

STS Copy  
SERVICE MANUAL

# SEGA

## The Ocean Hunter

The Seven Seas Adventure

SUPER-DELUXE TYPE



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**IMPORTANT!**

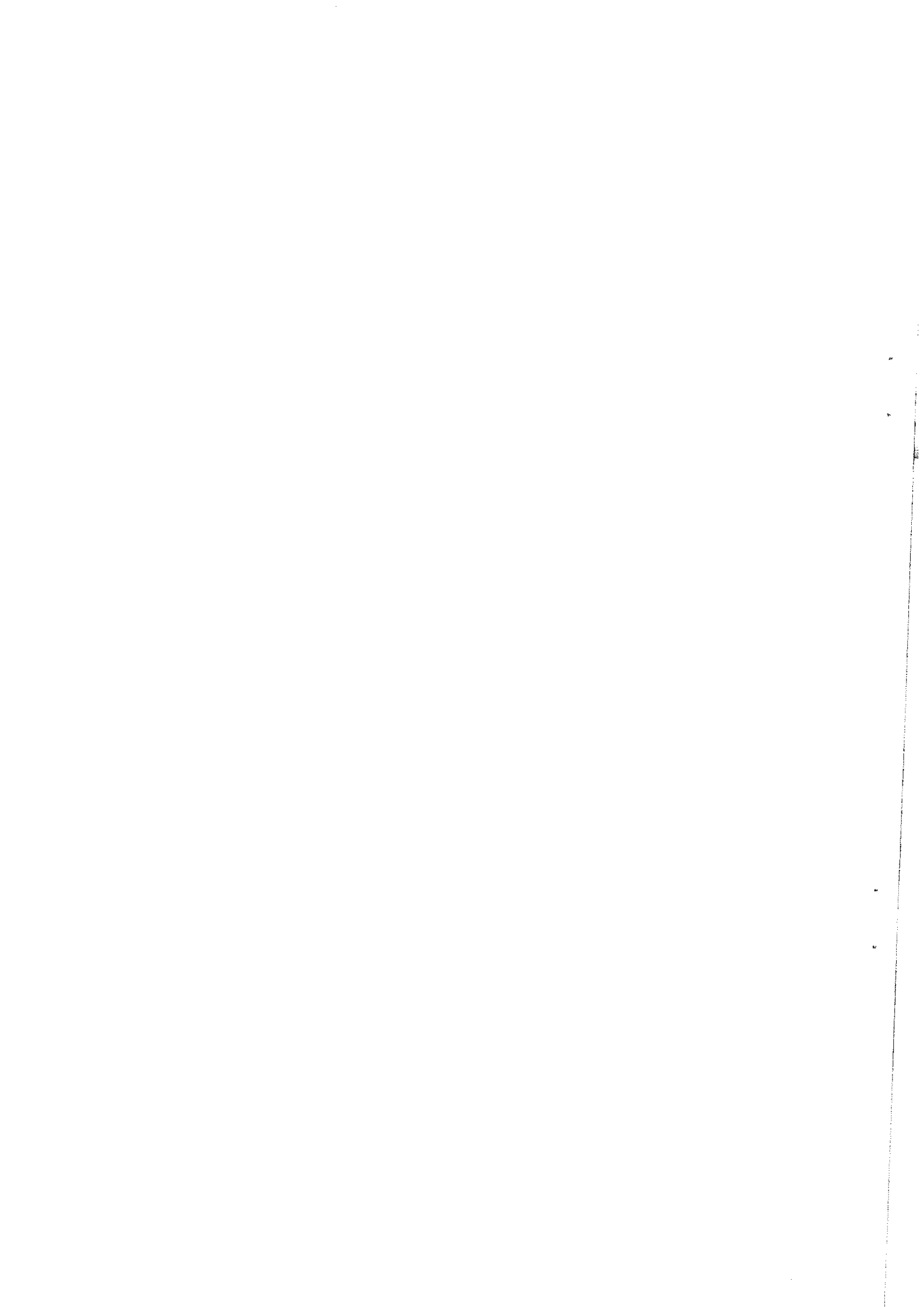
Before using this product, read this SERVICE MANUAL carefully to understand the contents stated herein. After reading this manual, be sure to keep it available nearby the product or somewhere convenient in order to be able to refer to it whenever necessary.

Manufactured in the UK by

# SEGA



MANUFACTURING DIVISION (U.K.)



## SAFETY WARNINGS

(A) (CH) (D)

### BETRIEBSANLEITUNG FÜR VIDEO-GAMES

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

(DK)

### BETJENINGSVEJLEDNING FOR VIDEO-GAMES

Denne betjeningsvejledning hører til apparatet og må ikke fjernes !!

(E)

### INSTRUCCIONES DE SERVICIO PARA JUEGOS DE VÍDEO

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

(F) (B) (CH)

### INSTRUCTIONS DE SERVICE POUR JEUX VIDEO

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

(FIN)

### VIDEOPELIAUTOMAATTIEN KÄYTTÖOHJEET

Nämä käyttöohjeet kuuluvat laitteeseen eikä niitä saa poistaa!!

(I) (CH)

### ISTRUZIONI D'USO PER VIDEOGAMES

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

(N)

### BRUKERVEILEDNING FOR VIDEO GAMES

Denne brukerveiledningen hører til maskinen og må ikke fjernes !!

