1
16	JPT-1003UK	1	SPLASH BRKT	CENTRE LID - 1
17	OS1223	1.22	EDGE TRIM (COMP SELF GRIP)	(16)-1
18	OS1239	33	SEALANT BLACK	(16)-1
101	560-5364UK	1	PWR XFMR 100V6A	
201	000-T00416-OC	4	M4X16 MSCR POSI TH CRM	(1)-4
202	000-T00408-OB	2	M4X8 MSCR POSI TH BNP	(4)-1,(5)-1
203	000-T00420-OB	8	M4X20 MSCR POSI TH BNP	(4)-4,(5)-4
204	000-T00525-OB	11	M5X25 MSCR POSI TH BNP	(6)-11
205	068-552016-OB	11	5.5 WSHR 20X1.6 FLT BNP	(6)-11
206	000-T00430-OB	4	M4X30 MSCR POSI TH BNP	(2)-2,(11)-2
207	000-P00530-S	6	M5X30 MSCR POSI PAN W/S PAS	(8)-2,(9)-2,(10)-2
208	068-552016	6	5.5 WSHR 20X1.6 FLT BZP	(8)-2,(9)-2,(10)-2
209	008-T00425-OB	4	M4X25 MSCR TMP PRF TH BNP	(7)-4)@ CENTRE
210	000-T00416-OB	8	M4X16 MSCR POSI TH BNP	(14)-8
211	FX0011	3	M4 NUT FLG SER BZP	(7)-1,(6)-2
212	008-T00440-OB	4	M4X40 MSCR TMP PRF TH BNP	(7)-4 @ EDGES
213	FX0055	4	M6X20 MSCR POSI PAN BZP	(101)-4
214	FX0248	8	M6 WSHR FORM A FLT BZP	(101)-8
215	FX0255	4	M6 WSHR SPR BZP	(101)-4
216	FX0165	5	N8X1/2" S/TAP POSI FLG BNP	(16)-1
301	600-6911-051UK	1	WIRE HARN XFMR PRIMARY AC IN	
302	600-6911-052UK	1	WIRE HARN XFMR 100V SECONDARY	
304	LM9B11	2	LOOM EARTH 3000mm	CNT PNL>AC BRKT,ROOF>AC BRKT

17.4. ASSY AC UNIT JPT-1020UK



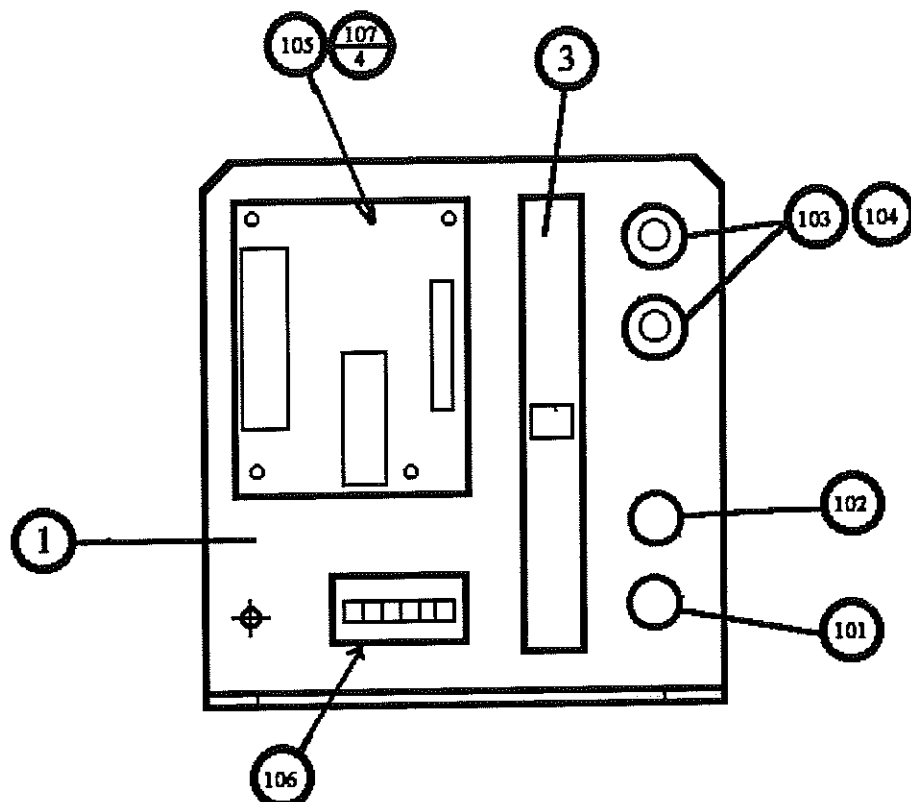
No.	Part Number	Qty	Description	Component Reference
1	JPT-1021UK	1	AC BRKT UK	
2	LB1096	1	STICKER PROTECTIVE EARTH	(EARTH STUD)
102	EP1344	1	FILTER EMI 10A BLP	
104	SW1021	1	SWITCH ROCKER 250V AC	
105	EP1302	1	EUROSOCKET FUSED 10A 250Vac	
106	514-5078-10000	1	FUSE 5X20 CERAMIC SB 10000mA	
107	310-5029-D508	0.04	HEAT SHRINK SLEEVING 50.8DIA	
109	LB1037	1	LABEL 10A FUSE	
110	LB1100	1	STICKER FUSE TYPE T	
201	FX0399	4	M3X8 MSCR POSI PAN BZP	(102)-4
202	FX0263	4	M3 WSHR FORM A FLT BZP	(102)-4
203	FX0011	1	M4 NUT FLG SER BZP	EARTH STUD
204	FX0210	1	M4 NUT BZP	EARTH STUD
205	FX0019	1	M4 WSHR S/PRF BZP	EARTH STUD
301	600-6911-049UK	1	WIRE HARN AC BRKT (JPT)	
302	600-6911-050UK	1	WIRE HARN AC OUT (PRIMARY)	

17.5. ASSY WOOFER JPT-1025



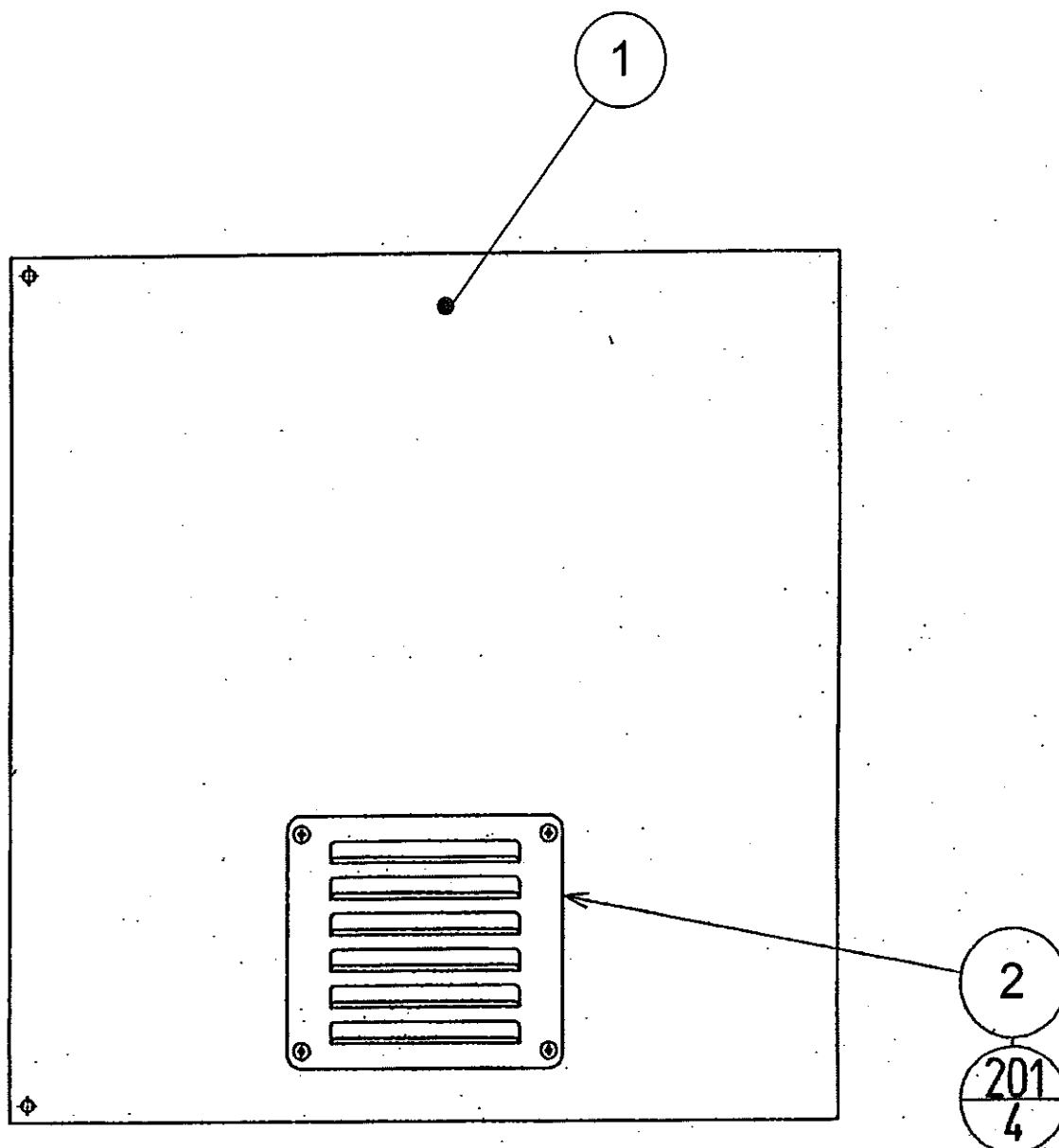
No.	Part Number	Qty	Description	Component Reference
1	JPT-1026	1	WOOFER BRKT	
101	130-5097	1	SPEAKER BOX SUPER WOOFER	
102	OS1098	2	CRIMP BELL END SMALL	(301)-2
201	FX0155	2	N6X1/2" S/TAP POSI FLG BZP	(1)-2
301	600-6911-023	1	WIRE HARN WOOFER	

17.6. ASSY VTS JPT-1030UK



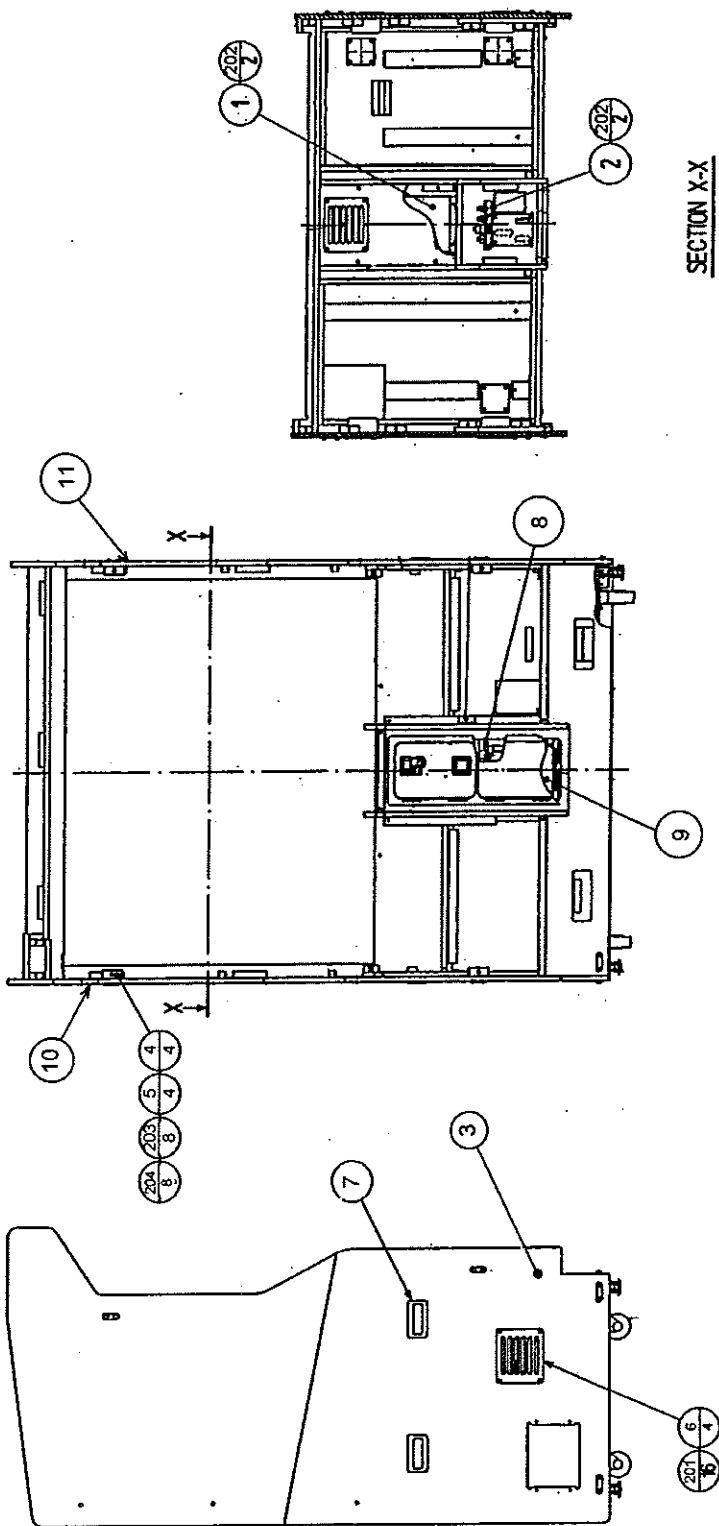
No.	Part Number	Qty	Description	Component Reference
1	JPT-1031UK	1	VTS BRKT	
3	421-9590UK	1	STICKER VTS UK	
101	EP1331	1	POT 4.7K LIN 0.11" TAB	BASS SHAKER
102	220-5296UK	1	POT 2 GANG 4.7K LIN 0.11" TAB	SPEAKER VOLUME
103	SW1100	2	SWITCH MOMENTARY 0.11" TAB	
104	EP1018	2	KNOB 15MM DIA FOR 6.3MM SHAFT	
105	EP1374	1	CREDIT BD KLINGON PLUS	
106	EP1003	1	COUNTER IMPULSE, PANEL W/CLIP	
107	280-L00640-PM	4	STANDOFF 6mm 4mm HOLE PANEL	
108	OS1098	2	CRIMP BELL END SMALL	
201	FX0011	1	M4 NUT FLG SER BZP	EARTH
301	600-6911-101UK	1	WIRE HARN VTS (JPT)	
302	LM9112	1	LOOM EARTH 300mm	VTS TO DOOR FRAME
303	LM9911	1	LOOM EARTH 2500mm	VTS TO AC BRKT

