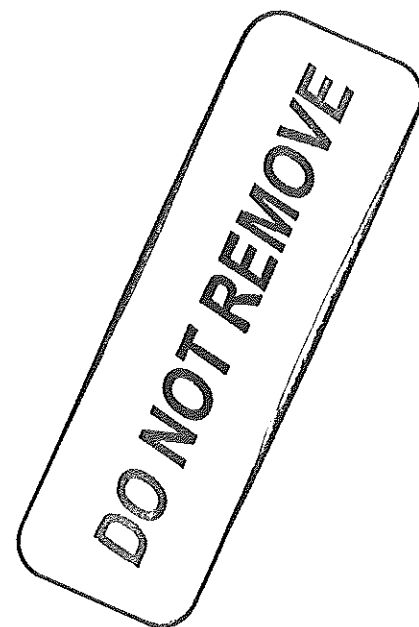
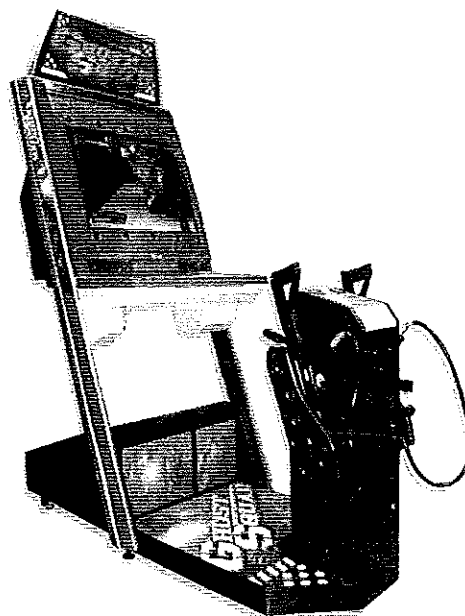


SERVICE MANUAL

SEGA® GHOST SQUAD

UPRIGHT TYPE



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®





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 Montagmaterial 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 Wiedereinbetriebnahme 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 nyoplag.

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

Indgreb 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 snublefare. 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 overdel (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 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 klæbmærkat, 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 cascos 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.

Veillez 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 situées 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 raccords 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 appareil 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. Démontez 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 hengenmenetykset.

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 tehtävään ja että he ovat ennen töiden aloittamista ehdottomasti lukeneet 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 hengenmenetyks tai vakavat vammat.



VAROITUS !! Tulipalon vaara

Sulakkeet saa vaihtaa vain määräysten mukaisiin sulakkeisiin. Peliautomaatin tuuletusrakoa 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 tavaran saavuttua, 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 tarviketosat, 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. Tarviketosien 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

Laitte 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. Säätötyöt

Ohjelma- ja mallikohtaiset säätötyöt 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

Laitte 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 mieto 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 tarvikelosat puretaan irti päinvastaisessa järjestyksessä. Vähintään 2 avustajan on pidettävä laitteen yläosasta kiinni.

7.3. Siirtäminen

Laitteen siirtäminen ja jälleenkäyttöönnotto suoritetaan luvussa 4 selostetulla tavalla.

7.4. Hävittäminen

Laite annetaan hyväksytyyn 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 fissandolo. 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 detersivi 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

Eeguire 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 tvilstilfelle 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 tvilstilfelle.

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 stikkontakten! Bører 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 stikkontakten og en reparasjon kun utføres av en elektro-fagmann. Trekk kun i støpselet, ikke i kableen.

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 beveges ved hjelp av et tilstrekkelig antall personer. Utvis forsiktighet ved belyningsutstyr 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 nettstikkontakt.

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 gummihetter 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.

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

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1. Voorwoord

Deze gebruiksaanwijzing geldt voor videospelautomaten 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 elektriciens 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 elektricien, 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 direkt na de levering op transportschade onderzoeken. Zichtbare beschadigingen op de leverantiebewijs van de leverende expediteur noteren of direkt na ontvangst van e goederen melden om uw aanspraken veilig te stellen.

Toestel openen en alle bouwgroepen en steekverbindingen op correct zitten controleren. Bijgesloten montage materiaal 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. Direkte zonnebestraling 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 inacht nemen

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 inacht nemen

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 waarschuwingaanwijzingen 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 únicamente 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.

INNEHÅLLSFÖRTECKNING

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8. **Varningstexter/-bilder**

1. Förord

Denna bruksanvisning gäller för TV-spel för bänk-, stå- och sittautomater. För reservdelnummer, 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



VARNING !!

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 upptår 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.

**WARNING !!****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.

**WARNING !!****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.

**WARNING !!****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 speditiionsfirman 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.

**WARNING !!****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 transporttrullar.

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



VARNING !!

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. Drifttagning

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.



WARNING !! 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.



WARNING !! 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



WARNING !! 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 syrahaltigt rengöringsmedel eller rengöringsmedel som innehåller lösningsmedel eller slipmedel).

6. Service

6.1. Allmänna anvisningar



VARNING !! 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



VARNING !! 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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 - 7.3. Μετατόπιση
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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 προδιαγραμμένη 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 προδιαγραμμένες 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 βγάζετε 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) διασωστικούς 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. Συσσκευές Video μπαρ παραδίνονται 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 άφογη εφαρμογή όλων των δομοστοιχείων και συνδέσεων. Ιδιαίτερα ελέγχετε με τη βοήθεια ειδικού ηλεκτρολόγου την άφογη 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, βγάξτε 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. Ελεγχος, 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 βγάζετε 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 βγάζετε το ρευματολήπτη από την πρίζα!
2. Προσοχή, το σώμα φωτισμού μπορεί να καίει!
3. Κάνετε αντικατάσταση των σωμάτων φωτισμού μόνο με προδιαγραμμένα 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

Βγάζετε 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!

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1. BEFORE USING THIS PRODUCT

To ensure safe usage be sure to read the following before using the product. The following instructions are intended for the use of **QUALIFIED SERVICE PERSONNEL ONLY**.

If any activity is carried out on the product, this should be done only after carefully reading and sufficiently understanding the instructions.

Only qualified service personnel should carry out maintenance on the product.

Depending on the potential risk, terms such as "**WARNING!**" "**CAUTION**" and "**IMPORTANT!**" are used where an explanation is given that requires special attention. SEGA is not responsible for injury or damage caused by use in a manner contrary to the instructions given 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.



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



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



This is cautionary information that should be complied with when handling the product. Indicates that mishandling the product by disregarding this will cause a potentially hazardous situation that 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 fuses are fitted to the machine. Details of these 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 additions not designated by SEGA are not permitted and will invalidate this product's CE conformity.

Warning labels or safety covers for personal protection etc, are component parts of the product. A potential hazard will be created if the machine is operated while any parts have been removed. Do not operate the product if any doors, lids or protective covers become damaged or lost. SEGA is not liable in any 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 customers and operators, stickers and printed instructions describing potentially hazardous situations are applied to potentially hazardous locations. Ensure that the product's operating location 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 an identical item has replaced it.

Exercise great care when handling the monitor (applies only to product with monitor). Some of the monitor (TV) parts are subject to high-tension voltage. Even after turning the power off some components are liable to high-tension voltage. Only qualified service engineers should perform monitor repair and replacement.

In cases where commercially available monitors and printers are used, only the items relating to this product are contained in this manual. Some commercially available equipment will have functions and reactions not referred to in this manual. This manual should be read in conjunction with the specific manufacturer's manual for 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 AMUSEMENTS EUROPE LTD.**

1.1. INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION



- Only QUALIFIED SERVICE PERSONNEL should carry out inspection.

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? Unless connected in the correct direction, connector connections cannot be made successfully. 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?

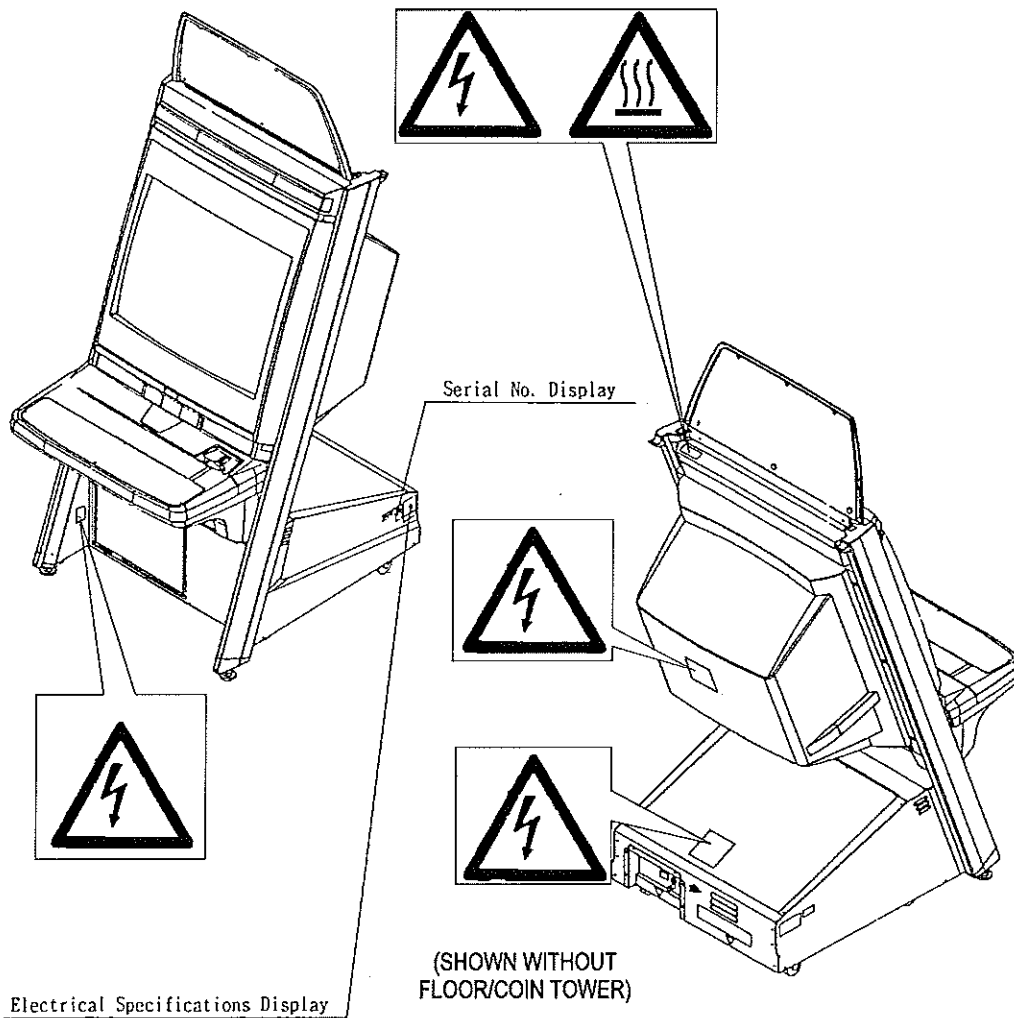
Can all doors and lids be opened with the accessory keys and/or tools?

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.



(Actual machines may differ slightly from the illustration)

SPECIFICATIONS

Installation Space (cm):	76 (W) x 98 (L)	Including Floor and Coin Tower
Height (cm):	210	
Weight (kg):	Approx. 152	
Rated Voltage (VAC):	230	
Rated Current (A):	2	
Operating Temperature Range	5 - 40°C	

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, electro-mechanicals, servicing controls, spare parts, etc. as regards this 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 internal systems. Should such a situation arise contact the nearest branch listed below, or our head office.

SEGA AMUSEMENTS EUROPE LTD./ SEGA SERVICE CENTRE

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Oaks House
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3. INSTALLATION AND MAINTENANCE INSTRUCTIONS



- Only QUALIFIED SERVICE PERSONNEL should carry out installation and maintenance.

3.1. HANDLING AND INSTALLATION PRECAUTIONS

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

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.
- Where liquids, other than routine cleaning, may come into contact with the game.

Important:

- Only Qualified Service Personnel should install this machine.
- 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.

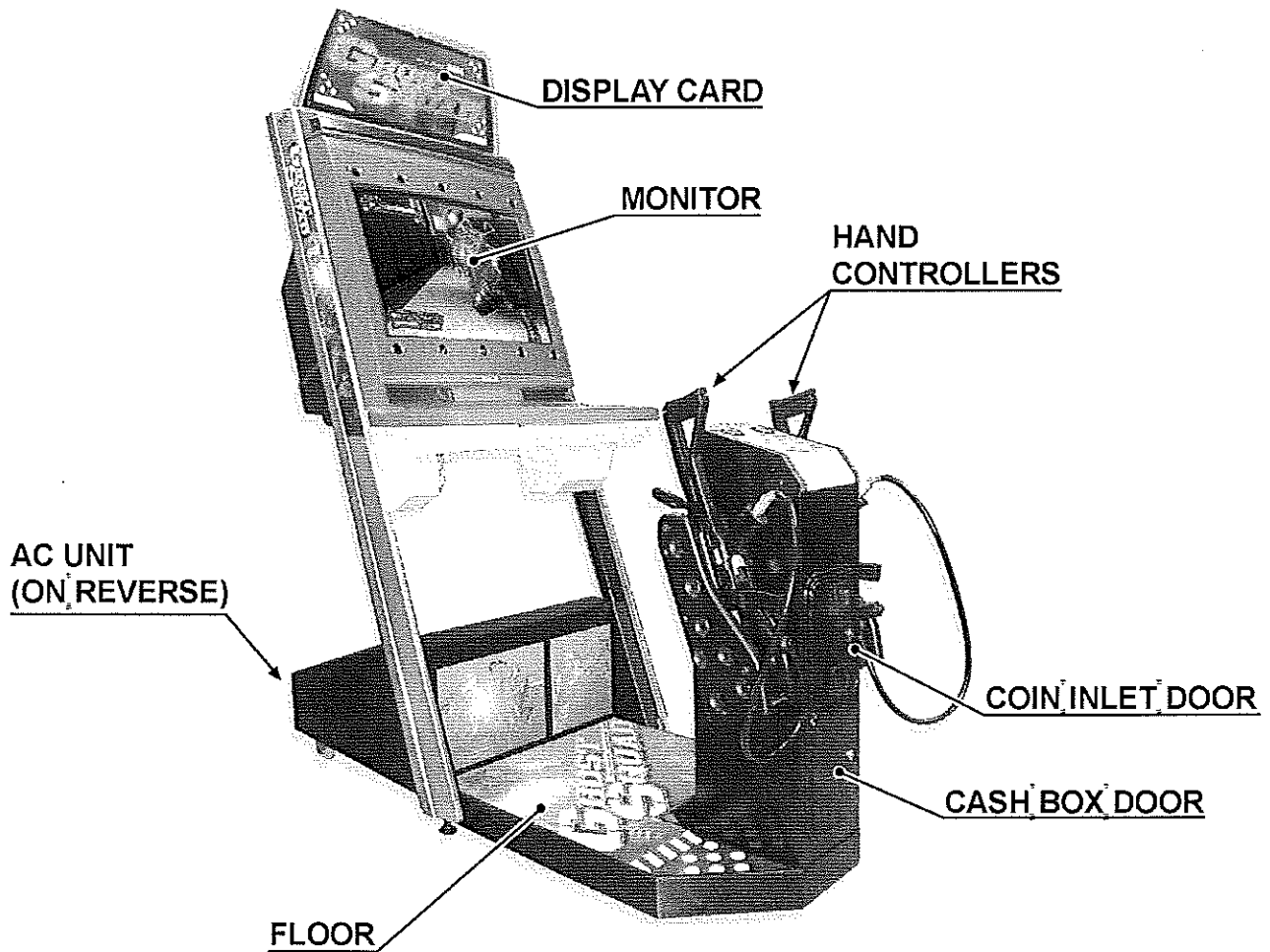
3.2. COIN HANDLING

Standard Sega machines are fitted with a SR3 coin mechanism, however, as a service to our customers Sega machines can be supplied with no coin mechanism or door allowing the customer to fit a coin handling option from the approved list. Fit only the coin handling arrangements detailed below and follow the instructions provided in section 4. Failure to fit the coin handling options detailed or failure to follow the installation instructions will render the machine, under the CE marking directive, void.

Approved coin handling options:

- Coin controls SR3
- Generic mechanical
- Mars (MS111B1 and ME115)
- SECI RM4-G20

3.3. NAME OF PARTS



	Width (cm)	Length (cm)	Height (cm)
CABINET	76	98	177
FLOOR	63	90	15
WHEN ASSEMBLED	76	177	210

3.4. ACCESSORIES

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

CTF-INST-U ASSY INST KIT U/R

Item	Component Part	Qty.	Description	Component Reference
1	CTF-5000UK	1	ASSY FLOOR CTF U/R	
2	CTF-INST-SUB1-U	1	ASSY SUB1 INST	
3	CTF-INST-SUB2-U	1	ASSY SUB2 INST	
16	PK0323	1	INST KIT PACKING WEDGE	


CTF-INST-SUB1-U ASSY SUB1 INST

Item	Component Part	Description	Component Reference	Qty.
2	CTF-5100UK	ASSY CCT CTF U/R		1
6	PK0370	INST KIT BOX CTF U/R		1
12	CTF-5150UK	ASSY GUN HOLSTER L U/R		1
13	CTF-5170UK	ASSY GUN HOLSTER R U/R		1

CTF-INST-SUB2-U ASSY SUB2 INST

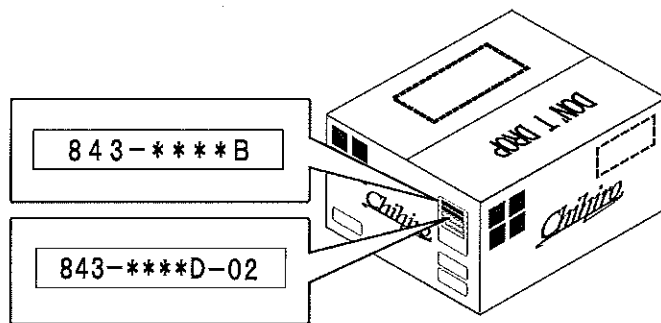
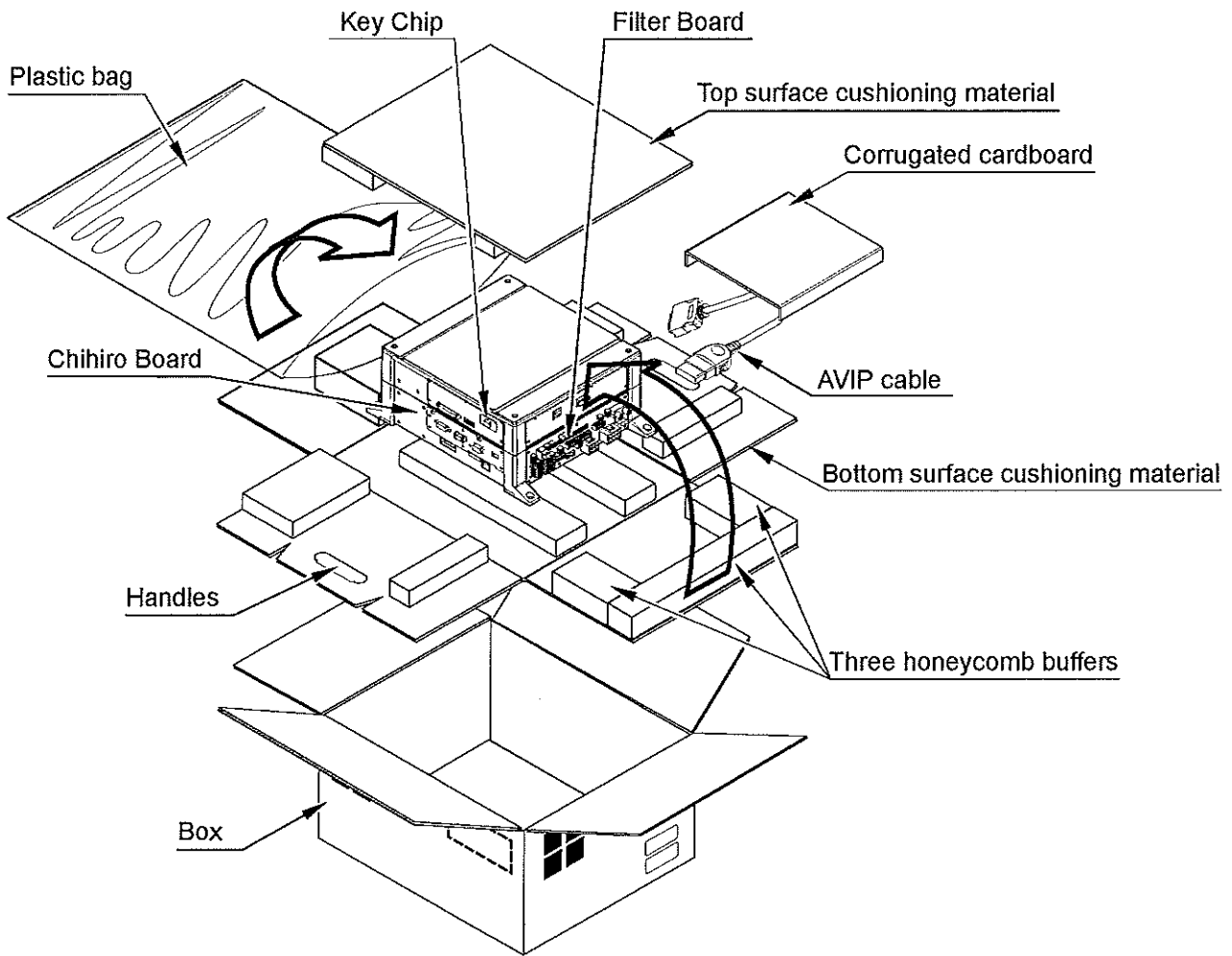
Item	Component Part	Qty	Description	Component Reference
4	SPY-5008UK	1	FLOOR JOINT BRKT	
5	SAECE-XXX	1	DECLARATION OF CONFORMITY	DECLARATION OF CONFORMITY CTFU
7	CTA-0001	1	JOINT BRKT L	
8	CTA-0002	1	JOINT BRKT R	
9	CTF-3013UK	1	STICKER CONTROL PANEL CCT	Multilingual
10	CTF-3001UK	1	BILLBOARD PLATE U/R	
101	540-0006-01	1	WRENCH M4 TMP PRF	
102	540-0015-01	1	WRENCH M6 TMP PRF	
103	514-5078-5000	1	FUSE 5X20 CERAMIC SB 5000mA	
104	OS1019	2	SELF SEAL BAG 9X12.3/4	
105	440-CS0186UK	1	STICKER C EPILEPSY MULTI	
201	030-000820-SB	7	M8X20 BLT W/S BLK	(4)-5,(7)-1,(8)-1
202	068-852216-0B	7	M8 WSHR 22OD FLT BLK	(4)-5,(7)-1,(8)-1
203	008-T00412-0B	2	M4X12 TMP PRF TH BLK	(BILLBOARD)-2
204	020-000625	2	M6X25 CAP SCR PAS	(CABI JOINT TO #4)-2
205	060-F00600	2	M6 WSHR FORM A FLT PAS	(CABI JOINT TO #4)-2
208	008-T00416-0B	8	M4X16 TMP PRF TH BLK	(12)-4,(13)-4
402	420-6831-02UK	1	SERVICE MANUAL CTF U/R	
403	420-3129-P	1	SERVICE MANUAL PENT 31K	
404	420-6620UK	1	SERVICE MANUAL GD ROM SYSTEM	
405	509-5080	2	SW MICRO TYPE (SS-5GL2)	
406	LM1227	1	LOOM EUROLEAD 10A WITH UK PLUG	
407	LM1246	1	EUROLEAD 10A EUROPEAN SOCKET	

3.5. SHIPPING THE GAME BOARD

 <p>STOP IMPORTANT</p>	<p>Replacement or repair of the Game Board (Chihiro) for this product should be undertaken at the appropriate repair centre. Be sure to follow the specifications below when requesting repairs/sending the board to the repair centre. Not following the specifications may result in the board not being accepted or in extra charges being made.</p> <ul style="list-style-type: none">• Put the game board in the carton box as is. Do not carry out any disassembly or part removal other than that specified.• Follow the procedure and instructions regarding direction below when placing the Game Board in the carton box.• When packing the game board with the Media Board attached, do not remove the Key Chip.• When packing the game board with the Media Board detached, be sure to include the AVIP Cable.• When packing, attach the accessory stickers in the specified places on the Game Board and carton box.
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INSTRUCTIONS

1. Wrap the Chihiro Board in a plastic bag.
2. Place it on top of the bottom surface cushioning material. Turn the Filter Board to face the side with the three honeycomb buffers. Packing it in the opposite direction may cause damage to the Filter Board.
3. Insert corrugated cardboard into the space between the lateral honeycomb buffers of the bottom surface cushioning material and stow the AVIP cable inside.
4. Place the Chihiro Board wrapped in the bottom surface cushioning material into the carton box. Use the handles on the bottom surface cushioning material.
5. Place the upper surface cushioning material on top of the Chihiro Board. Be sure to align it in the right direction, as it will not fit otherwise.
6. Close the top of the carton box and seal it tightly with adhesive tape.

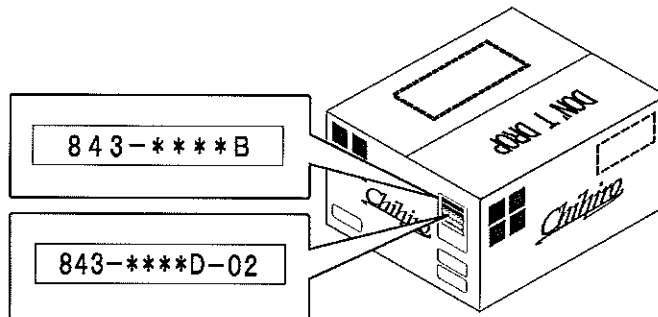


3.6. SHIPPING THE MEDIA BOARD

When sending the Media Board for repairs, follow the specifications below and request repairs or send the Board to your retailer/the repair centre.

Not following the specifications may result in the board not being accepted or in extra charges being made. Also, mistaken handling can damage or result in loss of parts.

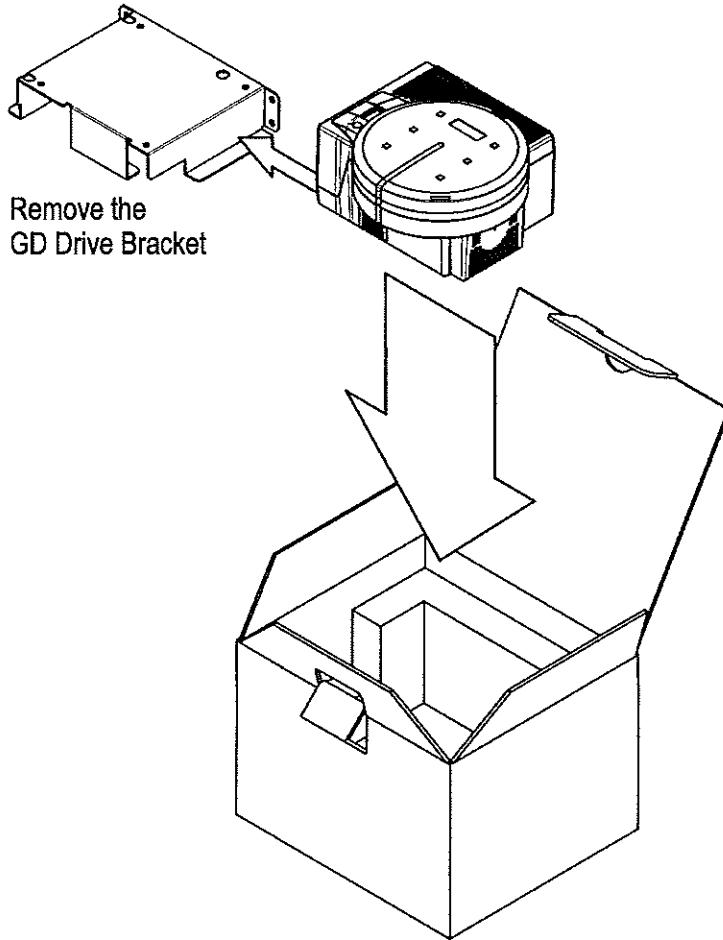
- Be sure to use the special purpose carton box included with this product.
- Do not remove the Key Chip. Send the board with the Key Chip attached.
- Undo the 10 screws holding the Media Board to the Main Board and pack the Media Board. Do not carry out any disassembly or part removal other than that specified in this manual.
- Pack the Media Board in the special purpose carton box as shown in the explanatory diagram.
- The packing material in the carton box has a shock absorbing function. Be sure to use it when packing. Do not bend or fold the material in a direction other than that shown on the diagram.
- Do not pack any wires, cables, or screws together with the Board.
- Be sure to attach the special purpose carton box accessory sticker "843-****B."



3.7. SHIPPING THE GD-ROM DRIVE



- When returning the GD-ROM DRIVE for repair or replacement, be sure to package it in the original card transit box - THERE ARE NO USER-SERVICEABLE PARTS INSIDE.
- Ensure the GD-ROM Disk is removed and the GD-ROM Drive Lid is replaced on the unit, with fixing screw, before packaging. Also, remove the GD-ROM Drive Bracket and store with the four screws for reuse.
- Failure to return the GD-ROM DRIVE in this manner may invalidate the warranty.



3.8. ASSEMBLY INSTRUCTIONS



- 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.



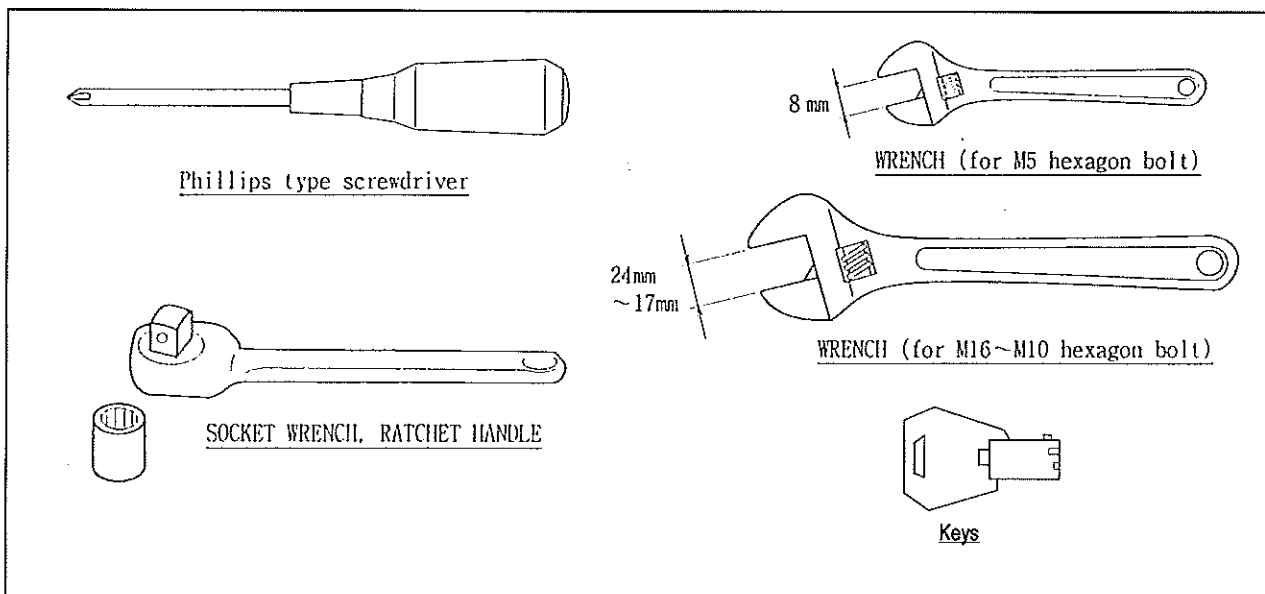
- Only QUALIFIED SERVICE PERSONNEL should carry out assembly.

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

- STEP 1 INSTALLING THE DISPLAY CARD**
- STEP 2 INSTALLING THE FLOOR**
- STEP 3 INSTALLING THE GUN HOLSTERS**
- STEP 4 SECURING IN PLACE (LEG ADJUSTMENT)**
- STEP 5 COIN HANDLING INSTALLATION**
- STEP 6 CONNECTION TO THE POWER SUPPLY**
- STEP 7 ASSEMBLY CHECK**

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

The following tools will be required when installing this machine, in addition to the tools provided with the Installation Kit:

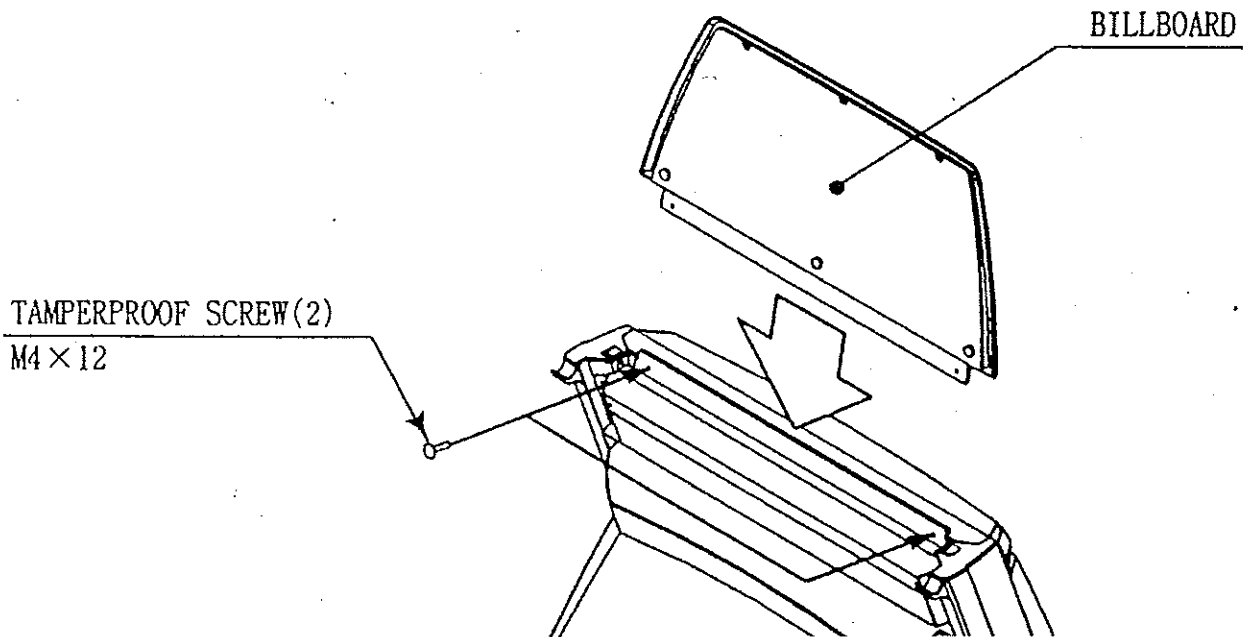


3.8.1. INSTALLING THE DISPLAY CARD



- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.