(NL)

### GEBRUIKSAANWIJZING VOOR VIDEOGAMES

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

(P)

### INSTRUÇÕES DE SERVIÇO PARA OS JOGOS DE VÍDEO

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

(S)

### BRUKSANVISNING FÖR TV-SPEL

Denna bruksanvisning hör till apparaten och får inte avlägsnas!

(GR)

### ΟΔΗΓΙΕΣ ΛΕΙΤΟΥΡΓΙΑΣ ΓΙΑ VIDEO-GAMES

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

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## 1. Vorwort

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

Änderungen in diesem Handbuch durch Neuauflagen vorbehalten.

### EC-Konformitätserklärung

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

## 2. Sicherheitshinweise

### 2.1. Begriffsdefinition



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

### 2.2. Allgemeine Erläuterungen

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

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

Betriebsanleitung unbedingt an sicherer Stelle für den späteren Gebrauch aufbewahren !

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

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

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

### 2.3. Grundsätzliche Sicherheitshinweise

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

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

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

Beschädigte oder fehlende Warnhinweise am Gerät sind sofort zu ersetzen.



**WARNUNG !! Implosionsgefahr der Bildröhre und Neonröhren**

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



**WARNUNG !! Gefahr durch elektrischen Schlag**

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



**WARNUNG !! Brandgefahr**

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

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

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

Nur Original-Ersatzteile verwenden.

**Nichtbefolgung der oben genannten Punkte kann lebensgefährlich sein !**

### **3. Geräteüberprüfung**

#### **3.1. Kontrolle nach Anlieferung**

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

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

Beigepacktes 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 Zubehöerteile 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 Zubehöerteile aufstecken.

Schutzleiterverbindungen sicher herstellen.

Montagehinweise siehe Original-Handbuch.

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

#### 4.2.2.1. Video-Standgerät, mögliche Lieferformen:

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

#### 4.2.2.2. Video-Sitzgerät, mögliche Lieferformen:

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

### 4.3. Inbetriebnahme

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

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

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

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



#### **WARNUNG !! Brandgefahr**

Auf keinen Fall das Gerät in diesem Zustand weiter betreiben.

### 4.4. Einstellungen

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



#### **WARNUNG !! Gefahr durch elektrischen Schlag**

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

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

## 5. Inspektion, Wartung und Pflege

### 5.1. Allgemeine Hinweise



#### **WARNUNG !! Gefahr durch elektrischen Schlag**

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

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

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

### 5.2. Wartung

Das Gerät selbst ist wartungsfrei.



### 5.3. Reinigen des Gehäuses und des äußeren Bildschirms

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

## 6. Service

### 6.1. Allgemeine Hinweise



**WARNUNG !! Gefahr durch elektrischen Schlag**

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

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

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

### 6.2. Austausch defekter Beleuchtungskörper

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

## 7. Ausserbetriebnahme

### 7.1. Allgemeine Hinweise



**WARNUNG !! Gefahr durch elektrischen Schlag**

Unbedingt die Sicherheitshinweise in Kapitel 2 beachten.

### 7.2. Demontage

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

### 7.3. Umstellung

Umtransport und Wiederinbetriebnahme wie im Kapitel 4 beschrieben durchführen.

### 7.4. Entsorgung

Durch zugelassenes Fachunternehmen entsorgen lassen.

## 8. Warnhinweise

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

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

Betriebsanleitung unbedingt an sicherer Stelle für den späteren Gebrauch aufbewahren !

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## 1. Forord

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

Med forbehold mod ændringer i denne håndbog ved 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

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

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

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

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

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

Sikkerhedshenvisningerne skal ubetinget overholdes ! Det gælder Deres sikkerhed.

### 2.3. Principielle sikkerhedshenvisninger

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

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

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

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



**ADVARSEL !! Implosionsfare for billedrør og neonrør**

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



**ADVARSEL !! Fare for elektriske stød**

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



**ADVARSEL !! Brandfare**

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

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

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

Anvend kun originale reservedele.

**Ignorering af de ovenfor nævnte punkter kan være livsfarligt !**

### **3. Apparatcheck**

#### **3.1. Kontrol ved levering**

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

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

Vedlagte monteringsmateriale tages ud af apparatet eller kasseboksen.

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



**ADVARSEL !! Fare for elektriske stød**

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

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

### **4. Transport, opstilling og idrifttagning**

#### **4.1. Valg af opstillingssted og transport**

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

eller fejl i apparatets indre. Undgå direkte sollys.

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

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

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

Apparatet må ikke placeres i nærheden af:

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

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

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

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

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

Netledningen forlægges således, at der ikke opstår 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 alle stelforbindelser til alle berørbare metaldele kontrolleres af en elektrofagmand for korrekt forbindelse!

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

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



#### **ADVARSEL !! Brandfare**

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

### 4.4. Indstillinger

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



#### **ADVARSEL !! Fare for elektriske stød**

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

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

## 5. Inspektion, vedligeholdelse og pleje

### 5.1. Generelle henvisninger



#### **ADVARSEL !! Fare for elektriske stød**

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

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

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

### 5.2. Vedligeholdelse

Apparatet er vedligeholdelsesfrit.

### 5.3. Rengøring af kabinet og ydre billedskærm

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

## 6. Service

### 6.1. Generelle henvisninger



**ADVARSEL !! Fare for elektriske stød**

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

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

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

### 6.2. Udskiftning af defekte belysningselementer

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

## 7. Demontering

### 7.1. Generelle henvisninger



**ADVARSEL !! Fare for elektriske stød**

Overhold ubetinget sikkerhedshenvisningerne i kapitel 2.