17.7. ASSY MAINT LID R JPT-1040UK



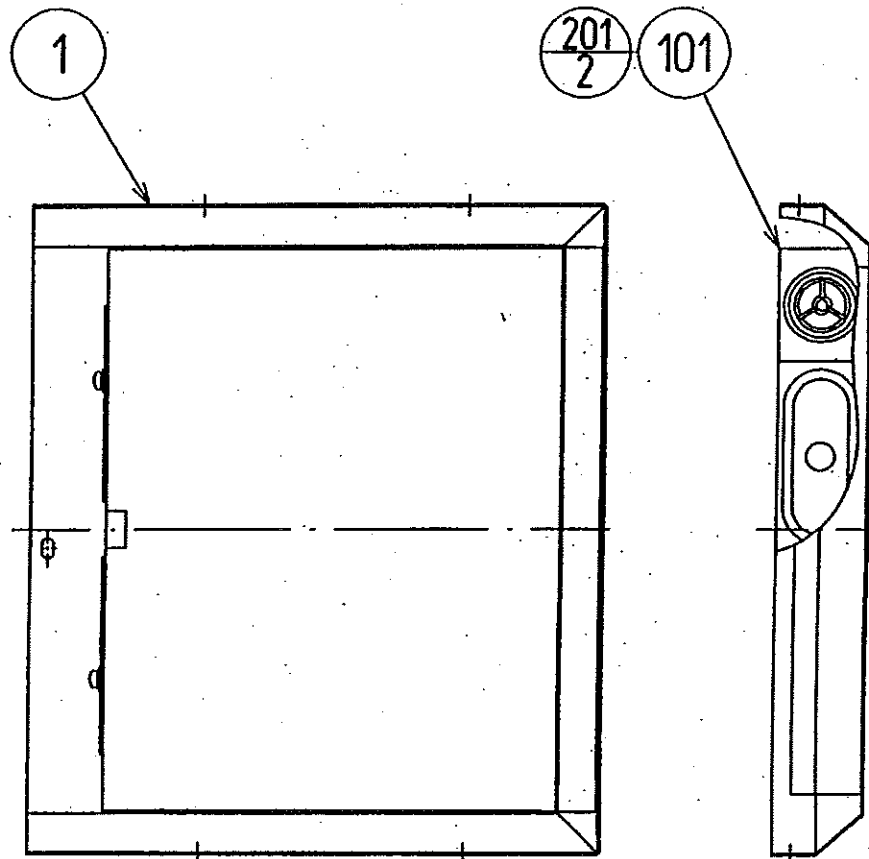
No.	Part Number	Qty	Description	Component Reference
1	JPT-1041UK	1	MAINT LID R	
2	105-5239-04	1	AIR VENT BLACK	
201	000-T00416-OB	4	M4X16 MSCR POSI TH BNP	(2)-4

17.8. ASSY SUB FRONT CABI UK JPT-1050UK



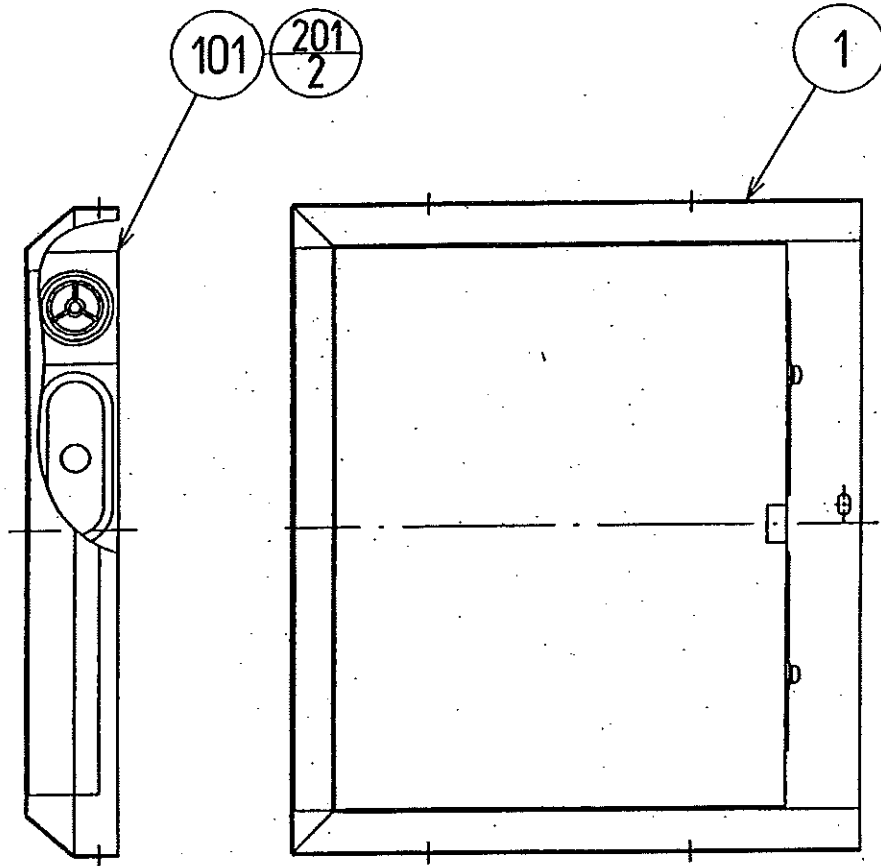
No.	Part Number	Qty	Description	Component Reference
1	JPT-1025	1	ASSY WOOFER	
2	JPT-1030UK	1	ASSY VTS JPT UK	
3	JPT-1051UK	1	FRONT CABI UK	
4	JPT-1054	4	JOINT BRKT	
5	117-5288	4	PLATE 6-30 BLACK	(4)-4
6	105-5239-03	4	AIR VENT WHITE	
7	253-5396	4	CABINET HANDLE	(3)-4
8	LB1103	1	STICKER CAUTION	CCT
9	253-5366UK	1	CASH BOX WOOD 233X144X195D	
10	JPT-1051-BUK	1	STICKER SIDE L	(3)-LHS
11	JPT-1051-CUK	1	STICKER SIDE R	(3)-RHS
101	EP1361	2	FUSE HOLDER COVER 1 1/4"	(314)-2
102	EP1307	2	FUSE 5AMP QB 32mm	
103	280-A01264-WX	10	ROUTER TWIST D12 SO6.4 WOOD X	
104	280-A02064-WX	18	ROUTER TWIST D20 SO6.4 WOOD X	
105	280-G06546-SM	16	PLAS COATED CLAMP 65L 4.6W SM	BACK PANEL IN FRONT PTV
106	OS1220	2	FOAM STRIP 8mmSQ ADHESIVE	1m ON MASK, 1m ON DRIP BRKTS
107	OS1230	1.5	FOAM STRIP 2mmX10mm	JPT-1002UK & ANGLED DRIP BRKTS
201	000-T00416-OC	16	M4X16 MSCR POSI TH CRM	(6)-16
202	000-P00420-W	4	M4X20 MSCR POSI PAN W/FS PAS	(1)-2,(2)-2
203	FX0391	8	M6X25 CRG BLT BNP	(4)-8
204	050-F00600-OB	8	M6 NUT FLG SER BNP	(4)-8
205	FX0150	2	N4X 5/8" S/TAP POSI CSK BZP	(314)-2
206	FX0155	16	N6X 1/2" S/TAP POSI FLG BZP	(2105)-16
301	600-6911-013UK	1	WIRE HARN SW REGU AC UK	
302	600-6911-014	1	WIRE HARN MODEL 3 DC	
303	600-6911-015	1	WIRE HARN MODEL 3 SOUND	
304	600-6911-016UK	1	WIRE HARN MODEL 3 I/O	
305	600-6911-019	1	WIRE HARN AC PTV	
306	600-6911-020	1	WIRE HARN SENSOR PTV	
307	600-6911-021	1	WIRE HARN WOOFER EXT	
308	600-6911-022	1	WIRE HARN BASS SHAKER EXT	
309	600-6911-024	1	WIRE HARN SOUND VR EXT	
310	600-6911-025	1	WIRE HARN SP EXT	
311	600-6911-026	1	WIRE HARN SSR EXT	
312	600-6911-027	1	WIRE HARN ROOF AC EXT	
313	600-6921-20	1	ASSY RGB CABLE D-BNC 200CM	
314	600-6911-055UK	1	WIRE HARN BASS SHAKER FUSE	

17.9. ASSY SPEAKER FL JPT-1070UK



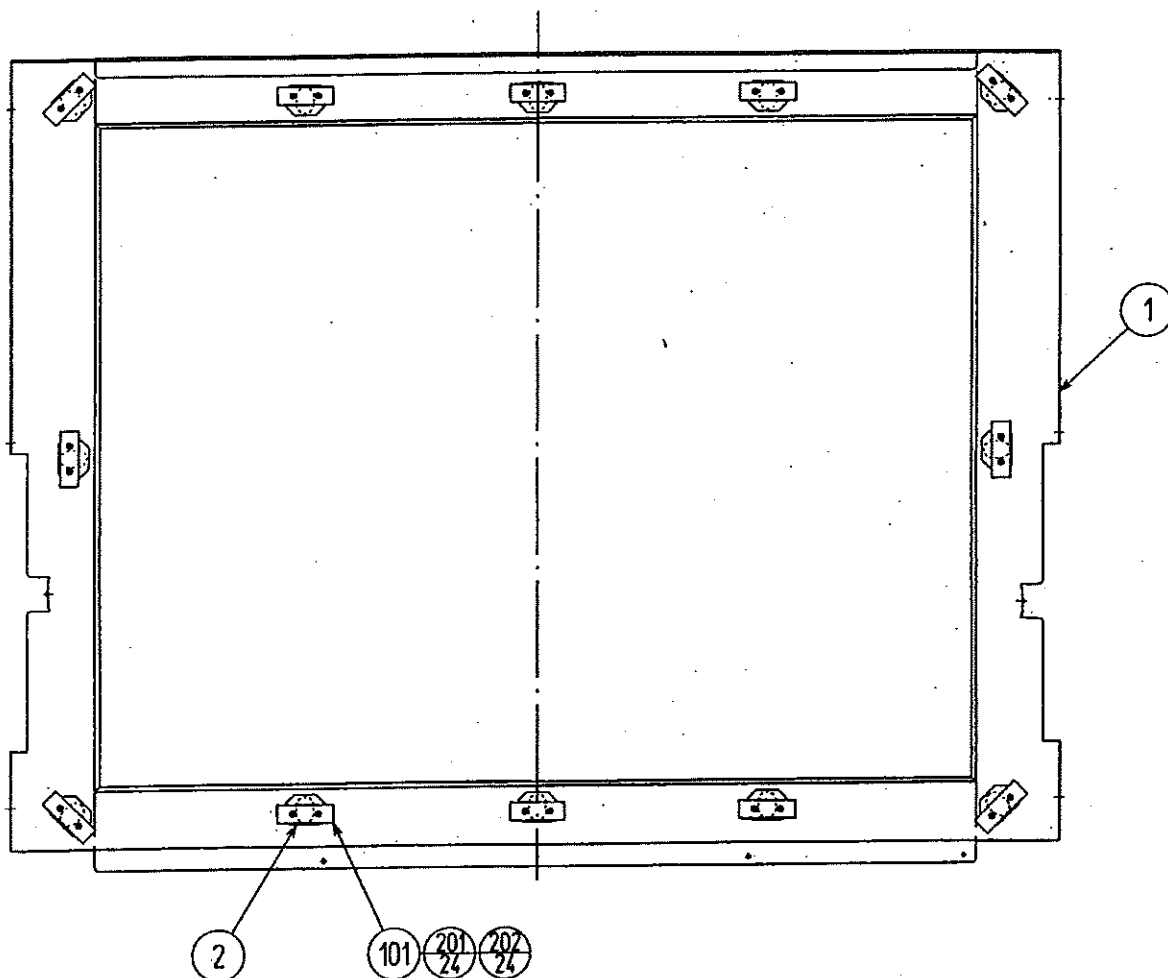
No.	Part Number	Qty	Description	Component Reference
1	JPT-1071UK	1	SPEAKER COVER F UK	
101	130-5156	1	SPEAKER BOX 8 OHM 20W	
201	000-P00512-W	2	M5X12 MSCR POSI PAN W/FS PAS	(101)-2
202	FX0011	1	M4 NUT FLG SER BZP	(301)-1
301	LM9122	1	LOOM EARTH 300MM	

17.10. ASSY SPEAKER FR JPT-1075UK



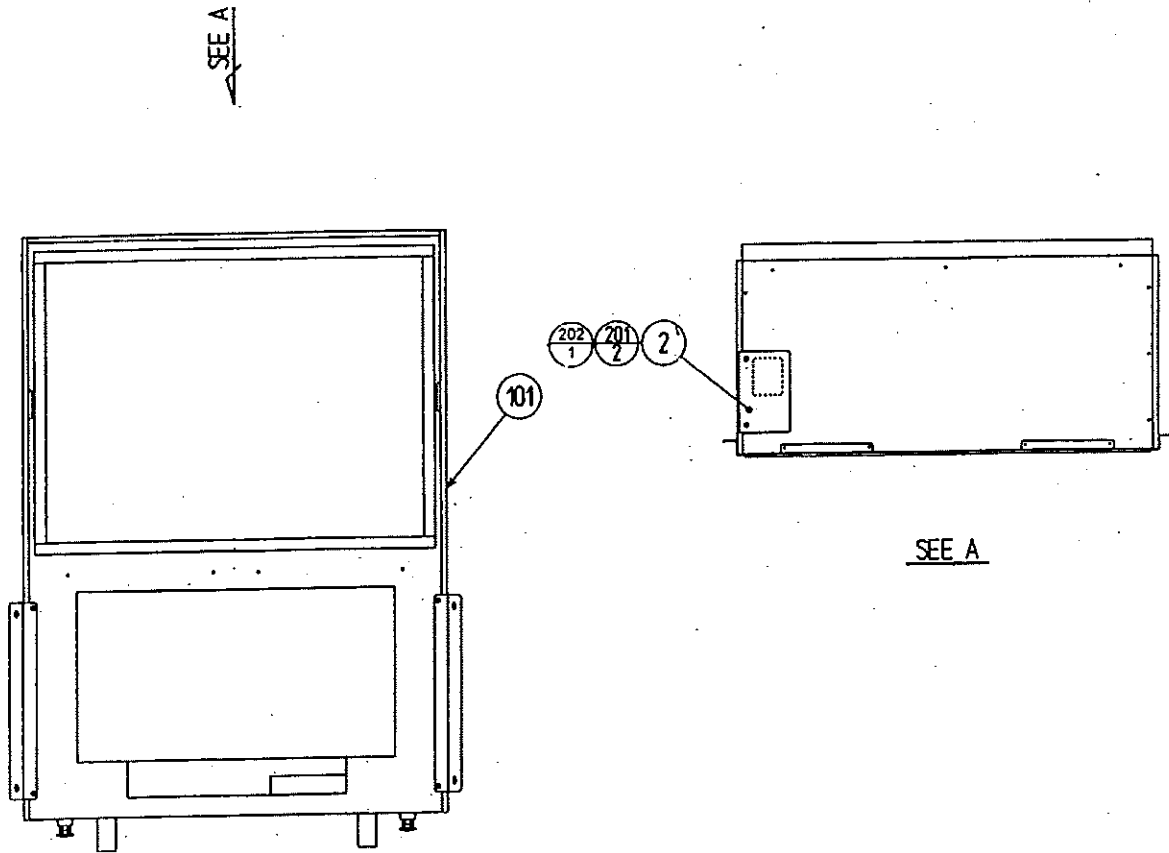
No.	Part Number	Qty	Description	Component Reference
1	JPT-1071UK	1	SPEAKER COVER F UK	
101	130-5156	1	SPEAKER BOX 8 OHM 20W	
201	000-P00512-W	2	M5X12 MSCR POSI PAN W/FS PAS	(101)-2
202	FX0011	1	M4 NUT FLG SER BZP	(301)-1
301	LM9222	1	LOOM EARTH 400MM	