1. Insert ASSY BILLBOARD to the top part of the cabinet
2. Secure with the two Tamperproof screws.



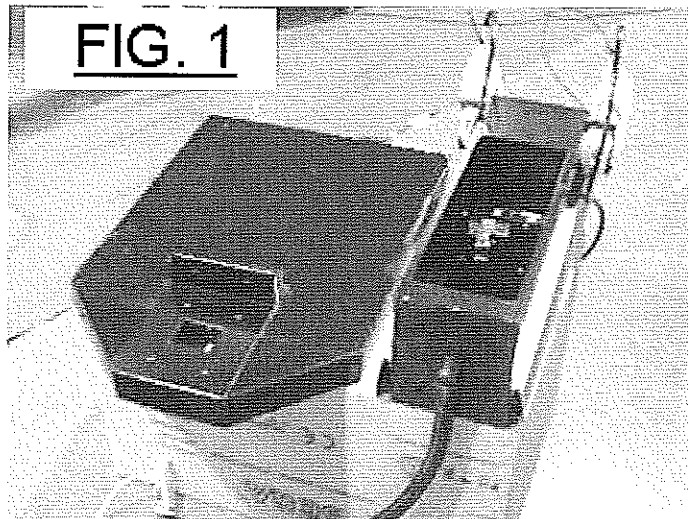
3.8.2. INSTALLING THE FLOOR



- Ensure all connections are secure - poor connections can cause electric shock or short circuit.
- Take care not to damage wiring during installation, as this can cause electric shock or short circuit.
- Please read these instructions carefully and follow them in step by step.
- **IMPORTANT: We recommend that two (2) people carry out this operation, as there are heavy components involved.**

Tools Required: No1 Pozidriver, M8 Wrench or Socket.

1. Open the Installation box and remove its entire contents. Once the box is completely empty fold the four open leaves back into the box (this will help to create a sturdier box as we intend to use it as a makeshift table).
2. Turn the box upside down. Place the Floor Assembly and the Coin Tower onto the box as shown in figure 1.



3. Remove the Cashbox Base Plate by unscrewing the 2 x M4 Pozi Pan screws, located directly inside the Cashbox Door.
4. Remove the Elbow Joint, which is attached to the free end of the Flexipipe.
5. Insert the Flexipipe into the hole located at the front end of the Floor. (Fig 2)



6. Offer the Coin Tower up onto the Floor (Fig 3) ensuring that the Flexipipe continues through the access hole (Fig 4).

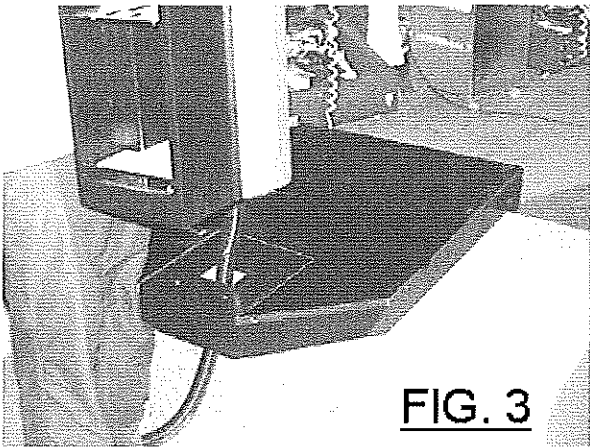


FIG. 3

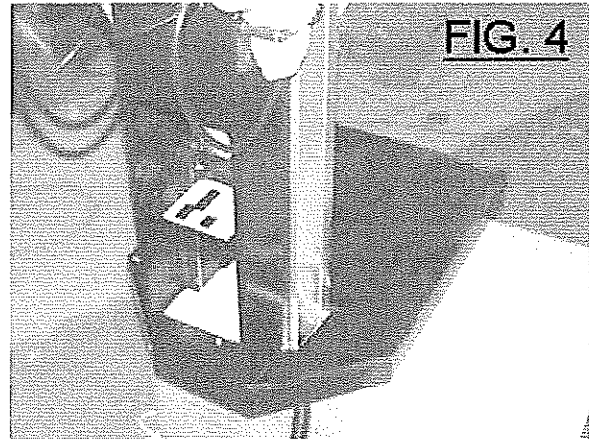


FIG. 4

7. Secure the Coin Tower to the Floor using the 6x M8 Hex head bolts and M8 washers (provided) at location shown in fig 5.

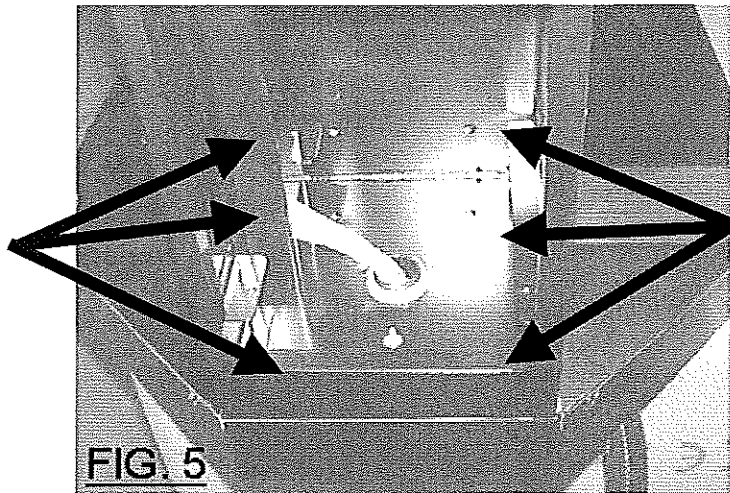


FIG. 5

8. Move the Coin Tower and Floor Assembly onto its side (Fig 6) and thread the Flexihose through the ribs on the underside of the Floor. (Fig 7)

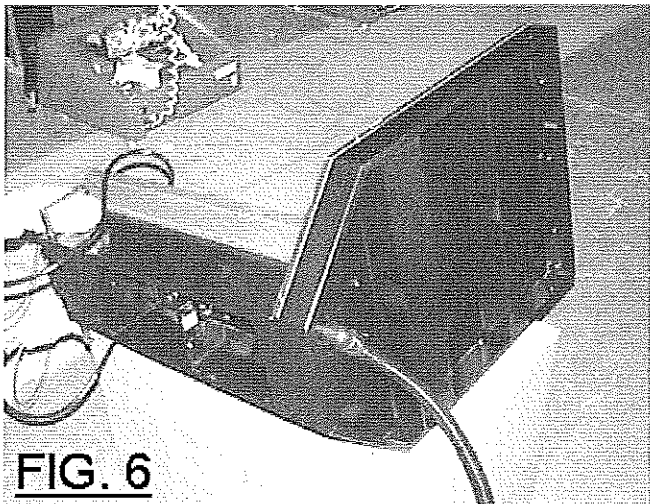


FIG. 6

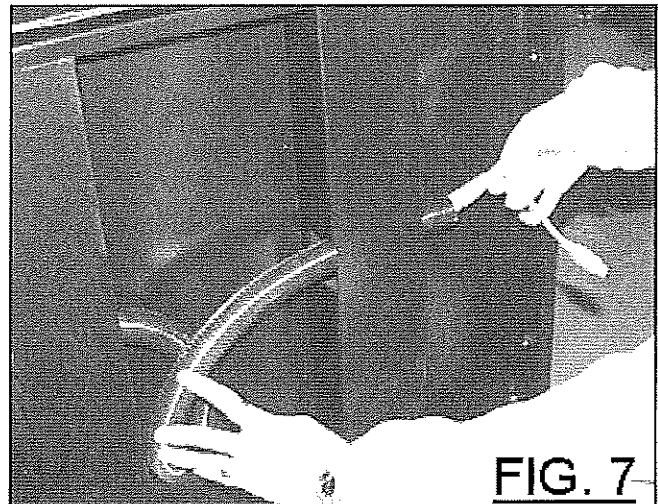
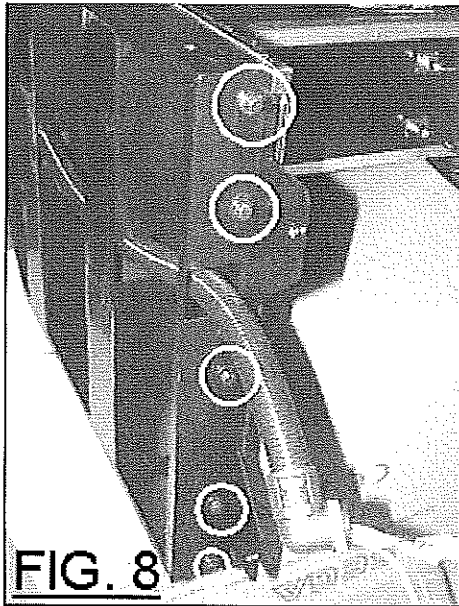


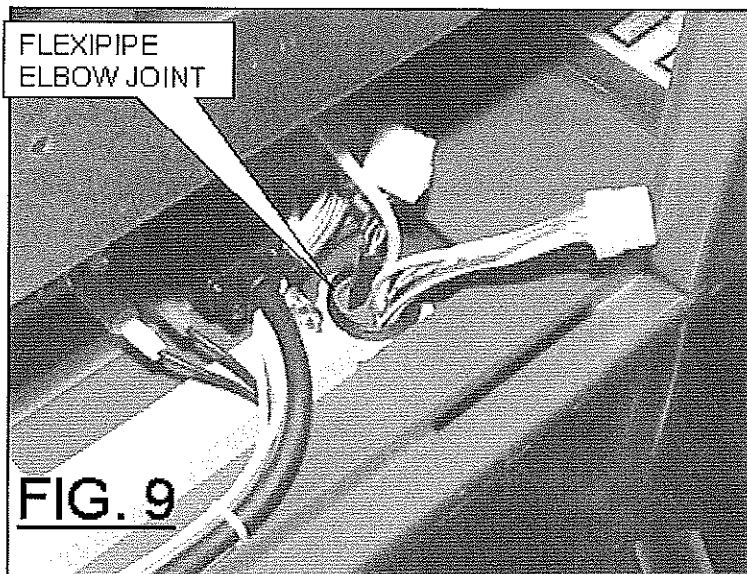
FIG. 7

9. Refit the Elbow joint onto the open end of the Flexipipe.
10. Fit the Joint Bracket onto the machine end of the Floor (Fig 8) using the 5x M8 Hex head bolts and M8 washers (provided).

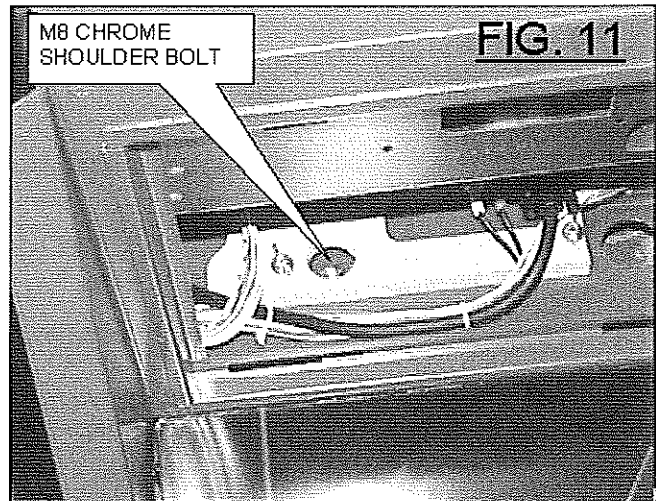
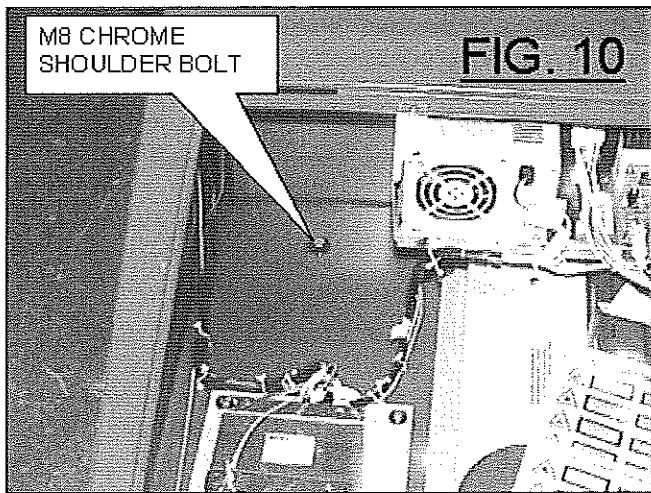


**5 x M8 HEX BOLTS
AND M8 WASHERS**

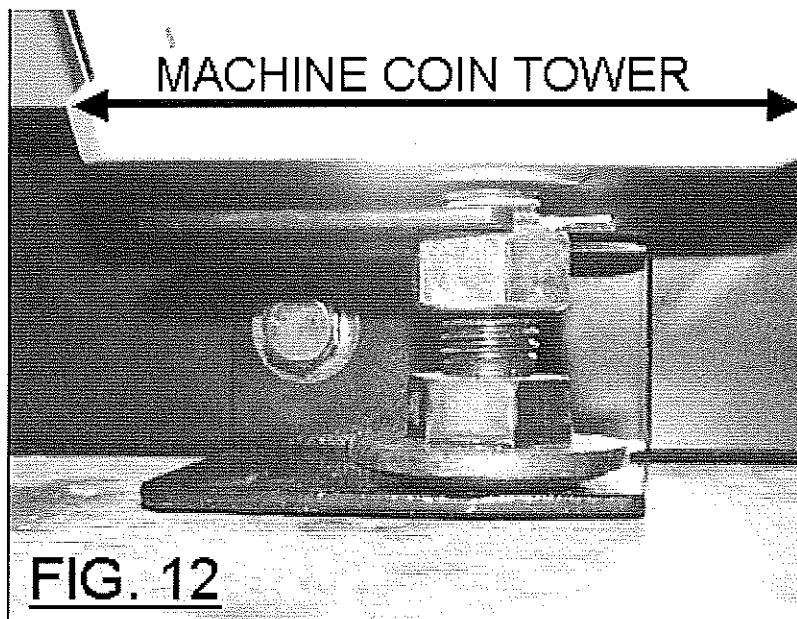
11. Offer the Floor to the machine and fit the Flexipipe Elbow Joint into the recess as shown in Fig 9.



12. Push the Floor upright to the machine and secure it using the 2 x M8 Chrome Shoulder Bolts provided (Fig 10 & 11).



13. Finally, secure Joint Brkt L and Joint Brkt R to the Floor and Adjustable feet using 2 x M8 Hex HD Bolts Blk and 2 x M8 Washers Blk (Fig 12).



3.8.3. SECURING IN PLACE (LEG ADJUSTER ADJUSTMENT)



CAUTION



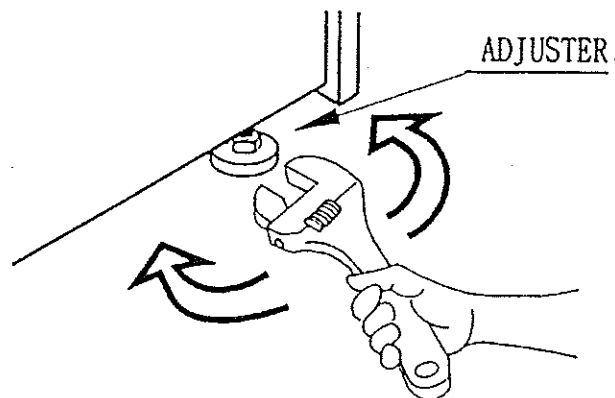
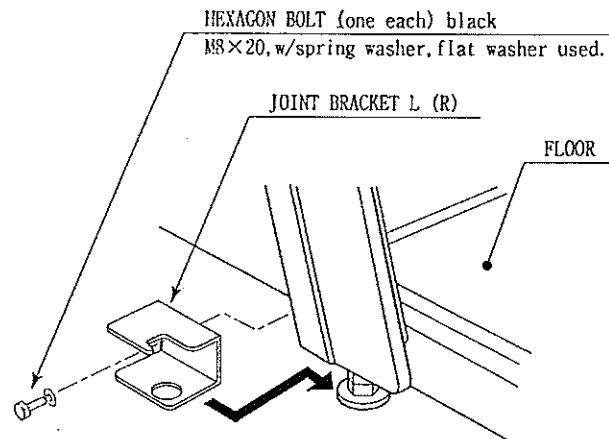
IMPORTANT

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

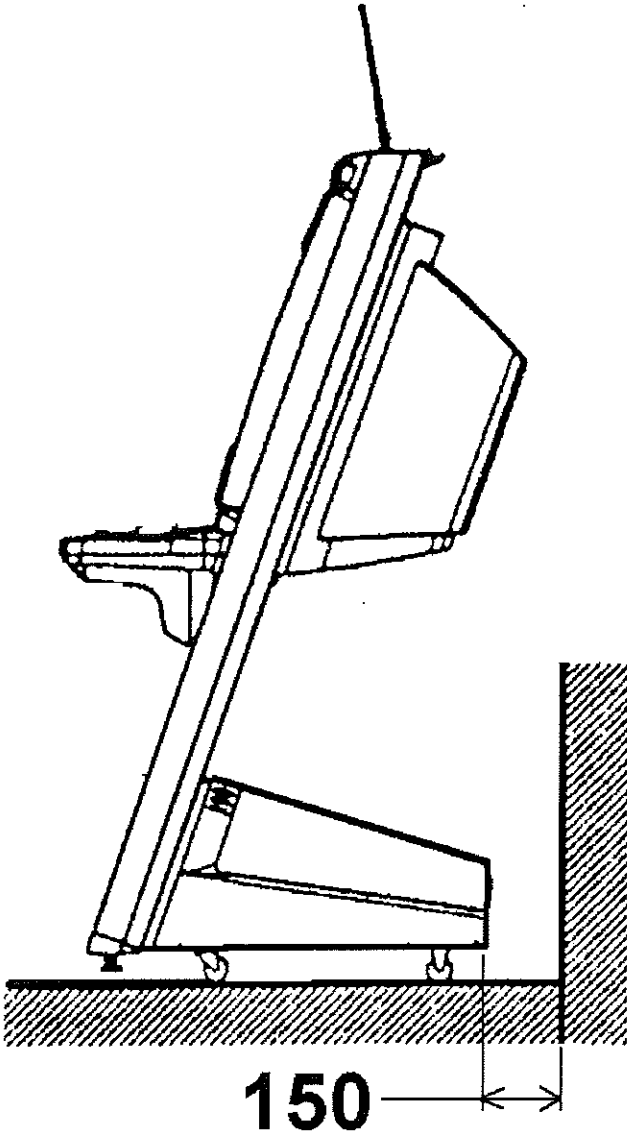
- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.

This machine has four castors and two leg adjusters. When the installation position is decided, unscrew the leg adjusters so that they raise both front castors 7mm from the floor. Make sure the machine is level.

1. Move the product into the installed position.
2. Slightly lower the 2 Adjusters on the cabinet and install Joint Bracket L & R by inserting from the rear, and secure to the floor using M8 hex head bolts as shown. Now tighten the two M8 shoulder bolts.
3. After lowering the Adjusters fully downward, tighten both Adjusters' lock nuts fully upward.
4. The service door can now be refitted.
5. Unscrew the adjusters until they are in contact the floor, and use a wrench to turn them further until the front castors are raised approximately 7mm above the floor.
6. Tighten the locknut on the leg adjusters upwards to lock the legs in position.



Ensure adequate ventilation is maintained as detailed below:



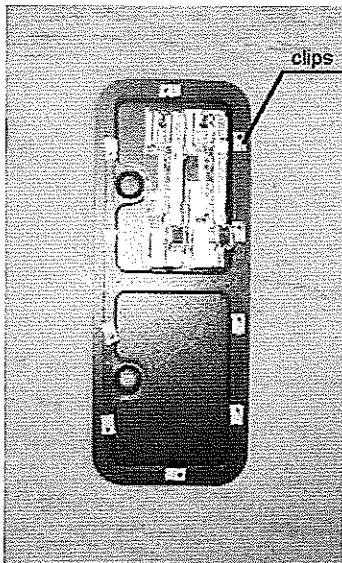
(Actual machines may differ slightly from the illustration)

3.8.4. COIN HANDLING INSTALLATION

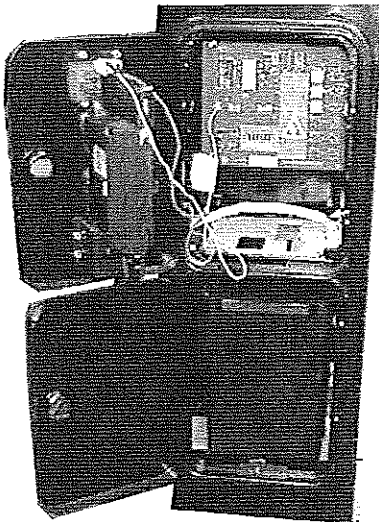


- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.

When fitting the coin mechanism to the door please refer to the specific manufacturers installation instructions for that coin mechanism. To fit the door to the machine, follow the procedure below.



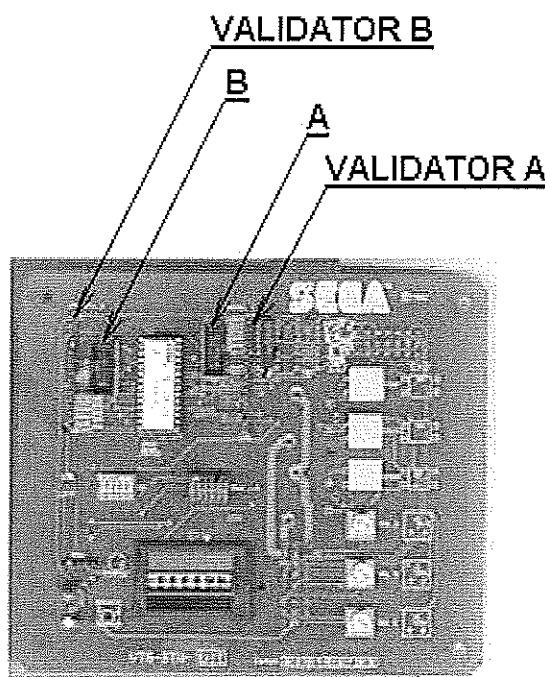
- Loosen all of the bolts on the frame which secure the clips.
- Turn all clips in towards the door.



- Position the door into the aperture in the machine.
- Turn the clips around so that they will hold the door in the machine.
- Tighten all of the bolts.

3.8.4.1. WIRING CONNECTIONS.

COIN MECH	LOOM	INSTALLATION
C220B	LM1006IDC LM1006LAMP-0.1	<ul style="list-style-type: none"> • Attach the lamp holder to the bracket on the coin return button. • Attach one 15-way connector to the C220 coin mech. • Attach the other 15-way connector to Validator A on the credit board. • Attach the 2-way connector to 'LAMP' on the VTS board.
GENERIC MECHANICALS	LM1008 LM1008-LAMP	<ul style="list-style-type: none"> • Fit the two lamp holders behind the coin return buttons. • Attach the blue cable and orange cable to one mech's microswitch switch. • Attach the blue/green cable and orange/green cable to the other mech's microswitch. • Attach the 2-way mate and lok plug to the 2-way mate and lok cap provided. • Attach one 15-way connector to Validator A and the other to Validator B on the credit board
MARS MS111B1 MARS ME115	LM1007 LM1008-LAMP	<ul style="list-style-type: none"> • Fit the lamp holder to the bracket behind the coin return button. • Fit one of the 13-way connectors to the coin mech. • Fit the other 13-way connector to Validator A on the credit board. Note the 13-way connector is keyed and this key must coincide with the key on the credit board.
SECI, C120, SR3	OWN LOOM AND LM1006LAMP-0.1	<ul style="list-style-type: none"> • Attach the lamp holder to the bracket on the coin return button. • Attach the 2- connector to 'LAMP' on the VTS board. • Attach the validator's own loom to position A on the credit board



VTS credit board assembly

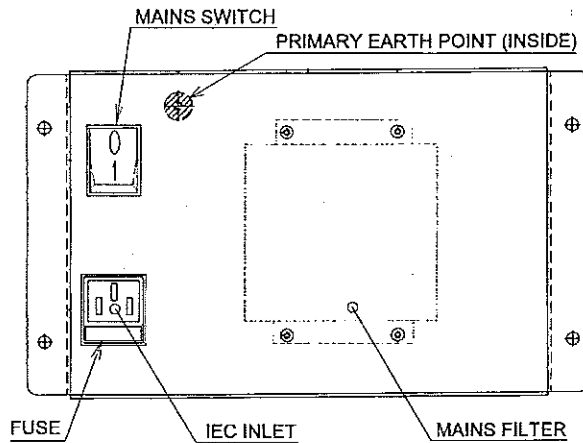
3.8.5. CONNECTION TO THE POWER SUPPLY



- Be sure that the machine is not connected to the mains supply before attempting this operation

- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.

1. The AC Unit is located on the right hand side of the base unit, when viewing the screen. It houses the IEC inlet, mains switch and fuse.



2. Ensure that all of the machine's wires have been connected in accordance with the preceding sections and that the mains switch is OFF.
3. Check that the operating voltage of the mains supply matches the machine (section 1.1).
4. Insert the IEC lead into the IEC inlet and the mains plug into a wall socket. If applicable, switch the wall socket ON.
5. Stand clear of the machine and switch the mains switch ON.

3.8.6. ADJACENT CONTROL INTERFERENCE PREVENTION



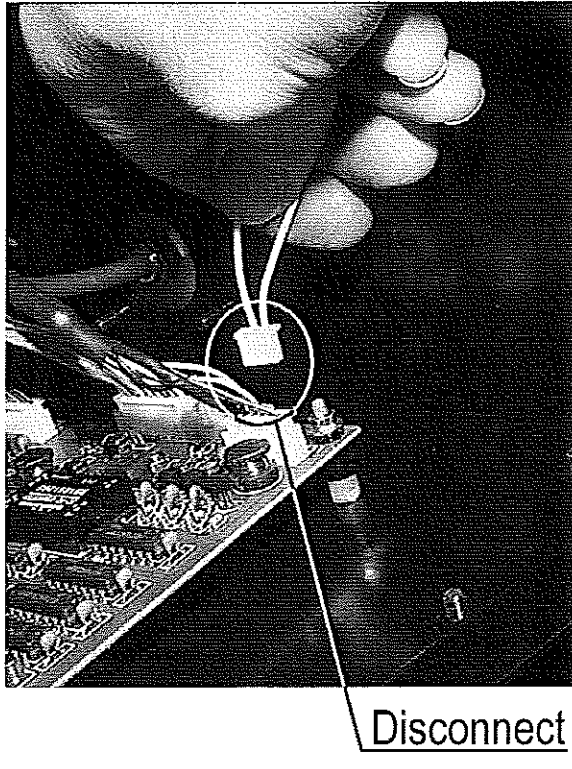
- Be sure that the machine is not connected to the mains supply before attempting this operation.
 - Be careful not to damage wiring.
 - The Game Board area should be accessed only if necessary.
-
- Only QUALIFIED SERVICE PERSONNEL should carry out this operation

When games with the same or similar infrared sensing system are installed side by side, interference may occur causing malfunction or inaccuracy of the sensing system in adjacent games.

A removable wire harness controls the operating frequency of the gun sense system. Removal of this harness switches from the default frequency to an alternate one.

Where game machines of the same or similar type are installed side by side, remove the jumper harness (SPY-60010UK) from every other machine in the line.

1. Turn off the power.
2. Open the Control Panel Cover as detailed in section 3.12 of the Service Manual.
3. Locate the Sensor Board and remove SPY-60010UK WIRE HARNESS HIGH FREQUENCY JUMPER as required.



3.9. ASSEMBLY CHECK



- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.

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

In the test mode, perform the following test:

3.9.1. MEMORY TEST

When "MEDIA BOARD TEST" is selected from the System Test Mode Menu Screen the Game Board memory is automatically tested. If the display beside each memory reads "GOOD", the Game Board is functioning correctly.

Also, when "SYSTEM INFORMATION" is selected, Main Board and Media Board data for the Game Board are displayed. If data is displayed correctly, the Game Board is functioning correctly.

```
MEDIA BOARD TEST

VERSION ****
STATUS GOOD
CHECKING 100%

SYSTEM TEST
DIMM0 - GOOD
DIMM1 - GOOD
IC34,35S - GOOD
IC10,11S - GOOD
GD DRIVE - GOOD
-- COMPLETED --

PRESS TEST BUTTON TO EXIT
```

MEDIA BOARD TEST screen

```
SYSTEM INFORMATION

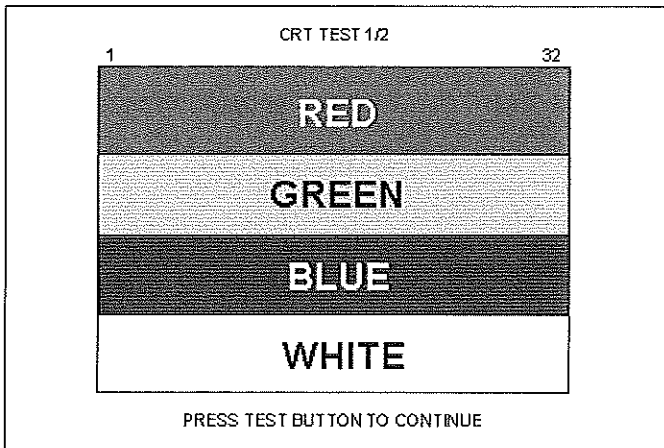
MAIN BOARD
REGION ****
BOOT VERSION ****
QC FIRM VERSION ****
SC FIRM VERSION ****
SERIAL NO. *****

MEDIA BOARD
DIMM BOARD + GDROM
MEMORY SIZE 512MB
FIRM VERSION ****
SERIAL NO. *****

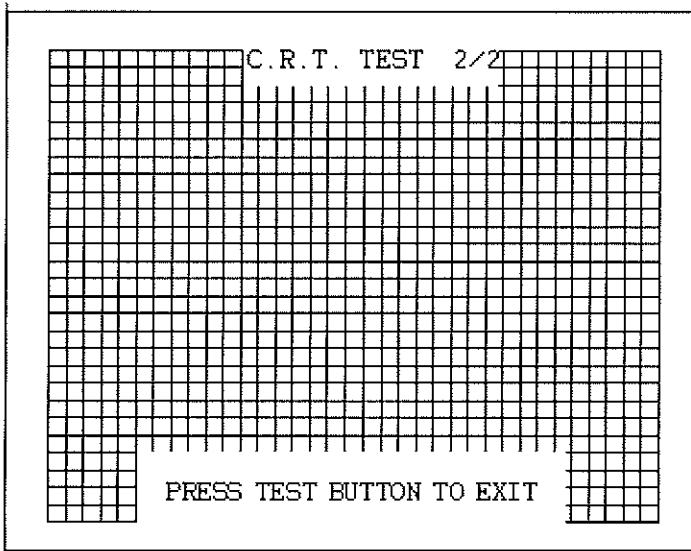
PRESS TEST BUTTON TO EXIT
```

SYSTEM INFORMATION screen

3.9.2. C.R.T. TEST



In the TEST mode menu, selecting C.R.T. TEST allows the screen (on which the monitor is tested) to be displayed. Although the monitor adjustments have been made at the time of shipment from the factory, make judgment as to whether an adjustment is needed by watching the test mode screen. If it is necessary, adjust the monitor by referring to Monitor manual.



3.9.3. INPUT TEST

INPUT TEST		
PLAYER	1	2
TRIGGER	OFF	OFF
ACTION	OFF	OFF
CHANGE	OFF	OFF
CARD IN	OFF	OFF
GUN-X	00H	00H
GUN-Y	00H	00H
SCREEN	OUT	OUT
START	OFF	OFF
SERVICE	OFF	
TEST	OFF	
PRESS TEST AND SERVICE BUTTON TO EXIT		

Selecting the INPUT TEST on the game test mode menu screen causes the screen (on which each switch is tested) to be displayed. Press each switch. If the display beside each switch indicates "ON," the switch and wiring connections are satisfactory.

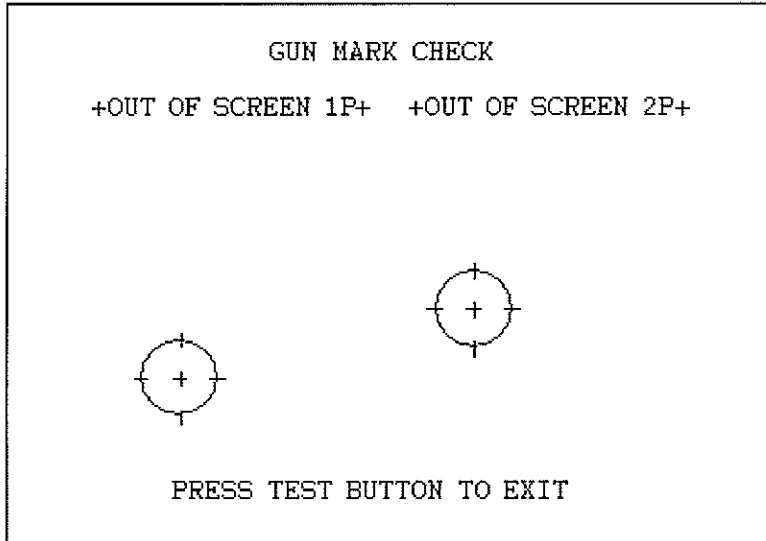
3.9.4. OUTPUT TEST

Select OUTPUT TEST from the menu in the test mode to cause the screen (on which each lamp and wiring connections are tested) to appear. Ensure that lamp light up satisfactorily.

OUTPUT TEST			
PLAYER 1	START LAMP		OFF
PLAYER 2	START LAMP		OFF
PLAYER 1	HALOGEN LAMP		OFF
PLAYER 2	HALOGEN LAMP		OFF
PLAYER 1	HOLDER LAMP		OFF
PLAYER 2	HOLDER LAMP		OFF
PLAYER 1	GUN REACTION		OFF
PLAYER 2	GUN REACTION		OFF
COIN LED			OFF
->	EXIT		
SELECT WITH SERVICE BUTTON AND PRESS TEST BUTTON			

3.9.5. GUN ADJUSTMENT

Before starting the operation, play the game by yourself and make sure that the gun readjustment is not needed and that you can play the game without a problem. Although completed at the factory, the gun adjustment may be necessary because after the adjustment the product has been disassembled for packing and shipping.



Perform the above inspections also at the time of monthly inspection.
As for the gun adjustment described in above, confirm weekly that the gun is properly adjusted.