### 7.2. Demontering

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

### 7.3. Genopstilling

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

### 7.4. Destruering

Destruering må kun gennemføres af et autoriseret firma.

## 8. Advarselshenvisninger

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

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

Betjeningsvejledningen skal til senere brug ubetinget opbevares et sikkert sted!

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## 1. Prefacio

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

Reservadas las modificaciones a este manual en nuevas ediciones.

### Declaración de conformidad de la CEE

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

## 2. Avisos de seguridad

### 2.1. Definición



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

### 2.2. Aclaraciones generales

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

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

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

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

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

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

### 2.3. Avisos básicos de seguridad

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

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

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

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



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



**¡¡ATENCIÓN !! Peligro de sacudidas eléctricas**

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



**¡¡ATENCIÓN !! Peligro de incendio**

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

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

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

Utilice solamente piezas originales de repuesto.

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

### **3. Control del aparato**

#### **3.1. Control después de la entrega**

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

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

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

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



**¡¡ATENCIÓN !! Peligro de sacudidas eléctricas**

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

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

## 4. Transporte, instalación y puesta en servicio

### 4.1. Elección del lugar de montaje y transporte

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

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

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

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

No colocar el aparato cerca de:

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

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

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

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

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

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

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

### 4.2. Instalación y montaje del aparato

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



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

Cumplir necesariamente los avisos de seguridad del capítulo 2.3.

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

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

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

Establecer las conexiones seguras de toma de tierra.

Para los avisos de montaje véase el manual original.

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

##### 4.2.2.1. Aparato de vídeo de pie, suministros posibles:

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

##### 4.2.2.2. Aparato de vídeo con asiento suministros posibles:

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

### 4.3. Puesta en servicio

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

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

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

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



#### !!ATENCIÓN !! Peligro de incendio

No ponga en funcionamiento en ningún caso el aparato averiado.

### 4.4. Ajustes

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



#### !!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

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

## 5. Inspección, mantenimiento y cuidado

### 5.1. Avisos generales



#### !!ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

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

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

## 5.2. Mantenimiento

El aparato en sí no precisa mantenimiento.

## 5.3. Limpieza del cuerpo y de la pantalla exterior

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

## 6. Servicio

### 6.1. Avisos generales



#### ¡¡ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

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

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

### 6.2. Cambio de las lámparas defectuosas

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

## 7. Puesta fuera de servicio

### 7.1. Avisos generales



#### ¡¡ATENCIÓN !! Peligro de sacudidas eléctricas

Cumplir necesariamente los avisos de seguridad del capítulo 2.

### 7.2. Desmontaje

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

### 7.3. Transporte

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

### 7.4. Gestión residual

Encargar la gestión residual a una empresa autorizada.

## 8. Avisos de peligro

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

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

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

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## 1. Avant-propos

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

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

### Déclaration de conformité CE

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

## 2. Instructions de sécurité

### 2.1. Définition des termes employés



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

### 2.2. Explications d'ordre général

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

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

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

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

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

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

### 2.3. Instructions de sécurité de base

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

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

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

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



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

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



**ATTENTION !! Risques d'électrocution**

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



**ATTENTION !! Risques d'incendie**

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

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

Dans le cas d'une recherche d'erreur, ne jamais retirer les connexions enfichables 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.

# SISÄLLYSLUETTELO

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## 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 turvallisuusdirektiivien 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 turvallisuusyistä nimenomaisesti kiellettyjä.

Lisäkysymyksissä tai epäselvässä tapauksessa tulee ottaa yhteyttä myyntiliikkeeseen.

Turvaohjeita on noudatettava tarkasti! Kysymys on omasta turvallisuudestasi.

### 2.3. Perustavanlaatuisia turvaohjeita

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

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

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

Laitteen vioittuneet tai puuttuvat varoitukset on vaihdettava heti uusiin.

**VAROITUS !! Kuvaputken ja neonputkien räjähdysvaara**

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

**VAROITUS !! Sähköiskun vaara**

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

**VAROITUS !! Tulipalon vaara**

Sulakkeet saa vaihtaa vain määräysten mukaisiin sulakkeisiin. Peliautomaatin 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, näkyykö siinä kuljetusvaurioita. Näkyvät vauriot tulee merkitä laitteen toimittaneen huolitsijan huolintapapereihin tai ilmoitettava välittömästi tavarán 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.

Laitte 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

Laitte 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. Seisomallinen 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. Istumamallinen videopeliautomaatti, mahdolliset toimitusmuodot:

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

### 4.3. Käyttöönotto

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

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

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

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



#### **VAROITUS !! Tulipalon vaara**

Missään tapauksessa viallisen laitteen käyttämistä ei saa jatkaa korjaamattomana.

### 4.4. 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

Laite itse ei tarvitse huoltoa.

### 5.3. Kotelon ja kuvaruudun ulkopinnan puhdistaminen

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

## 6. Huolto

### 6.1. Yleisiä ohjeita



**VAROITUS !! Sähköiskun vaara**

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

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

Epäselvässä tapauksessa on ehdottomasti käytettävä myyntiliikkeen asiantuntevaa apua!

### 6.2. Viallisten valaisimien vaihtaminen

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

## 7. Käytöstäotto

### 7.1. Yleisiä ohjeita



**VAROITUS !! Sähköiskun vaara**

Luvun 2 turvaohjeet on ehdottomasti otettava huomioon.