17.11. ASSY MASK JPT-1080UK



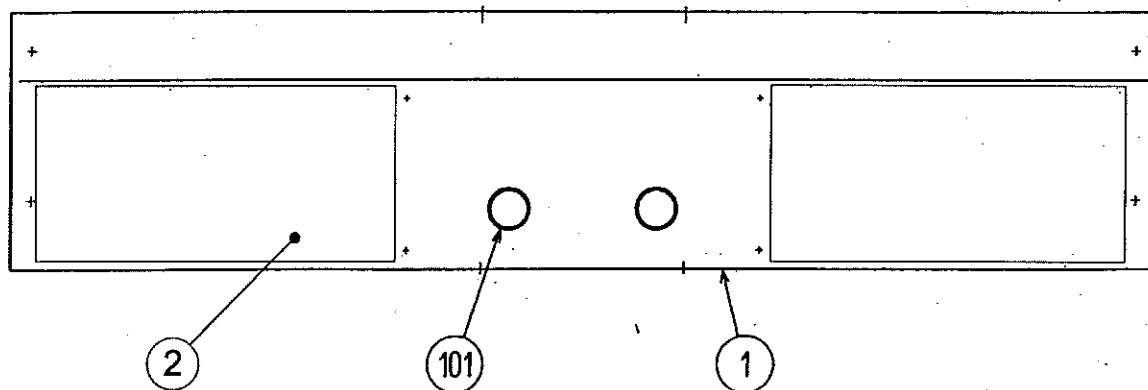
No.	Part Number	Qty	Description	Component Reference
1	JPT-1081UK	1	MASK BASE	
2	JPT-1082	12	IR COVER	
101	838-13145	12	LED BD GUN SENSE	
102	280-A00900-A	12	ROUTER TWIST D9 ADH	
201	050-U00300	24	M3 NUT NYLOC BZP	(101)-24
202	FX0263	24	M3 WSHR FORM A FLT BZP	(101)-24
301	600-6911-032	1	WIRE HARN SENSOR PTV EXT	
302	600-6911-033	4	WIRE HARN SENSOR PTV1	
303	600-6911-034	3	WIRE HARN SENSOR PTV 2	
304	600-6911-035	4	WIRE HARN SENSOR PTV 3	
305	LM9711	1	LOOM EARTH 1500mm	MASK TO AC BRKT

17.12. ASSY PTV JPT-1100UK



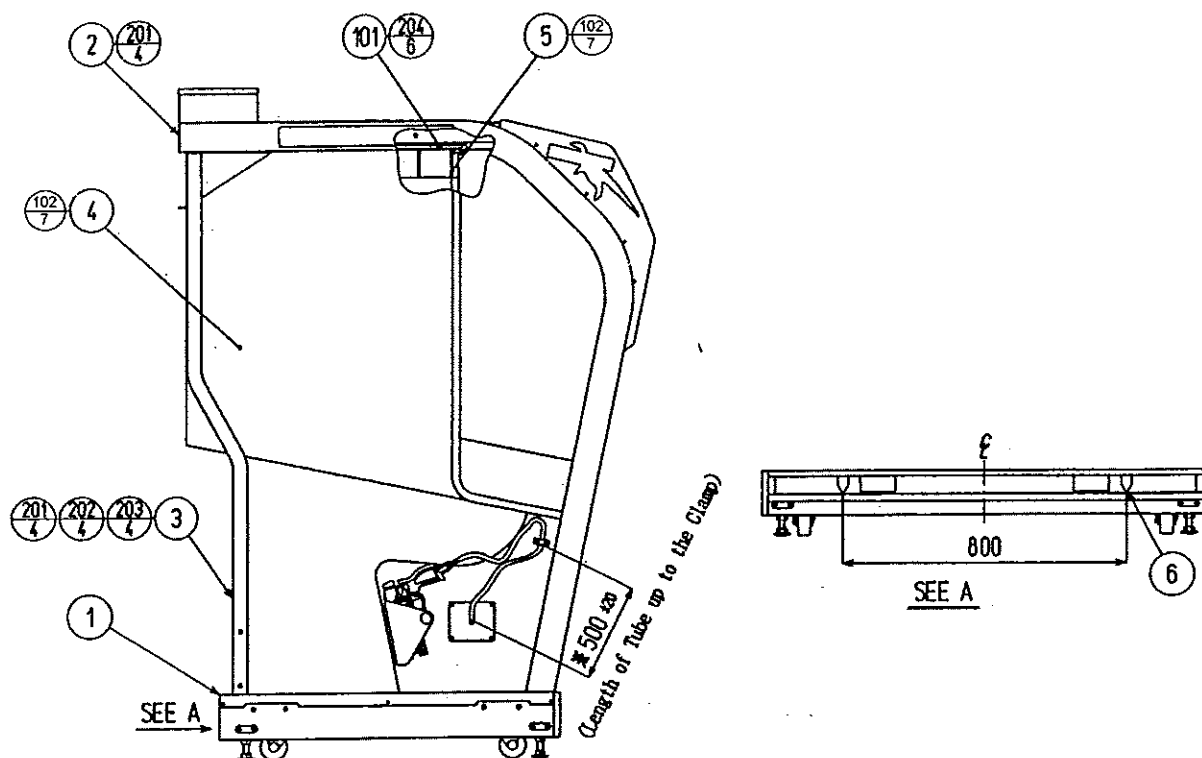
No.	Part Number	Qty	Description	Component Reference
1	PK0128	1	SLEEVE PTV CARTON JPT DX	
2	JPT-1102UK	1	CONN LID PTV	
3	PK0117	1	PALLET PTV TOSH ZMB	
101	200-5315-01-JPT	1	PTV 50 T 24K 100V P502SGB JPT	
102	OS1220	1.1	FOAM STRIP 8mmSQ ADHESIVE	FRONT TOP EDGE STAPLE ENDS
201	000-P00516-W	2	M5X16 MSCR POSI PAN W/FS PAS	(2)-2
202	FX0163	1	N8X1/2" S/TAP POSI FLG BZP	(2)-1
203	FX0037	4	M4X12 MSCR POSI PAN BZP	TOP HOLES ON PTV

17.13. ASSY CNT PNL UK JPT-2100UK



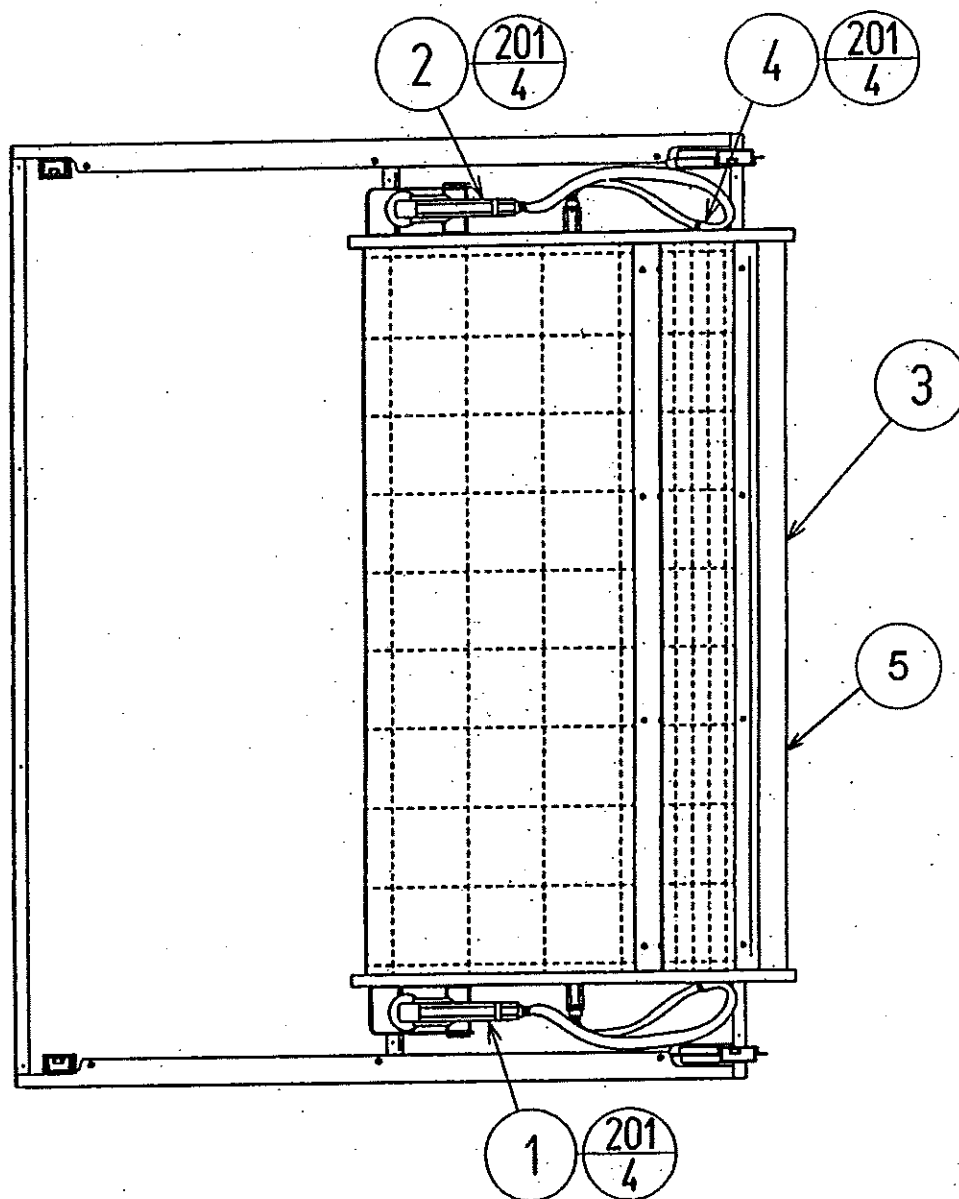
No.	Part Number	Qty	Description	Component Reference
1	JPT-2101-AUK	1	CONT PNL PLATE BLANK	
2	JPT-2101-BUK	2	STICKER CONT PNL UK	
101	509-5712-01	2	SW PB W/L 6V YELLOW	
301	600-6911-031	1	WIRE HARN START SW	

17.14. ASSY REAR CABI UK JPT-3000UK



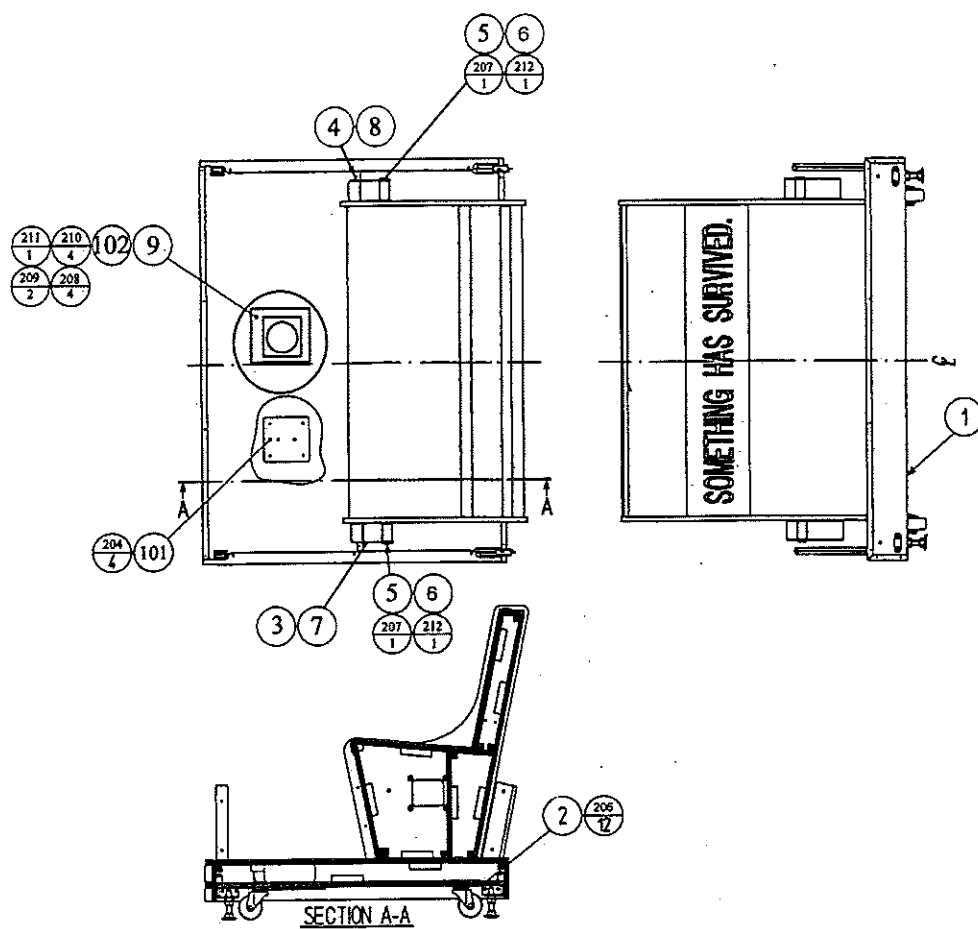
No.	Part Number	Qty	Description	Component Reference
1	JPT-3100	1	ASSY REAR BASE	
2	JPT-3200UK	1	ASSY REAR FRAME UK	
3	JPT-3001	2	REAR PILLAR	
4	JPT-3002UK	1	CURTAIN L UK	
5	JPT-3003UK	1	CURTAIN R UK	
6	421-7020UK	2	STICKER CAUTION FORK	
101	601-9519	2	CURTAIN RAIL	
102	JPT-3002-BUK	14	CURTAIN HOOK	(4)-7,(5)-7
103	OS1220	1.3	FOAM STRIP 8mmSQ ADHESIVE	FRONT EDGE & STAPLE ENDS
201	030-000820-SB	8	M8X20 BLT W/S BNP	(2)-4,(3)-4
202	030-000860-SB	4	M8X60 BLT W/S BNP	(3)-4
203	FX0400	4	M8 WSHR FORM A FLT BNP	(3)-4
204	000-P00412-S	6	M4X12 MSCR POSI PAN W/S PAS	(101)-6