3.10. MOVING THE MACHINE



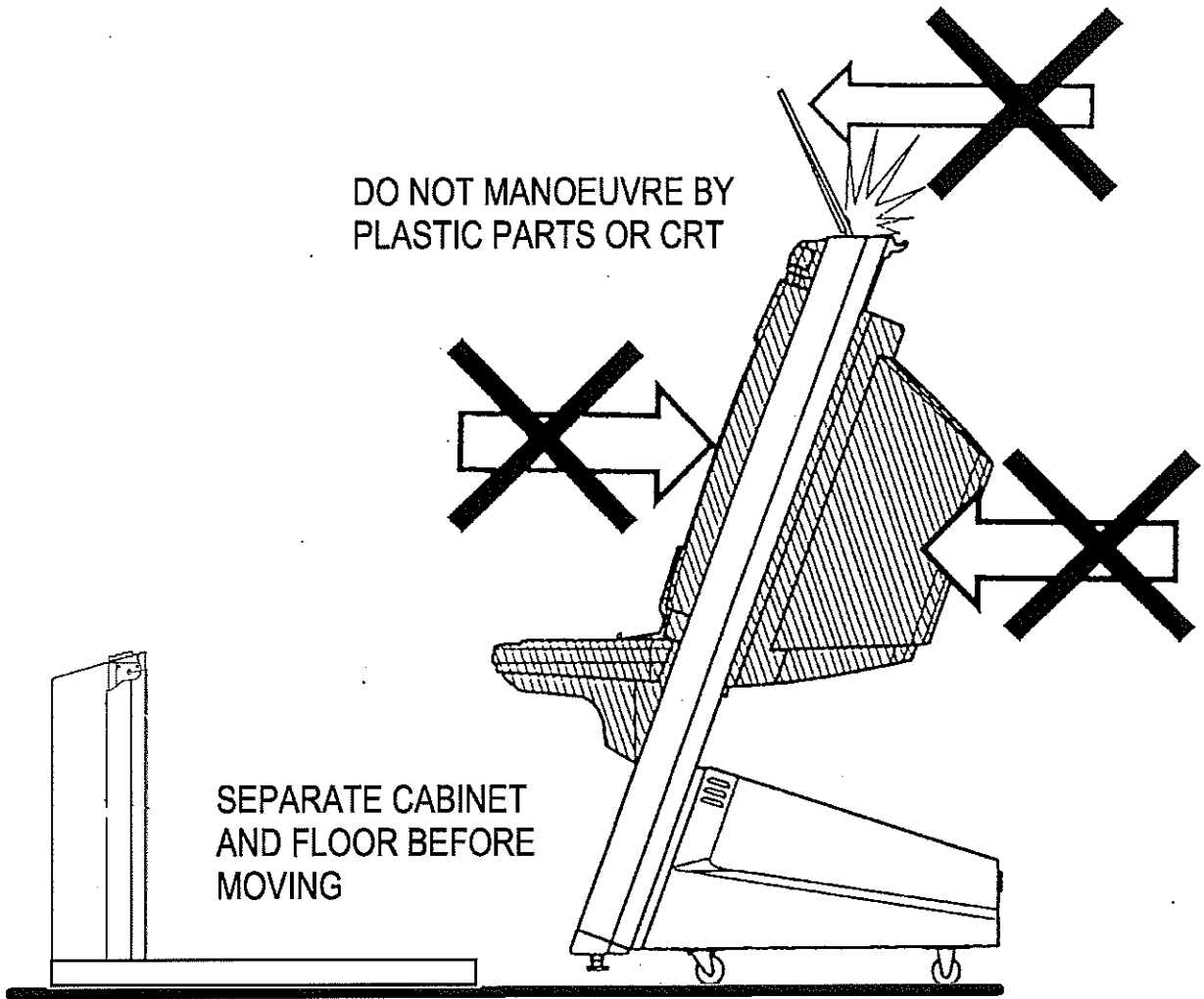
- When moving the machine, be sure to remove the plug from the power supply. Moving the machine with the plug inserted can cause the power cord to be damaged, resulting in a fire or electric shock.
- Separate the floor assembly from the cabinet before moving. Refer to section 3.8.2 for details.
- Retract 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.
- Do not push the upper part of the cabinet. Failure to observe this can cause the cabinet to fall forwards and result in accidents.



- When transporting the machine, be sure to hold the catch portion on the rear of the cabinet with the casters making contact with the surface as shown below. Inclining the machine by holding portions other than the catch or moving the cabinet without retracting the adjusters can damage the cabinet and/or the floor surface.
- Do not push the Billboard. Failure to observe this may damage the installation portions and may cause unexpected accidents.



- Only QUALIFIED SERVICE PERSONNEL should carry out this operation.



(Actual machine may differ slightly from illustration)

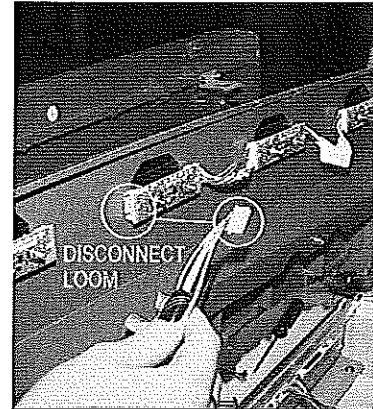
3.11. REPLACEMENT OF LED BOARD



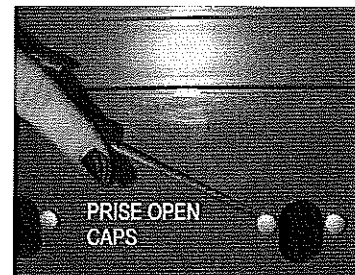
- Only QUALIFIED SERVICE PERSONNEL should carry out these procedures.

The operation of the ten LED boards located around the CRT can easily be checked by viewing from the front with the power switched on. Two red points of light from the LEDs should be visible through each of the ten black lenses: if any of the LEDs are not lit, the corresponding LED board(s) should be replaced as follows.

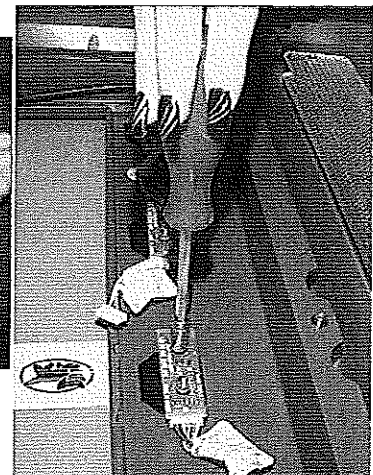
1. Turn the power OFF.
2. Remove the Front Panel as described in section 3.12.1, taking care to disconnect the LED board loom before fully removing the Front Panel (see right).



3. To access the mounting screws for the malfunctioning LED board(s), prise open the screw caps with a small flat head screwdriver as shown.



4. Lay the Front Panel face down on a soft surface (e.g. a blanket) to prevent marking. Disconnect the individual LED board(s) from the loom and remove the two M3 nuts to release the LED board.
5. Fit the replacement LED board and reassemble in reverse order.
6. Adjust the gun calibration in the test mode when the machine has been reassembled



3.12. REPLACEMENT OF FLUORESCENT LAMP AND START LAMPS



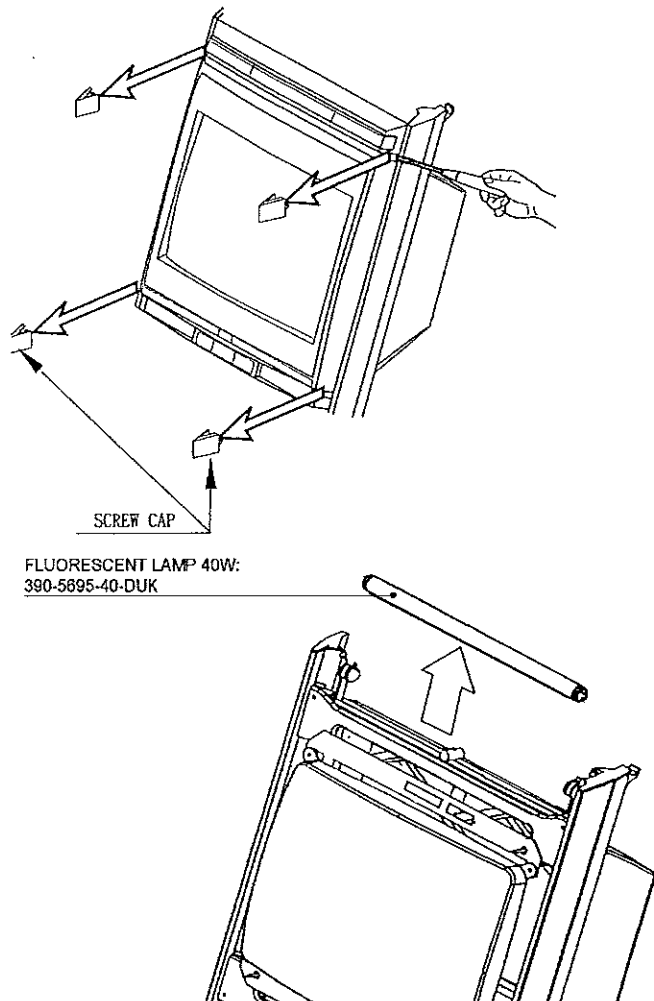
- Never touch places other than those specified. Touching places other than those specified can cause electric shock and short circuit. Disconnect the machine from the supply before attempting the replacement of any lamp.
- When performing work, be sure to turn power off. Working with power on can cause an electric shock or short circuit.
- Hot fluorescent lamps can cause burns. Be very careful when replacing them.
- Use a secure step to improve access to the upper parts of the cabinet.



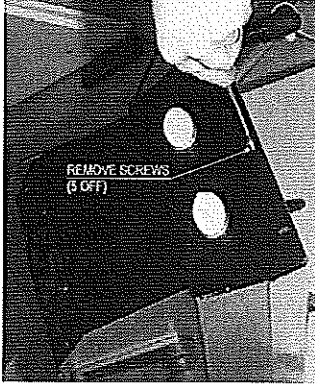
- Only QUALIFIED SERVICE PERSONNEL should replace lamps.

3.12.1. FLUORESCENT

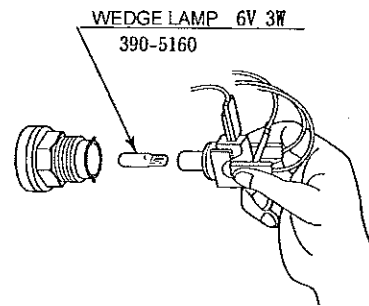
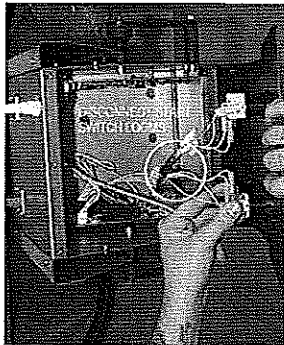
1. Power OFF the machine and remove the IEC lead from the wall outlet.
2. Unlock the lock on the underside of the Control Panel Base, and open the Panel.
3. By using a flat bladed screwdriver, carefully remove the four screw caps from the front panel.
4. Take out the four tamperproof screws and the two lower screws, and carefully take off the Front Panel far enough to disconnect the LED board loom (refer to section 3.11). Once this loom has been disconnected, the Front Panel can be fully removed.
5. Remove the four screws and the Earth Link to allow the Billboard Holder to be removed.
6. Disconnect the two end caps and withdraw the Lamp upwards through the two mounting clips to remove the Fluorescent lamp.
7. After replacing the lamp, reassemble in reverse order, being sure to replace the Earth Link between the Billboard Holder and frame, and the LED board loom.



3.12.2. START LAMP REPLACEMENT



1. Remove the control panel cover as shown by removing the 5 screws holding it in position.
2. Carefully lift the control panel cover up until it is possible to disconnect the wire harness plugs attaching the start switches to the cabinet.
3. Turn the control panel cover over and remove the micro switch from the start switch as shown below.
4. Remove and replace the wedge lamp.
5. Reassemble the control panel cover to the gun cabinet.



3.13. GAME BOARD



- Turn off the mains power and remove the power cord before opening the machine.
- To prevent risk of shock or fire, be careful not to damage any wiring.

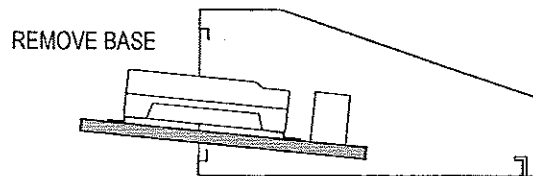
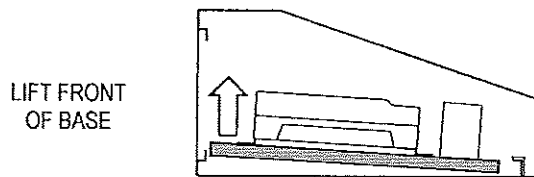
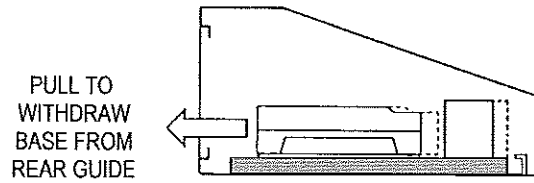
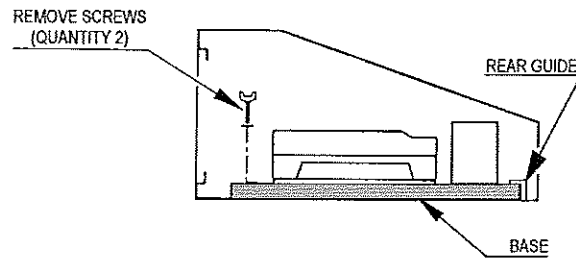
- The GAME BOARD should not require any work to be carried out upon it. All settings and tests can be achieved without access to the GAME BOARD.
- Take anti-static precautions to avoid damaging the electronic parts.
- All work to be carried out by QUALIFIED SERVICE PERSONNEL

The GD-ROM Service Manual supplied with this product instructs you to remove the Key Chip when shipping the Game Board. However, this product employs a dedicated Game Board, therefore do not disassemble the Game Board, or remove the Key Chip.

3.13.1. REMOVING THE BOARD

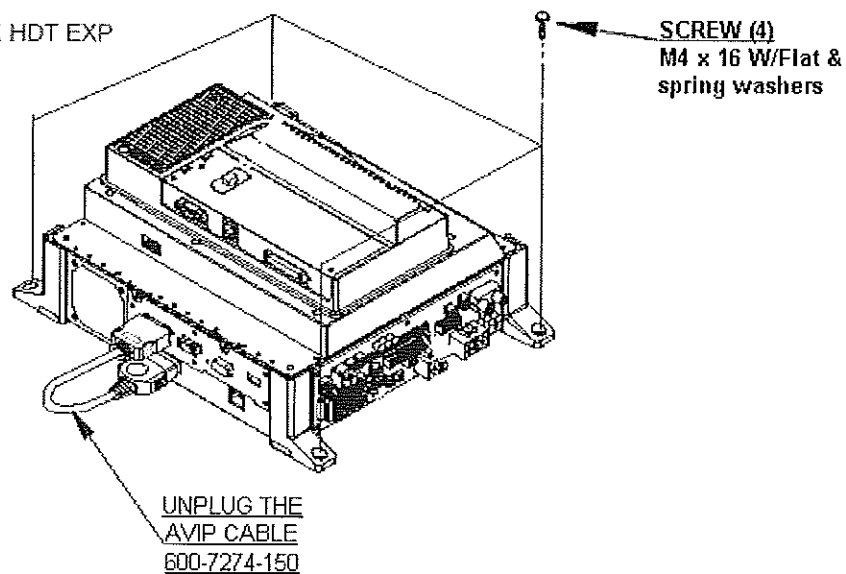


1. Turn off the power.
2. Unlock and remove the Service Door.
3. Disconnect all harnesses linking the Game Board assembly to the cabinet.
4. Remove the two M4 wing bolts and carefully withdraw the assembly upwards and out through the service opening (see following page).



5. Remove all connectors from the filter board of the Game Board. Also remove the GD cable connector from the DIMM Board.
6. Remove four screws securing the Game Board to the base.
7. Reassemble in reverse order.

ASSY CASE BOX HDT EXP
843-0001D-12



Auxiliary Items

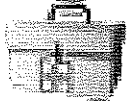
Auxiliary items appear in certain situations during the game.

There are two types of auxiliary items, items that are put to use and disappear immediately after picking up, and those that are stocked and continue to be effective over time. The latter type can be used only one at a time.

Some auxiliary items can be taken advantage of only when combined with certain weapons.

For example, the "Compensator" is effective only when using weapons that produce a bullet spread effect.

The auxiliary items appearing in this game consist of the following 7 types.



First-Aid Kit: Restores 1 life unit.



Dot Sight: Displays the gun's sight reticule as an illuminated point.



Hi-cap Magazine: Doubles magazine capacity.



Compensator: Eliminates bullet spread effects.



Body Armour I: Halves the amount of damage taken for up to 2 hits.



Body Armour II: Halves the amount of damage taken for up to 4 hits.



Medal: Increases experience points acquired following the game.
[When no IC Card is being used, it boosts the GS Meter.]

Experience Points

Experience points are accumulated during game play when playing with an IC Card.

The amount of experience points accumulated during play are determined by score, GS Meter level, the number of medals, and game progress. These points are awarded to the player on the Game Results Screen following the game.

The player is levelled up after reaching a certain experience level. Depending on the level increase, players are rewarded with promotions and new weapons. Any new weapons can be used from the next play.

[When no IC Card is being used, there are no experience points.]

Rank and Promotion

Ranks serve as a comprehensive evaluation of the player's ability.

If certain conditions are met when levelling up, the player's rank increases by a level. This is referred to as "promotion".

Promotions open up new costumes and high-level, rare weapons that can be used from the next play.

[When no IC Card is being used, the rank insignia is decided by the player's score.]

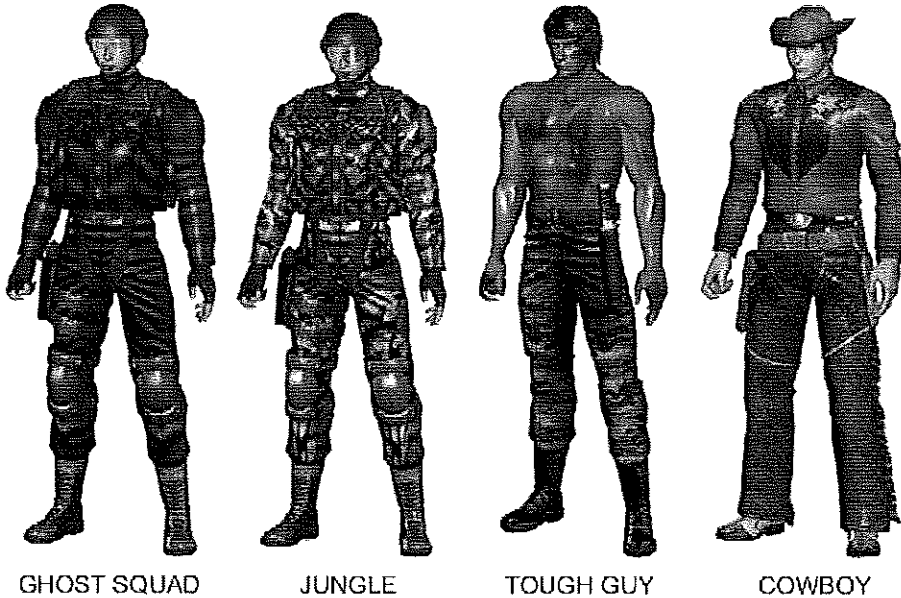
Costumes

This game has 14 different costumes.

Initially only 2 are available ("GHOST SQUAD" and "JUNGLE"), but that number increases with further play. The chosen costume can be viewed during in-game cut scenes.

Costumes have no direct effect on damage, score, or other game content.

[When no IC Card is being used, costumes are chosen from the 4 types shown below.]



GHOST SQUAD

JUNGLE

TOUGH GUY

COWBOY

Weapons

As the player's level and rank go up, new weapons become available.

After a weapon has been acquired, it can be selected from the Customize Screen before starting a game.

Once equipped, however, a weapon cannot be changed during play.

This game has 25 different types of weapons, each with varying characteristics and auxiliary weapon compatibility.

- | | |
|-------------------|---|
| Machinegun class: | A typical weapon, capable of rapid-fire shooting. |
| Shotgun class: | Blasts covering a wide area, a single shot is capable of taking out multiple enemies. |
| Handgun class: | Requires a high learning curve, suitable for expert players. |
| Rifle class: | Capable of piercing walls and obstacles, can take out hidden enemies. |
| Others: | Weapons not fitting in any of the above categories. |

[When no IC Card is being used, weapons are chosen from the 4 shown below before a game.]

- "XM-2119": A standard sub-machinegun. Can toggle between Semi-auto, 3-Shot Burst, and Full-auto firing modes to best match the situation. There is, however, an ammunition restriction on Full-auto fire.
- "TK1B": A powerful machinegun. It has high firepower and no Full-auto ammunition restriction. It is also has penetration power, making hidden enemies vulnerable to its fire. Its lack of accuracy from bullet spread is its main weakness, along with a long reload time.
- "P44M": is extremely powerful and capable of penetration.
- "M4E": A shotgun, capable of hitting multiple enemies with a single shot. Despite its power, the danger of hitting hostages or fellow troops with friendly fire warrants caution.

6. EXPLANATION OF TEST AND DATA DISPLAY

By operating the switch unit, periodically perform the tests and data check. When installing the machine initially or collecting cash, or when the machine does not function correctly, perform checking in accordance with the explanations given in this section.

The following shows tests and modes that should be utilized as applicable.

This product's basic system consists of the Chihiro game board and the GD-ROM drive. The system enables you to play several games one after the other just by changing a GD-ROM disc that is to be set on the GD-ROM drive.

The product supports, therefore, the following 2 test modes:

- (1) System test mode for an automatic self-diagnostic test (generally used by every product that contains the basic system) and a coin assignment (specifically used by this product) and
- (2) Game test mode for testing the input/output control devices and setting the difficulty level (specifically used by this product).

ITEMS	DESCRIPTION	REFERENCE SECTION
INSTALLATION OF MACHINE	When the machine is installed, perform the following: 1. Check to ensure each is the standard setting at shipment. 2. Check each Input equipment in the INPUT TEST mode. 3. Check each Output equipment in the OUTPUT TEST mode. 4. Test on-IC-Board IC's in the self-test mode.	6.2.3 6.2.1 6.2.2 6.1.3, 6.1.4
MEMORY TEST	This test is automatically executed by selecting MEDIA BOARD TEST or SYSTEM INFORMATION in the Menu mode.	6.1.3, 6.1.4
PERIODIC SERVICING	Periodically perform the following: 1. MEMORY TEST 2. Ascertain each setting. 3. To test each Input equipment in the INPUT TEST mode. 4. To test each Output equipment in the OUTPUT TEST mode.	6.1.3, 6.1.4 6.2.3, 6.2.4 6.2.1 6.2.2
CONTROL SYSTEM	1. To check each Input equipment in the INPUT TEST mode. 2. Adjust or replace each Input equipment. 3. If the problem still remains unsolved, check each equipment's mechanism movements.	6.2.1 6.2.4 7
MONITOR	In the Monitor Adjustment mode, check to see if Monitor (Projector) adjustments are appropriate.	
IC BOARD	MEMORY TEST	6.1.3, 6.1.4
DATA CHECK	Check such data as game play time and histogram to adjust the difficulty level, etc.	6.2.7

6.1. SYSTEM TEST MODE



- Any settings that are changed by users during TEST MODE are saved upon exiting TEST MODE with the EXIT command in the SYSTEM MENU. If the unit is powered off prior to exiting, changes to settings will not take effect.
- You may not enter GAME TEST MODE while the unit is reading from or checking the GD-ROM. If error messages are displayed when exiting TEST MODE, you should power the unit off and on again.
- In the manual for this product, "Media Board" and "DIMM" are one and the same.
- Use with the specified settings. If settings other than those specified are used, inappropriate operations or malfunction may occur.

6.1.1. SYSTEM TEST MENU MODE

System Test Mode can be used to check that the main circuit operations are correct, adjust Monitor colour, and perform coin/credit settings.

However, this product can only be used with the settings shown below.

SOUND TEST

- OUTPUT TYPE: STEREO

COIN ASSIGNMENTS

- COIN CHUTE TYPE: COMMON

- SERVICE TYPE: COMMON

1. Press the TEST Button after powering on the unit to display the following SYSTEM MENU.

```

                                SYSTEM MENU
                                MEDIA BOARD TEST
                                SYSTEM INFORMATION
                                JVS TEST
                                SOUND TEST
                                C.R.T. TEST
                                COIN ASSIGNMENTS
                                CLOCK SETTING
                                NETWORK SETTING(CORE)
                                NETWORK SETTING(MEDIA)
                                ENTER GAME TEST
                                [*****]
                                |EXIT
                                SELECT WITH SERVICE BUTTON
                                AND PRESS TEST BUTTON

```

2. Press the SERVICE Button to move the cursor to the desired test item.
3. Move the cursor to the desired item and press the TEST Button to display each test screen.
4. Move the cursor to ENTER GAME TEST and press the TEST Button to enter the individual test menus for each game. Refer to "9-3 GAME TEST MODE".
5. When testing is complete, move the cursor to EXIT and press the TEST Button. The game advertisement screen should be displayed.

6.1.2. MEDIA BOARD TEST



- Powering off the system during the MEDIA BOARD TEST with a DIMM BOARD will erase the game programme data. It may be necessary to reload the data.
- Always wait for the test to complete before attempting to exit.

MEDIA BOARD TEST is used to check the memory and IC on the MEDIA BOARD connected to the Chihiro. Test screens and test times may differ depending on the type of MEDIA BOARD connected to the unit.

The following is the MEDIA BOARD TEST screen for a unit with a DIMM BOARD.

```
MEDIA BOARD TEST

DIMM BOARD (TYPE3)
VERSION    ****
STATUS     GOOD
CHECKING   100%

DIMM TEST
DIMM0      GOOD
DIMM1      NONE
GD-ROM     GOOD

PRESS TEST BUTTON TO EXIT
```

1. MEDIA BOARD TEST begins immediately upon entering this test mode.
2. If "GOOD" is displayed to the right of each item, the MEDIA BOARD components are functioning properly.
3. After the test is complete, move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.

6.1.3. SYSTEM INFORMATION

Use SYSTEM INFORMATION to check version and other information for system programmes. Screens may differ depending on the type of MEDIA BOARD connected to the unit. The following is the SYSTEM INFORMATION screen for a unit with a DIMM BOARD.

```

                SYSTEM INFORMATION

MAIN BOARD
REGION                ****                ( A )
BOOT VERSION          ****                ( B )
QC FIRM VERSION       ****                ( B )
SC FIRM VERSION       ****                ( B )
SERIAL NO.           *****                ( C )

MEDIA BOARD
DIMM BOARD + GDROM   ( D )
MEMORY SIZE          512MB                ( E )
FIRM VERSION         ****                ( F )
SERIAL NO.           *****                ( G )

PRESS TEST BUTTON TO EXIT
```

Press the TEST Button to return to the SYSTEM MENU screen.

- A) REGION
The COUNTRY CODE of the MAIN BOARD.
- B) BOOT VERSION, QC FIRM VERSION, SC FIRM VERSION
Version information for the MAIN BOARD system programmes.
- C) SERIAL NO.
Serial number of the MAIN BOARD.
- D) DIMM BOARD + GDROM
Type of MEDIA BOARD. This example shows a DIMM BOARD with a GD-ROM DRIVE connected.
- E) MEMORY SIZE
Capacity of DIMM memory installed on the DIMM BOARD.
- F) FIRM VERSION
Version information for the DIMM BOARD system programme.
- G) SERIAL NO.
Serial number of the DIMM BOARD.

6.1.4. JVS TEST

JVS TEST is used to verify the specs of the I/O BOARD connected to the Chihiro and to run input tests. I/O BOARD specs are displayed initially.

Screens may differ depending on the type of I/O BOARD connected to the unit.

```

                                JVS TEST
                                INPUT TEST
                                NEXT NODE
                                | "EXIT
NODE                             ****
NAME                             *****
                                I/O BD JVS
                                Ver****
                                *****
CMD VER                          1.1
JVS VER                          2.0
COM VER                          1.0
SWITCH                          2 PLAYER(S) 13 BITS
COIN                             2 SLOT
ANALOG                          8 CH
ROTARY                          0 CH
KEYCODE                          0
SCREEN                          X:0 Y:0 CH:0
CARD                             0 SLOT
HOPPER OUT 0 CH
DRIVER OUT 6 CH
ANALOG OUT 0 CH
CHARACTER CHARA:0 LINE:0
BACKUP                          0
                                SELECT WITH SERVICE BUTTON
                                AND PRESS TEST BUTTON
```

1. Use the SERVICE Button to move the cursor to the desired test item.
2. Move the cursor to INPUT TEST and press the TEST Button to enter the INPUT TEST screen for the I/O BOARD currently displayed.
3. When 2 or more I/O BOARDS are connected, move the cursor to NEXT NODE and press the TEST Button to enter the test screen for the next I/O BOARD. The lower the NODE number, the further away the node is from the Chihiro.
4. Move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.

INPUT TEST Screen

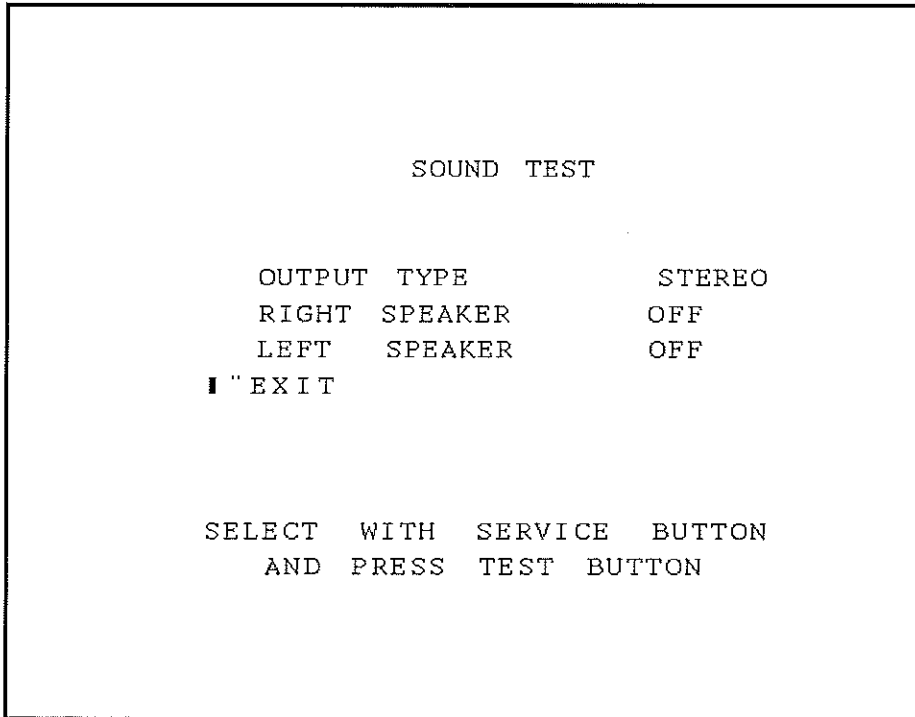
JVS TEST		
INPUT TEST		
NODE	1/1	
SYSTEM	00	(A)
PLAYER 1	0000	(A)
PLAYER 2	0000	(A)
COIN 1	0000	(B)
COIN 2	0000	(B)
ANALOG 1	0000	(C)
ANALOG 2	0000	(C)
ANALOG 3	0000	(C)
ANALOG 4	0000	(C)
ANALOG 5	0000	(C)
ANALOG 6	0000	(C)
ANALOG 7	0000	(C)
ANALOG 8	0000	(C)

PRESS TEST AND SERVICE BUTTON TO EXIT

5. On-screen values change according to the input from switches and the volume.
- A) SYSTEM, PLAYER
Values change with input from control panel/other switches.
 - B) COIN
Increases with input from the COIN SWITCH. The count is cleared when exiting TEST MODE.
 - C) ANALOGUE
Displays analogy values from "0000" to "FFFF".
6. Press the SERVICE and TEST Buttons simultaneously to return to the JVS TEST main screen.

6.1.5. SOUND TEST

Use SOUND TEST to test sound output and to select the stereo/mono/surround setting.



(A)
(B)
(B)

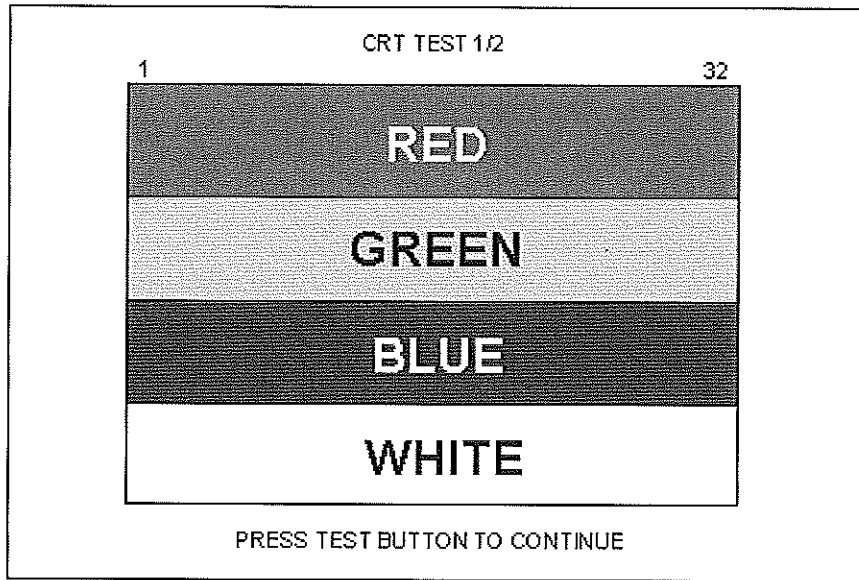
1. Use the SERVICE Button to move the cursor to the desired test item.
2. Press the TEST Button to enter the selected item.
 - A) OUTPUT TYPE: STEREO, MONO, SURROUND
Select the sound output from the I/O PANEL audio output interface setting among STEREO, MONO and SURROUND
 - B) RIGHT/LEFT SPEAKER: ON, OFF
When set to "ON", the test sends a beep to each audio output interface. Only the word "SPEAKER" is displayed when the OUTPUT TYPE is set to "MONO", and when set to "ON", the test sends the same beep to both the left/right audio output interfaces.
To test surround output, it is necessary to use a separate Audio Amp, and receive signal from a terminal not in use at the time of shipping.
Note: Not available with this product.
3. Move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.

6.1.6. CRT TEST

Use the C.R.T. TEST to adjust monitor colours and verify screen size.

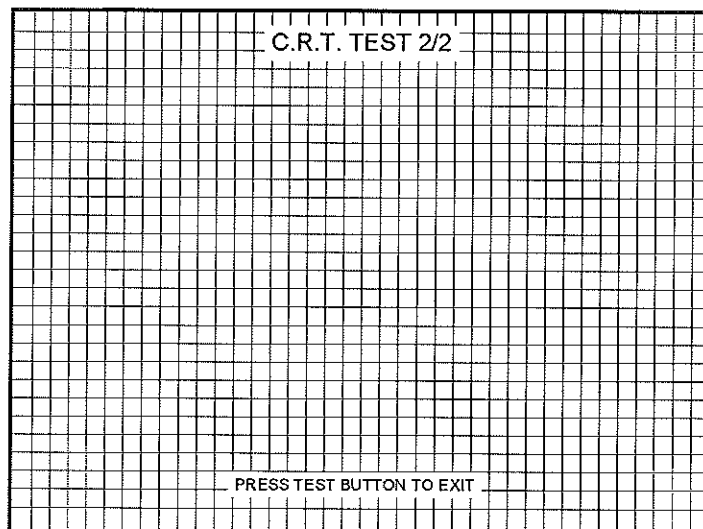
COLOUR CHECK Screen

- (1) Monitor COLOUR CHECK screen is displayed initially.
Each of the colours (red, green and blue) is darkest at the far left and gets progressively lighter (32 steps) towards the right.
Monitor brightness is set correctly if the white colour bar is black at the left edge and white at the right edge.