### 7.2. Purkaminen

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

### 7.3. Siirtäminen

Laitteen siirtäminen ja jälleenkäyttöön otto suoritetaan luvussa 4 selostetulla tavalla.

### 7.4. Hävittäminen

Laite annetaan 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 fissandovelo. La caduta dell'apparecchio può causare l'implosione del tubo catodico o del neon. Le schegge derivanti dall'implosione possono arrecare serie lesioni personali.



**AVVERTENZA !! Pericolo di folgorazione**

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



**AVVERTENZA !! Pericolo di incendio**

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

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

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

Utilizzare esclusivamente ricambi originali.

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

### **3. Verifica dell'apparecchio**

#### **3.1. Controllo dopo la fornitura**

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

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

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

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



**AVVERTENZA !! Pericolo di folgorazione**

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

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

## **4. Trasporto, montaggio e messa in esercizio**

### **4.1. Scelta del luogo di montaggio e trasporto**

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

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

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

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

Non piazzare l'apparecchio nelle vicinanze di:

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

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

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

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

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

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

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

### **4.2. Posa e montaggio dell'apparecchio**

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



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

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2.3.

#### 4.2.1. Apparecchio video da bacheca

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

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

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

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

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

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

##### 4.2.2.1. Apparecchio video statico, possibili stati di fornitura

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

##### 4.2.2.2. Apparecchio video a sedere, possibili stati di fornitura

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

### **4.3. Messa in esercizio**

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

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

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

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



### **AVVERTENZA !! Pericolo di incendio**

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

### **4.4. Impostazioni**

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

**AVVERTENZA !! Pericolo di folgorazione**

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

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

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

Osservare assolutamente le indicazioni di sicurezza contenute nel capitolo 2

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

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

**5.2. Manutenzione**

L'apparecchio di per sè non richiede alcuna manutenzione.

**5.3. Pulizia dell'involucro e dello schermo esterno**

1. Spegnerne l'apparecchio e staccare la spina elettrica!
2. Detergere l'involucro e lo schermo esterno con un panno morbido e inumidito (non bagnato) usando un detergente dolce (non usare 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 tilfelle og spesielt ved problemer med original-håndboken av språklig eller annen type er det absolutt nødvendig å innhente sakkyndig hjelp hos forhandleren!

Rett til endringer i denne håndboken ved nye opplag forbeholdes.

### EF-konformitetserklæring

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

## 2. Sikkerhetsinformasjoner

### 2.1. Begrepsdefinisjon



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

### 2.2. Generelle forklaringer

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

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

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

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

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

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

### 2.3. Prinsipielle sikkerhetsinformasjoner

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

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

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

Skadede eller manglende advarsler på maskinen skal erstattes omgående.



**ADVARSEL !! Implosjonsfare for billedrøret og neonrørene**

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



**ADVARSEL !! Fare for elektrisk støt**

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



**ADVARSEL !! Brannfare**

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

Ved en defekt skal nettstøpselet omgående trekkes ut av 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 tilsvare 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 seteenheden 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 baksida 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 gummihefter under maskinens føtter.

Alle komponentgrupper og pluggforbindelser skal kontrolleres med hensyn til om de sitter godt. Spesielle jordlederforbindelser for alle berørbare metaldeler 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 stikkkontakten 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 klistremarker, 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. Reserveonderdeelnnummers, 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 direct na de levering op transportschade onderzoeken. Zichtbare beschadigingen op de leverantiebewijs van de leverende expediteur noteren of direct na ontvangst van de goederen melden om uw aanspraken veilig te stellen.

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



### **WAARSCHUWING!! Gevaar door elektrische schokken**

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

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

## **4. Transport, opstelling en inbedrijfstelling**

### **4.1. Keuze van de opstellingsplaats en transport**

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

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

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

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

Apparaat niet in de nabijheid van:

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

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-balietoestellen 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, leverborm

- 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 leverbormen

- 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.

Assegurar a ligação do condutor de protecção.

Para as instruções de montagem ver o manual de origem.

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

**4.2.2.1. Consola Vídeo Vertical**, possíveis formas de fornecimento:

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

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

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

### 4.3. Colocação em serviço

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

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

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

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



#### **AVISO !! Perigo de incêndio**

Em caso algum continuar a utilizar o equipamento enquanto defeituoso

### 4.4. Afinação

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



#### **AVISO !! Perigo de choque eléctrico**

Cumprir absolutamente as directivas de segurança do ponto 2.

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

## 5. Inspeção, Manutenção e Limpeza

### 5.1. Considerações gerais



#### **AVISO !! Perigo de choque eléctrico**

Cumprir absolutamente as directivas de segurança do ponto 2.

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

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

### 5.2. Manutenção

O equipamento em si é livre de manutenção.

### 5.3. Limpeza da caixa exterior e do écran

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

## 6. Assistência

### 6.1. Considerações gerais



#### **AVISO !! Perigo de choque eléctrico**

Cumprir absolutamente as directivas de segurança do ponto 2.

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

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

### 6.2. Substituição das Lâmpadas de Iluminação quando estragadas

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

## 7. Retirar de serviço

### 7.1. Considerações gerais



#### **AVISO !! Perigo de choque eléctrico**

Cumprir absolutamente as directivas de segurança do ponto 2.

### 7.2. Desmontagem

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

### 7.3. Deslocamento

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

### 7.4. Reciclagem

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

## 8. Aviso de precaução

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

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

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

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## 1. Förord

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

Med förbehåll för ändringar genom nya upplagor av denna handbok.