17.15. ASSY REAR BASE JPT-3100



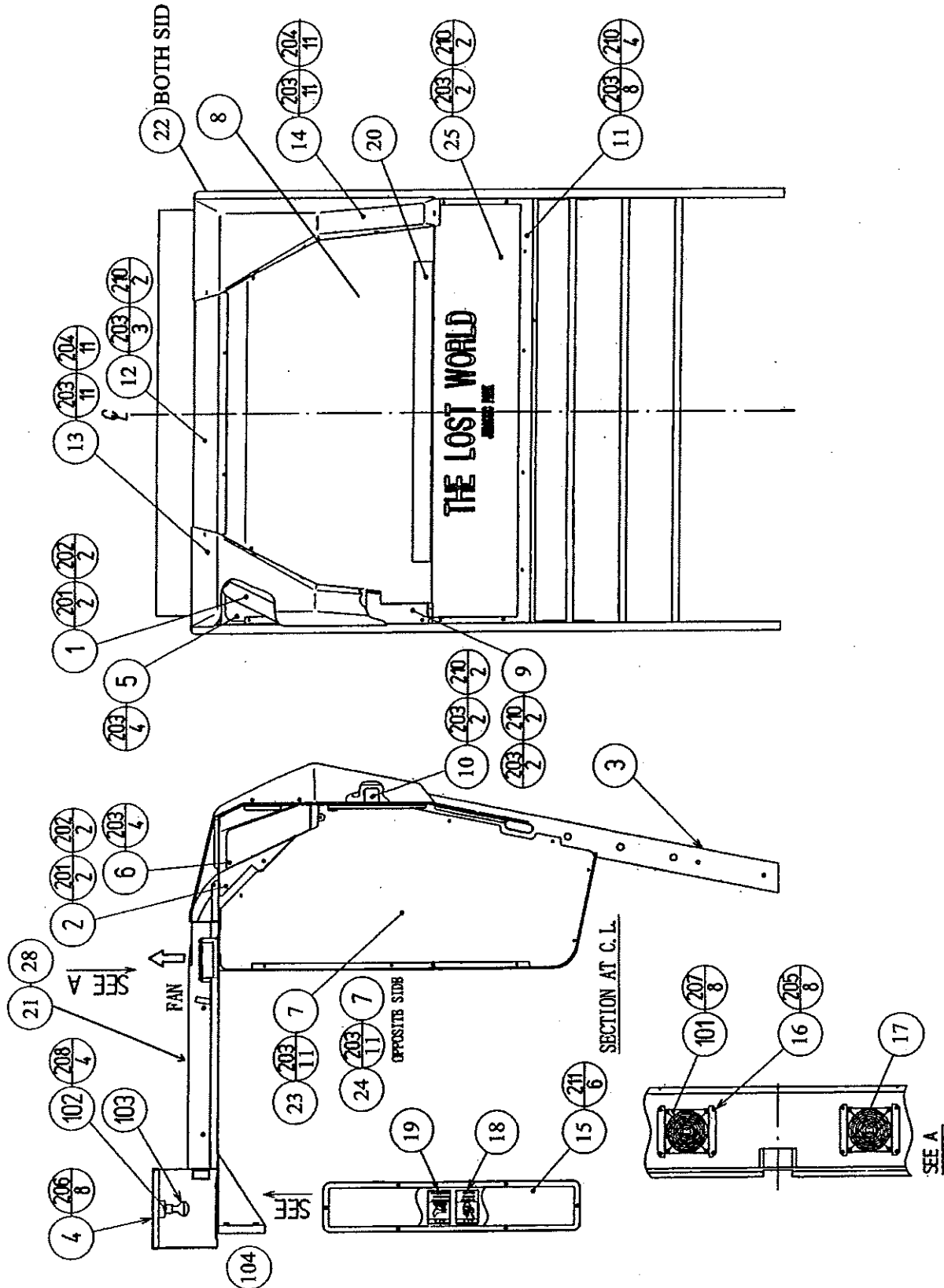
No.	Part Number	Qty	Description	Component Reference
1	JPT-2000	1	CONTROL UNIT 1P	
2	JPT-2050	1	CONTROL UNIT 2P	
3	JPT-3150UK	1	ASSY SUB REAR BASE UK	
4	JPT-3101	2	TUBE CLAMP	
5	JPT-3151-B	1	STICKER REAR BASE JPT	
201	000-T00416-OB	12	M4X16 MSCR POSI TH BNP	(1)-4,(2)-4,(4)-4

17.16. ASSY SUB REAR BASE UK JPT-3150UK



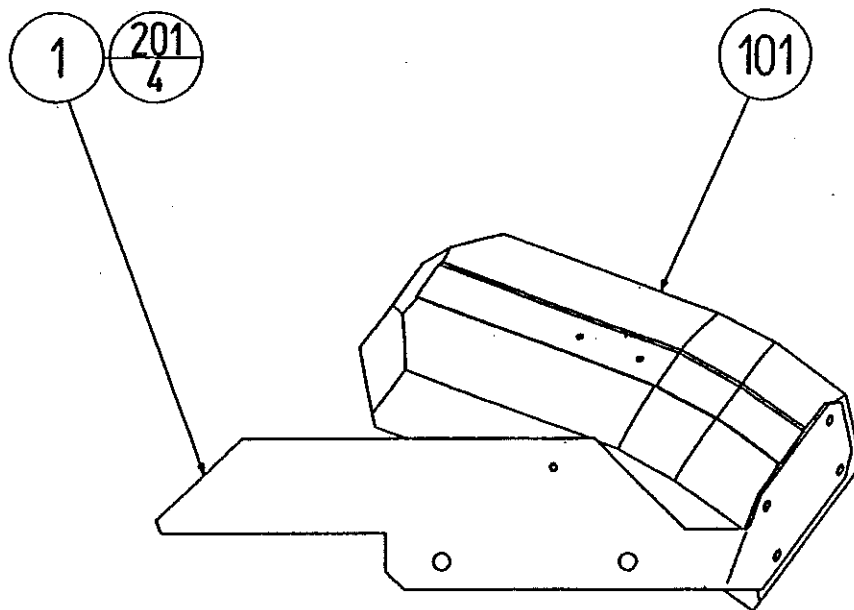
No.	Part Number	Qty	Description	Component Reference
1	JPT-3151UK	1	REAR BASE UK	
2	JPT-3152UK	1	REAR BASE LID	
3	JPT-3156-AUK	1	GUN HOLDER L BLANK	
4	JPT-3157-AUK	1	GUN HOLDER R BLANK	
5	JPT-3158UK	2	HOLDER SLEEVE	
6	JPT-3159	2	HOLDER PAD	(6)-1,(7)-1
7	JPT-3156-B	1	STICKER HOLDER L	(3)-1
8	JPT-3157-B	1	STICKER HOLDER R	(4)-1
9	105-5239-04UK	2	AIR VENT BLACK	(102)-2
101	130-5172	2	BASS SHAKER	
102	260-0011-02	2	AXIAL FLOW FAN AC100V 50-60Hz	
103	280-A01264-WX	3	ROUTER TWIST D12 SO6.4 WOOD X	(2)-3
104	280-A01264-WX	11	ROUTER TWIST D12 SO6.4 WOOD X	(1)-11
201	031-000525-OB	4	M5X25 CRG BLT BNP	(3)-2,(4)-2
203	050-F00500-OB	4	M5 NUT FLG BNP	(3)-2,(4)-2
204	FX0008	8	M4 NUT NLK BZP	(101)-8
205	FX0009	8	M4 WSHR FORM A FLT BZP	(101)-8
206	000-P00440-W	12	M4X40 MSCR POSI PAN W/S PAS	(2)-12
207	FX0261	2	M8 WSHR SPR BZP	(3)-1,(4)-1
208	FX0448	8	N10X1/2" S/TAP HEX B BZP	(102)-8
209	FX0446	4	M5 WSHR TOOTH EXT CSK BZP	(9)-2,(102)-2
210	FX0037	2	M4X12 MSCR POSI PAN BZP	(102)-2
211	FX0165	8	N8X1/2" S/TAP POSI FLG BNP	(9)-8
212	000-B00885-OB	2	M8X85 MSCR SKT BH BNP	(3)-1,(4)-1
301	600-6911-036	1	WIRE HARN GUN EXT	
302	600-6911-037	1	WIRE HARN BASS SHAKER	
303	600-6911-056UK	1	WIRE HARN SPKR FAN INT	

17.17. ASSY REAR FRAME UK JPT-3200UK



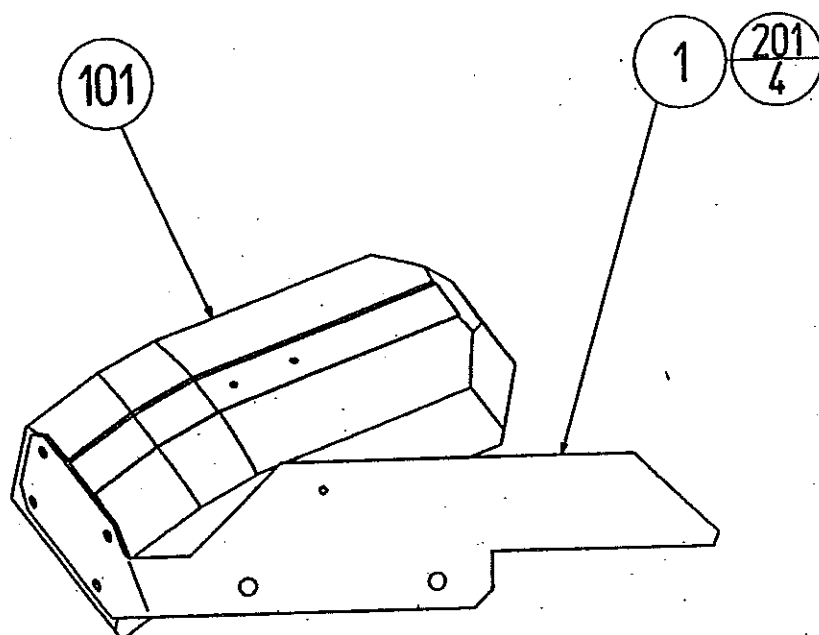
No.	Part Number	Qty	Description	Component Reference
1	JPT-3250	1	ASSY SPEAKER R L	
2	JPT-3255	1	ASSY SPEAKER R R	
3	JPT-3201UK	1	REAR FRAME	
4	JPT-3202	1	ROOF LID	
5	JPT-3203UK	1	SPEAKER COVER L	
6	JPT-3204UK	1	SPEAKER COVER R	
7	JPT-3205-A	2	SIDE WINDOW BLANK	
8	JPT-3207-A	1	REAR WINDOW BLANK	
9	JPT-3208UK	1	REAR WIN SASH L	
10	JPT-3209UK	1	REAR WIN SASH R	
11	JPT-3210	1	REAR WIN SASH D	
12	JPT-3211	1	ROOF PLATE	
13	JPT-3212	1	AURICLE L	
14	JPT-3213	1	AURICLE R	
15	JPT-3214UK	1	LAMP PLATE UK	
16	105-5275	4	FAN BRKT	
17	FN1012	2	MESH GUARD METAL 120mm FAN	(101)-2
18	LB1102	2	STICKER DANGEROUS VOLTAGE	(4)-1,(15)-1
19	LB1104	2	STICKER CAUTION, HOT SURFACE	(4)-1,(15)-1
20	421-9594-01	1	STICKER INSTR JPT ENG	
21	JPT-3201-BUK	1	ROOF	
22	JPT-3201-C	2	STICKER SOMETHING	
23	JPT-3205-B	1	STICKER ACRYL L	(7)-1
24	JPT-3206-B	1	STICKER ACRYL R	(7)-1
25	JPT-3207-B	1	STICKER ACRYL REAR	(8)-1
28	JPT-3201-DUK	1	WIRE COVER	(21)-1
101	260-0011-02	2	AXIAL FLOW FAN AC100V 50-60Hz	
102	214-0216	2	SWAN SOCKET(#1518BA15S)	
103	390-5714	2	LAMP 110V 30W SINGLE AR	
104	838-11856	1	CONNECT BD	
105	280-A01200-A	4	ROUTER TWIST D12 ADH	
106	OS1220	1	FOAM STRIP 8mmSQ ADHESIVE	(28)-1
201	030-000820-SB	4	M8X20 BLT W/S BNP	(1)-2,(2)-2
202	FX0400	4	M8 WSHR FORM A FLT BNP	(1)-2,(2)-2
203	000-T00412-OB	63	M4X12 MSCR POSI TH BNP	
204	068-441616-OB	22	M4 WSHR 16OD FLT BNP	(13)-11,(14)-11
205	FX0011	13	M4 NUT FLG SER BZP	(18)-8,(21)-5
206	000-P00408-WB	8	M4X8 MSCR POSI PAN W/FS BNP	(4)-8
207	000-P00316-W	8	M3X16 MSCR POSI PAN W/S PAS	(101)-8
208	000-P00312-S	4	M3X12 MSCR POSI PAN W/S PAS	(102)-4
209	000-P00320-W	2	M3X20 MSCR POSI PAN W/FS PAS	(104)-2
210	050-C00400-3B	12	M4 NUT DOME BNP	(8,9,10,12)-2 EA, (11)-4
211	000-F00410-OB	6	M4X10 MSCR POSI CSK BNP	(15)-6
212	FX0210	4	M4 NUT BZP	(28)-4
213	FX0403	1	M4X8 MSCR POSI PAN BNP	(28)-1
301	600-6911-038UK	1	WIRE HARN REAR SP EXT ROOF	
302	600-6911-039	1	WIRE HARN SPOT LIGHT	
303	600-6911-040	1	WIRE HARN AC ROOF	
304	600-6911-041	1	WIRE HARN FAN MOTOR	
305	LM9111	2	LOOM EARTH 300mm	FAN TO EARTH STUD

17.18. ASSY SPEAKER R L JPT-3250



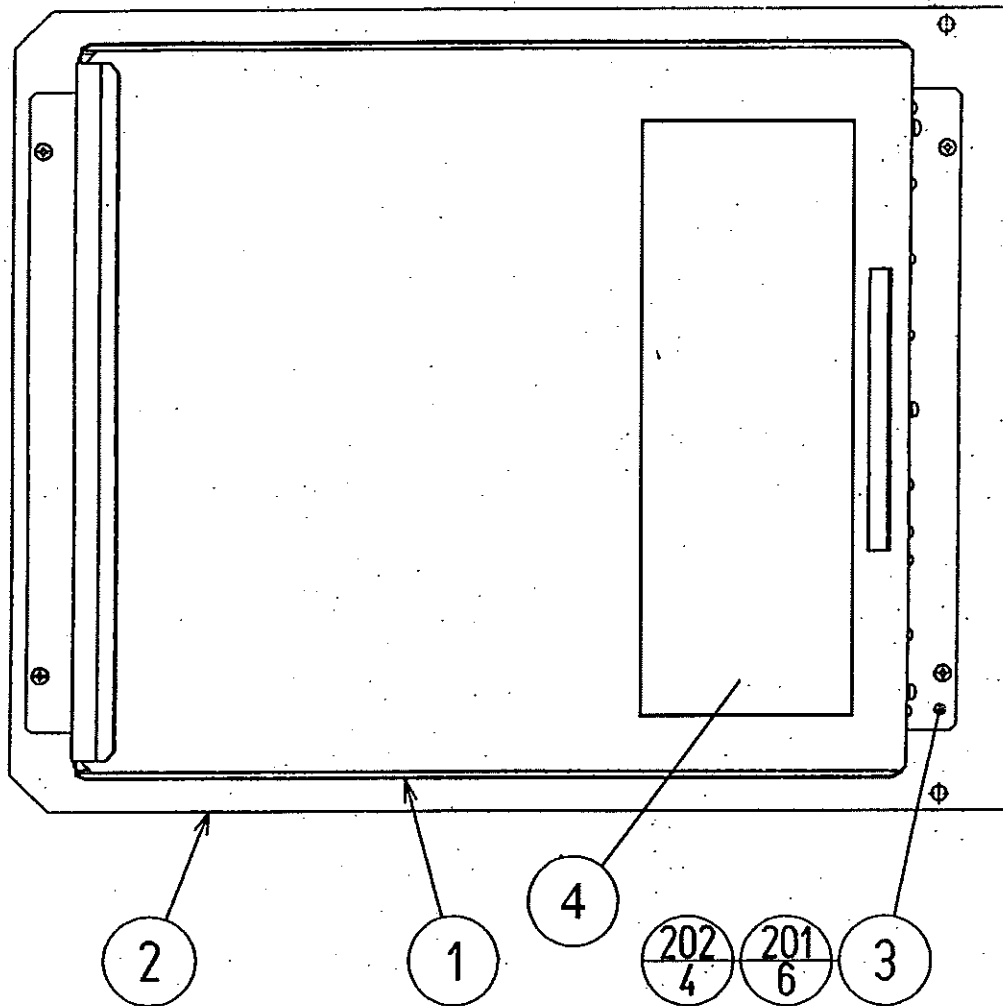
No.	Part Number	Qty	Description	Component Reference
1	JPT-3251X	1	SPEAKER BRKT L	
101	130-5162	1	GULL BOX SPEAKER 8OHM 8W	
201	FX0163	4	N8X1/2" S/TAP POSI FLG BZP	(1)-4
301	600-6911-044	1	WIRE HARN REAR SPEAKER L	