- (2) Press the TEST Button to proceed to the next page

SIZE CHECK Screen

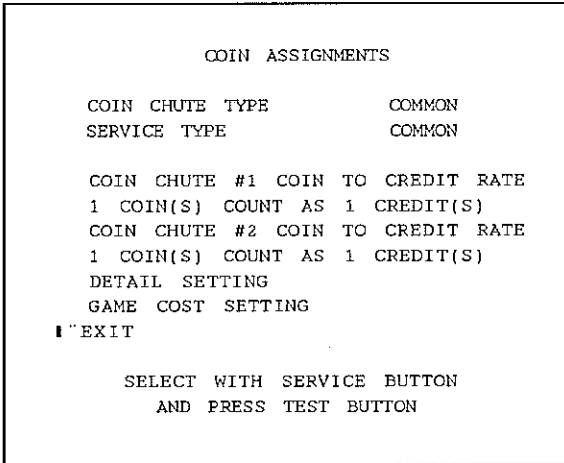


- (3) Adjust the CHECK GRID so that the entire GRID is displayed on the screen.
- (4) Press the TEST Button to return to the SYSTEM MENU screen.

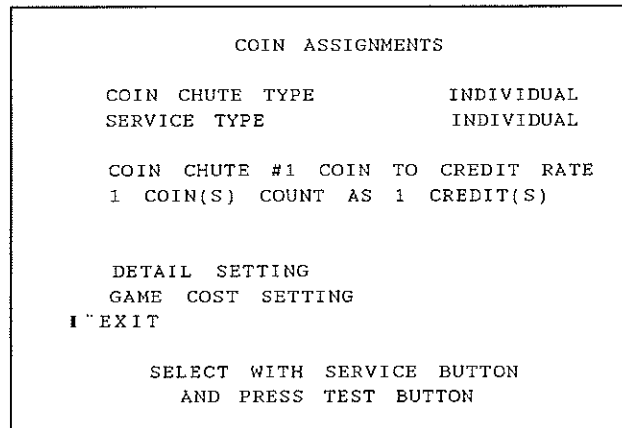
6.1.7. COIN ASSIGNMENTS

Use COIN ASSIGNMENTS to set the credit rate for each coin inserted.

1. Use the SERVICE Button to move the cursor to the desired test item.
2. Press the TEST Button to change the setting or to open the detailed settings.
3. Move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.



COIN CHUTE TYPE: COMMON



COIN CHUTE TYPE: INDIVIDUAL

- A) COIN CHUTE TYPE: COMMON, INDIVIDUAL
Adjust settings according to the specs of the cabinet COIN CHUTE.

COMMON

This is for cabinets where a single COIN CHUTE is used by multiple players. Coins inserted by each player are treated as common credits. Up to 2 COIN CHUTES (#1 and #2) may be used. The (C) COIN TO CREDIT RATE setting for COIN CHUTE #1 and #2 may be set differently.

INDIVIDUAL

This is for cabinets with individual COIN CHUTES for each player. Coins inserted by each player are treated as individual player credits. The (C) COIN TO CREDIT RATE setting is used by all COIN CHUTES.

- B) SERVICE TYPE: COMMON, INDIVIDUAL
Use this to set the function of each SERVICE Button when there is more than one SERVICE Button.

COMMON

Pressing any SERVICE Button enters service credits for all players.

INDIVIDUAL

Pressing the SERVICE Button enters service credits only for the corresponding player.

- C) **COIN TO CREDIT RATE**
 Set the CREDIT RATE for each coin inserted.
 The "1 COIN(S) COUNT AS 1 CREDIT(S)" setting indicates that "Inserting 1 coins equals 1 credits".
 Set this to "FREE PLAY" to allow game play without credits.
 When (A) COIN CHUTE TYPE is set to "COMMON", COIN CHUTE #2 settings are restricted to some extent by the settings for COIN CHUTE #1.
- D) **DETAIL SETTING**
 This mode allows for more detailed credit rate settings than the (C) COIN TO CREDIT RATE setting.
 Changes made in DETAIL SETTING override any (C) COIN TO CREDIT RATE settings.

DETAIL SETTING Screen

```

          COIN ASSIGNMENTS
          DETAIL SETTING
COIN CHUTE #1 MULTIPLIER
  1 COIN COUNT AS 1 COIN(S)
COIN CHUTE #2 MULTIPLIER
  1 COIN COUNT AS 1 COIN(S)
BONUS ADDER          NO BONUS ADDER
COIN TO CREDIT      1 COIN(S) 1 CREDIT
EXIT
COIN CHUTE #1 OPERATION
COIN  1  2  3  4  5  6  7  8  9
CREDIT 1  2  3  4  5  6  7  8  9
COIN CHUTE #2 OPERATION
COIN  1  2  3  4  5  6  7  8  9
CREDIT 1  2  3  4  5  6  7  8  9
          SELECT WITH SERVICE BUTTON
          AND PRESS TEST BUTTON
  
```

COIN CHUTE TYPE: COMMON

```

          COIN ASSIGNMENTS
          DETAIL SETTING
          COIN CHUTE #1 MULTIPLIER
          1 COIN COUNT AS 1 COIN(S)
          (E)
          (E)
          BONUS ADDER          NO BONUS ADDER
          COIN TO CREDIT      1 COIN(S) 1 CREDIT
          (F)
          (G)
EXIT
COIN CHUTE #1 OPERATION
COIN  1  2  3  4  5  6  7  8  9
CREDIT 1  2  3  4  5  6  7  8  9

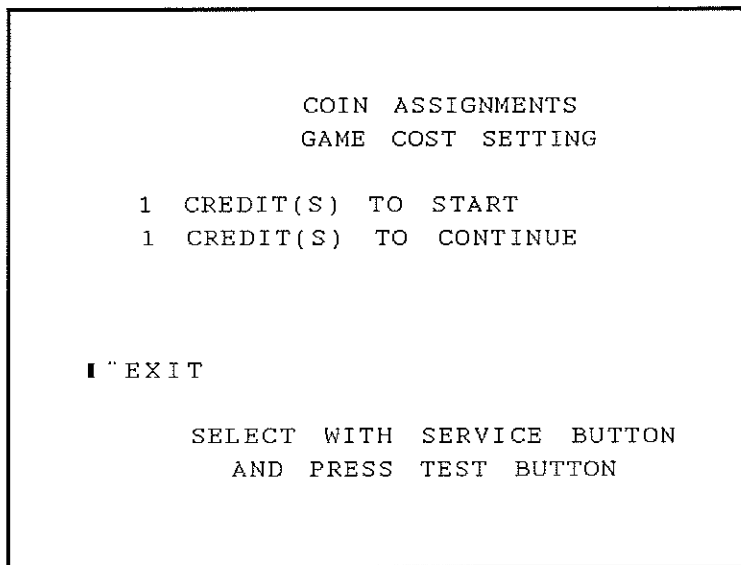
          SELECT WITH SERVICE BUTTON
          AND PRESS TEST BUTTON
  
```

COIN CHUTE TYPE: INDIVIDUAL

- E) **COIN CHUTE MULTIPLIER**
 Use this to set how many coins will be counted for each coin inserted.
 The "1 COIN COUNT AS 1 COIN(S)" setting indicates that "Each coin will be counted as 1 coins".
 When the (A) COIN CHUTE TYPE is set to "COMMON", the setting may be set individually for COIN CHUTE #1 and #2.
- F) **BONUS ADDER**
 Use this to set the number of coins calculated with the (E) COIN CHUTE MULTIPLIER setting that need to be inserted to get 1 bonus coin. When the (A) COIN CHUTE TYPE is set to "COMMON", the sum of the coins for COIN CHUTE #1 and #2 is used for the calculation.
 The "1 COINS GIVE 1 EXTRA COIN" setting indicates that "For every 1 coins, 1 bonus coin is given".
 Set this to "NO BONUS ADDER" to disable bonus coins entirely.
- G) **COIN TO CREDIT**
 Use this to set how many coins calculated with the (F) BONUS ADDER setting count as 1 credit.
 The "□¢ COIN(S) 1 CREDIT" setting indicates that "Every □¢ coins equals 1 credit."

6.1.8. GAME COST SETTING

Use this mode to set the number of credits required to start a game.
Screens may differ depending on the game.



- I) Set the number of credits required to start a game
- J) Set the number of credits required to continue a game.

6.1.9. CLOCK SETTING

Use CLOCK SETTING to set the Chihiro internal clock.

CLOCK SETTING

20XX/XX/XX (XXX) XX:XX:XX

YEAR
MONTH
DAY
HOUR
MINUTE
█ "EXIT

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON

1. Use the SERVICE Button to move the cursor to the item to be set.
2. Move the cursor to the desired item and press the TEST Button to increase values. The max value for YEAR is "2099"; further increases return the value to "2000".
3. Move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.

6.1.10.NETWORK SETTING (CORE)

Use the LAN PORT attached to the Main Board, and carry out the settings necessary for network communication. *Note: This function is not available with this product.*

```

      NETWORK SETTING (CORE)

-> REMOTE (C)           ENABLE           ( A )
   IP ADDRESS (C)     ( B )
   -----
   SUBNET MASK (C)    ( C )
   -----
   GATE WAY (C)       ( D )
   -----
   PRIMARY DNS (C)    ( E )
   -----
   EXIT

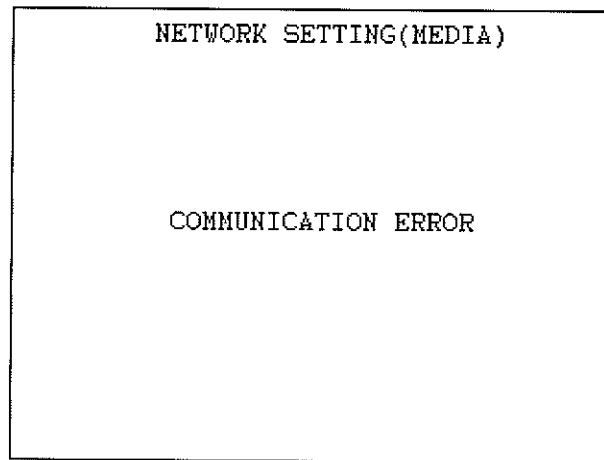
      CURRENT *****           ( F )
      ***.***.***.***

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON
```

1. Use the SERVICE Button to move the cursor to the desired test item.
(When setting IP ADDRESS, SUBNET MASK, GAME WAY or PRIMARY DNS, use the underline as a guide.)
2. Press the TEST Button to change the setting.
3. Move the cursor to EXIT and press the TEST Button to return to the SYSTEM MENU screen.
 - A) REMOTE (C)
This sets up whether a communication setting is automatic or manual.
ENABLE: Sets the communication setting automatically.
DISABLE: Sets the communication setting manually.
 - B) IP ADDRESS (C)
This is one of the settings required for communication network. After setting the number, press TEST Button on SET position to memorize the setting. If you set the REMOTE setting to ENABLE, you cannot select this.
 - C) SUBNET MASK (C)
This is one of the settings required for communication network. After setting the number, press TEST Button on SET position to memorize the setting. If you set the REMOTE setting to ENABLE, you cannot select this.
 - D) GATE WAY (C)
This is one of the settings required for communication network. After setting the number, press TEST Button on SET position to memorize the setting. If you set the REMOTE setting to ENABLE, you cannot select this.
 - E) PRIMARY DNS (C)
This is one of the settings required for communication network. After setting the number, press TEST Button on SET position to memorize the setting. If you set the REMOTE setting to ENABLE, you cannot select this.
 - F) CURRENT
This displays the present setting value during a setup of each item [(B), (C), (D), (E)]. Pressing TEST Button on SET position, the settings are memorized and the screen is changed.

6.1.11.NETWORK SETTING MEDIA

Use NETWORK SETTING to establish and test network connections.
This is only displayed the following error message screen.
This game does not support network communication connections.



6.2. GAME TEST MODE

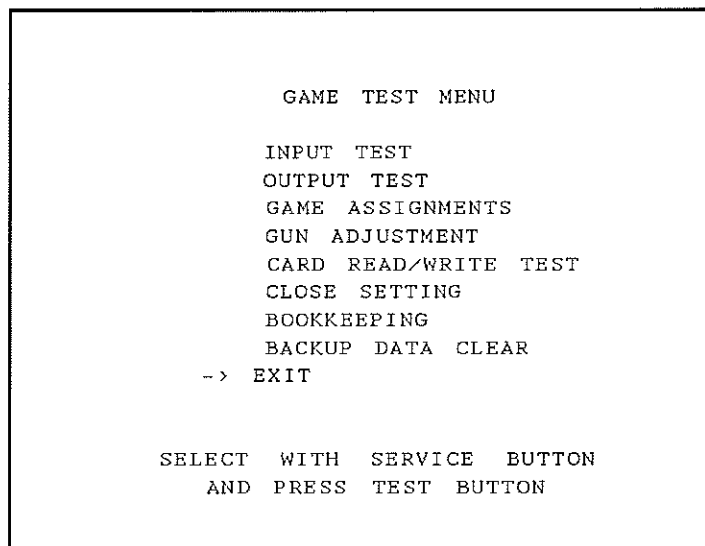


IMPORTANT

- When changing the game configuration, changes will not take effect until the Game Test Mode has been completed. Be sure to exit the Game Test Mode properly after configuration changes.

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

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



Performs tests, adjustments and settings for each of the Game Test Menu screen items below.

- | | |
|--------------------------|--|
| A. INPUT TEST: | Tests each input device used in the game. |
| B. OUTPUT TEST: | Tests each output device used in the game. |
| C. GAME ASSIGNMENTS: | Adjusts game settings. |
| D. GUN ADJUSTMENT: | Performs sight settings for the game's Control Unit (Gun). |
| E. CARD READ/WRITE TEST: | Tests the reading and writing of IC Cards. |
| F. CLOSE SETTING: | Sets store closing time. |
| G. BOOKKEEPING: | View all recorded game data. |
| H. BACKUP DATA CLEAR: | Erase all game records. |

After selecting an item, read the explanations below regarding operation.

After performing tests and adjustments, return to the Game Test Menu screen, select EXIT and press the TEST Button.

You will return to the System Menu screen. Move the cursor to EXIT on the System Menu screen and press the TEST Button to return to the Game Play screen.

6.2.1. INPUT TEST

Select INPUT TEST to display the following screen and check the status of input devices. This test should be used periodically to check that each input device is functioning correctly.

INPUT TEST		
PLAYER	1	2
TRIGGER	OFF	OFF
ACTION	OFF	OFF
CHANGE	OFF	OFF
CARD IN	OFF	OFF
GUN-X	00H	00H
GUN-Y	00H	00H
SCREEN	OUT	OUT
START	OFF	OFF
SERVICE TEST		OFF OFF
PRESS TEST AND SERVICE BUTTON TO EXIT		

The items refer to the following input devices.

- TRIGGER: The controller's TRIGGER switch.
- ACTION: The controller's ACTION button.
- CHANGE: The controller's SHOT SELECTOR button.
- CARD IN: Whether an IC card is inserted into the slot or not.
- GUN-X: The current X-coordinate of the controller's target location. (range: 00-FF)
- GUN-Y: The current Y-coordinate of the controller's target location. (range: 00-FF)
- SCREEN: If the controller is facing the screen, this will be IN, otherwise it is OUT.
- START: The START button.
- SERVICE: The SERVICE button.
- TEST: The TEST button.

Input is normal if the display to the right of each item changes from OFF to ON when each input device is operated.

Input is normal if the display to the right of SCREEN changes from OUT to IN and GUN-X and GUN-Y show values between 00 and FF when the controller is pointed at the screen.

Press the SERVICE and TEST Buttons simultaneously to return to the Game Test Menu Screen.

6.2.2. OUTPUT TEST

Select OUTPUT TEST to display the following screen and check the status of each lamp. This test should be used periodically to check that the lamps are functioning correctly.

Press the SERVICE Button to move the cursor and the TEST Button to select. Displays ON when selected.

```

                                OUTPUT TEST

PLAYER 1 START LAMP           OFF
PLAYER 2 START LAMP           OFF
PLAYER 1 HALOGEN LAMP         OFF
PLAYER 2 HALOGEN LAMP         OFF
PLAYER 1 HOLDER LAMP          OFF
PLAYER 2 HOLDER LAMP          OFF
PLAYER 1 GUN REACTION         OFF
PLAYER 2 GUN REACTION         OFF
COIN LED                       OFF
-> EXIT

                                SELECT WITH SERVICE BUTTON
                                AND PRESS TEST BUTTON

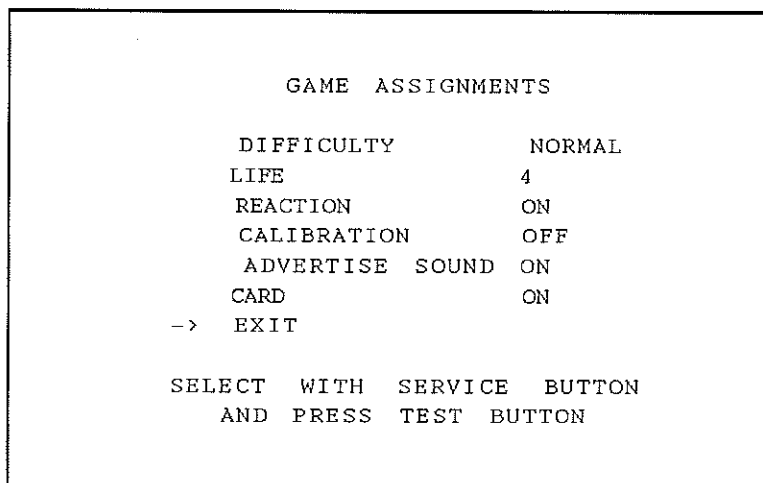
```

PLAYER 1 START LAMP: Lights up the 1P START button.
PLAYER 2 START LAMP: Lights up the 2P START button.
PLAYER 1 HALOGEN LAMP: Lights up the 1P halogen lamp.
PLAYER 2 HALOGEN LAMP: Lights up the 2P halogen lamp.
PLAYER 1 HOLDER LAMP: Lights up the 1P holder lamp.
PLAYER 2 HOLDER LAMP: Lights up the 2P holder lamp.
PLAYER 1 GUN REACTION: Vibrates the 1P gun.
PLAYER 2 GUN REACTION: Vibrates the 2P gun.
COIN LED: Lights up the coin slot LED.
EXIT: Returns to the Game Test Menu.

Move the cursor to EXIT and press the TEST Button to return to the Game Test Menu Screen.

6.2.3. GAME ASSIGNMENTS

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



Perform the following settings for each item.

DIFFICULTY: Choose the difficulty level of the game from EASY, NORMAL and HARD. The product is shipped with the default set at NORMAL.

LIFE: Choose the amount of life given for players starting a new game between 1 and 7. If the amount of damage sustained in the game equals this number, the game will be over. (Default: 4)

Note that these settings will not affect the appearance of the life gauge to the player. (refer to the "Life" section in "GAME RULES AND GAMEPLAY" for more information)

REACTION: Turn the gun controller vibration ON and OFF. (Default: ON)

CALIBRATION: Turn the initial gun controller calibration screen ON and OFF (Default: OFF).

ADVERTISE SOUND: Turn sounds ON and OFF during the demo screen (Default: ON).

CARD: Choose whether or not to use IC Cards.
(In the U.S.A., the default is OFF, but elsewhere it is ON)

EXIT: Confirm the setting changes and return to the Game Test Menu.

Changes to settings are not enabled until Test Mode is exited. After changing settings, be sure to exit Test Mode.

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

6.2.4. GUN ADJUSTMENT

Select GUN ADJUSTMENT to display the following screen.

This screen allows you to adjust the gun using the five calibration targets (TOP, LEFT, CENTRE, RIGHT, BOTTOM). Use each target to calibrate as follows.

Use the standard gun controller, carefully aim at the correct target and pull the trigger to calibrate the value. Select between the calibration targets with the 1P and 2P START buttons or SERVICE button.

GUN ADJUSTMENT					
PLAYER 1			PLAYER 2		
-> TOP	5	233	-> TOP	5	233
LEFT	-318	17	LEFT	-318	17
CENTER	-10	15	CENTER	-10	15
RIGHT	242	34	RIGHT	242	34
BOTTOM	-10	-204	BOTTOM	-10	-204
DEFAULT			DEFAULT		
CANCEL			CANCEL		
CURSOR			CURSOR		
SELECT WITH SERVICE BUTTON AND PULL TRIGGER PRESS TEST BUTTON TO EXIT					

Details for each item are as follows.

TOP x y: Set the TOP value.

The number on the left (x) is the horizontal component, and the number on the right (y) is the vertical component. Aim the controller at the TOP target (circle) and pull the trigger to set the value. This will not affect horizontal calibration.

LEFT x y: Set the LEFT value.

The number on the left (x) is the horizontal component, and the number on the right (y) is the vertical component. Aim the controller at the LEFT target and pull the trigger to set the value. This will not affect vertical calibration.

CENTRE x y: Set the CENTRE value.

The number on the left (x) is the horizontal component, and the number on the right (y) is the vertical component. Aim the controller at the CENTRE target and pull the trigger to set the CENTRE value.

RIGHT x y: Set the RIGHT value.

The number on the left (x) is the horizontal component, and the number on the right (y) is the vertical component. Aim the controller at the RIGHT target and pull the trigger to set the RIGHT value. This will not affect vertical calibration.

BOTTOM x y: Set the **BOTTOM** value.

The number on the left (x) is the horizontal component, and the number on the right (y) is the vertical component. Aim the controller at the **BOTTOM** target and pull the trigger to set the value. This will not affect horizontal calibration.

DEFAULT: Restore calibration values to original settings.

CANCEL: Restore calibration values to previous settings.

CURSOR: Select **CURSOR** and aim the controller at the screen to display a round cursor (blue for 1P, red for 2P) where the controller hits the screen. Use this cursor to check calibration.

OUT OF SCREEN: Displays "OUT OF SCREEN" when the controller is pointed outside the screen. Values cannot be set when the controller is out of screen.

Changes to settings are not enabled until the Test Mode is exited. After changing settings, be sure to exit Test Mode.

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

6.2.5. CARD READ/WRITE TEST (not fitted)

Select CARD READ/WRITE TEST to display the following screen with testing options for the reading and writing of IC Cards. Use this screen regularly to test the functionality of the machine.

First, insert an IC Card into the slot, then press the SERVICE button to choose the item for testing. When the cursor is on the desired item, press the TEST Button.

If reading/writing was carried out successfully, "OK" will be displayed on the screen.

```

                                CARD READ/WRITE TEST

      PLAYER 1                PLAYER 2
->  READ      ----  READ      ----
    WRITE      ----  WRITE      ----
    EJECT
      INSERT CARD          INSERT CARD

      SELECT WITH SERVICE BUTTON
      AND PRESS TEST BUTTON

      PRESS TEST AND SERVICE BUTTON TO EXIT

```

READ: Perform a read test on the inserted IC Card.

WRITE: Perform a write test on the inserted IC Card.

EJECT: Eject the IC Card.

Press the SERVICE and TEST Buttons simultaneously to return to the Game Test Menu Screen.

6.2.6. CLOSE SETTING

Select CLOSE SETTING to display the following screen with a list of store closing time settings. When only 30 minutes is left until the set closing time, it will no longer be possible to use an IC Card to start the game.

CLOSE SETTING		
->	SCHEDULE TYPE	WEEK
		CLOSE
	SUN	00:00
	MON	00:00
	TUE	00:00
	WED	00:00
	THU	00:00
	FRI	00:00
	SAT	00:00
	EXIT	

SELECT WITH SERVICE BUTTON
AND PRESS TEST BUTTON

SCHEDULE TYPE: Choose between OFF(no closing time settings), EVERYDAY (same closing time everyday) and WEEK (same closing times every week) (Default: OFF)

EVERYDAY: The time the store closes everyday.

SUN: The time the store closes on Sundays.

MON: The time the store closes on Mondays.

TUE: The time the store closes on Tuesdays.

WED: The time the store closes on Wednesdays.

THU: The time the store closes on Thursdays.

FRI: The time the store closes on Fridays.

SAT: The time the store closes on Saturdays.

EXIT: Returns to the Game Test Menu.

Move the cursor to EXIT and press the TEST Button to return to the Game Test Menu Screen.

6.2.7. BOOKKEEPING

Select BOOKKEEPING on the Game Test Menu screen to display the three screens of operating status data.

Press the TEST Button on the BOOKKEEPING 1/3 and BOOKKEEPING 2/3 screens to move to the second and third (BOOKKEEPING 3/3) screens. Press the TEST Button in the third screen to return to the Game Test Menu Screen.

BOOKKEEPING		1/3
COIN CHUTE #1		0
COIN CHUTE #2		0
TOTAL COINS		0
COIN CREDITS		0
SERVICE CREDITS		0
TOTAL CREDITS		0
PRESS TEST BUTTON TO CONTINUE		

The display items for the screen (Page 1 of 3) are as follows.

- COIN CHUTE #1: The number of coins inserted into Coin Slot 1.
- COIN CHUTE #2: The number of coins inserted into Coin Slot 2.
- TOTAL COINS: The total number of coins inserted into the coin slots.
- COIN CREDITS: The number of credits for the coins inserted.
- SERVICE CREDITS: The number of credits input by the SERVICE Button.
- TOTAL CREDITS: Total credits from coins and the SERVICE Button

Press the TEST Button to display the next screen.

BOOKKEEPING		2/3
NUMBER OF GAMES		3
NUMBER OF GAME START		3
NUMBER OF GAME JOIN		0
NUMBER OF CONTINUE		0
TOTAL TIME	0D 0H10M49S	
PLAY TIME	0D 0H 1M55S	
LONGEST PLAY TIME	0H 1M24S	
SHORTEST PLAY TIME	0H 0M14S	
AVERAGE PLAY TIME	0H 0M38S	
PRESS TEST BUTTON TO CONTINUE		

The display items for the screen (Page 2 of 3) are as follows.

- NUMBER OF GAMES: The total number of games played.
- NUMBER OF GAME START: Number of games started.
- NUMBER OF GAME JOIN: Number of times game has been joined in-progress.
- NUMBER OF CONTINUE: Number of times game has been continued.
- TOTAL TIME: The amount of time the unit has been in operation.
- PLAY TIME: The sum of 1P's time played and 2P's time played.
- LONGEST PLAY TIME: The longest play time for one game.
- SHORTEST PLAY TIME: The shortest play time for one game.
- AVERAGE PLAY TIME: The average amount of time played per game.

Press the TEST Button to display the next screen (Page 3 of 3).

BOOKKEEPING			3/3		
0M	00S	~	0M	29S	2
0M	30S	~	0M	59S	0
1M	00S	~	1M	29S	1
1M	30S	~	1M	59S	0
2M	00S	~	2M	29S	0
2M	30S	~	2M	59S	0
3M	00S	~	3M	29S	0
3M	30S	~	3M	59S	0
4M	00S	~	4M	29S	0
4M	30S	~	4M	59S	0
5M	00S	~	5M	29S	0
5M	30S	~	5M	59S	0
6M	00S	~	6M	29S	0
6M	30S	~	6M	59S	0
7M	00S	~	7M	29S	0
7M	30S	~	7M	59S	0
8M	00S	~	8M	29S	0
8M	30S	~	8M	59S	0
9M	00S	~	9M	29S	0
9M	30S	~	9M	59S	0
	OVER		10M	00S	0
PRESS	TEST	BUTTON	TO	EXIT	

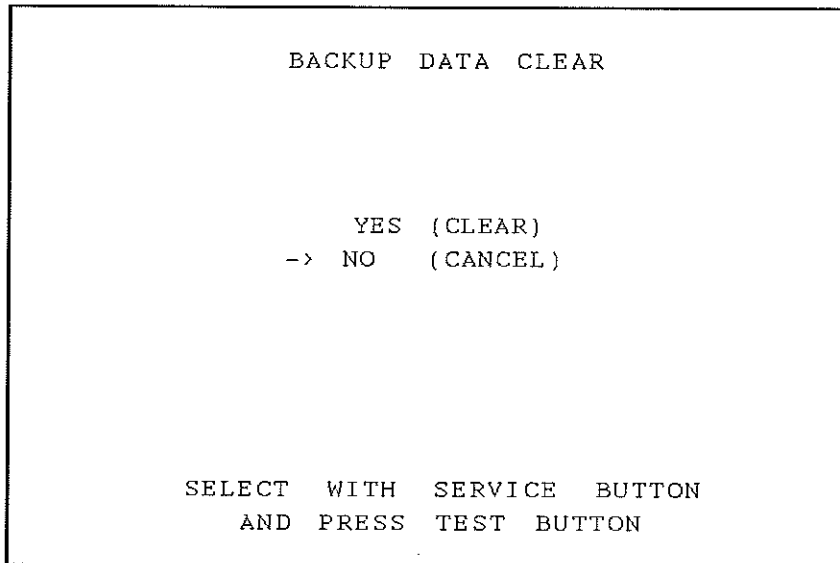
PLAY TIME HISTOGRAM shows the number of plays and the respective play times. This histogram should be referred to when setting the Game Difficulty.

This displays play times on a scale from 0M00S to 9M59S with 30-second intervals. All play times over ten minutes are included in the item OVER 10M00S.

Press the TEST Button after viewing. You will return to the Game Test Menu Screen.

6.2.8. BACKUP DATA CLEAR

Select BACKUP DATA CLEAR to clear the contents of BOOKKEEPING, ranking data and coin/credit data.



To clear data, use the SERVICE Button to move the cursor to YES (CLEAR) and then press the TEST Button. When the data has been cleared, the message "COMPLETED" will be displayed.

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

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

Note that this operation does not affect GAME ASSIGNMENTS or GUN ADJUSTMENT settings.

7. CONTROL UNIT (GUN CONTROLLER)



- In order to prevent any electric shocks or short circuits, be sure to turn the power off before performing any work that involves touching the interior parts of the product.
- Be careful not to damage the wires. Damaged wires may cause electric shocks or short circuits, or present a risk of fire.
- Be very careful when soldering. Handling a soldering iron carelessly may result in a fire or a burn.



- When securing the plastic-made parts, do not excessively fasten screws and nuts. Failure to do this may damage the parts, and fragments resulting from damage may cause injury.
- When reassembling the Gun Controller, be sure to check the connecting portion and the trigger, etc. If the reassembly work is insufficient and/or incorrect, fingers may be caught and result in injury.
- The solenoid on the Control Unit (Gun Controller) may become hot. Take care as there is a risk of accidental burns.



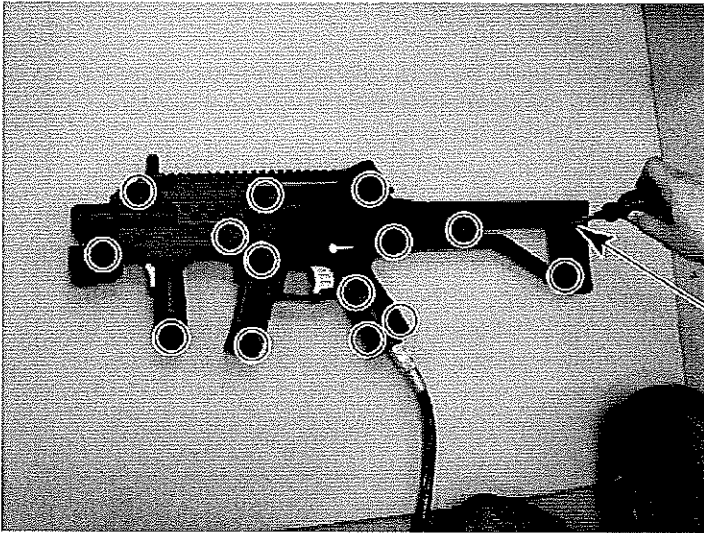
- Do not cut the tie belt securing the wires in the Control Unit (Gun Controller). Cutting the tie belt may cause malfunctioning of the wire connection. If you cut the tie belt when replacing the wire etc., be sure to secure the wires using a new tie belt as before.
- Follow these directions carefully to avoid damaging or losing small parts.

In cases where the gun's operation is unsatisfactory or the gun sight deviates from the direction in which the control unit is pointed, the gun's interior parts may have been damaged. Replace the parts by disassembling the gun with the procedure described below. Also, be sure to perform a sighting check in the test mode when the gun parts are replaced.

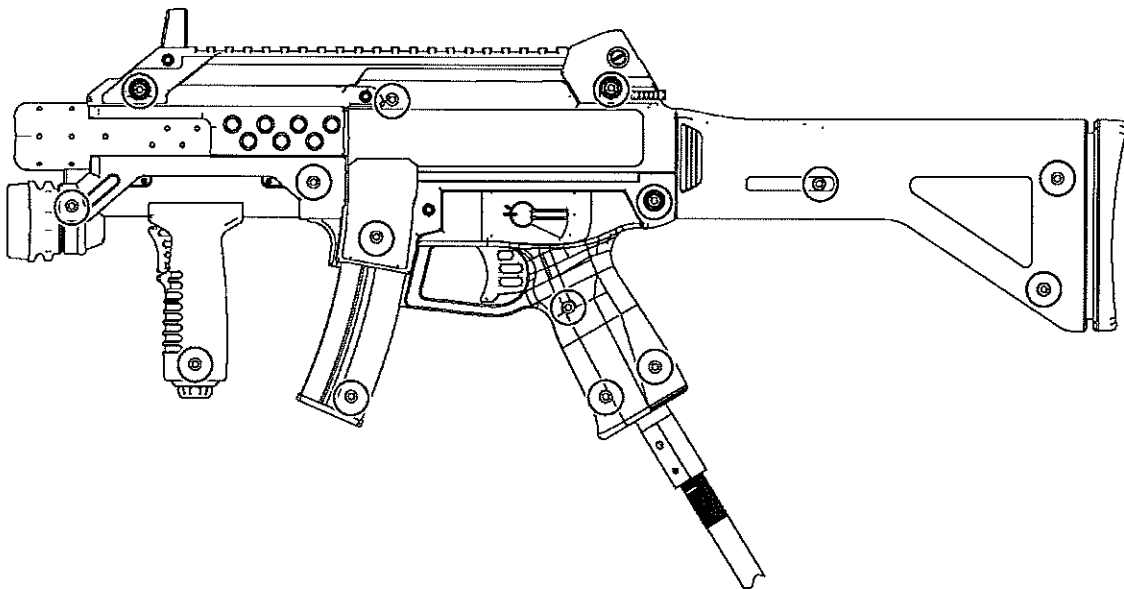
7.1. REPLACING THE MICROSWITCH

To replace the Gun Controller's internal components, first separate the left shell (Cover L) and right shell (Cover R). The controller's internal components are mounted on the right shell, so work with the gun lying on its right side. To replace the Shot Selector button microswitch, first remove the Shot Selector button from the right shell.