### EG-försäkran om överensstämmelse

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

## 2. Säkerhetsanvisningar

### 2.1. Begreppsdefinitioner



**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.



**VARNING !!**

**Implosionsrisk för bildrör och neonrör**

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



**VARNING !!**

**Risk för elektriska stötar**

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



**VARNING !!**

**Brandfara**

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

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

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

Använd endast original reservdelar!

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

### 3. Apparatkontroll

#### 3.1. Kontroll efter mottagningen

Undersök apparaten direkt när den mottagits för att konstatera ev. transportskador. Notera synliga skador på mottagningsbeviset från 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.



**VARNING !!**

**Risk för elektriska stötar**

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

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

### 4. Transport, uppställning och drifttagning

#### 4.1. Val av uppställningsplats och transport

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

Kontrollera transportvägar och -möjligheter till uppställningsplatsen innan transporten utförs.

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

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

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

Placera inte apparaten i närheten av:

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

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

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

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

Överbelasta inte det strömnät som apparaten är ansluten till.

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

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

## 4.2. Uppställning och montering av apparaten

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



**WARNING !!**

**Implosionsrisk för bildrör och neonrör**

Säkerhetsanvisningarna i avsnitt 2.3 måste ovillkorligen följas!

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

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

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

Upprätta säkra skyddsledarförbindelser.

För monteringsanvisningar, se originalhandboken.

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

#### 4.2.2.1. TV-spel i ståautomater; leveransalternativ:

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

#### 4.2.2.2. TV-spel i sittautomater; leveransalternativ:

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

### 4.3. 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.



**VARNING !!**

**Brandfara**

Den defekta apparaten får under inga omständigheter tas i bruk.

### 4.4. Inställningar

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



**VARNING !!**

**Risk för elektriska stötar**

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

Om du är osäker, kontakta alltid din återförsäljare.

## 5. Inspektion, underhåll och service

### 5.1. Allmänna anvisningar



**VARNING !!**

**Risk för elektriska stötar**

Säkerhetsanvisningarna i avsnitt 2 måste ovillkorligen följas!

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

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

### 5.2. Underhåll

Själva apparaten är underhållsfri.



### 5.3. Rengöring av huset och den yttre bildskärmen

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

## 6. Service

### 6.1. Allmänna anvisningar



**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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## 1. Πρόλογος

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

Διατηρούμε το δικαίωμα αλλαγών του παρόντος εγχειριδίου σε νέες εκδόσεις.

### Δήλωση Ανταπόκρισης Ε.Ε.

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

## 2. Υποδείξεις ασφαλείας

### 2.1. Ορισμός έννοιας



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

### 2.2. Γενικές εξηγήσεις

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

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

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

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

Σε περίπτωση περαιτέρω ερωτήσεων ή αμφιβολιών απευθυνθείτε στον αντιπρόσωπό σας.

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

### 2.3. Βασικές υποδείξεις ασφαλείας

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

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

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

Πρέπει να γίμεται αμέσως αντικατάσταση χαλασμένων ή ανύπαρκτων προειδοποιητικών υποδείξεων.



**ΠΡΟΣΟΧΗ !!**

**Εσωτερική έκρηξη λυχνίων και λαμπτήρων αερίου νέου**

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



**ΠΡΟΣΟΧΗ !!**

**Κίνδυνος ηλεκτροπληξίας**

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



**ΠΡΟΣΟΧΗ !!**

**Κίνδυνος πυρκαγιάς**

Η αντικατάσταση των ασφαλειών επιτρέπεται να γίνεται μόνο με τις 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 βγάξετε από τη συσκευασία. Το μοντάρισμα των εξαρτημάτων αυτών πρέπει να γίνει στον τόπο εγκατάστασης, διαφορετικά υπάρχει κίνδυνος βλάβης κατά τη μεταφορά.

## **4. Μεταφορά, εγκατάσταση και θέση λειτουργίας**

### **4.1. Επιλογή τόπου εγκατάστασης και μεταφορά**

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

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

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

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

Μην τοποθετείτε τη συσκευή κοντά σε:

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

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

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



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

### 4.4. Ρυθμίσεις

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



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

Σε περίπτωση αμφιβολιών απευθυνθείτε οπωσδήποτε στον αντιπρόσωπό σας!

## 5. 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 the safe usage of the product, be sure to read the following before using the product. The following instructions are intended for the use of QUALIFIED SERVICE PERSONNEL ONLY. After carefully reading and sufficiently understanding the instructions should any activity be carried out on the product. Only qualified service personnel should carry out maintenance on the product.

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



**WARNING!**

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



**CAUTION!**

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



**IMPORTANT!**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **1.1. INSPECTIONS IMMEDIATELY AFTER TRANSPORTING THE PRODUCT TO THE LOCATION**