17.19. ASSY SPEAKER R R JPT-3255



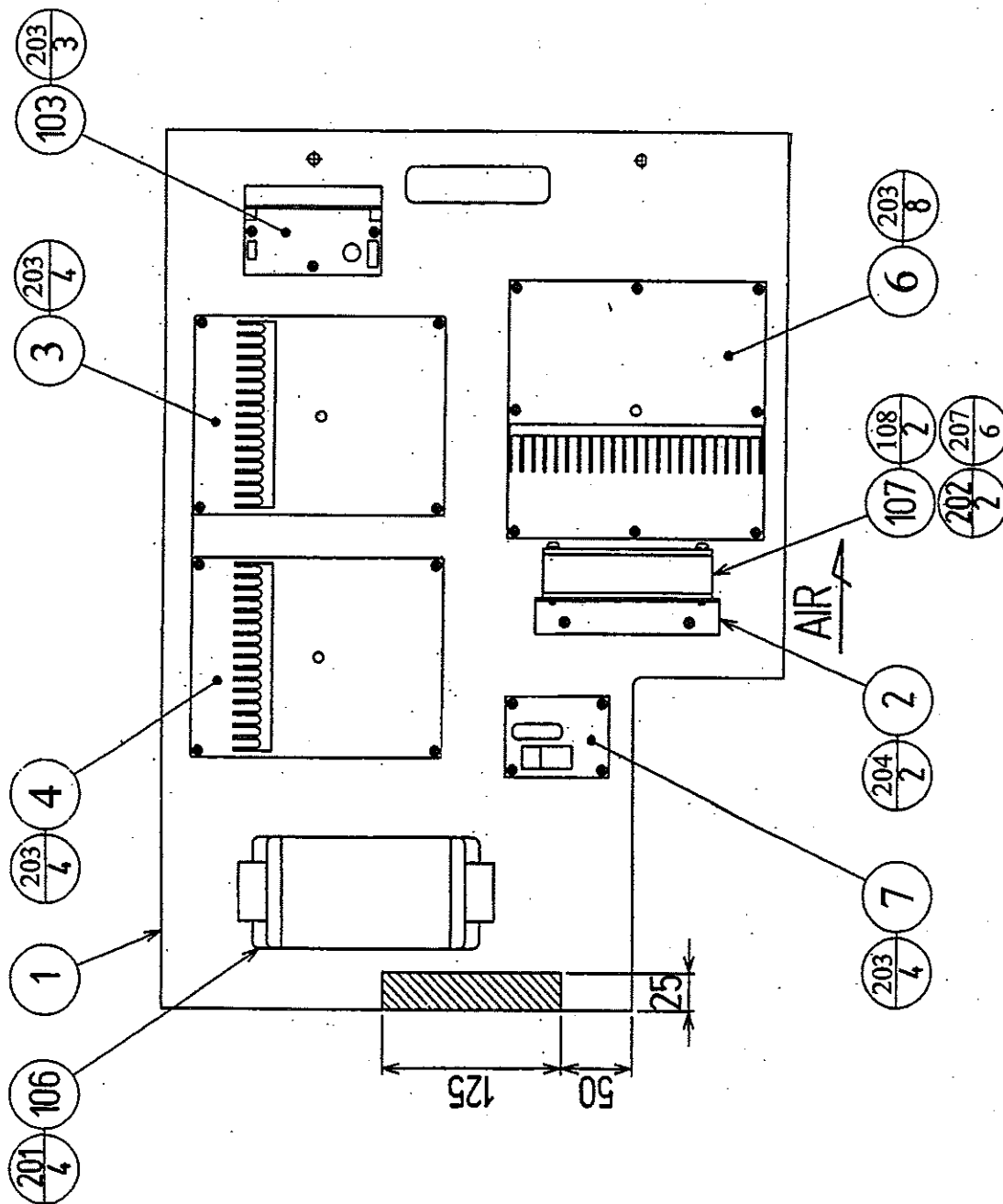
No.	Part Number	Qty	Description	Component Reference
1	JPT-3256X	1	SPEAKER BRKT R	
101	130-5162	1	GULL BOX SPEAKER 8OHM 8W	
201	FX0163	4	N8X1/2" S/TAP POSI FLG BZP	(1)-4
301	600-6911-043	1	WIRE HARN REAR SPEAKER R	

17.20. ASSY MAIN BD JPT-4000



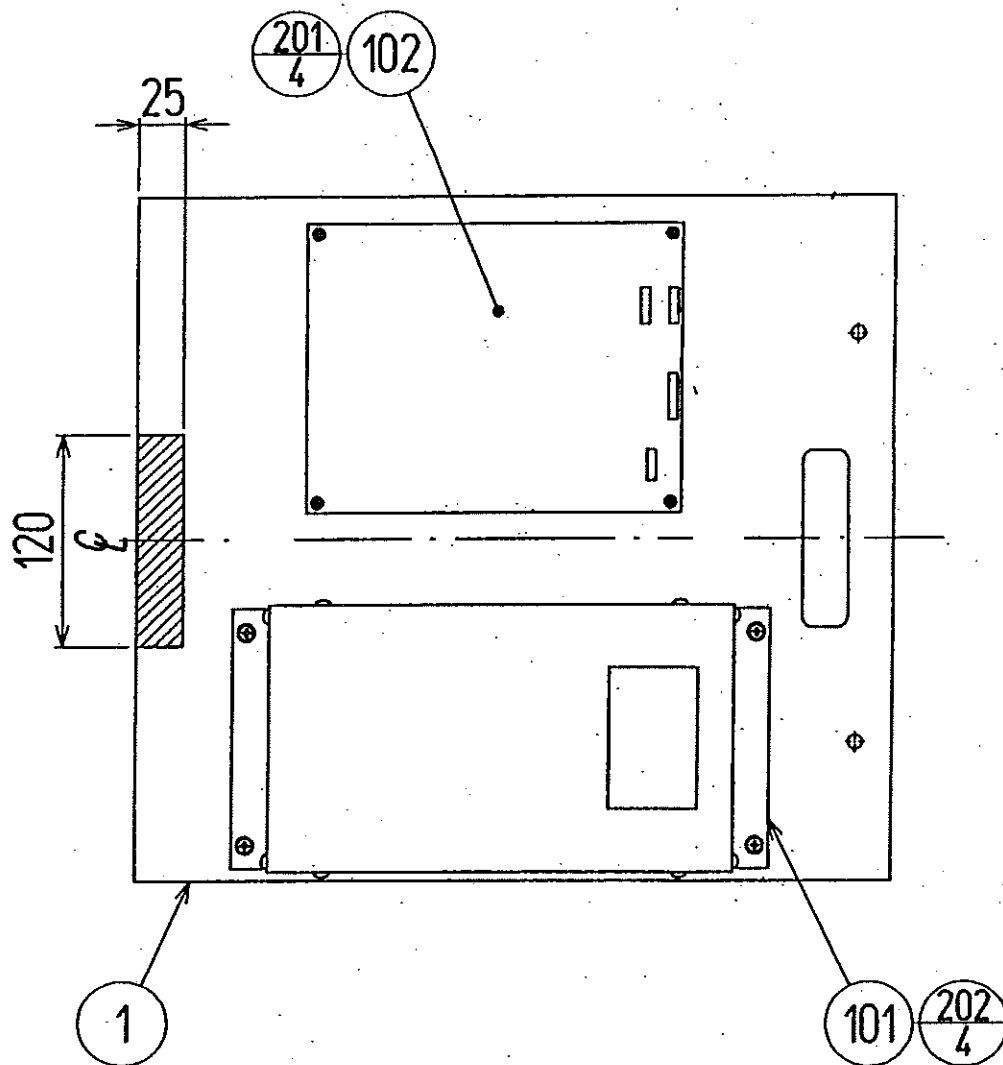
No.	Part Number	Qty	Description	Component Reference
1	JPT-0100	1	ASSY SHIELD CASE	
2	JPT-4001	1	MAIN BD BASE	
3	105-5241	2	SHIELD CASE BRKT	
4	LB1101	1	STICKER WARNING BATTERY	SHIELD CASE LID
201	000-P00408-W	7	M4X8 MSCR POSI PAN W/FS PAS	(3)-6,(301)-1
202	000-P00420-W	4	M4X20 MSCR POSI PAN W/FS PAS	(3)-4
301	LM9611	1	LOOM EARTH 1000mm	SHIELD CASE TO AC BRKT

17.21. ASSY PWR SPLY UK JPT-4100UK



No.	Part Number	Qty	Description	Component Reference
1	JPT-4101UK	1	PWR SPLY BASE	
2	JPT-4102UK	1	FAN BRKT	
3	838-11650-01	1	PEC EQ. PWR AMP RALLY	
4	838-11650-28	1	EQ.PWR AMP JPT B	
5	838-11651	1	PEC LOWPASS AMP	
6	838-13142	1	BASS AMP 50WX2	
7	838-11855	1	SSR,CONN BD	
8	JPT-4103UK	1	DIVIDER BRKT	BESIDE SSR CONN BD
9	PP1108	1	FUSE COVER 20X6mm	(7)-1
106	560-5363UK	1	AUDIO XFMR 12.8V6AX2 23V9.6AX2	
107	260-0011-02	1	AXIAL FLOW FAN AC100V 50-60Hz	
108	FN1012	2	MESH GUARD METAL 120mm FAN	
109	514-5080-10000UK	2	FUSE 32X6.35 HRC SB 10000mA	(309)-2
110	EP1361	2	FUSE HOLDER COVER 1 1/4"	(309)-2
201	000-P00616-W	4	M6X16 MSCR POSI PAN W/FS PAS	(106)-4
202	FX0448	2	N10X1/2" S/TAP HEX B BZP	(107)-2
203	FX0151	23	N4X1" S/TAP POSI PAN BZP	(3/4/7)-4EA, (5)-3,(6)-8
204	FX0163	2	N8X1/2" S/TAP POSI FLG BZP	(2)-2
205	FX0245	2	M5 WSHR FORM A FLT BZP	(107)-2
207	OS1195	6	RIVET SNAP MOSS SR1811	(110)-6
208	FX0150	2	N4X5/8" S/TAP POSI CSK BZP	2-(309)
301	600-6911-001UK	1	WIRE HARN SSR 100V IN	
302	600-6911-002UK	1	WIRE HARN PWR SPLY CONN BD	
303	600-6911-003	1	WIRE HARN PWR SPLY SSR	
304	600-6911-004	1	WIRE HARN PWR SPLY XFMR OUT 1	
305	600-6911-005	1	WIRE HARN PWR SPLY XFMR OUT 2	
306	600-6911-006	1	WIRE HARN PWR SPLY SOUND F P	
307	600-6911-007	1	WIRE HARN PWR SPLY SOUND F C	
308	600-6911-008	1	WIRE HARN PWR SPLY SPEAKER	
309	600-6911-009	1	WIRE HARN PWR SPLY BASS SHAK	
310	600-6911-010	1	WIRE HARN PWR SPLY WOOFER	
311	600-6911-011	1	WIRE HARN PWR SPLY SOUND IN	
312	600-6911-012	1	WIRE HARN PWR SPLY SOUND VR	
313	600-6911-053UK	1	WIRE HARN XFMR 12.5v OUT	

17.22. ASSY GUN SENSE BD UK JPT-4200



No.	Part Number	Qty	Description	Component reference
1	JPT-4201UK	1	SENSE BD BASE	
101	400-5330-02	1	SW REGU FOR MODEL 3	
102	838-13143	1	IC BD GUN SENSE	
201	FX0151	4	N4X1" S/TAP POSI PAN BZP	(102)-4
202	FX0163	4	N8X1/2" S/TAP POSI FLG BZP	(101)-4
301	600-6911-017	1	WIRE HARN SENSOR CONTROL PT	
302	600-6911-018	1	WIRE HARN SENSOR CONTROL GU	
303	600-6911-054UK	1	WIRE HARN SPKR FAN EXT	

18. WIRE COLOUR CODE TABLE

THE WIRE COLOUR CODE IS AS FOLLOWS:

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

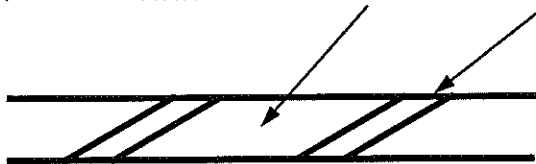
Wires other than those of any of the colours listed above will be displayed by 2 alphanumeric characters:

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

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

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

[Example] 51----- WHITE/RED = WHITE wire with RED stripes



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

K:	AWG18, UL1015
L:	AWG20, UL1007
None	AWG22, UL1007

19. COIN MECH INSTALLATION AND CREDIT BOARD SET-UP

19.1. INTRODUCTION

Game credits between the Coin Mech and the game board for this machine are controlled by a *Klingon* board. This electronic circuit allows the price of play to be set for a range of different countries. These functions are set on Dual In Line (DIL) PCB mounted switches.

DIL-2 is used to set the currency (or coin ratio) and DIL-1 the price of play. Refer to the Tables on the following pages for the correct settings for your environment.

The *Klingon* board pictured below is mounted on the VTS Bracket within the Coin Chute Tower.

The *Klingon* board is connected to the coin validator and lamps via a dedicated wiring harness depending upon the coin validator used:

Wiring Harness	Validator	
LM1006	Coin Controls	(15 way connector)
LM1007	Mars	(13 way connector)
LM1008	Mechanical	See note 2
N/A	NRI	See note 1

Notes

1. If NRI mechs are to be used, these should be ordered with the highest denomination coin on coin path #1 and the lowest denomination on coin path #4. The *Klingon* board should be then be set up for either the UK or Switzerland settings. A minimum connecting lead length of 600mm is required.
2. Mechanical coin mechs may be connected in parallel allowing two identical mechs to be fitted.

19.2. KLINGON CREDIT BOARD OPTION SETTINGS

DIL Switch 2 (under IC socket)

Coin Controls:

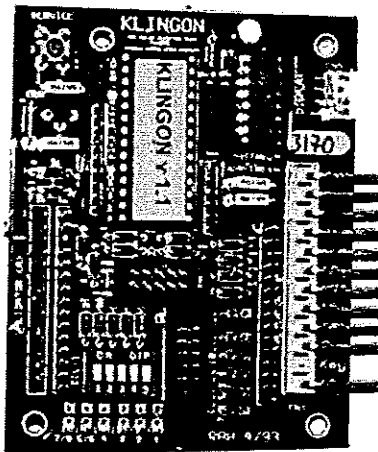
Mars:

SW 1	SW 2	SW 3	SW 4	OPTIONS	COIN 1 F	COIN 2 E	COIN 3 D	COIN 4 C
OFF	OFF	OFF	-	UK coin setting	£1	50p	20p	10p
ON	OFF	OFF	-	Belgium coin setting	n/u	50BFr	20BFr	5BFr
OFF	ON	OFF	-	Spain coin setting	100Pta	50Pta	n/u	25Pta
ON	ON	OFF	-	German coin setting using NRI	-	-	-	-
OFF	OFF	ON	-	Netherlands coin setting	n/u	5NLG	2.5NLG	1NLG
ON	OFF	ON	-	Portugal coin setting	100Es	50Es	n/u	n/u
OFF	ON	ON	-	Austria coin setting	20Sch	10Sch	5Sch	1Sch
ON	ON	ON	-	Switzerland coin setting	5SFr	2SFr	1SFr	n/u
-	-	-	OFF	Direct mode	-	-	-	-
-	-	-	ON	2 channel mode	-	-	-	-

Note: These switch settings are under constant review and may change due to world currency updates.

Set DIL switches (DIL-1) SW-1 to SW-5 according to the option settings found in the relevant Price Of Play Settings Table on the following pages.

Set DIL switches (DIL-2) on the *Klingon* board located under the IC socket as shown in the table above. SW-4 must always be set 'ON' as the game board only operates in common mode. Care must be exercised when removing IC-1 so as not to damage its lead-outs pins. After setting the switches return the IC to its socket with the package indent mark adjacent to the board edge.



The "Klingon" board.