1. Turn power off.
2. Remove the 15 screws to separate the two shells.



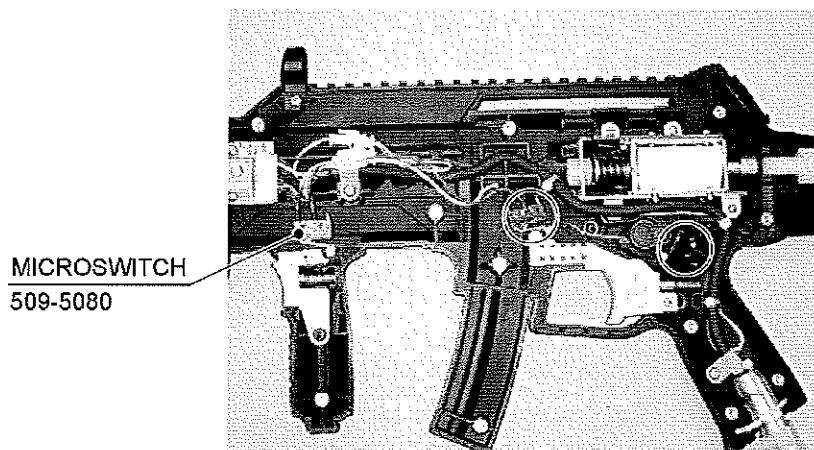
SCREW BLACK (15)
M3 X 12 W/SMALL FLAT AND SPRING WASHER



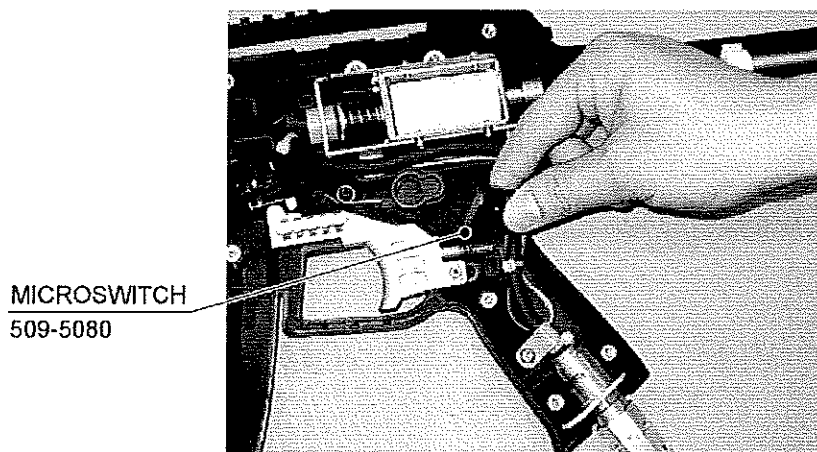
3. With the right shell lying flat, carefully lift the left shell from the right shell.



4. Remove the microswitch to be replaced from Cover R. There are a total of three microswitches.

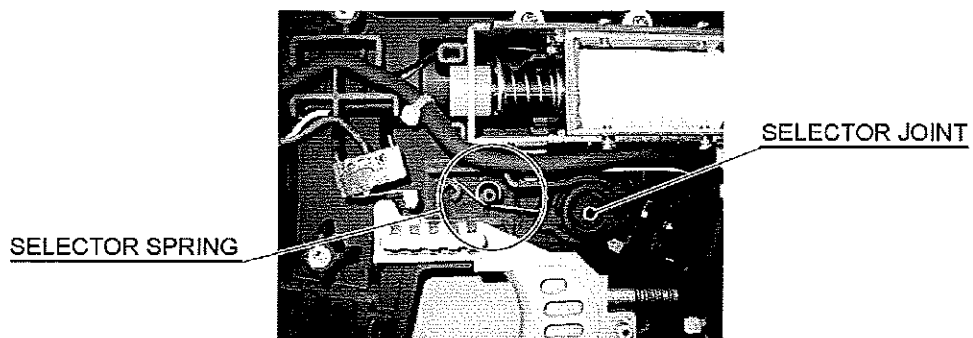
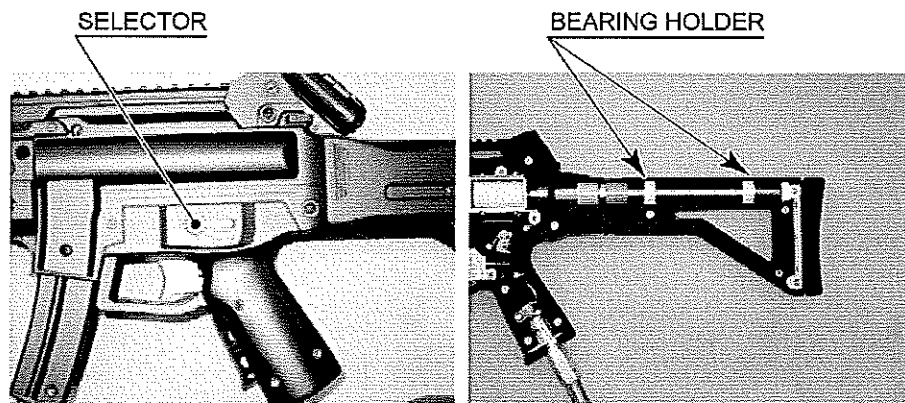
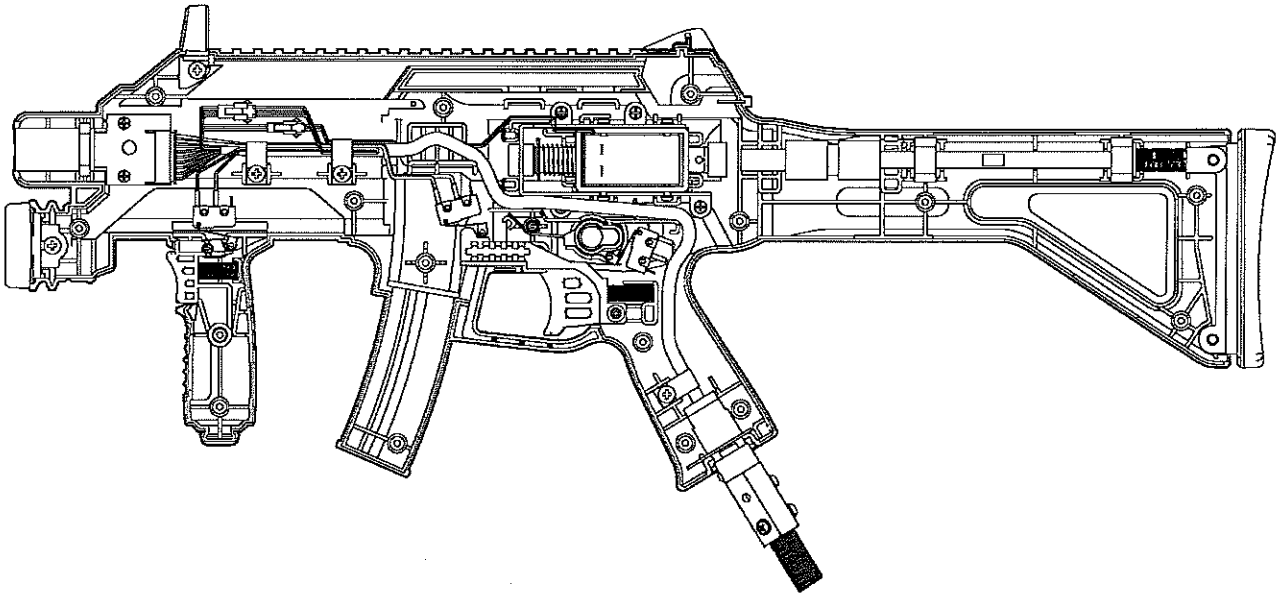


5. Remove the soldering to take out the microswitch.

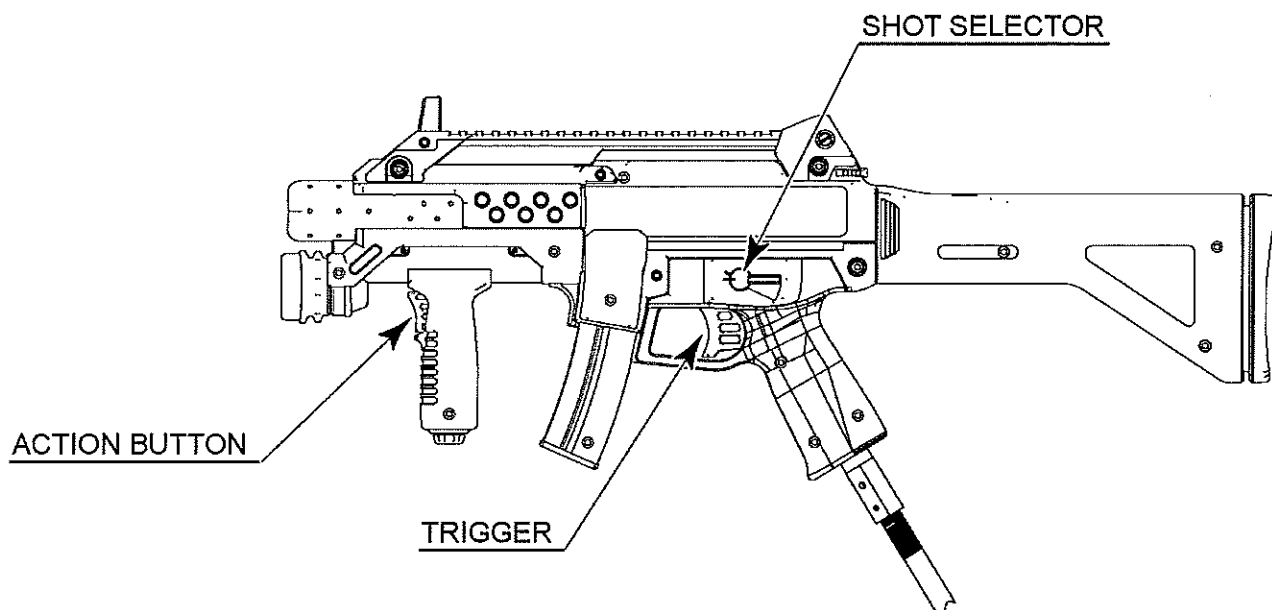


6. Solder the new microswitch in place to reconstruct the gun controller. When performing this step, verify the points listed below before reattaching Cover L and Cover R.

- The wires and connectors are laid out correctly in Cover R.
- The bearing holder is securely in place when the pad assembly spring is compressed.
- The selector is laid out horizontally.
- The selector joint and selector spring are set properly.



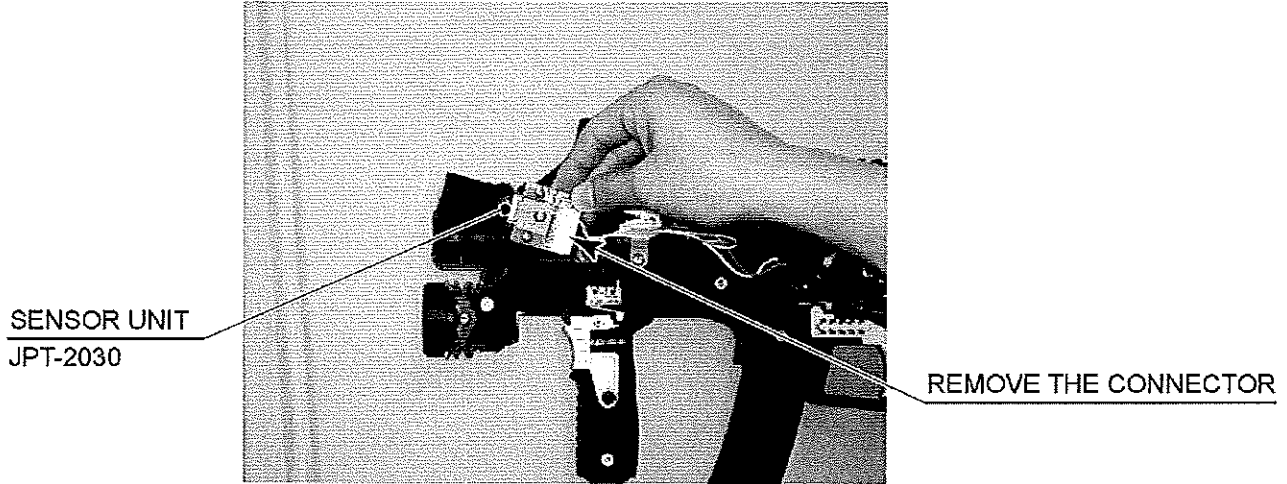
7. Operate the TRIGGER, SHOT SELECTOR and ACTION buttons to make sure that the microswitches turn ON/OFF correctly.



8. After replacement, perform an INPUT TEST, referring to the instructions in "Game Test Mode".

7.2. REPLACING THE SENSOR UNIT

1. Follow instructions 1 - 3 of "Replacing the Microswitch" to remove the cover L.
2. Remove the connector to replace the sensor unit.

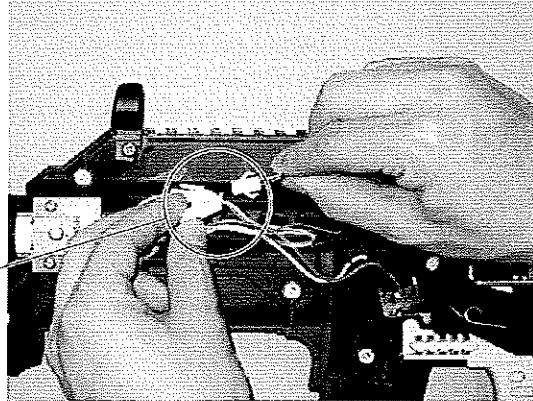


3. Refer to the previous item, then attach COVER R while being careful of each of the parts.
4. After replacement, perform a GUN ADJUSTMENT, referring to the instructions in "Game Test Mode".

7.3. REPLACING THE SOLENOID

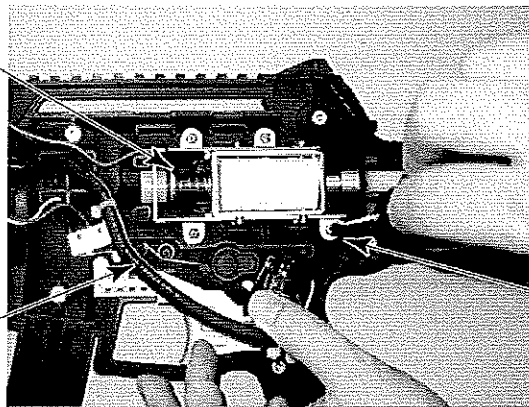
1. Follow instructions 1 - 3 of "Replacing the Microswitch" to remove the cover L.
2. Remove the 2P connector, wire and 4 screws to take off the solenoid assembly.

REMOVE THE CONNECTOR



SOLENOID ASSEMBLY

WIRE



SCREW (4)

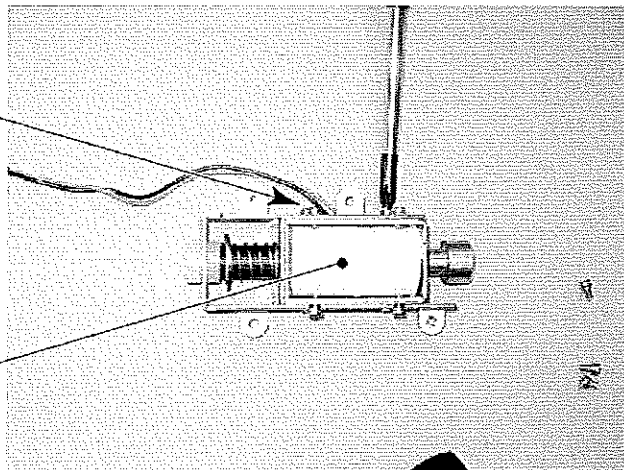
M3 X 6 W/SPRING WASHER

3. Remove the 8 screws and replace the solenoid.

SCREW (8)

M3 X 6 W/SPRING WASHER

SOLENOID



4. Secure the solenoid assembly with 4 screws and replace the connector. When doing this, make sure not to damage the wiring.
5. Refer to the previous item, then attach COVER R while being careful of each of the parts.
6. After replacement, perform an OUTPUT TEST, referring to the instructions in "Game Test Mode".

8. TROUBLESHOOTING

8.1. PROBLEMS NOT INVOLVING THE GAME BOARD

In case a problem occurs, first check wiring connector connections.



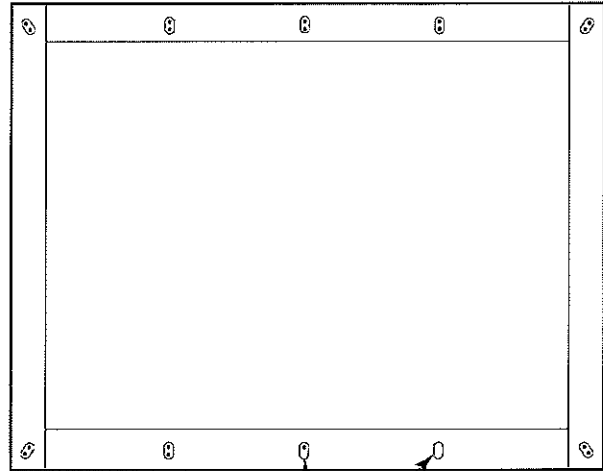
- In order to prevent electric shock and short circuit, be sure to turn power off before performing work.
- Be careful not to damage the wires. Damaged wires may cause electric shock or short circuit or present a fire risk.
- After removing the cause of the functioning of the Circuit Protector, reinstate the Circuit Protector. Depending on the cause of the functioning, using the Circuit Protector as is without removing the cause can cause generation of heat and fire hazard.

PROBLEMS	CAUSE	COUNTERMEASURES
With Main SW ON, no activation.	Power is not supplied.	Securely insert the power plug into the plug socket.
	Power supply/voltage is not correct.	Make sure that power supply/voltage is correct.
	The Circuit Protector functioned due to the momentary overload.	After eliminating the cause of overload, reinstate the AC Unit's Circuit Protector (see below).
The colour on screen is incorrect.	Image adjustment is inappropriate.	Adjust appropriately
Colour deviation on screen.	Affected by peripheral machines or the building's steel frames.	Perform degauss adjustment
		Change installation direction or position.
		Move the machine which causes the problem.

PROBLEMS	CAUSE	COUNTERMEASURES
No sound is emitted. Control Unit sighting is not satisfactory.	Sound volume adjustment is not appropriate.	Adjust sound volume (see Sec. 6).
	Board and amplifier malfunctioning	Perform the sound test and confirm (see Sec. 6).
During game play, the control unit is not operable for shooting. The operation of the ACTION button and SHOT SELECTOR are unsatisfactory. The gun controller does not vibrate. The FL does not light up. The lamp does not light up.	Sights are not aligned due to changes in the surrounding environment.	Perform sighting adjustment in the test mode (see Sec. 6).
	LED board malfunctioning.	Check to ensure that the LED lights up. If it does not light up, replace (see next page).
	Sensor unit malfunctioning	Replace the sensor unit (see Sec. 7).
	LED board and LED board cover are contaminated.	Wipe off soiled surfaces (see next page).
	Fuse on the connector board has blown due to a momentary electrical overload.	Fix the source of the overload, then replace the fuse. <Fuse: 250V 200mA, 514-5086-200> (see Sec. 8)
No sound is emitted. Control Unit sighting is not satisfactory.	LED board malfunctioning	If does not light up, replace (see next page).
	Sensor board malfunctioning	Replace the sensor board.
	Fuse on the connector board has blown due to a momentary electrical overload.	Fix the source of the overload, then replace the fuse. <Fuse: 250V 200mA, 514-5086-200> (see Sec. 8)
During game play, the control unit is not operable for shooting.	Microswitch malfunctioning	Check that the switches turn off and on using test mode. Replace the switch if it does not operate (see Sec. 7).
The operation of the ACTION button and SHOT SELECTOR are unsatisfactory. The gun controller does not vibrate.	Solenoid is broken.	Replace the solenoid (see Sec. 7).
	Fuse on the connector board has blown due to a momentary electrical overload.	Fix the source of the overload, then replace the fuse. <Fuse: 250V 200mA, 514-5086-200> (see Sec. 8)
The FL does not light up.	The FL has burnt out.	Replace the fluorescent light.
The lamp does not light up.	Lamp has burnt out.	Replace the lamp.
Control Unit sighting is not satisfactory. During game play, the control unit is not operable for shooting.	Connector is not connected properly.	Clean the IC card unit
	IC card unit is dirty.	Contact your supplier
	IC card unit is broken.	Clear out the foreigner matter
The operation of the ACTION button and SHOT SELECTOR are unsatisfactory.	Foreign matter has entered the reader/writer.	Adjust sound volume

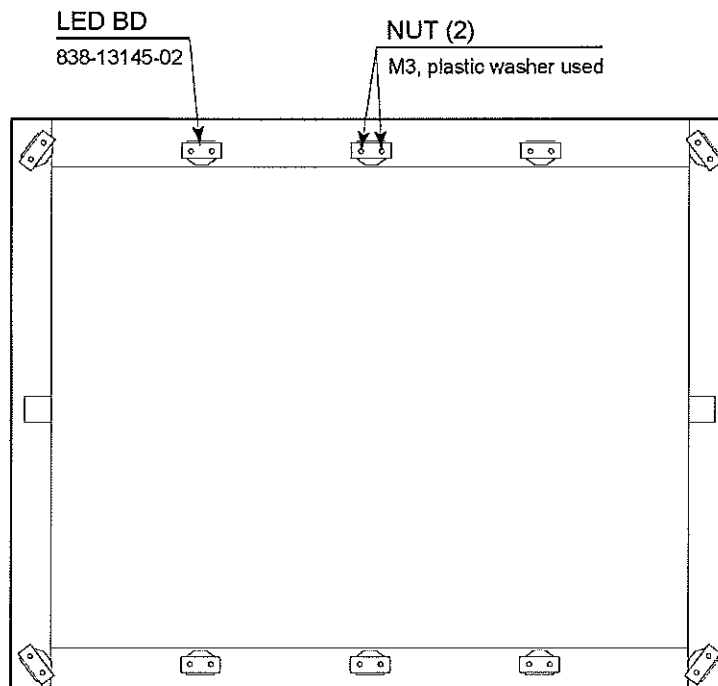
8.1.1. REPLACING THE LED BD

In case two of LEDs do not emit light, failure and malfunctioning may be considered. Replace in the following procedure. When removing surface soils, also use the following procedure.



Replace if the light emission
from the 2 LEDs cannot be seen

1. Turn the power off.
2. By referring to Section **Error! Reference source not found.**, demount the PTV from Cabinet DX.
3. By referring to Section **Error! Reference source not found.**, remove the Mask from the PTV.
4. The Mask has the LED Board. Disconnect the Connectors from both ends of LED Board, remove 2 U Nuts, take out and replace the LED Board. At this time, pay attention to the direction of the LED Board, and install it.
5. After replacing the LED Board, be sure to perform sighting check according to the test mode of Section 9.



8.1.2. REPLACING THE GUN SENSOR FUSES

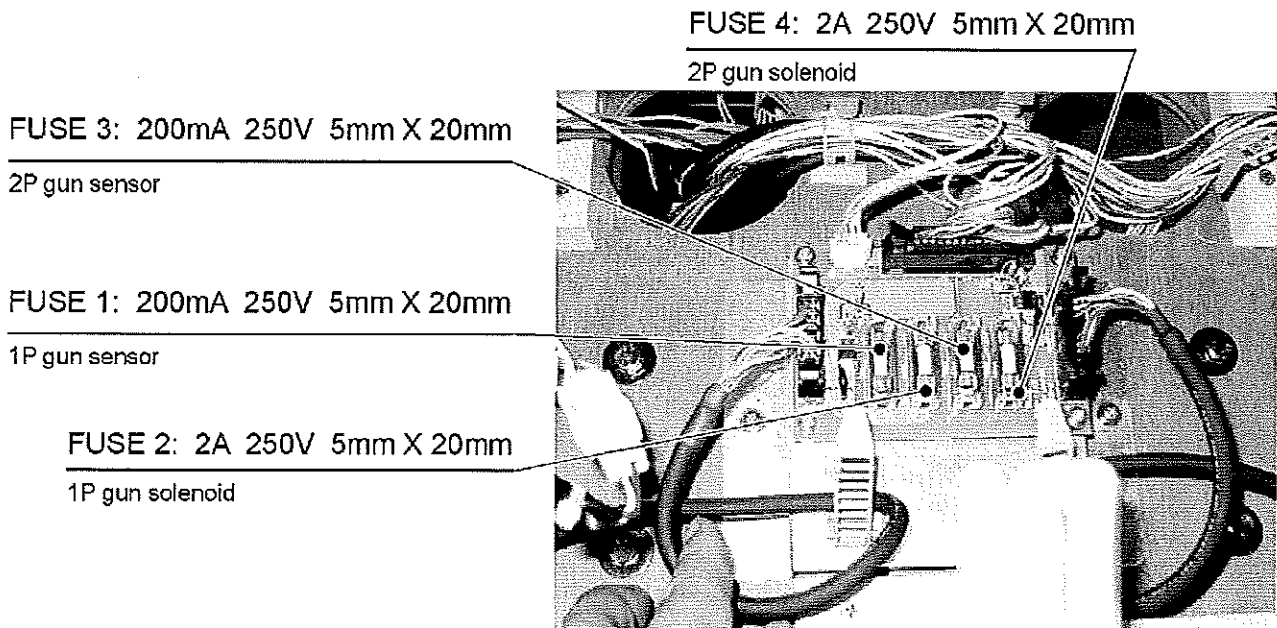


- Fuse replacements other than those specified can cause accidents and are strictly forbidden. In case fuse replacements other than those stated in this manual are necessary, contact where you purchased the product from for inquiries regarding this matter.
- To prevent accidents due to electrical shock, always turn the power off and disconnect the power plug from the power outlet before performing any task that involves touching the interior of the product.
- Be careful not to damage the wires. Damaged wires may cause electric shock, short circuit or present a risk of fire.
- Be sure to use fuses meeting the specified rating. Using fuses exceeding the specified rating can cause fire and electric shock accidents.
- After eliminating the cause of a blown fuse, replace the fuse. Depending on the cause of the fuse blow, continued use with the blown fuse can cause generation of heat and present a risk of fire.
- There is a risk of burns due to heat of the globe-shaped fluorescent light. Take the appropriate precautions when you are replacing the light.

7. Turn the power off.

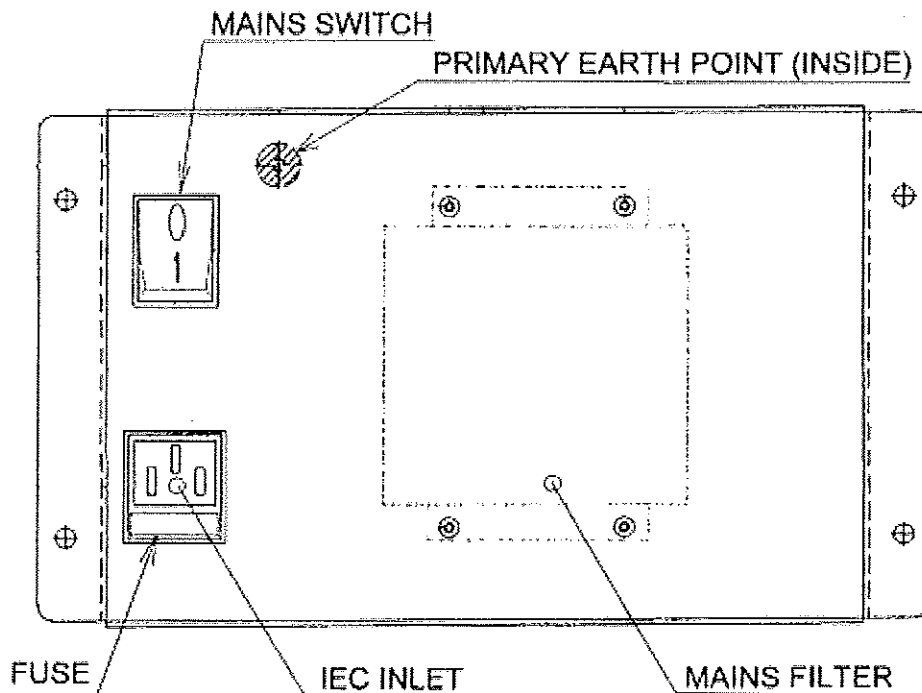
8. Undo the 4 screws using the supplied L-wrench and remove the instruction panel.

9. Replace the fuse. There are 200mA (for the sensors) and 2A (for the solenoids) fuses.



8.1.3. REPLACING THE MAIN FUSE

The main fuse is located on the main fuse is located within the "ASSY AC BKT" (Part No Pre-1710UK).



The fuse is a 6.3Amp 250v (32mm x 6.3mm) Ceramic Fuse and must only be replaced with the same type

8.2. ERROR CODES



- If an error code is displayed, have a Location's Maintenance Man or Serviceman resolve it. If someone without specialized or technical knowledge attempts to rectify the problem, electric shock, short circuits or fire may result. If there is no store maintenance person or technician available, turn the power OFF immediately, and contact your retailer or the office listed in this manual.
- If problems other than those noted in this manual occur, or the countermeasures suggested result in no improvement, do not try to rectify the problem by other means. Turn the power OFF immediately, and contact your retailer or the office listed in this manual. Careless countermeasures can result in unexpected accidents.



- If error No. 20 is generated, the power must be turned OFF and ON again in order to clear it.
- When requesting replacement or repair of the Game Board or Media Board, put the board in the special purpose packing box specified in this manual for transportation.

Chihiro displays error messages on the screen to indicate various problems.

If an error message is displayed, the game cannot be started. In this case, refer to the following section on causes and countermeasures.

In the text for this product below, "Media Board" and "DIMM" are one and the same.

Error 02

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 02

Main board malfunctioning.

MAIN BOARD is inoperative.

Verify that the MAIN BOARD is connected properly.

Error 03

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]
the MAIN BOARD for repair.

Error 03

Bad serial number on main board.

Unable to read MAIN BOARD serial ID.

Disconnect the MEDIA BOARD from the MAIN BOARD and send

Error 04

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]
the Chihiro for repair.

Error 04

Bad serial number on media board.

Unable to read MEDIA BOARD serial ID.

With the MEDIA BOARD still attached to the MAIN BOARD, send

Error 05

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 05

This game is not acceptable by main board.

The game is a foreign edition.

Use the domestic version of the game.

Error 11

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 11

JVS I/O board is not connected to main board.

(1)I/O BOARD is not connected.

(2)Unreliable connection between MAIN BOARD and I/O BOARD.

(1)Connect the I/O BOARD to the MAIN BOARD.

Verify that the power cable is connected to I/O BOARD.

(2)Reconnect or replace the JVS CABLE that connects the I/O BOARD to the MAIN BOARD.

Error 12

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 12

JVS I/O board does not fulfil the game spec.

Correct I/O BOARD is not connected.

Use an I/O BOARD that provides the proper input/output for the game.

Error 14

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 14

Network firmware version does not fulfil the game Spec.

Required version XX.XX.

The firmware version installed on either the NETWORK BOARD or the DIMM MEDIA BOARD is older than the required version.

Use a NETWORK BOARD or DIMM MEDIA BOARD with firmware that meets or exceeds the required version.

Error 21

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 21

This game is not acceptable by main board.

Game data loaded from the GD-ROM to the DIMM BOARD is corrupted.

Verify the GD-ROM DRIVE and Chihiro connection.

Check the GD-ROM disc for scratches, dust or dirt.

Error 22

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 22

Communication error occurred between main board and media board.

No response from DIMM BOARD to MAIN BOARD.

Ensure that the DIMM BOARD and the GD INTERFACE BOARD are properly connected.

Should the problem persist, the DIMM BOARD or GD INTERFACE BOARD may be damaged.

Error 23

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 23

GD-ROM drive cover is open.

The GD-ROM DRIVE cover is open.

Ensure the GD-ROM DRIVE cover is firmly closed.

Error 24

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 24

GD-ROM is not found.

GD-ROM disc is not found.

Insert the GD-ROM disc correctly.

Verify that the disc is a Chihiro GD-ROM disc.

Check the GD-ROM disc for scratches, dust or dirt.

Error 25

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 25

Cannot access GD-ROM drive.

(1)Unable to access GD-ROM DRIVE.

(2)The GD-ROM DRIVE cover is open.

(1)Verify that the GD CABLE and the power cable are properly connected to the GD-ROM DRIVE.

(2)Close the GD-ROM cover securely.

Should the problem persist, the GD-ROM DRIVE may be damaged.

Error 26

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 26

Media board malfunctioning.

KEY CHIP is not found.

Attach the proper KEY CHIP for the game.

Insert the KEY CHIP securely.

Error 27

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 27

DIMM memory is not enough.

(1)Insufficient DIMM MEMORY on DIMM BOARD.

(2)DIMM MEMORY is not connected securely.

(1)Provide a suitable amount of DIMM MEMORY for the software.

(2)Verify that the DIMM MEMORY is connected securely to the DIMM BOARD.

Error 31

[DISPLAY]

[CAUSE]

BOARD

[COUNTERMEASURES]

Error 31

This game is not acceptable by main board.

The game has not been downloaded into the DIMM MEDIA

from the Server (Hub).

Check the connection between the Server (Hub) and the Chihiro. Make sure that the TEST MODE in the NETWORK SETTING is suitable for the game.

Restart the main power first, and then restart the satellite power once the game appears on the main screen.

Attach the proper KEY CHIP for the game.

Check the internal DIMM BOARD battery is functioning correctly.

Should the problem persist, either the network equipment, the DIMM MEDIA BOARD, or the Server (Hub) may be damaged.

Error 32

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

DIMM BOARD.

Error 33

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 34

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Caution 51

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Caution 52

[DISPLAY]

[CAUSE]

[COUNTERMEASURES]

Error 32

DIMM memory is not enough.

(1)Insufficient DIMM MEMORY on DIMM MEDIA BOARD.

(2)DIMM MEMORY is not connected securely.

(1)Provide a suitable amount of DIMM MEMORY for the software.

(2)Verify that the DIMM MEMORY is connected securely to the

Error 33

Gateway is not found.

The Server (Hub) is not found.

Check the power of the Server (Hub).

Check the NETWORK SETTING for the Chihiro.

Attach the proper KEY CHIP for the game.

Check the connection between the Server (Hub) and the Chihiro.

Should the problem persist, the Server (Hub) may be damaged.

Error 34

Gateway cannot be found.

No connection to the Server (Hub) at startup.

Check the connection between the Server (Hub) and the Chihiro.

Caution 51

Wrong video output setting of horizontal scanning frequency.

The game does not support horizontal sync frequency setting.

Change the DIPSW correctly on the CONNECTOR BOARD.

The monitor must support these frequencies.

Caution 52

Wrong video output setting of horizontal/vertical screen.

The game does not support the vertical/horizontal screen settings.

Change the No. 1 DIPSW on the CONNECTOR BOARD.

ON is for vertically placed monitor screens, OFF is for horizontally placed monitor screens.

Change the monitor placement from vertical to horizontal or vice versa if necessary.

9. COIN MECH INSTALLATION AND CREDIT BOARD SET UP

9.1. INTRODUCTION

Game credits between the Coin Mechanism and the game board for this machine are controlled by a VTS 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.

SW1 is used to set the currency (or coin ratio) and SW3 the price of play. Refer to the Tables on the following pages for the correct settings for your environment.

The VTS board pictured below is mounted in the Coin Chute Tower.