**IMPORTANT!**

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

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

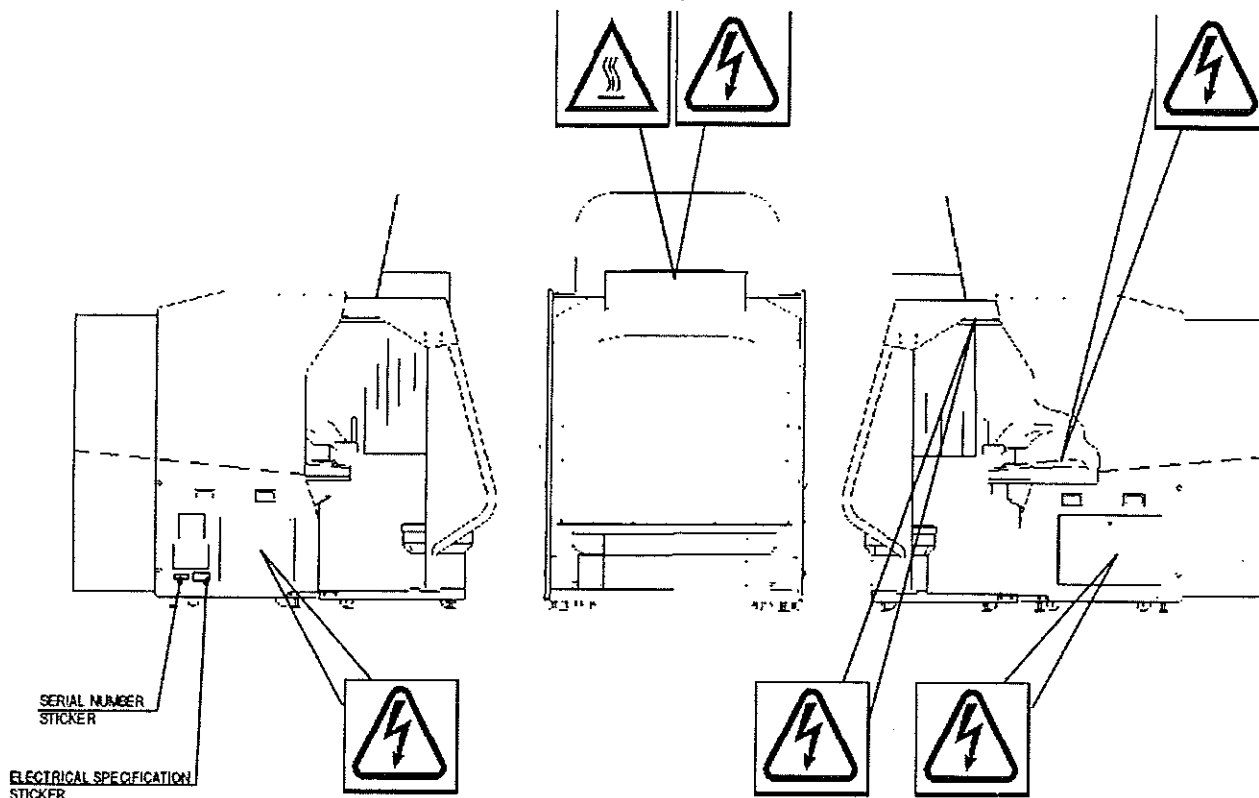
- Are there any dented parts or defects (cuts, etc.) on the external surfaces of the product.?
- Are castors and leg adjusters present and undamaged?
- Do the power supply voltage and frequency requirements meet with the local supply?
- Are all wiring connectors correctly and securely connected? Unless 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.



SPECIFICATIONS		
Installation Space (cm):	286W x 249D	
Height (cm):	245	(INCLUDING POP PANEL)
Weight (kg):	376	
Power, Max:	Rated Voltage (V.AC):	230
	Rated Current (A):	2.9
Operating Temperature Range	5-30°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, electromechanicals, servicing controls, spare parts, etc. as regards The Ocean Hunter Super Deluxe, a new SEGA product. This manual is intended for those who have knowledge of electricity and technical expertise especially in IC's, CRT's, microprocessors etc.. Carefully read this manual to acquire sufficient knowledge before working on the machine. Should there be any malfunction, non technical personnel should under no circumstances touch the interior systems. Should such a situation arise contact the nearest branch listed below or our head office.

### **SEGA AMUSEMENTS EUROPE LTD./ SEGA SERVICE CENTRE**

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Madrid  
Spain

Telephone: +34(1) 6315000  
Fax: +34(1) 6400689

### 3. INSTALLATION AND SERVICE INSTRUCTIONS



**IMPORTANT!**

- Installation and commissioning should only be carried out by QUALIFIED SERVICE PERSONNEL.

#### 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:**

- This machine should only be installed by Qualified Service Personnel.
- 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.
- Do not use a water hose or jet to clean the machine.



**IMPORTANT!**

- 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.