19.2.1.PRICE OF PLAY SETTINGS FOR THE UK (£ = Pound Sterling)

				DIP SWITCH SETTING				
				1	2	3	4	5
10p Play	50p = 5	-	£1 = 10	OFF	OFF	OFF	OFF	OFF
10p Play	50p = 5	-	£1 = 11	ON	OFF	OFF	OFF	OFF
10p Play	50p = 6	-	£1 = 12	OFF	ON	OFF	OFF	OFF
20p Play	50p = 2 ½	-	£1 = 5	ON	ON	OFF	OFF	OFF
20p Play	50p = 3	-	£1 = 6	OFF	OFF	ON	OFF	OFF
20p Play	50p = 3	-	£1 = 7	ON	OFF	ON	OFF	OFF
30p Play	50p = 1 2/3	-	£1 = 3 1/3	OFF	ON	ON	OFF	OFF
30p Play	50p = 2	-	£1 = 4	ON	ON	ON	OFF	OFF
30p Play	50p = 2	-	£1 = 5	OFF	OFF	OFF	ON	OFF
40p Play	50p = 1 ¼	-	£1 = 2 ½	ON	OFF	OFF	ON	OFF
40p Play	50p = 1 ¼	-	£1 = 3	OFF	ON	OFF	ON	OFF
50p Play	50p = 1	-	£1 = 2	ON	ON	OFF	ON	OFF
50p Play	50p = 1	-	£1 = 3	OFF	OFF	ON	ON	OFF
60p Play	50p = 5/6	-	£1 = 1 2/5	ON	OFF	ON	ON	OFF
60p Play	50p = 5/6	-	£1 = 2	OFF	ON	ON	ON	OFF
80p Play	50p = 5/8	-	£1 = 1¼	ON	ON	ON	ON	OFF
£1 Play	50p = ½	-	£1 = 1	OFF	OFF	OFF	OFF	ON
£1 Play	50p = ½	£1 = 1	£2 = 3	ON	OFF	OFF	OFF	ON
£2 Play	50p = ¼	-	£1 = ½	OFF	ON	OFF	OFF	ON
£2 Play	50p = ¼	£1 = ½	£5 = 3	ON	ON	OFF	OFF	ON
£3 Play	NO BONUSES			OFF	OFF	ON	OFF	ON
-	-	-	-	ON	OFF	ON	OFF	ON
-	-	-	-	OFF	ON	ON	OFF	ON
-	-	-	-	ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 10p:

Coin 1 = £1, Coin 2 = 50p, Coin 3 = 20p, Coin 4 = 10p

19.2.2.PRICE OF PLAY SETTINGS FOR BELGUIM (BFr = Belgian Franc)

				DIP SWITCH SETTING				
				1	2	3	4	5
5BFr Play	20BFr = 4	-	50BFr = 10	OFF	OFF	OFF	OFF	OFF
5BFr Play	20BFr = 4	-	50BFr = 11	ON	OFF	OFF	OFF	OFF
5BFr Play	20BFr = 5	-	50BFr = 12	OFF	ON	OFF	OFF	OFF
10BFr Play	20BFr = 2	-	50BFr = 5	ON	ON	OFF	OFF	OFF
10BFr Play	20BFr = 2	-	50BFr = 5	OFF	OFF	ON	OFF	OFF
10BFr Play	20BFr = 3	-	50BFr = 7	ON	OFF	ON	OFF	OFF
15BFr Play	20BFr = 1 1/3	-	50BFr = 3 1/3	OFF	ON	ON	OFF	OFF
15BFr Play	20BFr = 1 1/3	-	50BFr = 4	ON	ON	ON	OFF	OFF
15BFr Play	20BFr = 2	-	50BFr = 5	OFF	OFF	OFF	ON	OFF
20BFr Play	-	-	50BFr = 2 1/2	ON	OFF	OFF	ON	OFF
20BFr Play	-	-	50BFr = 3	OFF	ON	OFF	ON	OFF
20BFr Play	50BFr = 3	-	100BFr = 7	ON	ON	OFF	ON	OFF
25BFr Play	20BFr = 4/5	-	50BFr = 2	OFF	OFF	ON	ON	OFF
25BFr Play	20BFr = 4/5	50BFr = 2	100BFr = 5	ON	OFF	ON	ON	OFF
25BFr Play	20BFr = 4/5	50BFr = 3	100BFr = 6	OFF	ON	ON	ON	OFF
30BFr Play	20BFr = 2/3	-	50BFr = 1 1/2	ON	ON	ON	ON	OFF
30BFr Play	20BFr = 2/3	50BFr = 1 2/3	100BFr = 4	OFF	OFF	OFF	OFF	ON
30BFr Play	20BFr = 2/3	50BFr = 2	100BFr = 4	ON	OFF	OFF	OFF	ON
40BFr Play	20BFr = 1/2	-	50BFr = 1 1/4	OFF	ON	OFF	OFF	ON
40BFr Play	20BFr = 1/2	50BFr = 2 1/4	100BFr = 3	ON	ON	OFF	OFF	ON
				OFF	OFF	ON	OFF	ON
				ON	OFF	ON	OFF	ON
				OFF	ON	ON	OFF	ON
				ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 5BFr:

Coin 1 = n/u, Coin 2 = 50BFr, Coin 3 = 20BFr, Coin 4 = 5BFr

19.2.3.PRICE OF PLAY SETTINGS FOR SPAIN (Pta = Peseta)

				DIP SWITCH SETTING				
				1	2	3	4	5
25Pta Play	50Pta = 2	-	100Pta = 4	OFF	OFF	OFF	OFF	OFF
25Pta Play	50Pta = 2	-	100Pta = 5	ON	OFF	OFF	OFF	OFF
-	-	-	-	OFF	ON	OFF	OFF	OFF
50Pta Play	100Pta = 2	-	-	ON	ON	OFF	OFF	OFF
50Pta Play	100Pta = 3	-	-	OFF	OFF	ON	OFF	OFF
50Pta Play	100Pta = 3	-	200Pta = 7	ON	OFF	ON	OFF	OFF
75Pta Play	100Pta = 2/3	-	-	OFF	ON	ON	OFF	OFF
75Pta Play	100Pta = 2/3	-	200Pta = 3	ON	ON	ON	OFF	OFF
75Pta Play	200Pta = 3	-	400Pta = 7	OFF	OFF	OFF	ON	OFF
100Pta Play	-	-	-	ON	OFF	OFF	ON	OFF
100Pta Play	200Pta = 3	-	-	OFF	ON	OFF	ON	OFF
200Pta Play	-	-	-	ON	ON	OFF	ON	OFF
200Pta Play	500Pta = 3	-	-	OFF	OFF	ON	ON	OFF
300Pta Play	-	-	-	ON	OFF	ON	ON	OFF
300Pta Play	500Pta = 2	-	-	OFF	ON	ON	ON	OFF
400Pta Play	-			ON	ON	ON	ON	OFF
400Pta Play	1000Pta = 3			OFF	OFF	OFF	OFF	ON
				ON	OFF	OFF	OFF	ON
				OFF	ON	OFF	OFF	ON
				ON	ON	OFF	OFF	ON
				OFF	OFF	ON	OFF	ON
				ON	OFF	ON	OFF	ON
				OFF	ON	ON	OFF	ON
				ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 25Pta:

Coin 1 = 100Pta, Coin 2 = 50Pta, Coin 3 = n/u, Coin 4 = 25Pta

19.2.4.PRICE OF PLAY SETTINGS FOR THE NETHERLANDS (NLG = Netherlands Guilder)

				DIP SWITCH SETTING				
				1	2	3	4	5
1NLG Play	NO BONUS			OFF	OFF	OFF	OFF	OFF
1NLG Play	2.5NLG = 3	-	5NLG = 6	ON	OFF	OFF	OFF	OFF
1NLG Play	2.5NLG = 3	-	5NLG = 7	OFF	ON	OFF	OFF	OFF
2NLG Play	NO BONUS			ON	ON	OFF	OFF	OFF
2NLG Play	5NLG = 3	-	-	OFF	OFF	ON	OFF	OFF
2NLG Play	5NLG = 3	-	10NLG = 7	ON	OFF	ON	OFF	OFF
3NLG Play	NO BONUS			OFF	ON	ON	OFF	OFF
3NLG Play	5NLG = 2	-	-	ON	ON	ON	OFF	OFF
3NLG Play	5NLG = 2	-	10NLG = 5	OFF	OFF	OFF	ON	OFF
4NLG Play	NO BONUS			ON	OFF	OFF	ON	OFF
4NLG Play	10NLG = 3			OFF	ON	OFF	ON	OFF
5NLG Play	NO BONUS			ON	ON	OFF	ON	OFF
5NLG Play	10NLG = 3			OFF	OFF	ON	ON	OFF
6NLG Play	NO BONUS			ON	OFF	ON	ON	OFF
6NLG Play	15NLG = 3			OFF	ON	ON	ON	OFF
8NLG Play	NO BONUS			ON	ON	ON	ON	OFF
8NLG Play	20NLG = 3			OFF	OFF	OFF	OFF	ON
10NLG Play	NO BONUS			ON	OFF	OFF	OFF	ON
10NLG Play	20NLG = 3			OFF	ON	OFF	OFF	ON
				ON	ON	OFF	OFF	ON
				OFF	OFF	ON	OFF	ON
				ON	OFF	ON	OFF	ON
				OFF	ON	ON	OFF	ON
				ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 1NLG:

Coin 1 = N/U, Coin 2 = 5NLG, Coin 3 = 2.5NLG, Coin 4 = 1NLG

19.2.5.PRICE OF PLAY SETTINGS FOR PORTUGAL (Es = Escudo)

				DIP SWITCH SETTING				
				1	2	3	4	5
10Es Play	50Es = 5	-	10Es = 10	OFF	OFF	OFF	OFF	OFF
10Es Play	50Es = 5	-	10Es = 11	ON	OFF	OFF	OFF	OFF
10Es Play	50Es = 6	-	10Es = 12	OFF	ON	OFF	OFF	OFF
20Es Play	50Es = 2 ½	-	100Es = 5	ON	ON	OFF	OFF	OFF
20Es Play	50Es = 3	-	100Es = 6	OFF	OFF	ON	OFF	OFF
20Es Play	50Es = 3	-	100Es = 7	ON	OFF	ON	OFF	OFF
30Es Play	50Es = 1 2/3	-	100Es = 1 1/3	OFF	ON	ON	OFF	OFF
30Es Play	50Es = 2	-	100Es = 4	ON	ON	ON	OFF	OFF
30Es Play	50Es = 2	-	100Es = 5	OFF	OFF	OFF	ON	OFF
40Es Play	50Es = 1 ¼	-	100Es = 2 ½	ON	OFF	OFF	ON	OFF
40Es Play	50Es = 1 ¼	-	100Es = 3	OFF	ON	OFF	ON	OFF
50Es Play	50Es = 1	-	100Es = 2	ON	ON	OFF	ON	OFF
50Es Play	50Es = 1	-	100Es = 3	OFF	OFF	ON	ON	OFF
60Es Play	50Es = 5/6	-	100Es = 1 2/5	ON	OFF	ON	ON	OFF
60Es Play	50Es = 5/6	-	100Es = 2	OFF	ON	ON	ON	OFF
80Es Play	50Es = 5/8	-	100Es = 1 ¼	ON	ON	ON	ON	OFF
100Es Play	50Es = ½	-	100Es = 1	OFF	OFF	OFF	OFF	ON
100Es Play	50Es = ½	100Es = 1	200Es = 3	ON	OFF	OFF	OFF	ON
200Es Play	50Es = ¼	-	100Es = ½	OFF	ON	OFF	OFF	ON
200Es Play	50Es = ¼	100Es = ½	500Es = 3	ON	ON	OFF	OFF	ON
				OFF	OFF	ON	OFF	ON
				ON	OFF	ON	OFF	ON
				OFF	ON	ON	OFF	ON
				ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 10Es:

Coin 1 = 100Es, Coin 2 = 50Es, Coin 3 = n/u, Coin 4 = n/u

19.2.6.PRICE OF PLAY SETTINGS FOR AUSTRIA (Sch = Schilling)

				DIP SWITCH SETTING				
				1	2	3	4	5
1Sch Play	5Sch = 5	-	10Sch = 10	OFF	OFF	OFF	OFF	OFF
1Sch Play	5Sch = 5	-	10Sch = 11	ON	OFF	OFF	OFF	OFF
1Sch Play	5Sch = 6	-	10Sch = 12	OFF	ON	OFF	OFF	OFF
2Sch Play	5Sch = 2 ½	-	10Sch = 5	ON	ON	OFF	OFF	OFF
2Sch Play	5Sch = 3	-	10Sch = 6	OFF	OFF	ON	OFF	OFF
2Sch Play	5Sch = 3	-	10Sch = 7	ON	OFF	ON	OFF	OFF
3Sch Play	5Sch = 1 2/3	-	10Sch = 3 1/3	OFF	ON	ON	OFF	OFF
3Sch Play	5Sch = 2	-	10Sch = 4	ON	ON	ON	OFF	OFF
3Sch Play	5Sch = 2	-	10Sch = 5	OFF	OFF	OFF	ON	OFF
4Sch Play	5Sch = 1 ¼	-	10Sch = 2 ½	ON	OFF	OFF	ON	OFF
4Sch Play	5Sch = 1 ¼	-	10Sch = 3	OFF	ON	OFF	ON	OFF
5Sch Play	5Sch = 1	-	10Sch = 2	ON	ON	OFF	ON	OFF
5Sch Play	5Sch = 1	-	10Sch = 3	OFF	OFF	ON	ON	OFF
6Sch Play	5Sch = 5/6	-	10Sch = 1 2/5	ON	OFF	ON	ON	OFF
6Sch Play	5Sch = 5/6	-	10Sch = 2	OFF	ON	ON	ON	OFF
8Sch Play	5Sch = 5/8	-	10Sch = 1 ¼	ON	ON	ON	ON	OFF
10Sch Play	5Sch = ½	-	10Sch = 1	OFF	OFF	OFF	OFF	ON
10Sch Play	5Sch = ½	10Sch = 1	20Sch = 3	ON	OFF	OFF	OFF	ON
20Sch Play	5Sch = ¼	-	10Sch = ½	OFF	ON	OFF	OFF	ON
20Sch Play	5Sch = ¼	10Sch = ½	50Sch = 3	ON	ON	OFF	OFF	ON
30Sch Play	NO BONUSES			OFF	OFF	ON	OFF	ON
30Sch Play	50Sch = 3	-	-	ON	OFF	ON	OFF	ON
50Sch Play	-	-	-	OFF	ON	ON	OFF	ON
50Sch Play	100Sch = 3	-	-	ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 1Sch:

Coin 1 = 20Sch, Coin 2 = 10Sch, Coin 3 = 5Sch, Coin 4 = 1Sch

19.2.7.PRICE OF PLAY SETTINGS FOR SWITZERLAND (SFr = Swiss Franc)

				DIP SWITCH SETTING				
				1	2	3	4	5
1SFr Play	5SFr = 5	-	10SFr = 10	OFF	OFF	OFF	OFF	OFF
1SFr Play	5SFr = 5	-	10SFr = 11	ON	OFF	OFF	OFF	OFF
1SFr Play	5SFr = 6	-	10SFr = 12	OFF	ON	OFF	OFF	OFF
2SFr Play	5SFr = 2 ½	-	10SFr = 5	ON	ON	OFF	OFF	OFF
2SFr Play	5SFr = 3	-	10SFr = 6	OFF	OFF	ON	OFF	OFF
2SFr Play	5SFr = 3	-	10SFr = 7	ON	OFF	ON	OFF	OFF
3SFr Play	5SFr = 1 2/3	-	10SFr = 3 1/3	OFF	ON	ON	OFF	OFF
3SFr Play	5SFr = 2	-	10SFr = 4	ON	ON	ON	OFF	OFF
3SFr Play	5SFr = 2	-	10SFr = 5	OFF	OFF	OFF	ON	OFF
4SFr Play	5SFr = 1 ¼	-	10SFr = 2 ½	ON	OFF	OFF	ON	OFF
4SFr Play	5SFr = 1 ¼	-	10SFr = 3	OFF	ON	OFF	ON	OFF
5SFr Play	5SFr = 1	-	10SFr = 2	ON	ON	OFF	ON	OFF
5SFr Play	5SFr = 1	-	10SFr = 3	OFF	OFF	ON	ON	OFF
6SFr Play	5SFr = 5/6	-	10SFr = 1 2/5	ON	OFF	ON	ON	OFF
6SFr Play	5SFr = 5/6	-	10SFr = 2	OFF	ON	ON	ON	OFF
8SFr Play	5SFr = 5/8	-	10SFr = 1 ¼	ON	ON	ON	ON	OFF
10SFr Play	5SFr = ½	-	10SFr = 1	OFF	OFF	OFF	OFF	ON
10SFr Play	5SFr = ½	10SFr = 1	20SFr = 3	ON	OFF	OFF	OFF	ON
20SFr Play	5SFr = ¼	-	10SFr = ½	OFF	ON	OFF	OFF	ON
20SFr Play	5SFr = ¼	10SFr = ½	50SFr = 3	ON	ON	OFF	OFF	ON
-	-	-	-	OFF	OFF	ON	OFF	ON
-	-	-	-	ON	OFF	ON	OFF	ON
-	-	-	-	OFF	ON	ON	OFF	ON
-	-	-	-	ON	ON	ON	OFF	ON
FREE PLAY OPTION				ON	ON	ON	ON	ON

1 Meter Pulse = 1SFr:

Coin 1 = n/u, Coin 2 = 5SFr, Coin 3 = 2SFr, Coin 4 = 1SFr

20. APPENDIX A - ELECTRICAL SCHEMATIC

The following 2 page(s) contains the electrical schematic for this machine.