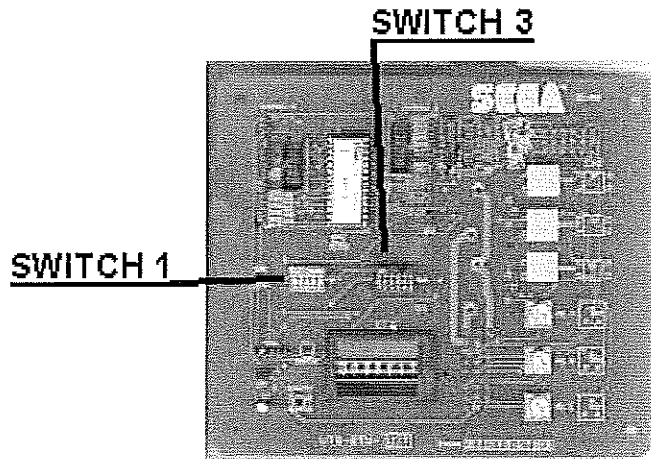
The VTS board is connected to the coin validator and lamps via a dedicated wiring harness depending upon the coin validator used:

Wiring Harness	Validator	
LM1006	Money Controls	(15 way connector)
LM1007	Mars	(13 way connector)
LM1008	Mechanical	See note 2
N/A	NRI	See note 1

Notes

1. If NRI mechanisms 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 VTS board should be then be set up for either the UK or Euro settings.
2. Mechanical coin mechanisms may be connected in parallel allowing two identical mechanisms to be fitted.

The VTS Board



Credit Board Mode Settings Switch 3																			
Country	Setting	Switch 3 Setting						Coin Validator Programming											
		SW1	SW2	SW3	SW4	SW5	SW6	COIN1	COIN2	COIN3	COIN4	COIN5	COIN6	COIN7	COIN8	COIN9	COIN10	COIN11	COIN12
UK	Coin Controls C220 Parallel	OFF	OFF	OFF	OFF			£1	50p new	20p	10p	-	50p old	-	-				
UK	Coin Controls C220 Binary	ON	OFF	OFF	OFF			£1	50p new	20p	10p	-	50p old	-	£2				
UK	Coin Controls C220 Binary	OFF	ON	OFF	OFF			£1	50p new	20p	10p	-	£2	-	50p old				
UK	Coin Controls SR3 Parallel	ON	ON	OFF	OFF			£1	50p new	20p	10p	-	£2	-	50p old	-	-	-	-
UK	Coin Controls SR3 Parallel	OFF	OFF	ON	OFF			£2	£1	50p new	20p	10p	-	-	-	50p old	-	-	-
Euro	Coin Controls SR3 Parallel	OFF	OFF	ON	OFF			€2	€1	50p new	20p	10p	10p	10p	-	-	-	-	-
UK	Mars ME/MS 111 Parallel	ON	OFF	ON	OFF			£1	£2	20p	10p	50p new	50p old						
UK	NRI Parallel	OFF	ON	ON	OFF			10p	20p	50p	£1	£2	-						
Belgium	Parallel	ON	ON	ON	OFF			-	50Bfr	20Bfr	5Bfr								
Holland	Parallel	OFF	OFF	OFF	ON			-	5NLG	2.5NLG	1NLG								
Austria	SR3 Parallel	ON	OFF	OFF	ON			20Sch	10Sch	5Sch	1Sch								
Spain	Coin Controls C220 Binary	OFF	ON	OFF	ON			500Pta	200Pta	100Pta	50Pta	25Pta	200Pt old	50Pta old	25Pta old				
Spain	SR3/NRI Parallel	ON	ON	OFF	ON			500Pta	200Pta	100Pta	50Pta	25Pta	-	-	200Pta	-	50Pta old	25Pta old	-
Spain	Coin Controls C220 Parallel	OFF	OFF	ON	ON			100Pta	50Pta new	-	25Pta new	-	50Pta old	-	25Pta old				
Portugal Euro	Parallel	ON	OFF	ON	ON			200Es	100Es	50Es	-	-	-	-	-				
	TBA					OFF		TBA											
	Channels					ON		TBA											
						OFF		Direct Mode											
						ON		2 channel Mode											

Please Note
The credit board automatically sets the validator for parallel and binary operation through an output on pin 8 of the 17 way pinstrip. For the feature to work it is necessary for the validator interconnecting cable to include at wire at this position

- Note: These switch settings are under constant review and may change due to world currency updates.
- Set SW 1 according to the option settings found in the relevant Price of Play Settings Table on the following pages.
 - For Germany (DM), France (Fr) & Switzerland (SFr), use the appropriate existing setting shown above (from another country) that matches the coin ratios programmed into your coin mech.
 - Set SW 3 on the VTS /Excel board as shown in the table above corresponding to the country required.

9.1.1. PRICE OF PLAY SETTINGS UK

	Price	Bonus			DIL Switch 1				
					Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
1	10p	No Bonus			OFF	OFF	OFF	OFF	OFF
2	10p	6 = 50p			ON	OFF	OFF	OFF	OFF
3	20p	No Bonus			OFF	ON	OFF	OFF	OFF
4	20p	3 = 50p	6 = £1	12 = £2	ON	ON	OFF	OFF	OFF
5	30p	No Bonus			OFF	OFF	ON	OFF	OFF
6	30p	1.66 = 50p	4 = £1	8 = £2	ON	OFF	ON	OFF	OFF
7	30p	2 = 50p	4 = £1		OFF	ON	ON	OFF	OFF
8	30p	AMLD *	3 = £1	6 = £2	ON	ON	ON	OFF	OFF
9	40p	No Bonus			OFF	OFF	OFF	ON	OFF
10	40p	1.25 = 50p	3 = £1	6 = £2	ON	OFF	OFF	ON	OFF
11	50p	No Bonus			OFF	ON	OFF	ON	OFF
12	50p		3 = £1	6 = £2	ON	ON	OFF	ON	OFF
13	50p		2 = £1	5 = £2	OFF	OFF	ON	ON	OFF
14	60p	No Bonus			ON	OFF	ON	ON	OFF
15	60p		2 = £1	4 = £2	OFF	ON	ON	ON	OFF
16	80p	No Bonus			ON	ON	ON	ON	OFF
17	80p	1.25 = £1	2 = £1.50	2.5 = £2	OFF	OFF	OFF	OFF	ON
18	£1	No Bonus			ON	OFF	OFF	OFF	ON
19	£1		3 = £2		OFF	ON	OFF	OFF	ON
20	£1		2 = £2	5 = £4	ON	ON	OFF	OFF	ON
21	£1.50	No Bonus			OFF	OFF	ON	OFF	ON
22	£1.50		2 = £2		ON	OFF	ON	OFF	ON
23	£2	No Bonus			OFF	ON	ON	OFF	ON
24	£2			3 = £5	ON	ON	ON	OFF	ON
25	£3	No Bonus			OFF	OFF	OFF	ON	ON
26	£3			2 = £5	ON	OFF	OFF	ON	ON
27	£5	No Bonus			OFF	ON	OFF	ON	ON
28	£5			3 = £10	ON	ON	OFF	ON	ON
29	£7.50	No Bonus			OFF	OFF	ON	ON	ON
30	£7.50			2 = £10	ON	OFF	ON	ON	ON
31	£10	No Bonus			OFF	ON	ON	ON	ON
32	Free Play				ON	ON	ON	ON	ON

9.1.2. PRICE OF PLAY SETTINGS EURO

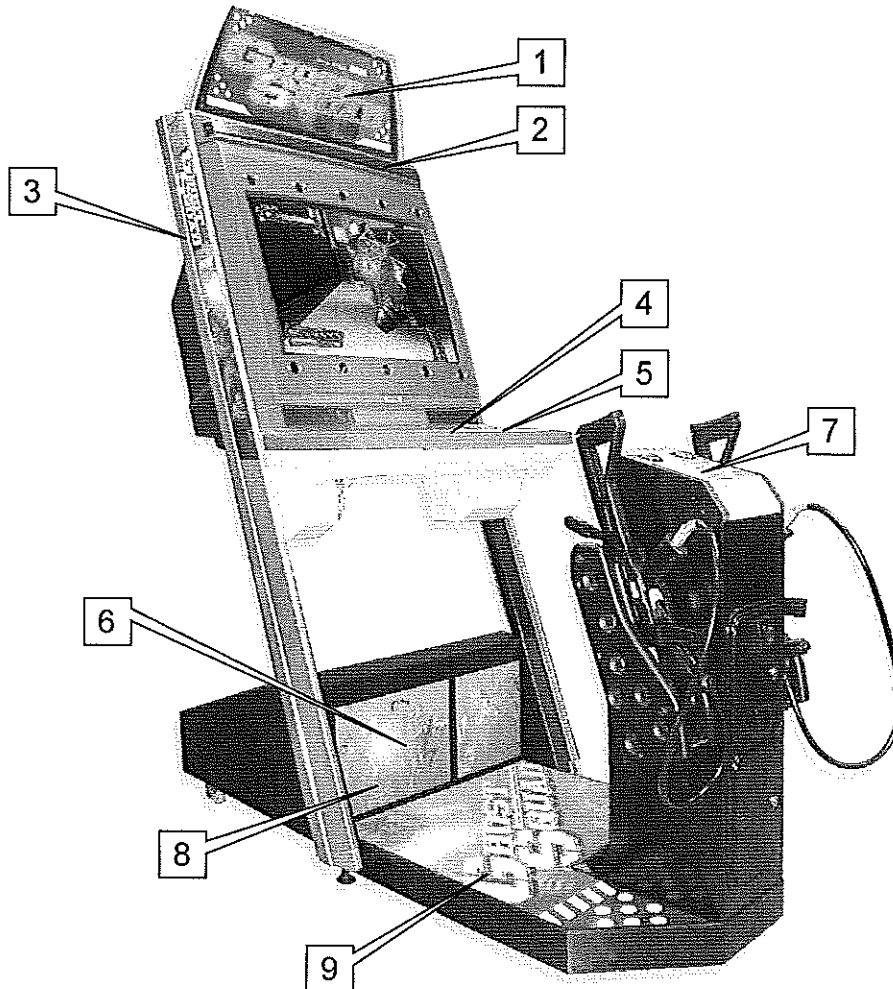
	Price	Bonus			DIL Switch 1				
					Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
1	10¢	No Bonus			OFF	OFF	OFF	OFF	OFF
2	10¢	6 = 50¢			ON	OFF	OFF	OFF	OFF
3	20¢	No Bonus			OFF	ON	OFF	OFF	OFF
4	20¢	3 = 50¢	6 = €1	12 = €2	ON	ON	OFF	OFF	OFF
5	30¢	No Bonus			OFF	OFF	ON	OFF	OFF
6	30¢	1.66 = 50¢	4 = €1	8 = €2	ON	OFF	ON	OFF	OFF
7	30¢	2 = 50¢	4 = €1		OFF	ON	ON	OFF	OFF
8	30¢	AMLD *	3 = €1	6 = €2	ON	ON	ON	OFF	OFF
9	40¢	No Bonus			OFF	OFF	OFF	ON	OFF
10	40¢	1.25 = 50¢	3 = €1	6 = €2	ON	OFF	OFF	ON	OFF
11	50¢	No Bonus			OFF	ON	OFF	ON	OFF
12	50¢		3 = €1	6 = €2	ON	ON	OFF	ON	OFF
13	50¢		2 = €1	5 = €2	OFF	OFF	ON	ON	OFF
14	60¢	No Bonus			ON	OFF	ON	ON	OFF
15	60¢		2 = €1	4 = €2	OFF	ON	ON	ON	OFF
16	80¢	No Bonus			ON	ON	ON	ON	OFF
17	80¢	1.25 = £1	2 = €1.50	2.5 = €2	OFF	OFF	OFF	OFF	ON
18	€1	No Bonus			ON	OFF	OFF	OFF	ON
19	€1		3 = €2		OFF	ON	OFF	OFF	ON
20	€1		2 = €2	5 = €4	ON	ON	OFF	OFF	ON
21	€1.50	No Bonus			OFF	OFF	ON	OFF	ON
22	€1.50		2 = €2		ON	OFF	ON	OFF	ON
23	€2	No Bonus			OFF	ON	ON	OFF	ON
24	€2			3 = €5	ON	ON	ON	OFF	ON
25	€3	No Bonus			OFF	OFF	OFF	ON	ON
26	€3			2 = €5	ON	OFF	OFF	ON	ON
27	€5	No Bonus			OFF	ON	OFF	ON	ON
28	€5			3 = €10	ON	ON	OFF	ON	ON
29	€7.50	No Bonus			OFF	OFF	ON	ON	ON
30	€7.50			2 = €10	ON	OFF	ON	ON	ON
31	€10	No Bonus			OFF	ON	ON	ON	ON
32	Free Play				ON	ON	ON	ON	ON

9.1.3. PRICE OF PLAY SETTINGS Austria-Czech-Denmark-Norway-Israel-France2

	Price	Bonus			Switch 1				
					Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
1	1	No Bonus			OFF	OFF	OFF	OFF	OFF
2	1			11 = 10	ON	OFF	OFF	OFF	OFF
3	1		6 = 5		OFF	ON	OFF	OFF	OFF
4	2	No Bonus			ON	ON	OFF	OFF	OFF
5	2			6 = 10	OFF	OFF	ON	OFF	OFF
6	2		3 = 5		ON	OFF	ON	OFF	OFF
7	3	No Bonus			OFF	ON	ON	OFF	OFF
8	3			4 = 10	ON	ON	ON	OFF	OFF
9	3		2 = 5		OFF	OFF	OFF	ON	OFF
10	4	No Bonus			ON	OFF	OFF	ON	OFF
11	4		3 = 10		OFF	ON	OFF	ON	OFF
12	5	No Bonus			ON	ON	OFF	ON	OFF
13	5			3 = 10	OFF	OFF	ON	ON	OFF
14	6	No Bonus			ON	OFF	ON	ON	OFF
15	6			4 = 20	OFF	ON	ON	ON	OFF
16	8	No Bonus			ON	ON	ON	ON	OFF
17	10	No Bonus			OFF	OFF	OFF	OFF	ON
18	10			3 = 20	ON	OFF	OFF	OFF	ON
19	20	No Bonus			OFF	ON	OFF	OFF	ON
20	20			3 = 50	ON	ON	OFF	OFF	ON
21	30	No Bonus			OFF	OFF	ON	OFF	ON
22	30			2 = 50	ON	OFF	ON	OFF	ON
23	50	No Bonus			OFF	ON	ON	OFF	ON
24	50			3 = 100	ON	ON	ON	OFF	ON
32	Free Play				ON	ON	ON	ON	ON

10. DESIGN RELATED PARTS

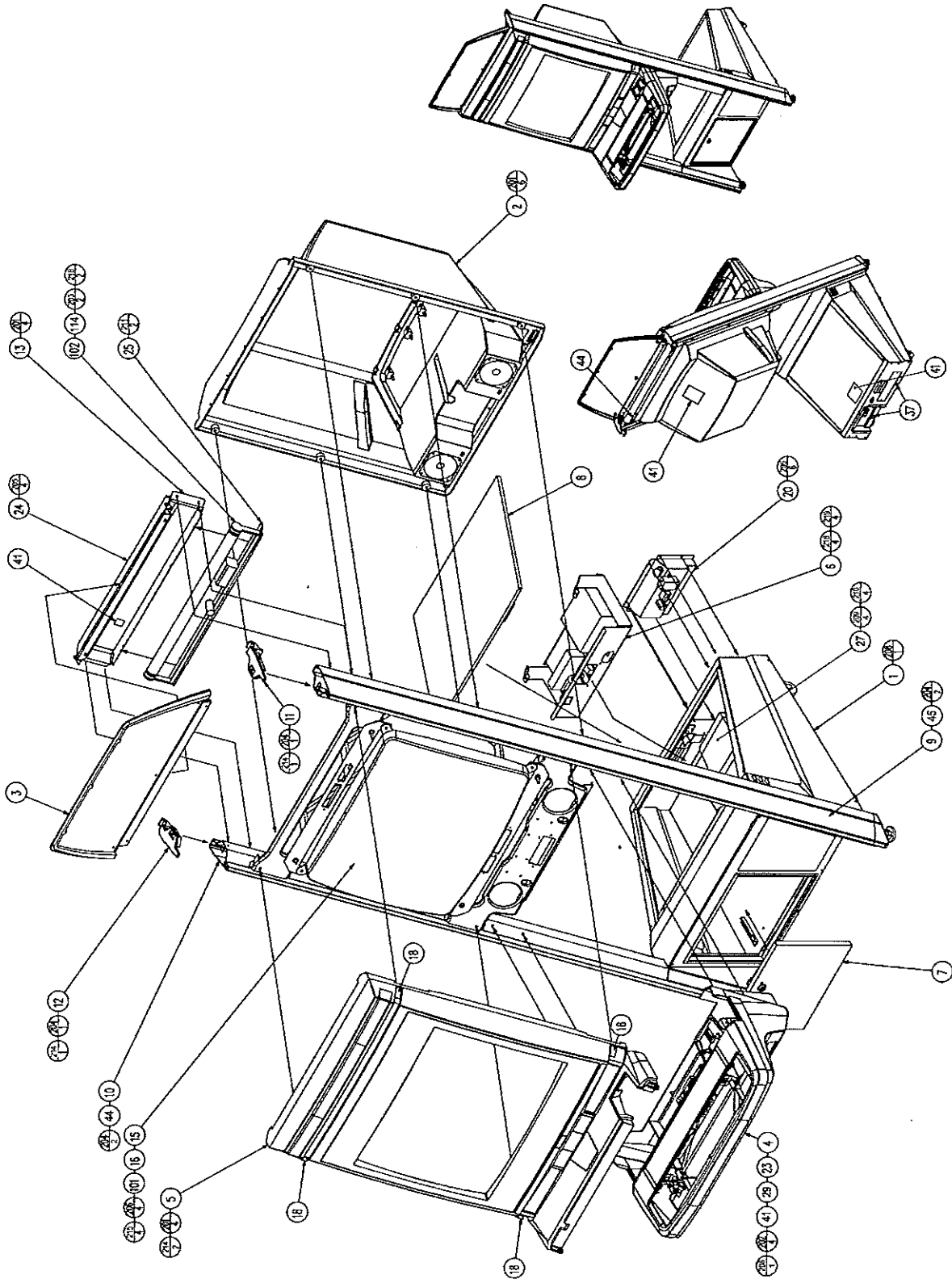
For the Warning stickers refer to Section 1.



No.	PART No.	DESCRIPTION
1	CTF-3001UK	BILLBOARD PLATE U/R
2	CTF-3002UK	STICKER SIDE COVER L
3	CTF-3003UK	STICKER SIDE COVER R
4	CTF-3004UK	PANEL INSTRUCTION SPACE
5	CTF-3005UK	STICKER CONTROL PANEL NOB
6	CTF-3011UK	STICKER SERVICE DOOR
7	CTF-3013UK	STICKER CONTROL PANEL CCT
8	CTF-3018UK	STICKER CASH DOOR
9	CTF-5002UK	FLOOR PLATE ARTWORK

11. PARTS LIST

11.1. CTF-10002UK ASSY CABINET CTF U/R

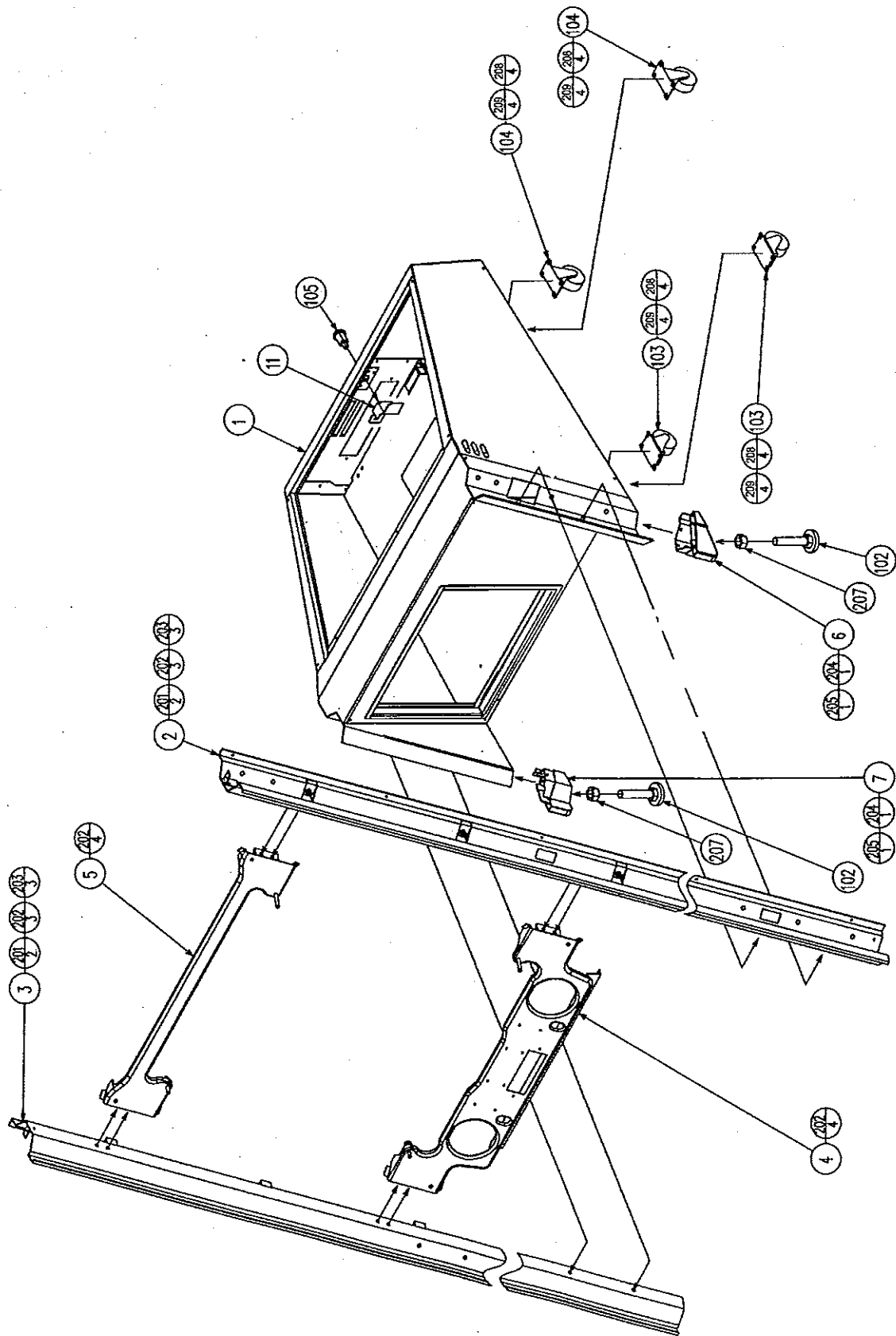


Item	Component Part	Qty.	Description	Component Reference
1	HDT-11002UK	1	ASSY FRAMEWORK HDT U/R	
2	NOA-1200UK	1	ASSY CRT COVER UK	
3	NOA-1300	1	ASSY BILLBOARD	
4	CTF-1400UK	1	ASSY CONTROL BOX CTF U/R	
5	CTF-1500JUK	1	ASSY FRONT PANEL CTF U/R PENT	
6	CTF-4050UK	1	ASSY ELEC	
7	PTR-1750UK	1	ASSY SERVICE DOOR (BLACK)	
8	PTR-1801UK	1	REAR HATCH (BLACK)	FIX DOWN AT TOP ASSY
9	NOB-1001UK	1	FRAME COVER UR R	
10	NOB-1002UK	1	FRAME COVER UR L	
11	NOA-1003	1	ENDCAP R	
12	NOA-1004	1	ENDCAP L	
13	PTR-1005UK	1	REAR COVER UPPER BLACK	
15	ORT-1111UK	4	SPACER FOR PENT MONITOR	
16	CTF-5006UK	4	SCR CAP	
18	NOA-1006	1	SCR CAP	
20	ORT-1710UK	1	ASSY AC UNIT (BLACK PENT)	
23	NOA-1009	2	WSHR PLATE	(4)-2
24	RTS-1010UK	1	BILLBD HOLDER	
25	NOA-1011	1	FL BRKT	
27	HDT-4100UK	1	ASSY XFMR	
29	ORT-1117UK	1	WATER GUARD CE PENT	AROUND MONITOR CHASSIS
37	421-7020UK	2	STICKER CAUTION FORK	AT BACK OF BASE BOX
41	LB1102	5	STICKER DANGEROUS VOLTAGE	LID,LEFT OF DOOR,CRT,FL,CP
42	LB1104	1	STICKER CAUTION, HOT SURFACE	FL COVER
44	CTF-3002UK	1	STICKER SIDE COVER L	
45	CTF-3003UK	1	STICKER SIDE COVER R	
51	CTF-3011UK	1	STICKER SERVICE DOOR	
52	CTF-3018UK	1	STICKER CASH DOOR	
101	200-3129-P	1	ASSY CRT 29 31K PENT	
102	390-5695-40-CUK	1	FL TRAY 110V 40W (T12)	
114	390-5695-40-DUK	1	FL TUBE 40W 600L 1.5"DIA	
116	280-A02048-PM	5	ROUTER TWIST D20 SO4.8 PAN LG	
117	280-A02000-A	4	ROUTER TWIST D20 ADH	
118	280-A01248-PM	12	ROUTER TWIST D12 SO4.8 PAN MED	
119	280-A01200-A	3	ROUTER TWIST D12 ADH	
120	280-A00900-A	2	ROUTER TWIST D9 ADH	
121	OS1230	1.18	FOAM STRIP 2mm X 10mm	2X0.59M TO 8
122	601-0460	10	CABLE TIE 100mm	(29)-10
126	290093	63	CMS)TAPE,FOAM(BLK)-3X6MMX25MTR	
201	008-T00625-0C	14	M6X25 TMP PRF TH CRM	(2)-6,(5)-4,(13)-4
202	030-000620-S	4	M6X20 BLT W/S PAS	(4)-4
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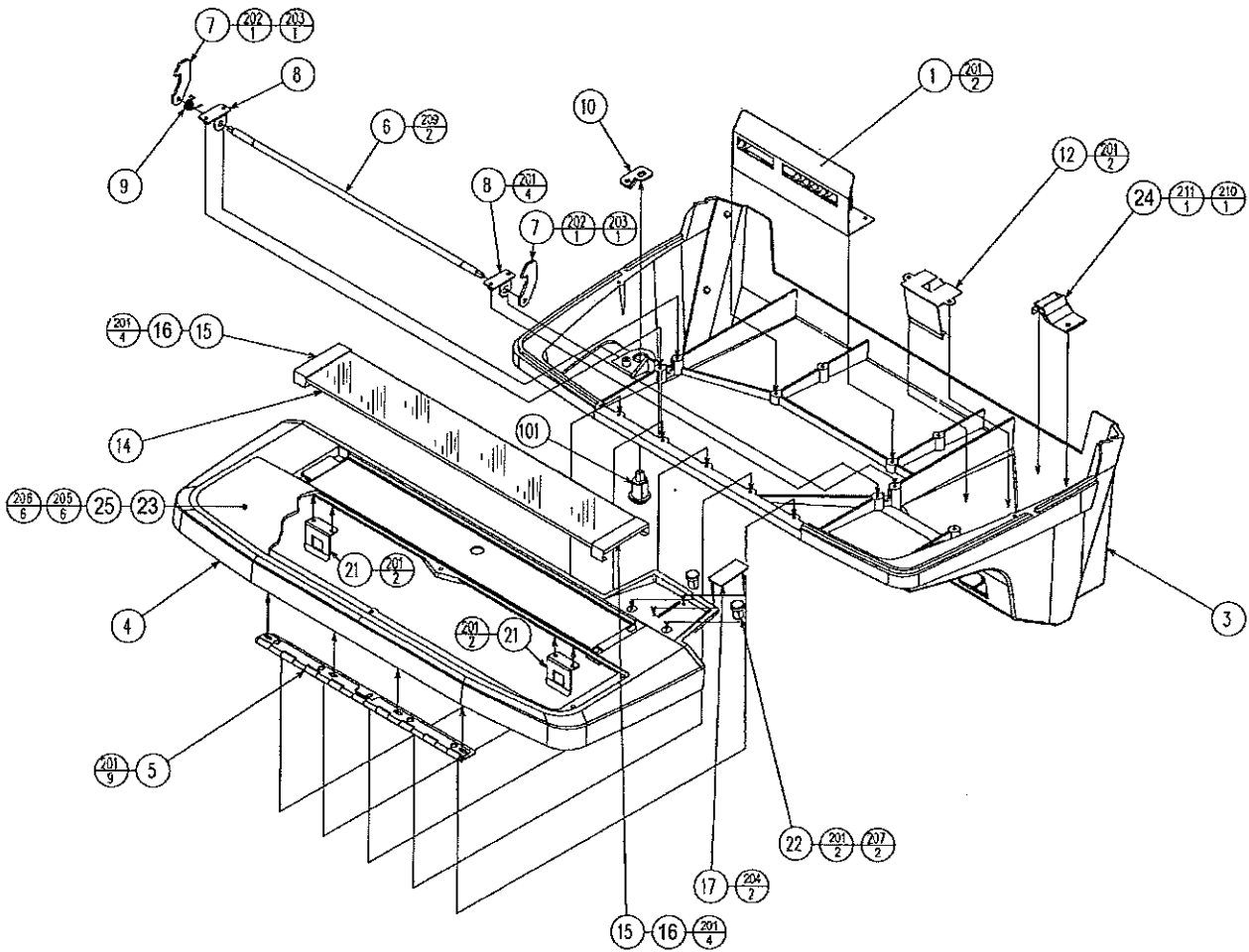
ITEM	PART No.	QTY	DESCRIPTION	COMPONENT REF.
204	008-T00412-0C	6	M4X12 TMP PRF TH CRM	(9,10)-2,(11,12)-1
205	008-T00412-0B	10	M4X12 TMP PRF TH BLK	(20)-6,(24)-4
206	050-F00600	4	M6 NUT FLG SER PAS	(101)-4
208	008-T00430-0B	2	M4X30 TMP PRF TH BLK	TNG STOPPER CP & REAR LID
209	030-000630-S	4	M6X30 BLT W/S PAS	(27)-4
210	068-651616	4	M6 WSHR 16OD FLT PAS	(27)-4
211	000-P00408-W	6	M4X8 MSCR PAN W/FS PAS	(25)-2,EARTHS-4
214	000-P00416-W	4	M4X16 MSCR PAN W/FS PAS	(5)-2,(11)-1,(12)-1
215	068-652516	4	M6 WSHR 25OD FLT PAS	(101)-4
216	050-F00400	4	M4 NUT FLG SER PAS	(102)-2,EARTHS-2
217	050-F00500	3	M5 NUT FLG SER PAS	FRAME EARTHS - 3
218	010-P00408	4	M4X8 S-TITE PAN PAS	(6)-4
219	060-F00400	4	M4 WSHR FORM A FLT PAS	(6)-4
301	CTF-6003UK	1	ASSY WIRE L CTF U/R	
302	NOB-60041UK	1	WIRE HARN AC EXT UK	
303	NOA-60025	1	WIRE HARN SPEAKER R	
311	600-7159-070	1	WIRE HARN JVS PWR 070CM	
319	600-9010-44K	1	WIRE HARN EARTH 100mm M4/M4	BBOARD HOLDER TO FL BASE
320	NOB-60201UK	1	WIRE HARN FL NOB	
321	600-9070-45K	1	WIRE HARN EARTH 700mm M4/M5 K	BASE LID TO BASE
322	600-9080-45K	1	WIRE HARN EARTH 800mm M4/M5 K	BASE TO RH FRAME (BOTTOM)
323	600-9025-56U	1	WIRE HARN EARTH 250mm M5/M6	MON CHASSIS TO RH FRAME TEMP
324	600-9055-45K	1	WIRE HARN EARTH 550mm M4/M5 K	BASE TO LH FRAME BOTTOM

11.2. HDT-11002UK ASSY FRAMEWORK HDT U/R



Item	Component Part	Qty.	Description	Component Reference
1	HDT-1601UK	1	BASE BOX BLACK	
2	PTR-1101UK	1	MAIN FRAME UR R	
3	PTR-1102UK	1	MAIN FRAME UR L	
4	NOA-1111X	1	LOWER BEAM	
5	NOA-1112X	1	UPPER BEAM	
6	NOA-1113	1	HOOF R	
7	NOA-1114	1	HOOF L	
11	NOA-1115UK	1	TNG REAR HATCH	
102	601-5699X	2	LEG ADJUSTER BOLT M16x75 SEGA	
103	601-10461UK	2	CASTOR 50 SWIVEL	FRONT
104	601-10462UK	2	CASTOR 50 FIXED	REAR
105	220-5575UK	1	LOCK	
201	050-F00600	4	M6 NUT FLG SER PAS	(2)-2,(3)-2
202	030-000620-S	14	M6X20 BLT W/S PAS	(2,3)-3,(4,5)-4
203	068-652016	6	M6 WSHR 200D FLT PAS	(2)-3,(3)-3
204	050-F00500	2	M5 NUT FLG SER PAS	(6)-1,(7)-1
205	000-P00408-W	2	M4X8 MSCR PAN W/FS PAS	(6)-1,(7)-1
207	050-H01600	2	M16 NUT PAS	(102)-2
208	FAS-200004	16	M6X14 SKT CAP BLK	(103,4)-8EA
209	060-S00600-0B	16	M6 WSHR SPR BLK	(103,4)-8EA

11.3. CTF-1400UK ASSY CONTROL BOX CTF U/R



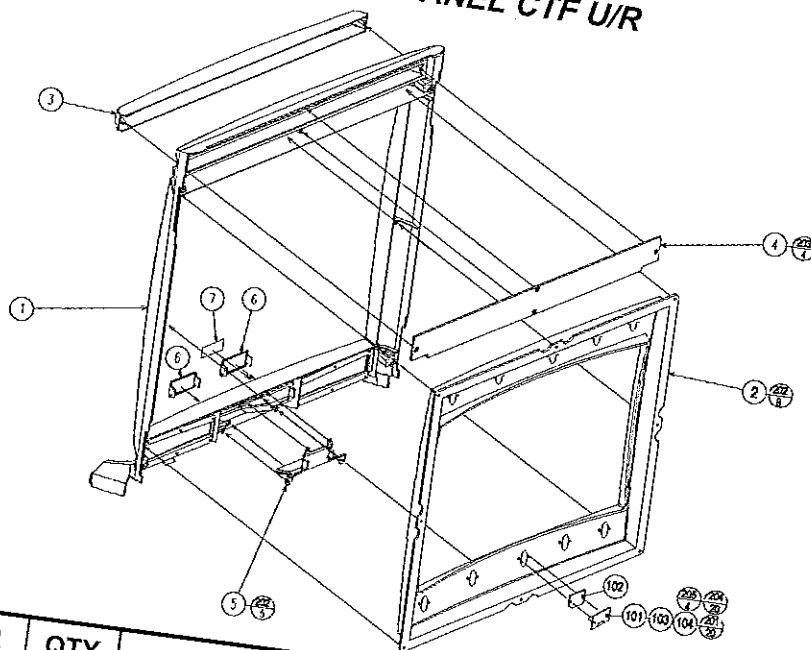
ITEM	PART No.	QTY	DESCRIPTION	COMPONENT REF.
1	CTF-1404UK	1	ADJUST PANEL BRKT	
3	NOA-1401	1	CONTROL BOX LOWER	
4	CTF-1402UK	1	CONTROL BOX UPPER	
5	CQN-1055X	1	HINGE	
6	NOA-1403	1	SHAFT	
7	HOT-1520	2	LATCH N	
8	HOT-1504	2	LATCH HOLDER	
9	NOA-1404	1	TOR SPRING	
10	HOT-1505UK	1	LKG TNG	(101)-1
12	SPY-1406UK	1	REJECT COVER	
14	CTF-3004UK	1	PANEL INSTR SPACE	5MM FOAMEX
15	NOA-1419	2	BRKT INST COVER	(14)-2
16	NOA-1420	4	L WASHER	(15)-4
17	SPX-1407UK	1	COIN ENTRY COVER	
21	NOA-1415	2	LOCK BRKT	
22	NOA-1418	2	DUMMY BIN	
23	SPX-1403UK	1	CTRL PANEL PLATE BLANK	
24	SPY-1408UK	1	COIN EXIT COVER	
25	CTF-3005UK	1	STICKER CONTROL PANEL NOB	(23)-1