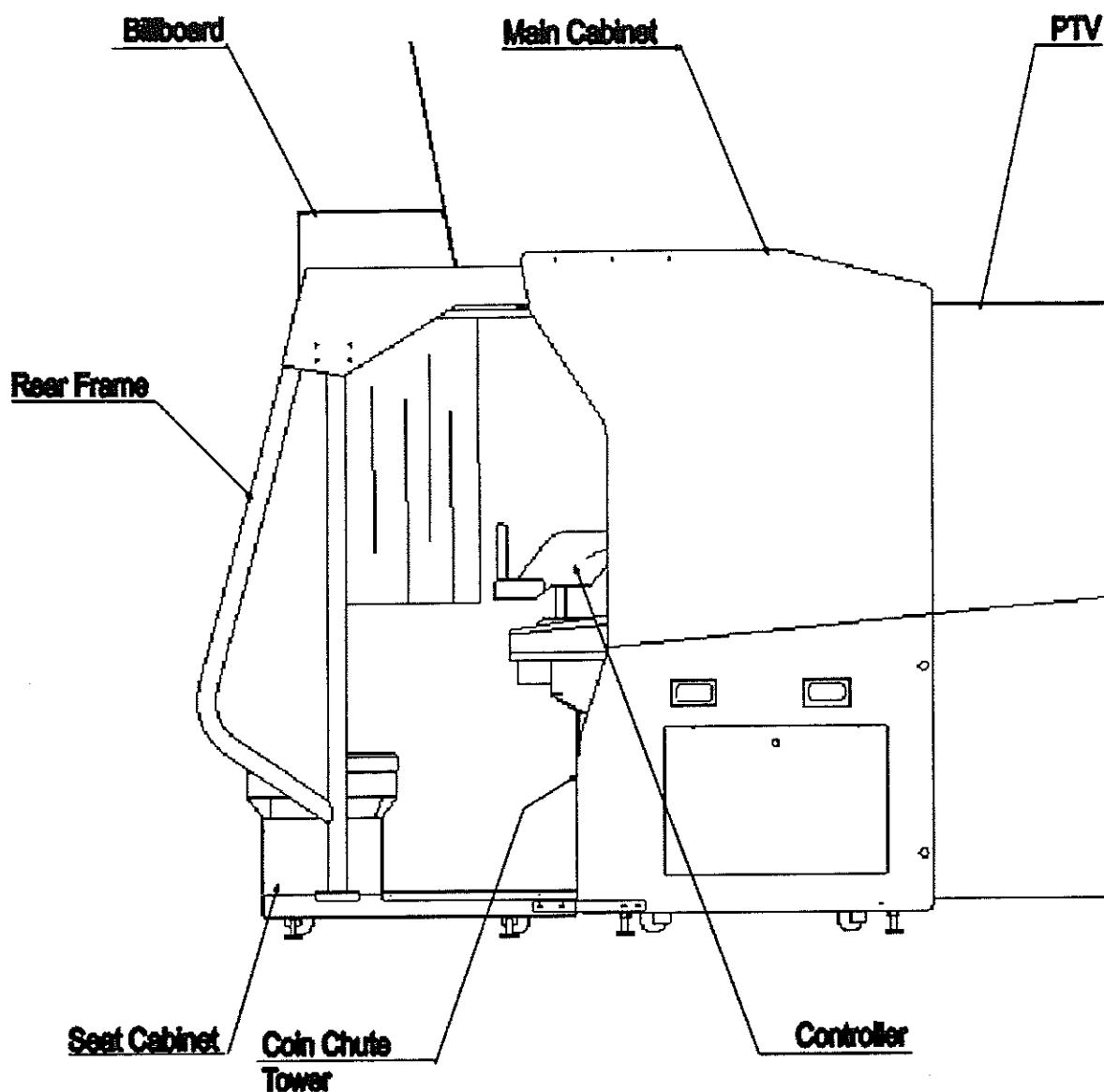
#### 3.2. COIN HANDLING

As standard Sega machines are fitted with a C220 coin mechanism and door, 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 3.5.4. 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 C220
- Generic mechanical
- Mars (MS111B1 and ME115)
- S.E.C.I RM4-G20

### 3.3. NAME OF PARTS



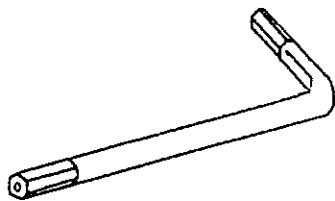
	Width (cm)	Length (cm)	Height (cm)	Approx. Weight (kg)
Main cabinet	127	120	182	160
Seat cabinet	122	103	161	80
PTV	114	58	167	91
Billboard	122	113	43	45
When Assembled	127	248	241	376



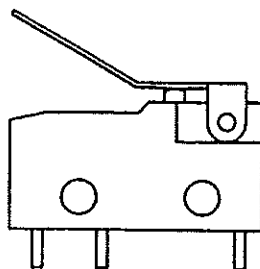
### 3.4. ACCESSORIES

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

D. No	PART NUMBER	DESCRIPTION	QTY
1	OCN-5000UK	ASSY BILLBOARD	1
2	OCN-5200UK	ASSY REAR FRAME	1
3	OCN-5003UK	SEAT JOINT BRKT	2
4	OCN-5100UK	ASSY SEAT CABI	1
7	OCN-5307UK	PTV JOINT BRKT	2
8	OCN-5308UK	SHOULDER BOLT	4
9	OCN-5309UK	RUBBER SLEEVE	4
10	422-0701UK	PLAY INSTR OCN S/DX MULTI	1
11	OCN-5310UK	POP PANEL OCN S/DX	1
12	420-6419-01UK	SERVICE MANUAL OCN S/DX	1
17	OCN-5313UK	CURTAIN POLE OCN	2
18	OCN-5314UK	POLE BRKT	2
19	OCN-5315UK	CURTAIN OCN	2
21	OCN-7013UK	LOCK BAR A	1
22	OCN-7014UK	LOCK BAR B	1
23	PK0176	CARTON INST KIT OCN SDX	1
24	OS1019	SELF SEAL BAG 9X12.3/4	2
25	SAECE-032	DECLARATION OF CONFORMITY OCNT	1
26	540-0006-01	WRENCH M4 TMP PRF	1
27	390-5160	LAMP WG B TYPE 6V 3W (C2R)	2
28	220-5484	VOL CONT B-5K OHM	1
29	509-5664	FORE FINGER SW FOR 610-0379	4
30	OCN-2058	EXT SPRING	2
201	000-T00416-OB	M4X16 MSCR POSI TH BNP	6
202	068-441616-OB	M4 WSHR 16OD FLT BNP	17
203	030-000816-SB	M8X16 BLT W/S BNP	12
204	030-000825-SB	M8X25 BLT W/S BNP	2
205	FAS-300001	M8X20 BLT W/FS CRM	4
206	030-0008E0-OB	M8X140 BLT HEX BNP	6
207	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	6
208	FS1014	M8 WSHR FORM C FLT BNP	20
209	FS1019	M8 WSHR SPR BNP	6
210	050-C00800-OB	M8 NUT DOME TYPE 3 BNP	2
301	600-6921-20	ASSY RGB CABLE D-BNC 200CM	1



Item 26 - Tamper-proof TORX wrench.