21. APPENDIX B - DETAILS OF TOSHIBA PTV

The following pages contain details of the Toshiba PTV fitted to this product.

TOSHIBA

OPERATION MANUAL

FOR
CRT PROJECTOR

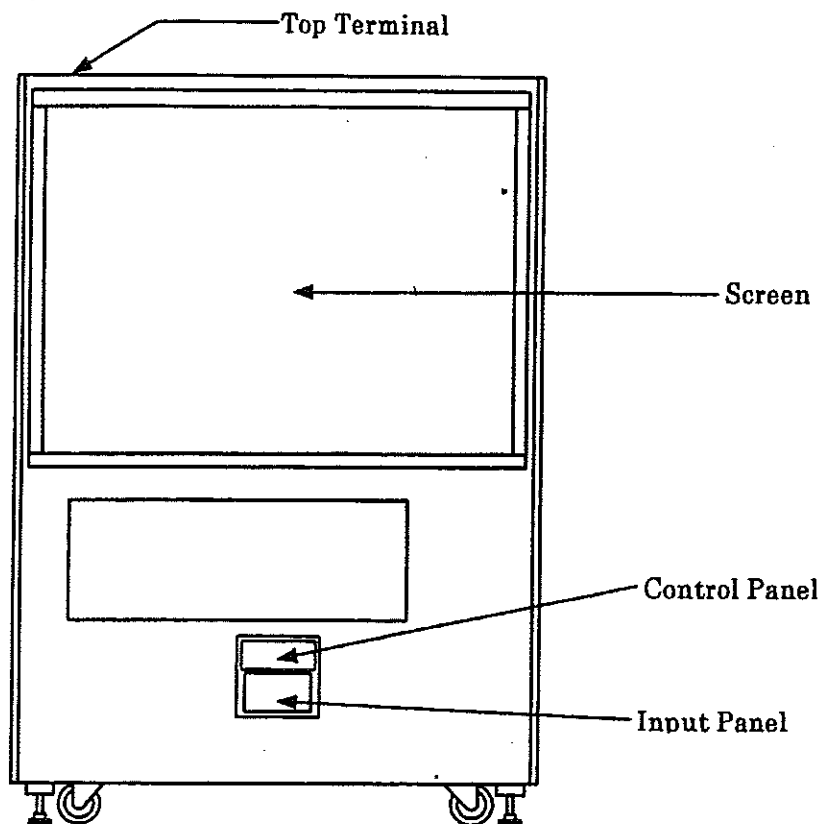
TOSHIBA CORPORATION
IMAGING & INFORMATION SYSTEMS DIVISION

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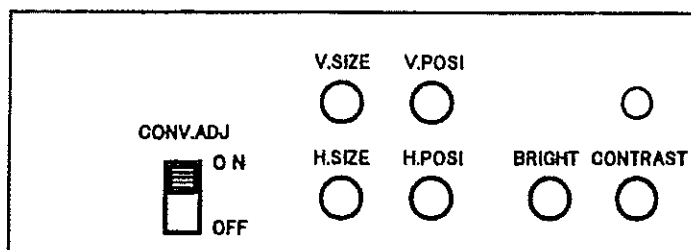
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Appearance & the names of each function

PROJECTOR

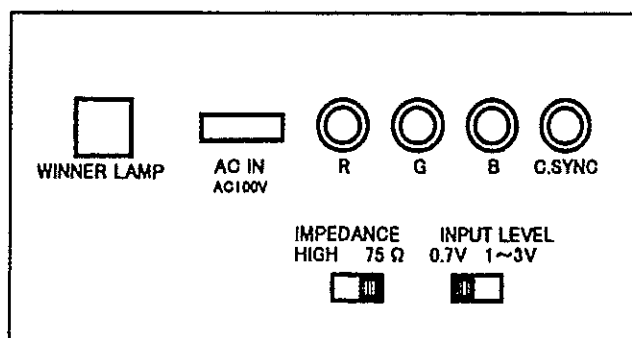


★Description of Control Panel



Please refer page 4 and 9 for how to operate each knob.

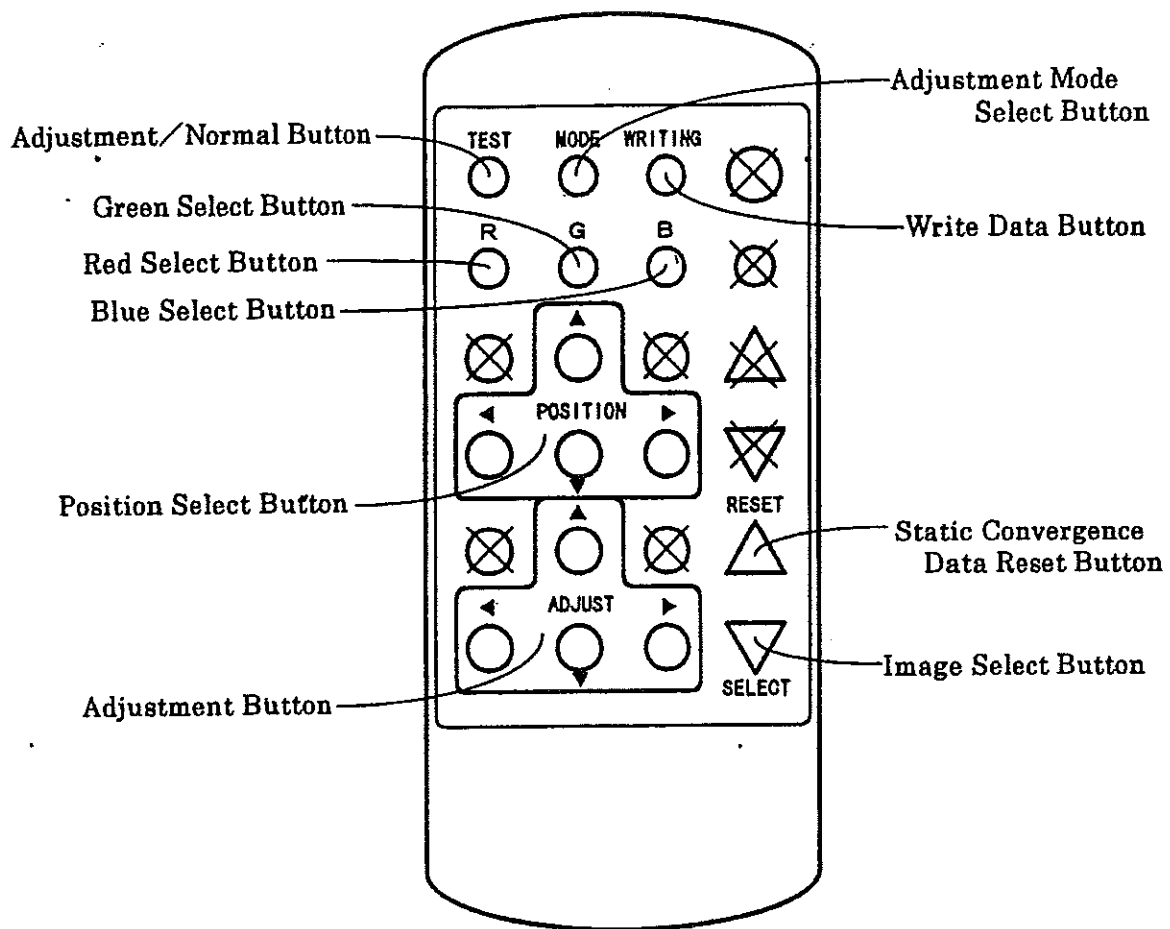
★Description of Input Panel



Please refer page 9 for how to operate IMPEDANCE switch and INPUT LEVEL switch.

Appearance & the names of each function

■ REMOTE CONTROL UNIT



- Recommendable position for the use of Remote Control Unit is :
 - 1) 30° in top/bottom/right/left from the center of projector's screen.
 - 2) Maximum 3m from the center of projector's screen.
- If the operation by Remote Control unit becomes not smooth, please change the batteries to the new pair.
- The buttons marked × are not used for the operation of this projector.

Operation and Adjustment Procedure

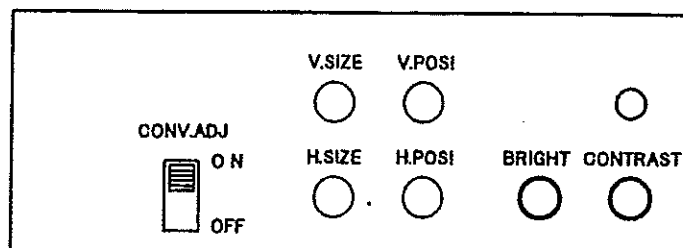
■ Notice

- Please do not touch the electrical circuit inside the engine while electric power is supplied, in order to avoid the possible accident of electric shock.
- Adjust it in the state that inputted game software signal from game machine.

■ Brightness & Contrast

Please use the knobs on the Control Panel for the adjustment.

- ◇ It is possible to adjust the brightness of image by using BRIGHT knob. Turn it clockwise (●), to increase the brightness. Please set the knob at the clicking position for the normal use.
- ◇ It is possible to adjust the contrast of image by using CONTRAST knob. Turn it clockwise (●) to increase the contrast, however, it can be a cause of trouble such as fading of focus or CRT phosphor burning if projector is used for long time at high contrast adjustment.

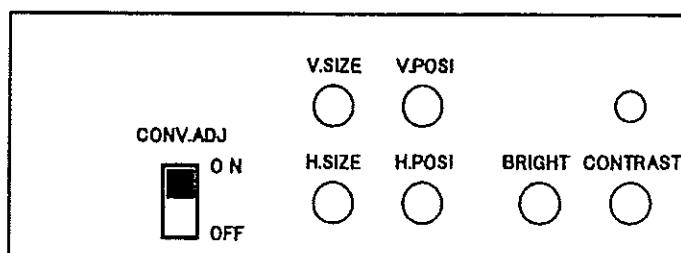


■ Static Convergence

It is occurable to deteriorate the color adjustment, due to the occurrence of magnetism from other equipment around the location of projector or due to terrestrial magnetism. It is same when the location or direction of projector is changed. Please adjust the static convergence in these case.

- ① Please turn on CONV ADJ switch of Control Panel to make the projector being ready to accept the signal from Remote Control Unit (It is better to turn Off CONV ADJ switch after the adjustment for the protection.)

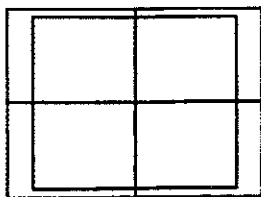
When more than 2 projectors in a line should be adjusted, CONV ADJ switch of all the projectors should be off except the set under the adjustment work.



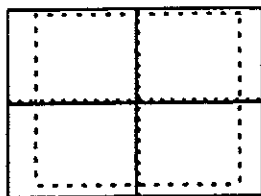
- CONV ADJ switch is established by ON in factory shipment state.

Operation and Adjustment Procedure

- ② Push TEST button of Remote Control Unit for about 3 seconds toward the projector.
Then the image on the projector changes to the test pattern of green cross.

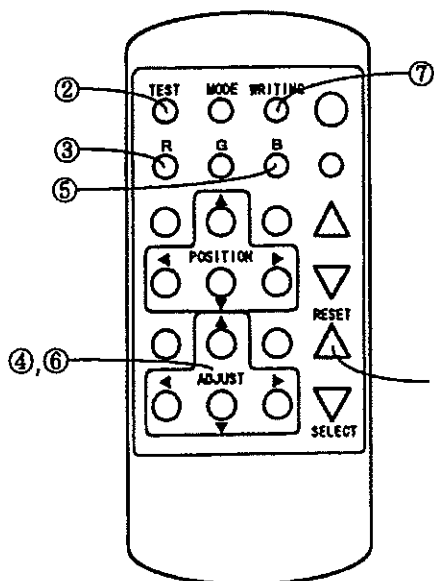


- ③ Push R (red select) button then the test pattern of red cross is appeared together with green test pattern. The color of frame is changed to red.



Color change of frame means red is adjustable.(same for blue of below ⑤)
The framed is appears after data writing of ⑦.

- ④ Use ADJUST buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to put the center of red together with the center of green. Then it looks yellow.
- ⑤ Push B (blue select) button then the test pattern of blue cross is added.
The color of frame is changed to blue.
- ⑥ Use ADJUST buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to put the of blue together with the center of yellow. Then it looks white.
- ⑦ Push WRITING (Write Data) button to memorize the adjustment data.
The projector is automatically changed to the normal mode. If WRITING button is not pushed and TEST button is pushed for 3 seconds, the projector returns to the normal mode before the adjustment.



• Note:

- a) Green is the base. Please adjust Red and Blue based on Green.
- b) Do not push RESET button.
Otherwise the static convergence adjustment data is canceled.
- c) Please switch (attached to games machine) off the electric power supply if abnormal image appears for some reason or other.

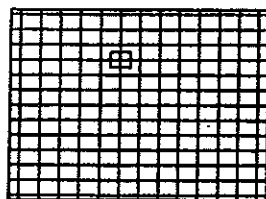
Note: b)

Operation and Adjustment Procedure

■ Basic Operation for Partial Convergence Adjustment

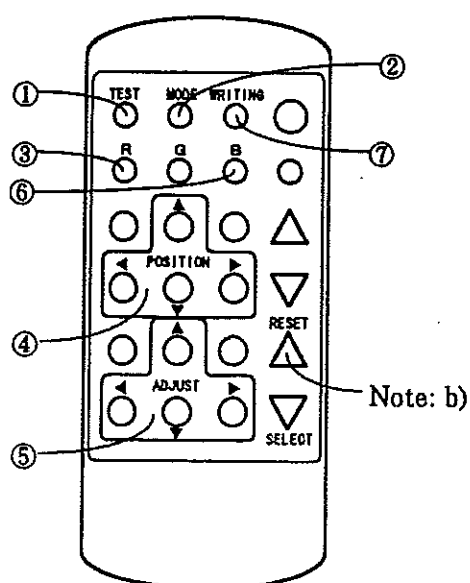
When the convergence is partially slipped, please adjust it as follows :

- ① Push **TEST** button of Remote Control Unit for about 3 seconds toward the projector.
Then the image on the projector changes to the test pattern of green cross.
- ② Push **MODE** button of Remote Control Unit then "1-Line" adjustment mode appears.
Push again, then "1-Point" adjustment mode comes up. (it is cyclically turns "1-Line" mode → "1-Point" mode → "Static Convergence" mode → "1-Line" mode) Adjustment mode should be decided according to the situation. Following explanation is for the "1-Point" adjustment.