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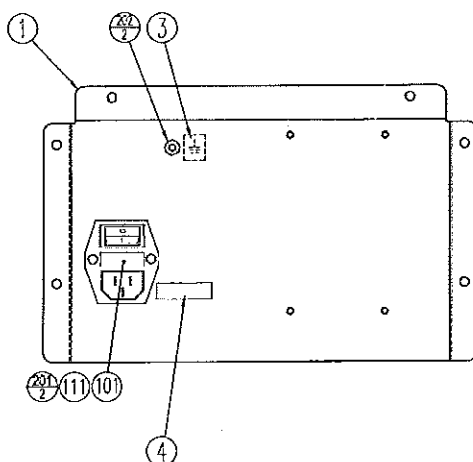
ITEM	PART No.	QTY	DESCRIPTION	COMPONENT REF.
101	220-5575UK	1	LOCK	
102	280-A00900-A	3	ROUTER TWIST D9 ADH	(1,12,22)2,(8,16,21)4,(5)9,(24)
201	000-P00410-W	27	M4X10 MSCR PAN W/FS PAS	(7)-2
202	050-H00600	2	M6 NUT PAS	(7)-2
203	060-S00600	2	M6 WSHR SPR PAS	(17)-2
204	050-F00300	2	M3 NUT FLG SER PAS	(23)-6
205	031-000416-0B	6	M4X16 CRG BLT BLK	(23)-6
206	050-F00400	6	M4 NUT FLG SER PAS	(22)-2
207	068-441616	2	M4 WSHR 160D FLT PAS	(6)-2
209	065-E00600	2	DIA6 E RING	(24)-1
210	000-P00412-W	1	M4X12 MSCR PAN W/FS PAS	(24)-1
211	008-T00412-0C	1	M4X12 TMP PRF TH CRM	

11.4. CTF-1500UK ASSY FRONT PANEL CTF U/R



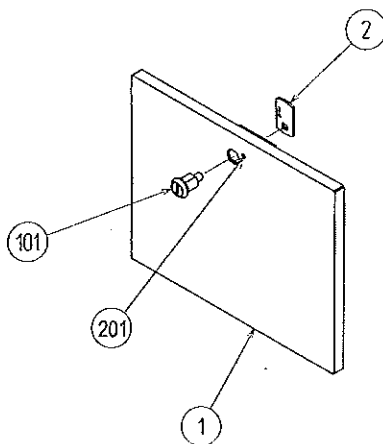
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	CTF-1501UK	1	FRONT PLATE HDT	
2	CTF-1502-02JUK	1	MASK NF CTF PENT U/R	
3	NOA-1503	1	LIGHT COVER	
4	HDT-1504UK	1	PRISM PLATE	
5	NOA-1505UK	1	LID GC	
6	CTF-1506UK	2	LID VMS	
7	NOA-1507	1	EMBLEM NAOMI	
101	838-13145-02	10	LED BD GUN SENSE HOD	CLIP-IN
102	JPT-1082	10	IR COVER	
103	SPY-1507-AUK	20	HEAD COVER M3 GREY	
104	SPY-1507-BUK	20	HEAD COVER BASE M3	(101)-20
105	280-A00900-A	20	ROUTER TWIST D9 ADH	(101)-20
106	050-U00300	2	M3 NUT NYLOK PAS	2-(2)
107	000-P00410-W	13	M4X10 MSCR PAN W/FS PAS	(101)-20
108	012-P03516	4	N6X5/8" S/TAP PAN PAS	(2)-8,(5)-5
109	000-P00325	4	M3X25 MSCR PAN PAS	(4)-4
110	068-330808-PN	20	M3 WSHR 80D FLT NYLON	(101)-20
111	SPY-61040UK	7	WIRE HARN MASK SHORT	(101)-20
112	SPY-61042UK	2	WIRE HARN MASK LONG	
113	SPY-61041UK	1	WIRE HARN IC BD	

11.5. ORT-1710UK ASSY AC UNIT (BLACK)



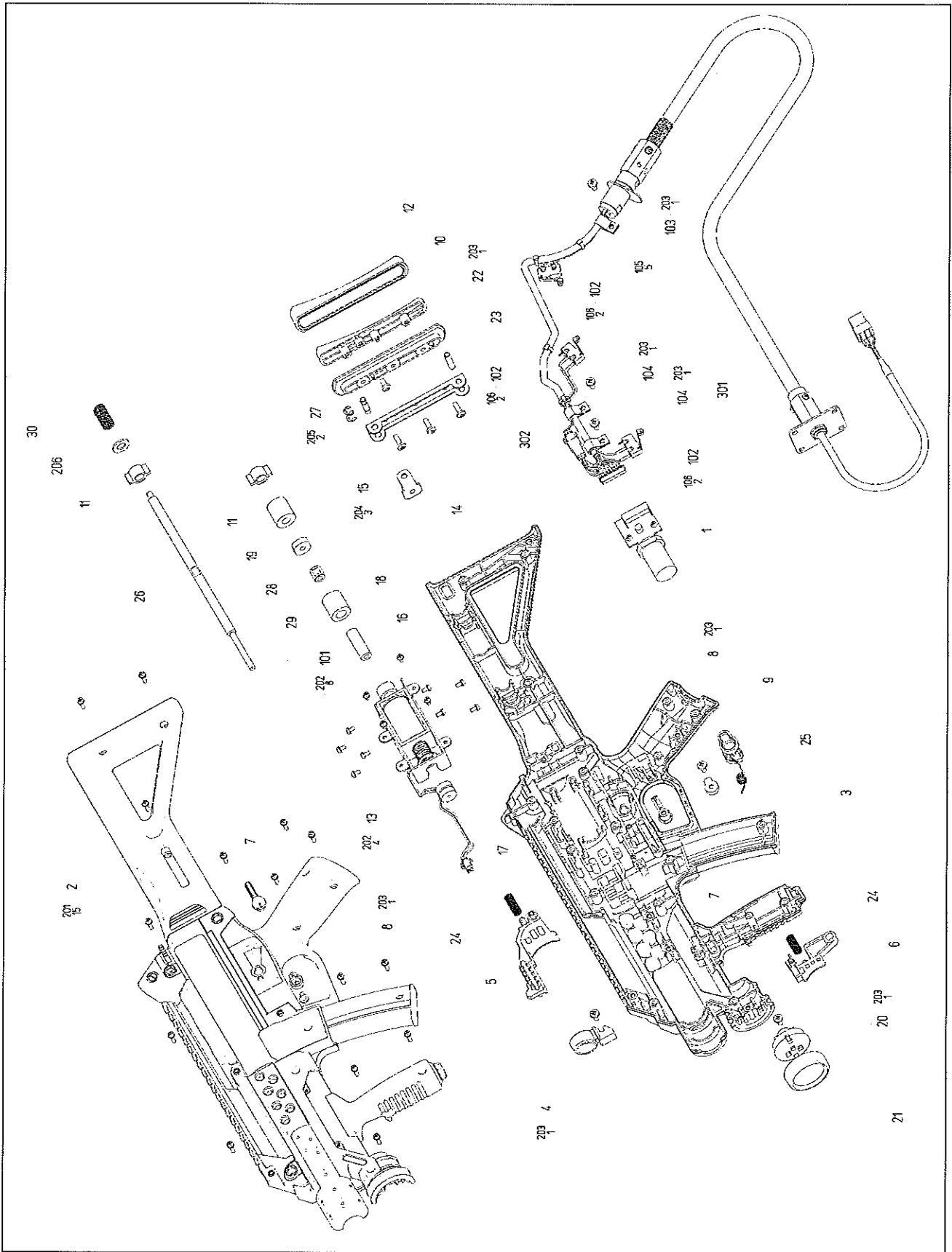
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	RTS-1711UK	1	AC BRKT (BLACK)	
3	LB1096	1	STICKER PROTECTIVE EARTH	NEXT TO EARTH STUD ON INSIDE
4	421-6595-5000-T	1	STICKER FUSE 5000MA TYPE T	NEXT TO IEC INLET ON OUTSIDE
101	EP1381	1	FILTER IEC & SW 6A ROXBURGH	
111	514-5078-5000	1	FUSE 5X20 CERAMIC SB 5000MA	
202	050-F00400	2	M4 NUT FLG SER PAS	EARTH - 2
204	000-F00316	2	M3X16 MSCR CSK PAS	(101)-2
301	ORT-60004UK	1	WIRE HARN AC OUT	
303	600-9030-45K	1	WIRE HARN EARTH 300MM M4/M5 K	AC BRKT TO XFMR
305	600-9025-44K	1	WIRE HARN EARTH 250MM M4/M4	AC BRKT TO BASE
306	600-9015-4FK	1	WIRE HARN EARTH 150MM	

11.6. PTR-1750UK ASSY SERVICE DOOR (BLACK)



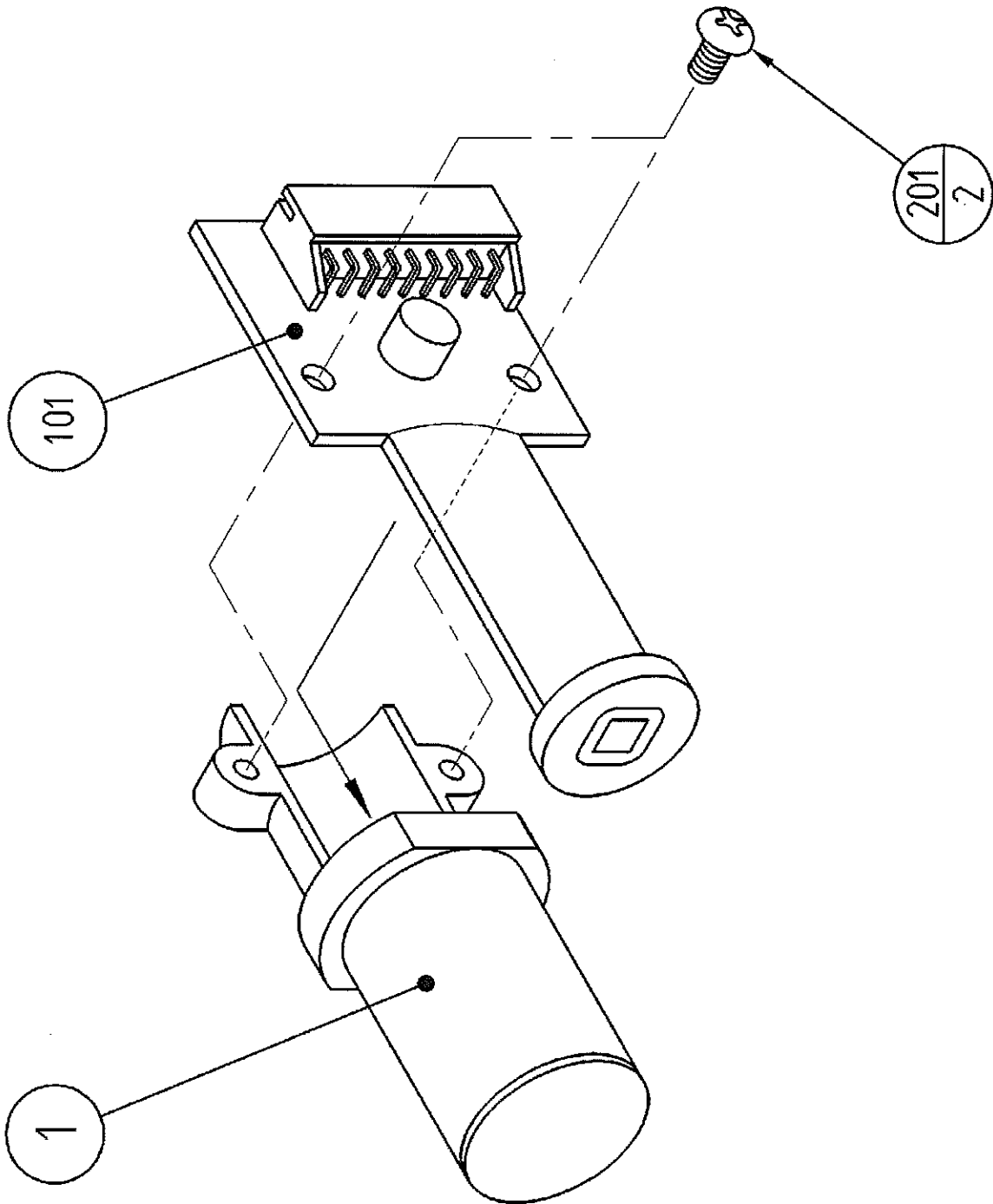
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	PTR-1751UK	1	SERVICE DOOR BLACK	
2	DP-1167UK	1	TNG LKG UK	
101	220-5575UK	1	LOCK	
201	008-T00430-0C	1	M4X30 MSCR TMP PRF TH CR	DO UP 1/2 WAY SO TNG OPENS

11.7. CTF-2100UK CONTROL UNIT



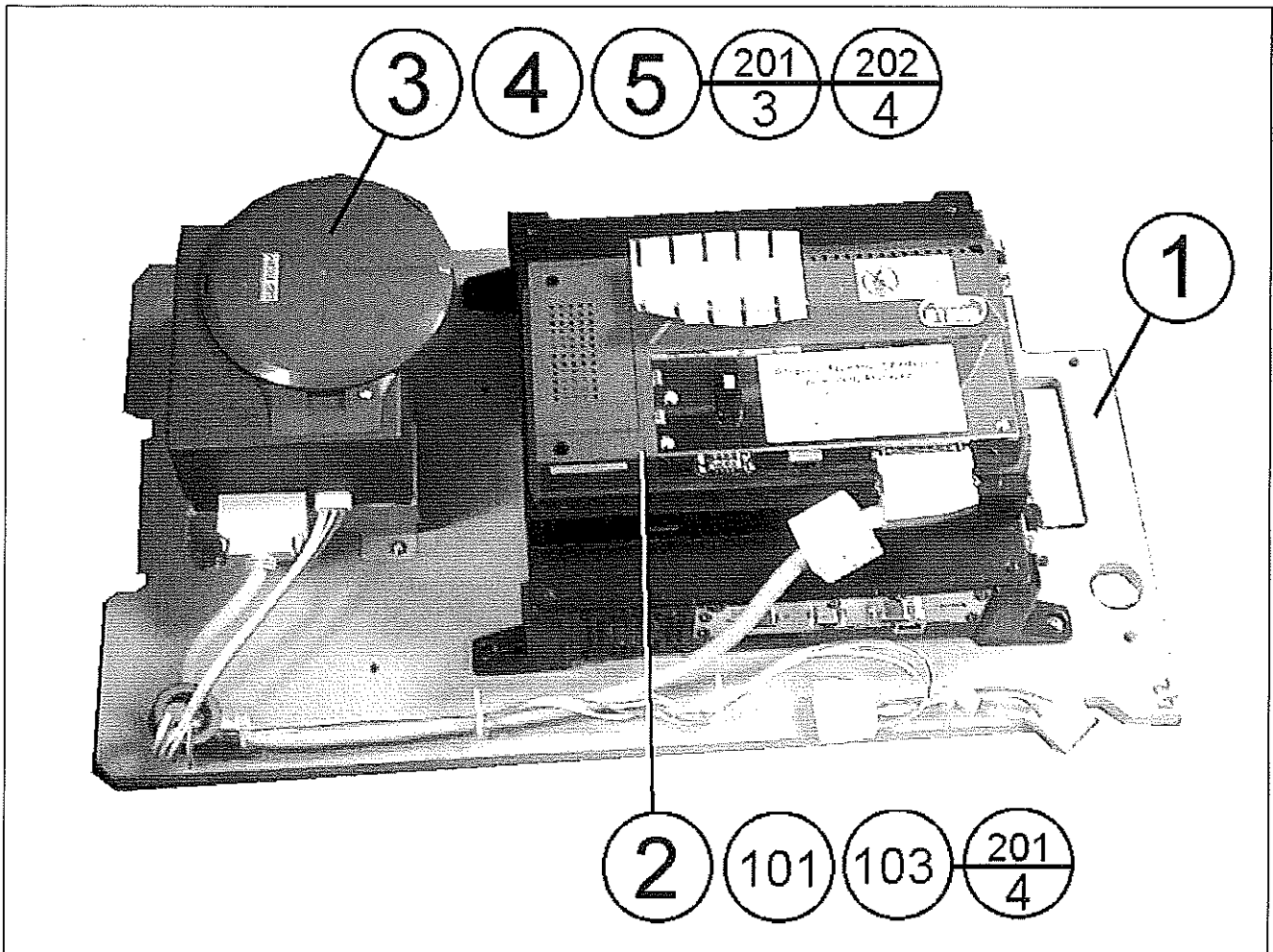
ITEM	PART NO.	QTY	DESCRIPTION	COMPONENT REF.
1	JPT-2030		SENSOR UNIT	
2	CTF-2101		COVER L	
3	CTF-2102		COVER R	
4	CTF-2103		FRONT SIGHT	
5	CTF-2104		MAIN TRIGGER	
6	CTF-2105		SUB TRIGGER	
7	CTF-2106		SELECTOR	
8	CTF-2107		SELECTOR HOLDER	
9	CTF-2108		SELECTOR JOINT	
10	CTF-2109		PAD BASE	
11	CTF-2110		BEARING HOLDER	
12	CTF-2111		PAD	
13	CTF-2112		SOLENOID FRAME	
14	CTF-2113		SHAFT JOINT	
15	CTF-2114		PAD FRAME	
16	CTF-2115		RECOIL DAMPER	
17	CTF-2116		SOLENOID DAMPER	
18	CTF-2117		SHAFT DAMPER F	
19	CTF-2118		SHAFT DAMPER R	
20	CTF-2119		CAP BASE	
21	CTF-2120		LIGHT CAP	
22	CTF-2121		PAD BEZEL	
23	CTF-2122		PAD PIN	
24	CTF-2123		TRIGGER SPRING	
25	CTF-2124		SELECTOR SPRING	
26	CTF-2125		SHAFT	
27	CTF-2126		JOINT PIN	
28	CTF-2127		SHAFT STOPPER	
29	CTF-2128		DAMPER BASE	
30	CTF-2129		RETURN SPRING	
101	124-5097		SOLENOID	
102	509-5080		SW MICRO TYPE (SS-5GL2)	
103	280-5124-04		NYLON CLAMP NK04	
104	280-5124-05		NYLON CLAMP NK05	
105	601-0460		PLASTIC TIE BELT 100 M/M	
106	310-5029-D20		SUMITUBE F D 20MM	
201	FAS-000100		M SCR PH W/SMALL FS BLK M3x12	
202	000-P00306-S		M SCR PH W/S M3x6	
203	FAS-120029		TAP SCR P-TITE PH 4x8	
204	FAS-120030		TAP SCR P-TITE PH BLK 4x12	
205	065-E00400		E RING 4MM	
206	FAS-600020		FLT WSHR NORM A M8	
301	CTF-60032		WH CONTROLLER MAIN EXT	
302	CTF-60033		WH CONTROLLER SW EXT	

11.8. JPT-2030 SENSOR UNIT



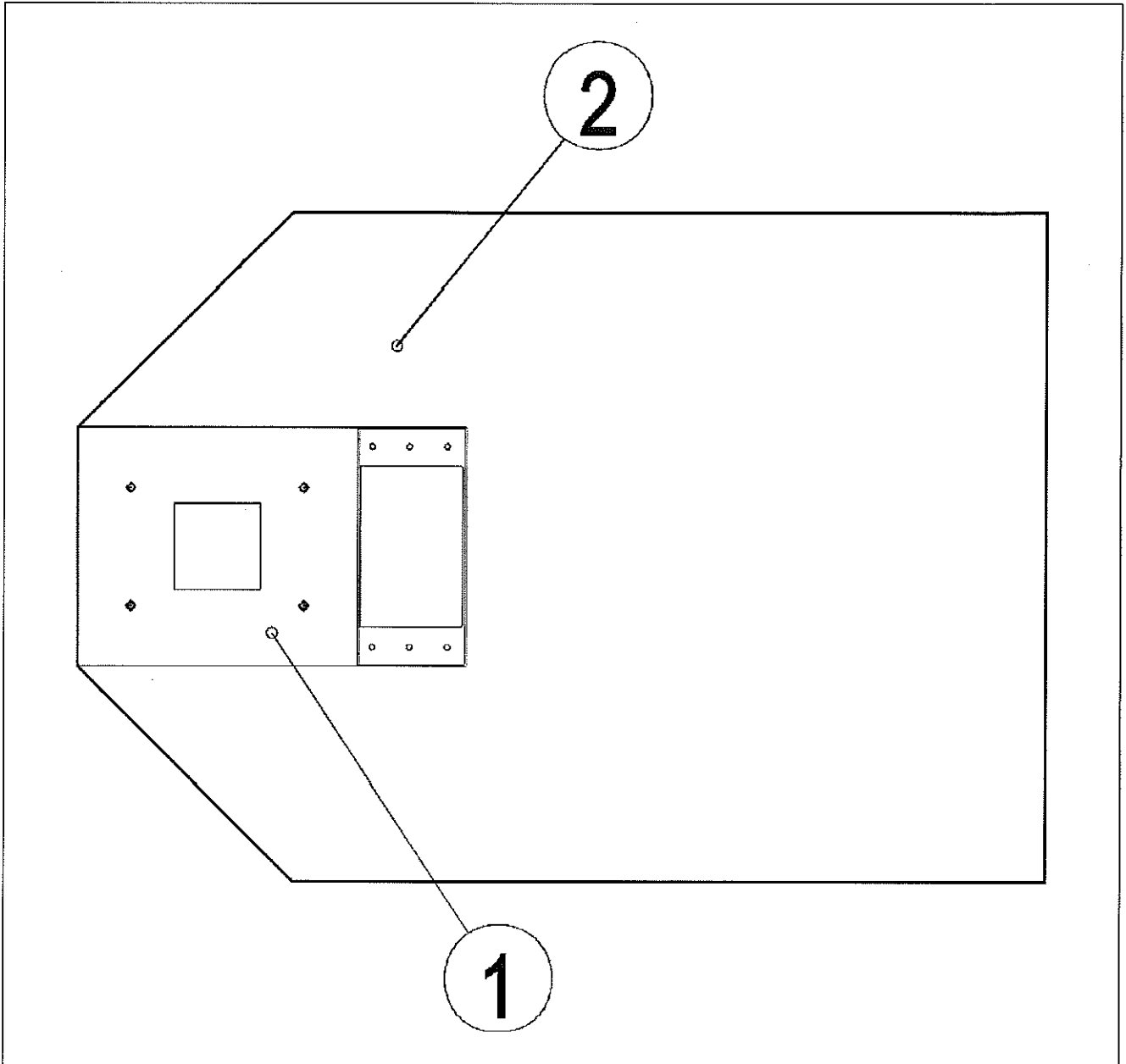
ITEM	PART NO.	QTY	DESCRIPTION	COMPONENT REF.
1	JPT-2031		SENSOR HOLDER	
101	838-13144		SENSOR BD GUN SENSE	
201	012-P00306		TAP SCR #2 PH 3x6	

11.9. CTF-4800UK ASSY MAIN BD CTF U/R



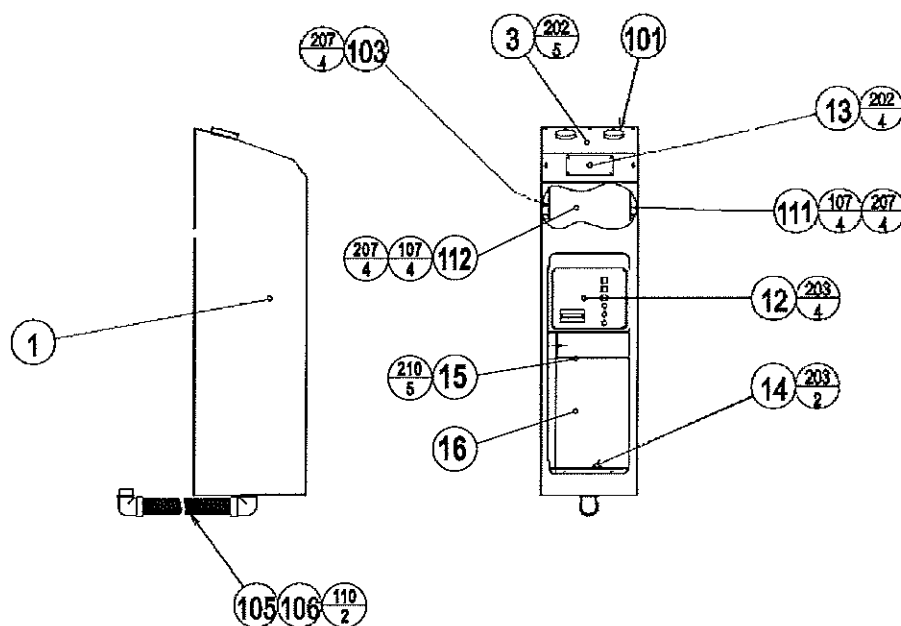
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	CTF-4801UK	1	WOODEN BASE MAIN	
2	843-0001D-22	1	ASSY CASE BOX COM DIMM EXP	
3	610-0617	1	GD-ROM DRIVE UNIT NAOMI	SHIP BOX WITH MACHINE
4	105-5435	1	GD DRIVE BRKT STD	
5	610-0652-0012	1	GD SOFT CTF EXP	
6	253-5508-0398	1	KEY CHIP CTF EXP	
7	HDT-60100UK	1	WH POWER GD ROM	
101	LB1101	1	STICKER WARNING BATTERY	(2)-1
102	280-A01264-WX	5	ROUTER TWIST D12 SO6.4 WOOD X	
103	LB1111	1	STICKER PLEASE RECYCLE	(2)-1
104	400-5421-07524	1	SW REGU LCA75S-24	
106	280-L00709-OS	4	STANDOFF 7OD 4ID 9L	(104)-4
201	000-P00416-W	7	M4X16 MSCR PAN W/FS PAS	(2)-4,(4)-3
202	012-P00410-F	4	N8X3/8" S/TAP FLG PAS	(3)-4
203	012-P00325	4	N4X1" S/TAP PAN PAS	(104)-4
301	CTF-61014UK	1	WH 24V EXT B	
307	600-7247-500	1	CABLE SCSI ST-L TYPE2 500MM	

11.10. CTF-5000UK ASSY FLOOR CTF U/R



No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	SPY-5001UK	1	FLOOR BASE	
2	CTF-5002UK	1	FLOOR PLATE ARTWORK	SELF ADHESIVE ON REVERSE

11.11. CTF-5100UK ASSY CCT CTF U/R



ITEM.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	CTF-5101UK	1	COINCHUTE TOWER	
2	CTF-2100	2	CONTROL UNIT	
3	CTF-5102UK	1	CCT COVER	
12	VTS-STW-U	1	VTS BOARD UPRIGHT TYPE	
13	DYN-0010UK	1	DENOMI PLATE	
14	NCR-1103UK	1	CCT FLOOR	Aaron
15	DUT-0302UK	1	COIN PATH PLATE	
16	PP1087	1	BOX CASH FOR MINI DOOR	
19	JPT-3101	4	TUBE CLAMP	
101	509-6069	2	SW PB OBSA-45UM-G-1FLED-G-5V	
103	837-13551-92	1	I/O CONTROL BD FOR JVS	
105	310-5287-29	2	CONN L29 32mm X PG29	
106	310-5285-290100	1	FLEX TUBE 29 100CM	
107	280-L00709-OS	8	STANDOFF 7OD 4ID 9L	(111)-4,(112)-4
108	280-A02048-PM	3	ROUTER TWIST D20 SO4.8 PAN LG	
109	280-L00805-0M	2	STANDOFF 8OD 5ID 4.8L	(10)-2
110	310-5287-PG29	2	NUT LOCK PG29 BLACK	(105)-1
111	838-14465-01	1	IC BD GUN SENCE NEW	
112	839-1243	1	FUSE BD CTF	
202	008-T00412-0B	17	M4X12 TMP PRF TH BLK	(2)-8,(3)-5,(13)-4
203	000-P00416-W	6	M4X16 MSCR PAN W/FS PAS	(12)-4,(14)-2

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ITEM	PART No.	QTY	DESCRIPTION	COMPONENT REF.
207	050-F00300	12	M3 NUT FLG SER PAS	(103)-4,(111)-4,(112)-4
210	000-P00408-W	5	M4X8 MSCR PAN W/FS PAS	(15)-5
215	000-P00408-WB	8	M4X8 MSCR PAN W/FS BLK	(19)-8
301	SPY-61052UK	1	WIRE HARN TUBE VOL CTRL	
302	SPY-61053UK	1	WIRE HARN VTS SPY (NAO)	
303	CTF-61055UK	1	WIRE HARN SW/VOL CONTROL	
304	SPY-61044UK	1	WIRE HARN TUBE IC BD & DEMAG	
306	CTF-61015UK	1	WIRE HARN START UK	
308	SPY-60010UK	1	WIRE HARN HIGH FRQNCY JUMPER	
309	600-7141-250	1	CABLE JVS TYPE A-B 250CM	
310	CTF-61010UK	1	WH 24V EXT	
311	CTF-61030UK	1	WH GUN FUSE BD	

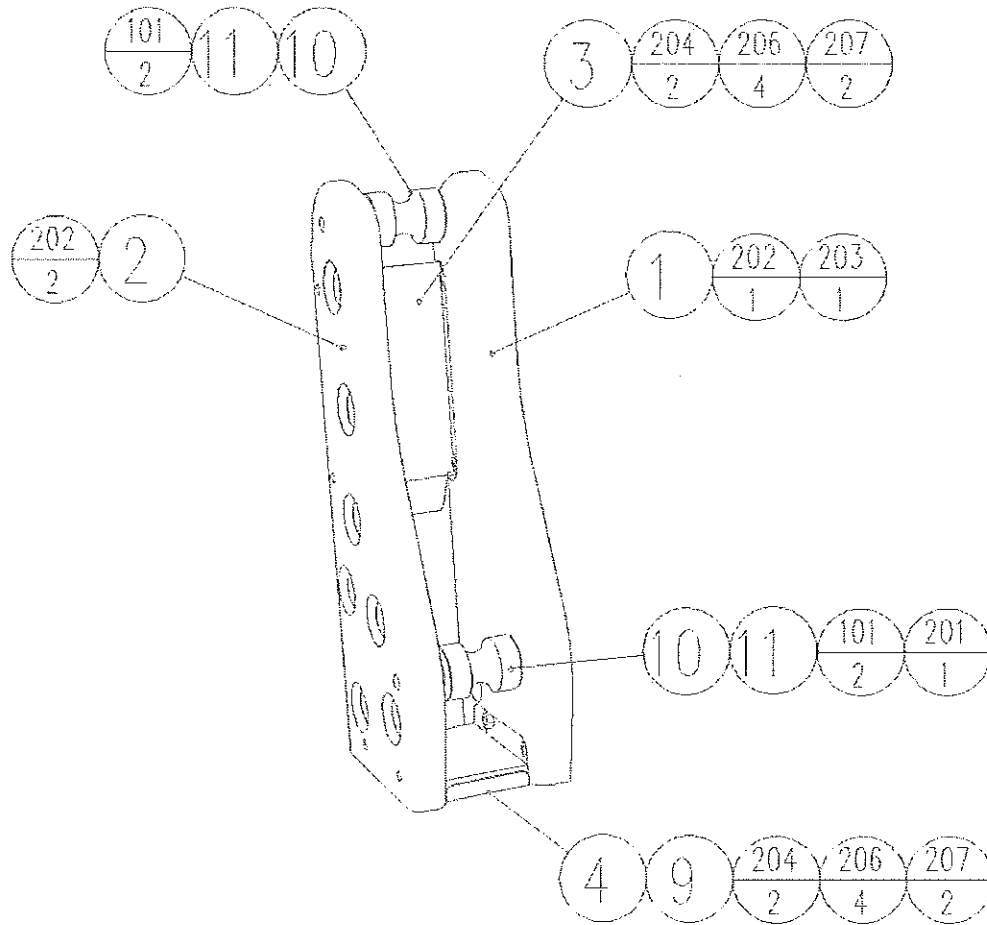
CTF-6003UK ASSY WIRE L CTF U/R

Item	Component Part	Qty	Description	Component Reference
101	601-0460	12	CABLE TIE 100mm	
102	280-N01610-0B	0.40	SLIT HARN WRAP 16mm DIA 1M BLK	
302	NOB-60045	1	WIRE HARN SPEAKER L	
303	NOB-60046	1	WIRE HARN SPEAKER R	
304	SPY-61043UK	1	WIRE HARN IC BD & DEMAG EXT	
305	600-7158-0100	1	CA AUDIO RCA TO RCA 2CH 100CM	
306	HDT-61051UK	1	WIRE HARN DC SPLY & VOL CNTRL	

11.14. CTF-INST-U ASSY INST KIT CTF U/R

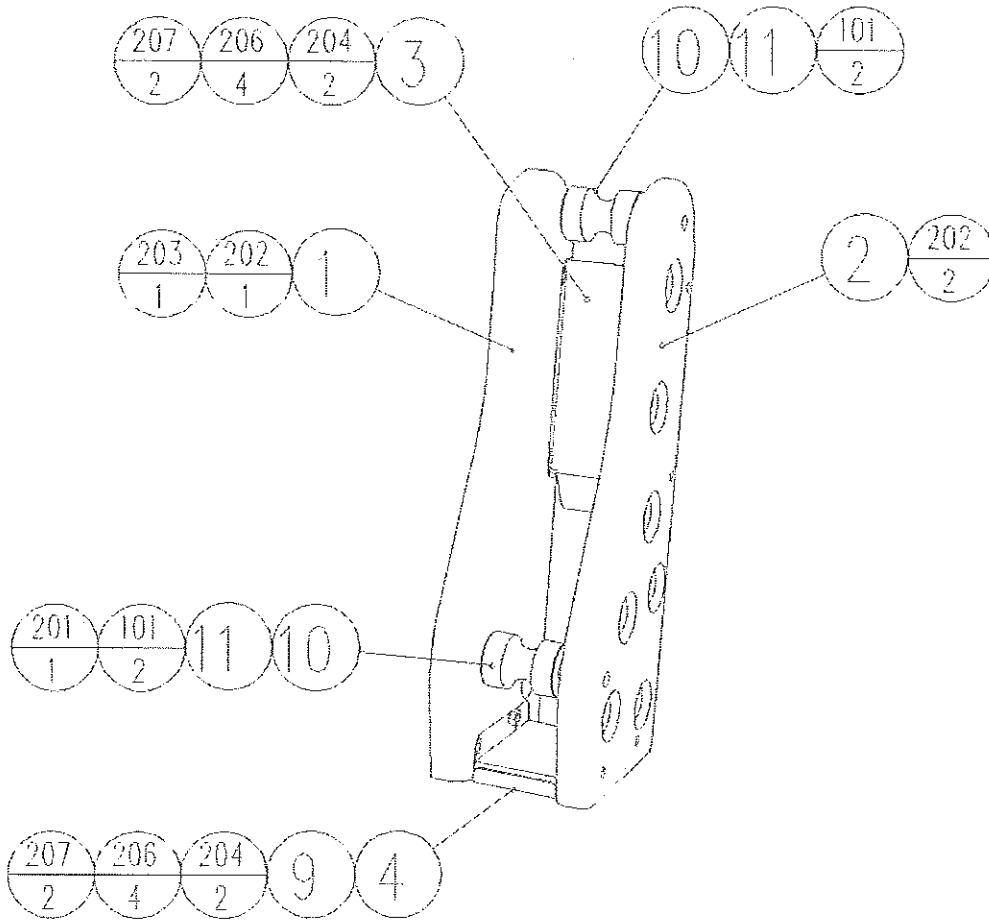
Item	Component Part	Qty.	Description	Component Reference
1	CTF-5000UK	1	ASSY FLOOR CTF U/R	
2	CTF-INST-SUB1-U	1	ASSY SUB1 INST	
3	CTF-INST-SUB2-U	1	ASSY SUB2 INST	
16	PK0323	1	INST KIT PACKING WEDGE	

11.12. CTF-5150UK ASSY GUN HP STER U/R



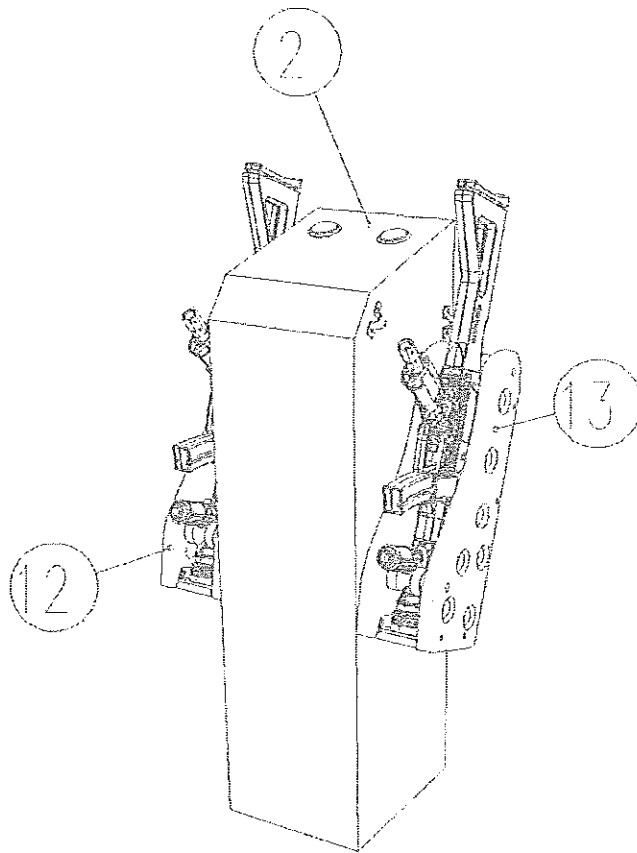
Item	Component Part	Qty	Description	Component Reference
1	CTF-5151UK	1	HOLSTER INSIDE L	HDT-2181UK
2	CTF-5152UK	1	HOLSTER OUTSIDE L	HDT-5151UK
3	CTF-5153UK	1	HOLSTER BACK	HDT-2182UK
4	CTF-5154UK	1	HOLSTER BOTTOM	HDT-2187UK
9	HDT-2197UK	1	GUN CUSHION	(4)-1
10	SPY-5105UK	2	GUN CUSHION B	
11	SPY-5110UK	2	CUSHION BAR	
101	CTF-5155UK	4	SPACER A1C706 (RIC SS-3/8-2)	
201	029-C008D0-0B	2	M8X130 SKT CH BLK	THRU' (1),(2),(10,(11) & (101)
202	060-F00800-0B	3	M8 WSHR FORM A FLT BLK	(1)-1, (2)-2
203	030-000830-SB	1	M8X30 BLT W/S BLK	(1)-2
204	030-000616-SB	4	M6X16 BLT W/S BLK	(3)-2, (4)-2
206	060-F00600-0B	8	M6 WSHR FORM A FLT BLK	(3)-4, (4)-4
207	029-C00625-0B	4	M6X25 SKT CH BLK	(3)-2, (4)-2
208	050-F00800	3	M8 NUT FLG SER PAS	TEMP FIXINGS FOR ASSY

11.13. CTF-5150UK ASSY GUN HP STER U/R



Item	Component Part	Qty	Description	Component Reference
1	CTF-5171UK	1	HOLSTER INSIDE R	HDT-2181UK
2	CTF-5172UK	1	HOLSTER OUTSIDE R	HDT-5151UK
3	CTF-5153UK	1	HOLSTER BACK	HDT-2182UK
4	CTF-5154UK	1	HOLSTER BOTTOM	HDT-2187UK
9	HDT-2197UK	1	GUN CUSHION	(4)-1
10	SPY-5105UK	2	GUN CUSHION B	
11	SPY-5110UK	2	CUSHION BAR	
101	CTF-5155UK	4	SPACER A1C706 (RIC SS-3/8-2)	
201	029-C008D0-0B	2	M8X130 SKT CH BLK	THRU' (1),(2),(10,(11) & (101)
202	060-F00800-0B	3	M8 WSHR FORM A FLT BLK	(1)-1, (2)-2
203	030-000830-SB	1	M8X30 BLT W/S BLK	(1)-2
204	030-000616-SB	4	M6X16 BLT W/S BLK	(3)-2, (4)-2
206	060-F00600-0B	8	M6 WSHR FORM A FLT BLK	(3)-4, (4)-4
207	029-C00625-0B	4	M6X25 SKT CH BLK	(3)-2, (4)-2
208	050-F00800	3	M8 NUT FLG SER PAS	TEMP FIXINGS FOR ASSY

11.15. CTF-INST-SUB1-U ASSY SUB1 INST

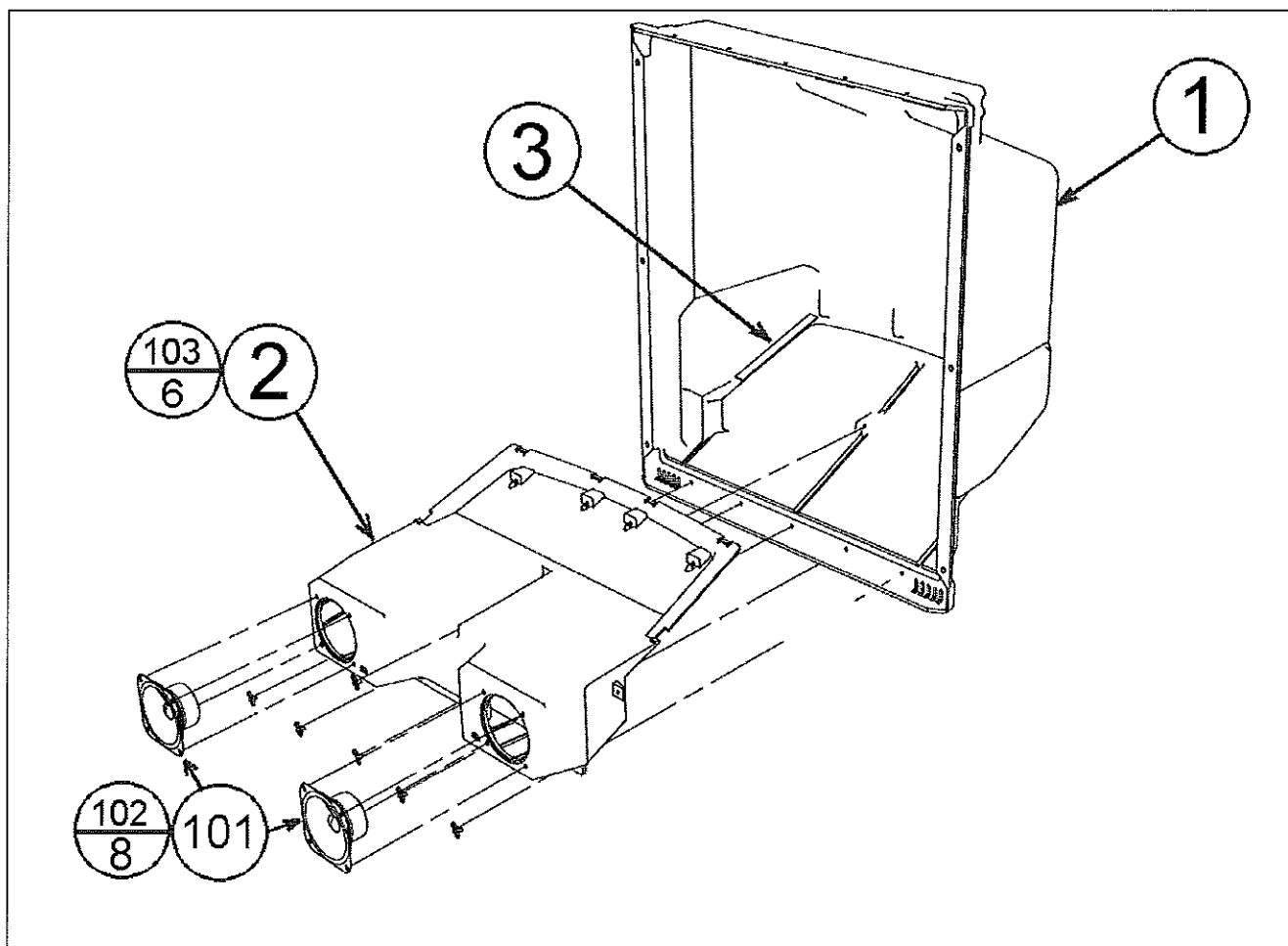


Item	Component Part	Description	Component Reference	Qty.
2	CTF-5100UK	ASSY CCT CTF U/R		1
6	PK0370	INST KIT BOX CTF U/R		1
12	CTF-5150UK	ASSY GUN HOLSTER L U/R		1
13	CTF-5170UK	ASSY GUN HOLSTER R U/R		1

11.16. CTF-INST-SUB2-U ASSY SUB2 INST

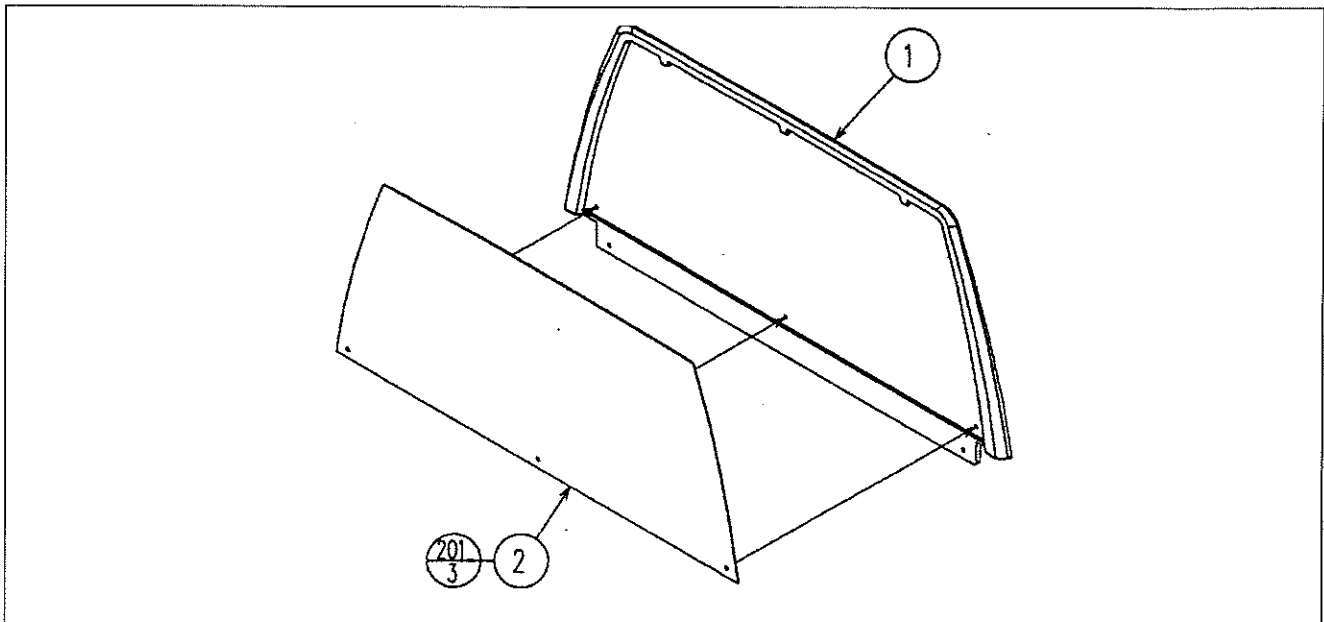
Item	Component Part	Qty	Description	Component Reference
4	SPY-5008UK	1	FLOOR JOINT BRKT	
5	SAECE-XXX	1	DECLARATION OF CONFORMITY	DECLARATION OF CONFORMITY CTFU
7	CTA-0001	1	JOINT BRKT L	
8	CTA-0002	1	JOINT BRKT R	
9	CTF-3013UK	1	STICKER CONTROL PANEL CCT	Multilingual
10	CTF-3001UK	1	BILLBOARD PLATE U/R	
101	540-0006-01	1	WRENCH M4 TMP PRF	
102	540-0015-01	1	WRENCH M6 TMP PRF	
103	514-5078-5000	1	FUSE 5X20 CERAMIC SB 5000mA	
104	OS1019	2	SELF SEAL BAG 9X12.3/4	
105	440-CS0186UK	1	STICKER C EPILEPSY MULTI	
201	030-000820-SB	7	M8X20 BLT W/S BLK	(4)-5,(7)-1,(8)-1
202	068-852216-0B	7	M8 WSHR 22OD FLT BLK	(4)-5,(7)-1,(8)-1
203	008-T00412-0B	2	M4X12 TMP PRF TH BLK	(BILLBOARD)-2
204	020-000625	2	M6X25 CAP SCR PAS	(CABI JOINT TO #4)-2
205	060-F00600	2	M6 WSHR FORM A FLT PAS	(CABI JOINT TO #4)-2
208	008-T00416-0B	8	M4X16 TMP PRF TH BLK	(12)-4,(13)-4
402	420-6831-02UK	1	SERVICE MANUAL CTF U/R	
403	420-3129-P	1	SERVICE MANUAL PENT 31K	
404	420-6620UK	1	SERVICE MANUAL GD ROM SYSTEM	
405	509-5080	2	SW MICRO TYPE (SS-5GL2)	
406	LM1227	1	LOOM EUROLEAD 10A WITH UK PLUG	
407	LM1246	1	EUROLEAD 10A EUROPEAN SOCKET	

11.17. NOA-1200UK ASSY CRT COVER UK



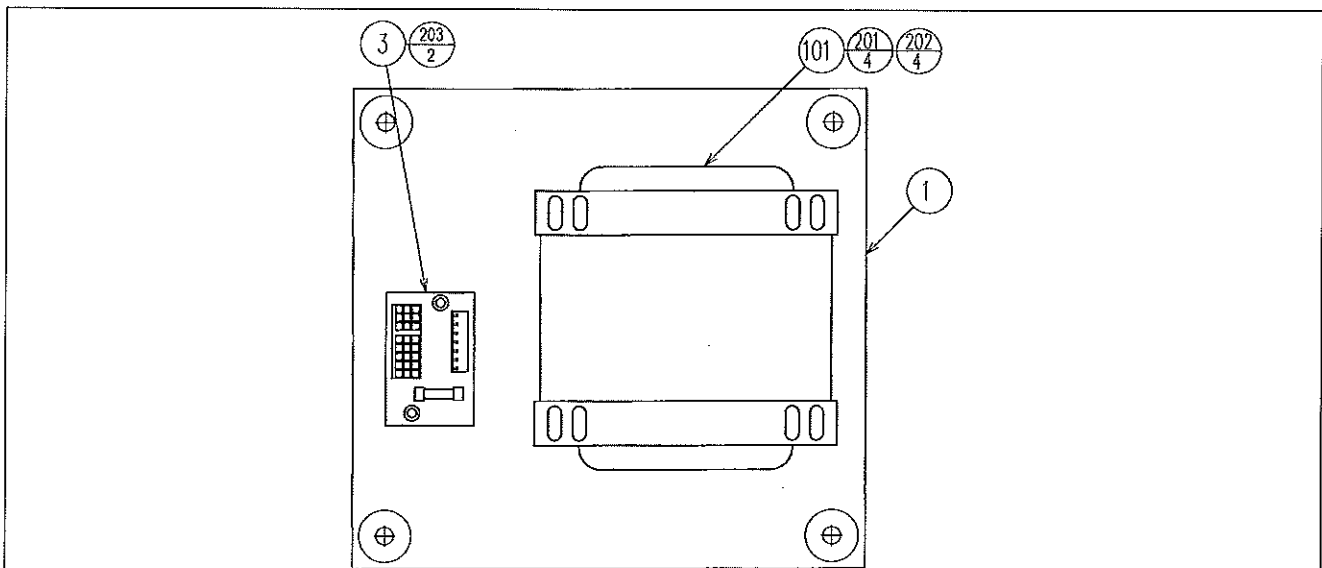
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	NOA-1201UK	1	CRT COVER	
2	NOA-1202	1	SPEAKER BOX	
3	RND-0037	0.38	TAPE SPEAKER BOX 2 SIDED	(2)-0.19
101	130-5205	2	SPEAKER 40HM 10W 100 W/S	
102	000-P00410-W	8	M4X10 MSCR POSI PAN W/FS	(101)-8
103	340042	6	RIVET BULBEX 3/16 BF01-0630	(2)-6
301	NOA-60031	1	WIRE HARN SPEAKER L	[NOT SHOWN]
302	NOA-60032	1	WIRE HARN SPEAKER R	[NOT SHOWN]

11.18. NOA-1300 ASSY BILLBOARD



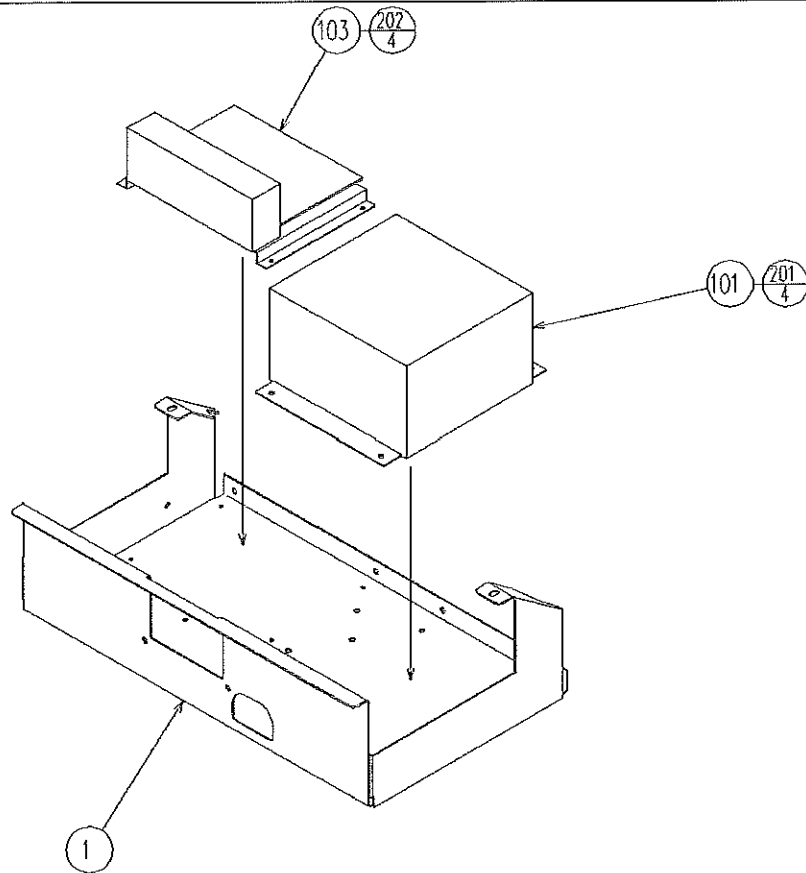
No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	NOA-1301X	1	BILLBOARD PLATE	
2	NOA-1302UK	1	BILLBOARD SHEET	
201	008-T00408-OC	3	M4X8 MSCR TMP PRF TH CRM	(2)-3

11.19. HDT-4100UK ASSY XMFR



No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	HDT-4101UK	1	XFMR BASE	
3	838-11856CE-02	1	CONN BD W/FUSE 6.3A CE	
101	560-5422XUK	1	XFMR NOB	
201	000-P00416-W	4	M4X16 MSCR PAN W/FS PAS	(101)-4
202	068-441616	4	M4 WSHR 16OD FLT PAS	(101)-4
203	012-P00325	2	N4X1" S/TAP PAN PAS	(3)-2

11.20. CTF-4050UK ASSY ELEC



No.	PART NUMBER	QTY	DESCRIPTION	COMPONENT REFERENCE
1	CTH-4001	1	ELEC BASE	
101	400-5443-01	1	SW REGU FOR CHIHIRO VA	
103	838-13616	1	AUDIO POWER AMP 2CH	
107	280-A02048-PM	4	ROUTER TWIST D20 SO4.8 PAN LG	
108	601-6231-B095	9,5	EDGE TRIM NEW TYPE 0.91t	(1) BACK EDGE IN MIDDLE
110	280-A01248-PM	2	ROUTER TWIST D12 SO4.8 PAN MED	
111	280-A02000-A	1	ROUTER TWIST D20 ADH	
201	010-P00408	4	M4X8 S-TITE PAN PAS	(101)-4
202	010-P00308	4	M3X8 S-TITE PAN PAS	(103)-4
303	CTF-61013UK	1	WH SW REGU	
304	NOA-60014	1	WIRE HARN I/O BD PWR	
305	NOB-60202UK	1	WIRE HARN AUDIO POWER-IN	
306	600-7159-039	1	WIRE HARN JVS PWR 039CM	

12. APPENDIX A - ELECTRICAL SCHEMATIC

12.1. WIRE COLOURS

THE WIRE COLOUR CODE IS AS FOLLOWS:

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

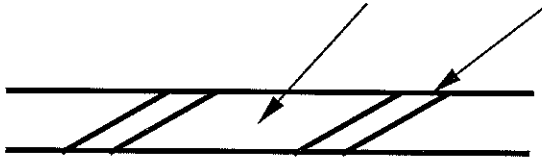
Wires other than those of any of the colours listed above will be displayed by 2 alphanumeric characters:

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

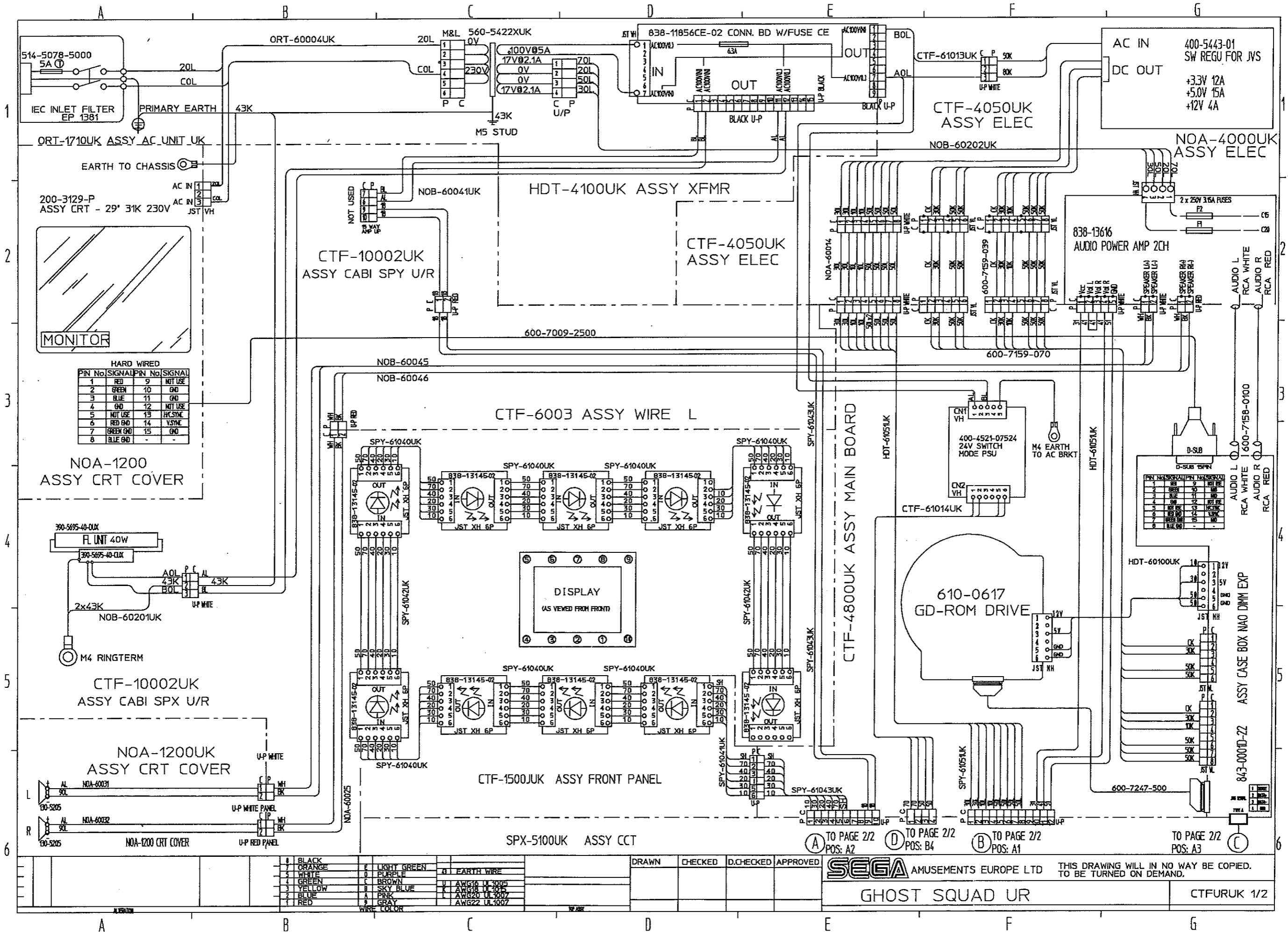


Note 2: The character following the wire colour code indicates the size of the wire.

K:	AWG18, UL1015
L:	AWG20, UL1007
None	AWG22, UL1007

12.2. ELECTRICAL SCHEMATIC

The following pages contain the electrical schematic for this machine.



HARD WIRED

PIN No.	SIGNAL	PIN No.	SIGNAL
1	RED	9	NOT USE
2	GREEN	10	GD
3	BLUE	11	GD
4	GD	12	NOT USE
5	NOT USE	13	HC50K
6	RED GD	14	V50K
7	GREEN GD	15	GD
8	BLUE GD		

WIRE COLOR

8	BLACK	F	LIGHT GREEN	Q	EARTH WIRE
7	ORANGE	E	PURPLE	U	AWG16 UL 1007
6	WHITE	C	BROWN	K	AWG18 UL 1007
5	GREEN	A	SKY BLUE	L	AWG20 UL 1007
4	YELLOW	P	PINK		AWG22 UL 1007
3	BLUE		GRAY		
2	RED				

DRAWN	CHECKED	D.CHECKED	APPROVED

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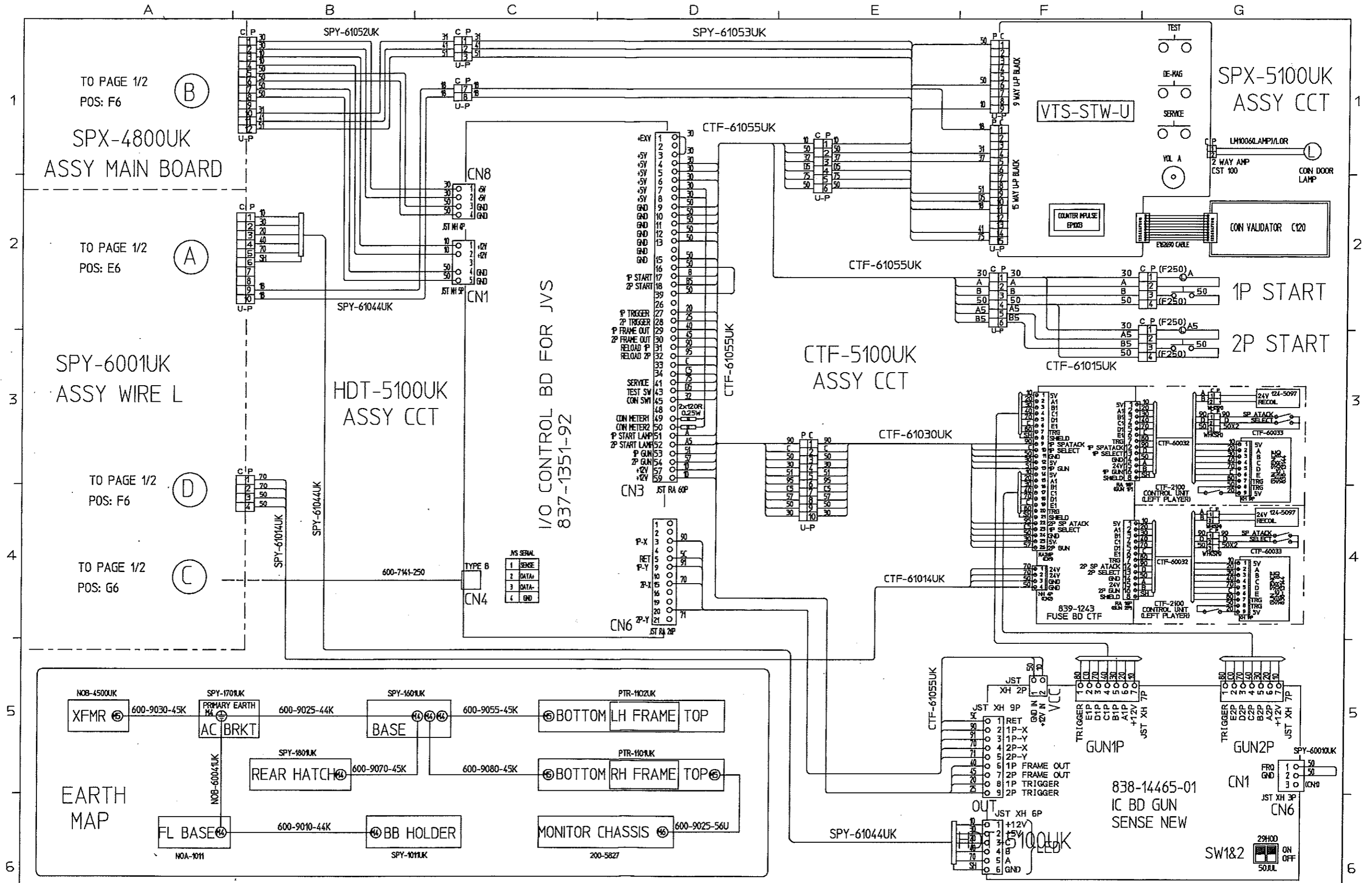
GHOST SQUAD UR

CTFURUK 1/2

(A) TO PAGE 2/2 POS: A2 (D) TO PAGE 2/2 POS: B4 (B) TO PAGE 2/2 POS: A1

(C) TO PAGE 2/2 POS: A3





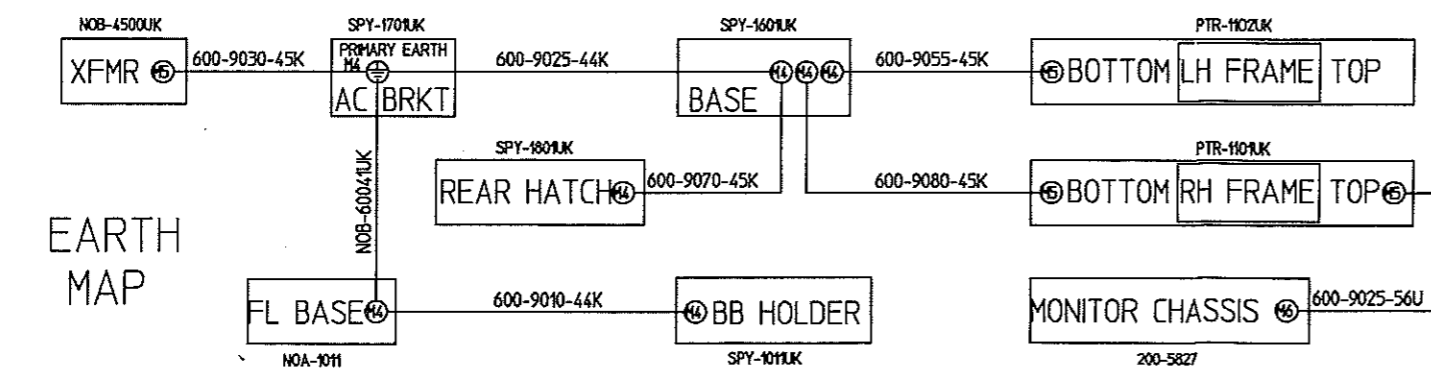
TO PAGE 1/2
POS: F6
(B)
SPX-4800UK
ASSY MAIN BOARD

TO PAGE 1/2
POS: E6
(A)

TO PAGE 1/2
POS: F6
(D)
SPY-6001UK
ASSY WIRE L

TO PAGE 1/2
POS: G6
(C)

I/O CONTROL BD FOR JVS
837-1351-92



ALTERATION		WIRE COLOR		TOP-ASS'Y		DRAWN	CHECKED	D CHECKED	APPROVED	SEGA AMUSEMENTS EUROPE LTD THIS DRAWING WILL IN NO WAY BE COPIED, TO BE RETURNED ON DEMAND.		GHOST SQUAD UR		CTFUK 2/2	
8	BLACK	E	LIGHT GREEN	SOL	WHITE AWG20					DESCRIPTION		DIAGRAM No.			
7	ORANGE	D	PURPLE	51	WHITE RED										
5	WHITE	C	BROWN	50	WHITE										
4	GREEN	B	SKY BLUE	EXAMPLE											
3	YELLOW	A	PINK	U	AWG16 UL1015										
2	BLUE	9	GRAY	X	AWG18 UL1015										
1	RED	8	GRAY	L	AWG22 UL1007										

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