The cross-stripes of Green test pattern and the cursor at the adjustment point appear.

- ③ Push **R** (Red select) button then the test pattern of red cross-stripes is appeared together with green test pattern. The color of cursor is changed to red.
- ④ Use **POSITION** buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to move the cursor for the desired point of adjustment.
- ⑤ Use **ADJUST** buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to put the of red together with green pattern. Then it. looks yellow.
- ⑥ Push **B** (Blue select) button to add blue test pattern. The color of cursor changes to blue. Adjust the convergence in a same manner as above ④⑤.
- ⑦ Push **WRITING** (Write Data) button to memorize the adjustment data.
The projector is automatically changed to the normal mode. If **WRITING** button is not pushed and **TEST** button is pushed for 3 seconds, the projector returns to the normal mode before the adjustment.



• Note:

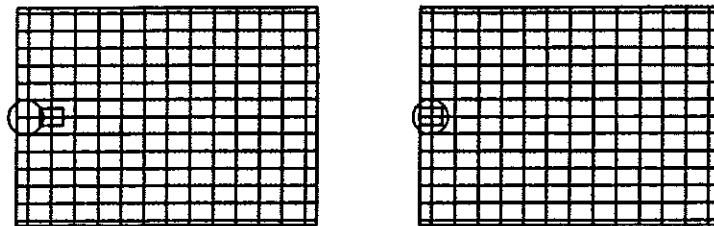
- a) Green is the base. Please adjust Red and Blue based on Green.
- b) Do not push **RESET** button.
Otherwise the static convergence adjustment data is canceled.
- c) Please switch (attached to games machine) off the electric power supply if abnormal image appears for some reason or other.

Operation and Adjustment Procedure

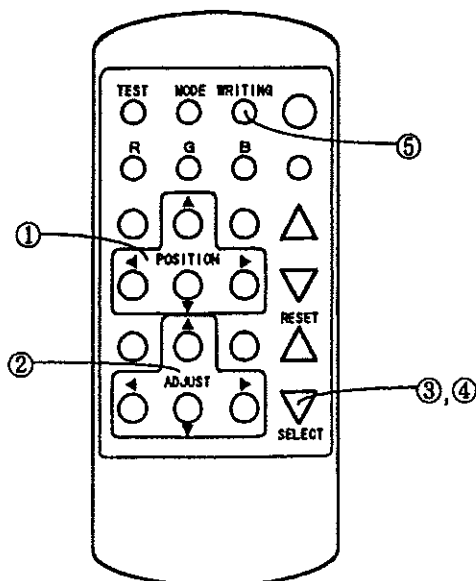
■ Adjustment of convergence at the Environs of Image

Please adjust the convergence at the environs of image as follows :

- ① It is necessary to move the adjustment point out side of the image for the its adjustment. For example, in order to adjust the convergence of the point marked ○, please use the POSITION buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to move the cursor to the position beside the desired point of adjustment as per below-left drawing. Then push (left:◀) buttons one time. The cursor moves to the position marked○, however, the point of adjustment is already moved to the out side of image. The cursor is flashing at the position mentioned in below-right drawing to indicate that the adjustment point is at the out of image.



- ② Use ADJUST buttons [(up:▲)(down:▼)(left:◀)(right:▶)] to adjust the convergence while looking the position marked○.
- ③ If the image of game software is located at the outer side than the position of test pattern marked ○, and if the adjustment by the test pattern only is not enough, please push the SELECT button after the operation of above ①. The image changes from the test pattern to the game software, then continue the adjustment of convergence under the procedure of above ②. In the image of game software is not suitable for the convergence adjustment, please adjust it using test pattern from the game machine.
- ④ Push SELECT Button once again, then the image changes to the test pattern. Move the cursor to the next point of adjustment, then adjust the convergence in a same manner as above.

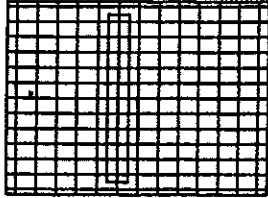


- ⑤ Push WRITING button to memorize the adjustment data. The projector is automatically changed to the normal mode.

Operation and Adjustment Procedure

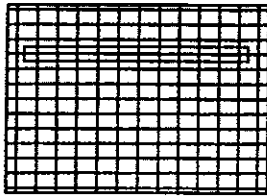
■ Operation at "1-Line" Adjustment Mode

- ① Push **MODE** button of Remote Control Unit to select "1-Line" adjustment mode.
Then, the vertically long cursor is indicated in the test pattern as follows.

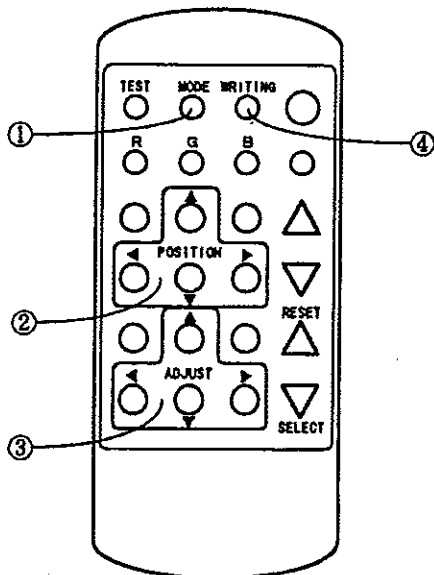


This drawing is the initial test pattern of "1-Line" adjustment mode. If it is changed from the optional point at "1-Point" mode to "1-Line" mode, the position of vertical long cursor remains the similar position including the optional point at "1-Point".

- ② Push **POSITION** button of (left: ◀) or (right: ▶) to select the vertical line of test pattern. (=moving to left or right) When adjustment position moves to the out side of image, long cursor flashes at the end.
When **POSITION** button of (up: ▲) or (down: ▼) is pushed, the cursor turns to the horizontal line and moving up side or down.



- ③ To adjust the whole line, use the **ADJUST** buttons [(up: ▲)(down: ▼)(left: ◀)(right: ▶)]
④ Push **WRITING** (Write Data) button to memorize the adjustment data.



• This adjustment is very useful when the whole line is slipped out.

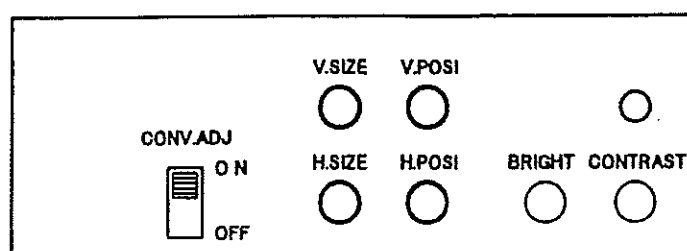
Operation and Adjustment Procedure

■ Adjustment of Image Size & Position

When synchronization frequency or signal timing chart is changed, by the replacement of the game software etc., picture size or position is sometimes slipped out (also the change of location or direction of projector).

In such case, please adjust the image size or position by using the adjustment knobs of Control Panel.

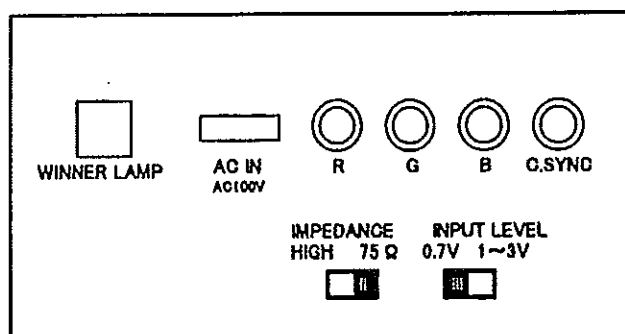
- ◇ V. POSI knob is for the vertical adjustment of image position.
- ◇ H. POSI knob is for the horizontal adjustment of image position.
- ◇ V. SIZE knob is for the adjustment of vertical size of image.
- ◇ H. SIZE knob is for the adjustment of horizontal size of image.



■ Preset of Input Panel Switches

When the output of signal level and impedance are changed due to the specification of game software, select a suitable mode by the switches of Input Panel.

- ◇ Select the level of impedance (HIGH or 75 Ω) according to the output impedance of the game software. If the output impedance of game is around 75 Ω ($\approx 50 \sim 100 \Omega$), set the switch at 75 Ω position. It is better to set the switch at HIGH position for all other cases.
- ◇ Select the input signal level [0.7V (p-p) or 1~3V (p-p)] according to the output signal level from the game machine.



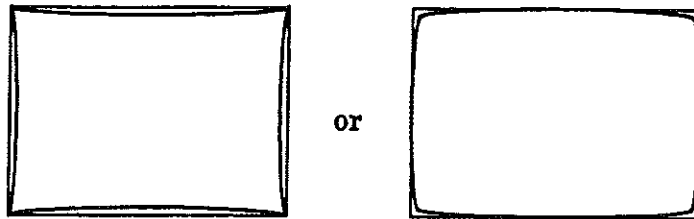
- ◇ After thing of preset, adjust it to the state that CONTRAST of image is most suitable for.
(Please refer page 4)

Operation and Adjustment Procedure

■ Convergence Adjustment when the Input Software is replaced

When the size of image is changed according to the specification of the game software, it might be required to readjust the convergence depends on a case.

- ① Push TEST button of Remote Control Unit for about 3 seconds toward the projector to have the test pattern (adjustment mode).
- ② Push MODE button of Remote Control Unit to make it to the "1-Point" mode.
Please check if following roundish distortion appears or not at the each end of the test pattern. If such distortion is not appeared, please adjust only convergence in case of need. If such distortion appears and it is not acceptable, please follow the adjustment mentioned in below ③.



- ③ Select "1-Point" adjustment mode.
- ④ Select Green and delete Red and Blue.
- ⑤ Adjust each Green line to be straight.
- ⑥ Then adjust Red and Blue lines to put them upon Green straight lines.
- ⑦ Push WRITING (Write Data) button to memorize the adjustment data.

—— INSTRUCTION MANUAL ——

SAFETY PRECAUTIONS

ALWAYS READ BEFORE USING TO ENSURE SAFETY

- Before attempting to use, please read the "SAFETY PRECAUTIONS" in this manual in order to use the equipment correctly.
- After reading store this manual in an easily accessible location.

The "SAFETY PRECAUTIONS" in this manual list important items that should be observed in order to protect the customer and others from unforeseen accidents, and to ensure that this equipment is used safely.

LABEL DESCRIPTIONS:



WARNING

This label indicates any situation or practice which if ignored through mishandling or misoperation, could result in serious injury or even death to the user.



CAUTION

This label indicates any situation or practice which if ignored through mishandling or misoperation could result in injury to the user or material damage.



WARNING

- Fire or electrical shock may result if you continue to use the equipment when an abnormal situation such as smoke or a strange odor occurs.
When these occur, turn off the power immediately and check that smoke is no longer coming out, then request repairs.
The customer should never try to make repairs on his own.
- Do not attempt to use when broken such as when an image cannot be obtained.
Neglecting this could result in fire or electrical shock.
When breakdowns occur immediately turn off the power and request repairs.
- If water or moisture should somehow penetrate into the interior of this equipment immediately turn off the power and request repairs.
Attempting to use while still wet could result in fire or electrical shock.
- If a foreign object should somehow penetrate into the interior of this equipment immediately turn off the power and request repairs.
Attempting to use as is could result in fire or electrical shock.
- If for some reason the equipment should drop or the cabinet be damaged immediately turn off the power and request repairs. Attempting to use as is could result in fire or electrical shock.
- Cover the AC output panel and other openings when they are not being used. If water or metal objects should penetrate inside, fire or electrical shock could result.
- The customer should not attempt to repair or modify this equipment on his own.
Never attempt this, since this could result in fire or electrical shock.
- Never use a power supply other than 100 volts AC.
Never use a power source (voltage) other than 100 volts AC.
Neglecting this could cause fire or electrical shock.
- Never place the equipment in an unstable location such as a shaky stand or a tilted position.
This could cause the equipment to drop, fall over and consequent injuries.
- Do not place containers such as vases, potted plants, cups, cosmetics, medicines or water on the equipment. Also do not place small metal objects on the equipment.
These could spill or drop inside causing fire or electrical shock.
- Never push or drop foreign objects such as small metal objects or combustible items into the vents on the equipment. This could result in fire or electrical shock.
- Do not remove the rear lid, cabinet or cover of this equipment.
The interior contains high voltage circuits so electrical shock might occur.
- Do not place this equipment in direct sunlight.
Direct sunlight could cause the equipment interior to heat up due to the screen lens effect. So do not let the screen face into direct sunlight even when only moving the equipment for a short time.



CAUTION

- Use caution when disposing of this equipment since leaving the screen exposed may result in fire. Also, be careful when disposing of the screen, since holding it up to direct sunlight may cause burns.
- Do not place heavy objects on the equipment. This could destroy the balance and the equipment might tip over or drop.
- This equipment is heavy so always use at least two people to carry it. Always turn off the power before moving the equipment.
- Do not place the equipment near heat sources or devices that generate moisture such as humidifiers. This might cause the screen to dissolve or deform.
- To ensure safety always turn off the power when the equipment is not to be used for extended periods.
- After purchasing consult your retailer or dealer to have the equipment interior cleaned about once a year.
If accumulated dust is not cleaned for extended periods, fire or equipment breakdown may occur.
- Do not block the vents on this equipment.
Maintain a gap of at least 10cm (4in) between the rear panel vents and the wall.
Also make sure it is not leaning or reversed.
- Do not place your weight on the equipment. This may cause it to fall over or break and injuries may result.
- Do not use chemicals such as benzine, alcohol, thinner when cleaning the equipment. Using these, especially on the screen may cause it to deteriorate and crack etc.
- Do not press on the screen or rub on it with hard articles as this may scratch or crack the screen.
- Do not apply volatile agents such as insecticide and cosmetics to the screen and cabinet. These could cause deterioration or drastically damage the screen.
- Never use unauthorized batteries in the accessory remote controller. Also never use old batteries with new batteries. Dry cells may rupture or leak causing possible fire or injury.
- Observe polarity when inserting batteries into the remote controller. Inserting with the polarity reversed can cause dry cell batteries to rupture or leak causing possible injury and making cleanup necessary.

TAKING CARE OF THE SCREEN

- Do not use chemicals such as benzine, gasoline or alcohol to clean the screen. These may damage the screen making it unusable.
- Rap lightly with a soft cloth to shake off easily removed dirt. Rubbing strongly with a hard cloth may scratch the screen.
- Do not use chemically treated cloths (such as available commercially or by rental). Using chemically treated cloths may cause the screen to deteriorate.
- Remove ordinary dirt and grime with soft cloth dipped in water and wrung out well. Rub the cloth gently up and down the screen to remove the dirt.
- Removing tough dirt and grime
 1. Soak a soft cloth in neutral detergent diluted in water, wring it out well and wipe up and down along the screen.
 2. Next, use a soft cloth dipped in water and wrung out well to gently wipe away the dirt with the remaining neutral detergent.

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