Item 29 - Microswitch

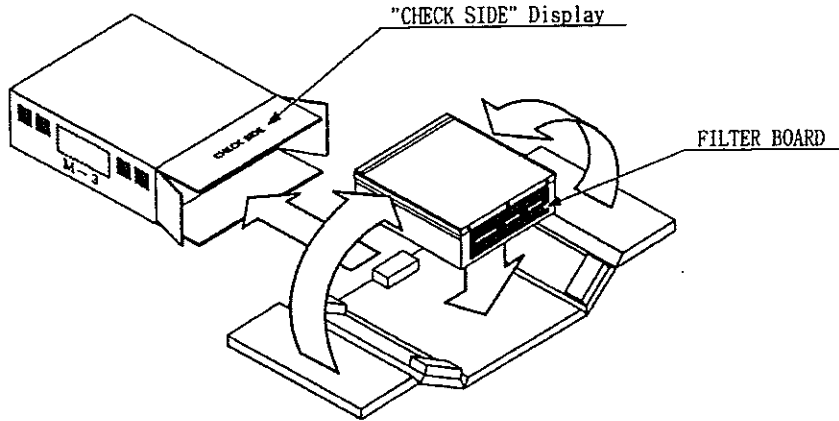


Item 30 - Spring



**IMPORTANT!**

- When returning the GAME BOARD for repair or replacement, be sure to package the entire ASSY SHIELD CASE in the original card transit box - THERE ARE NO USER-SERVICEABLE PARTS INSIDE.
- Failure to return the GAME BOARD in this manner may invalidate the warranty.



Wrap the ASSY SHIELD CASE with the packaging material and put it in the original transit box as shown. Putting it upside down or packing otherwise in the manner not shown can damage the GAME BOARD and parts.

### 3.5. ASSEMBLY INSTRUCTIONS



**WARNING!**

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



**IMPORTANT!**

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

When carrying out the assembly work, follow the procedure in the 6 item sequence

- STEP 1 ASSEMBLING THE CABINETS**
- STEP 2 ASSEMBLING THE BILLBOARD**
- STEP 3 SECURING IN PLACE (LEG ADJUSTER ADJUSTMENT)**
- STEP 4 COIN HANDLING INSTALLATION**
- STEP 5 CONNECTION TO THE POWER SUPPLY**
- STEP 6 ASSEMBLY CHECK**

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



**CAUTION!**

- Fit all fixings loosely first as detailed in steps 1 & 2, then position all components before finally tightening fixings at step 3.

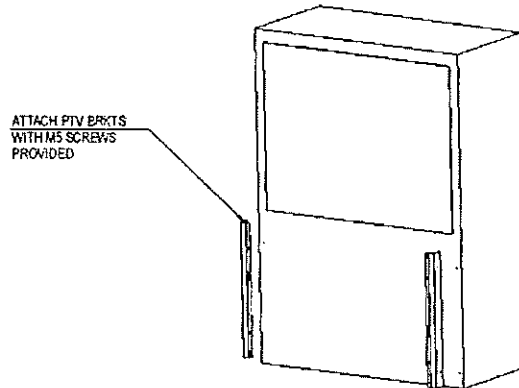
### 3.5.1. ASSEMBLING THE CABINETS



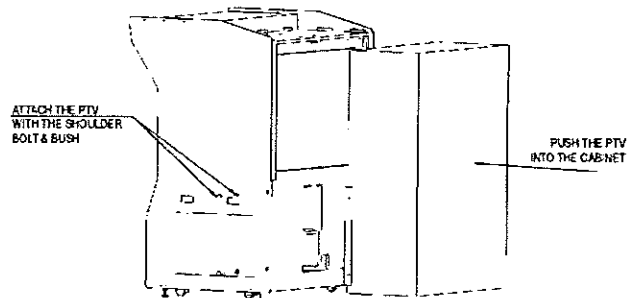
**IMPORTANT!**

- This operation should only be carried out by **QUALIFIED SERVICE PERSONNEL**.
- At this stage, do not fully tighten the bolts connecting assemblies.

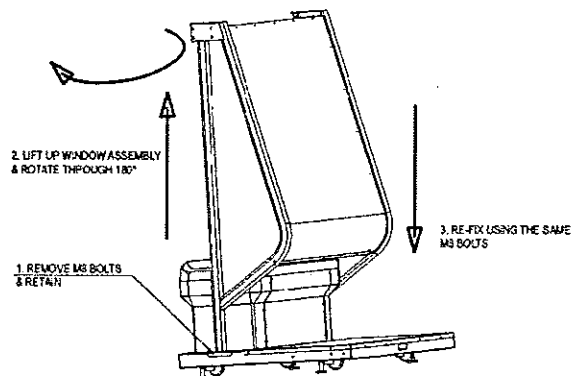
1. Install the PTV brackets to the PTV as shown.



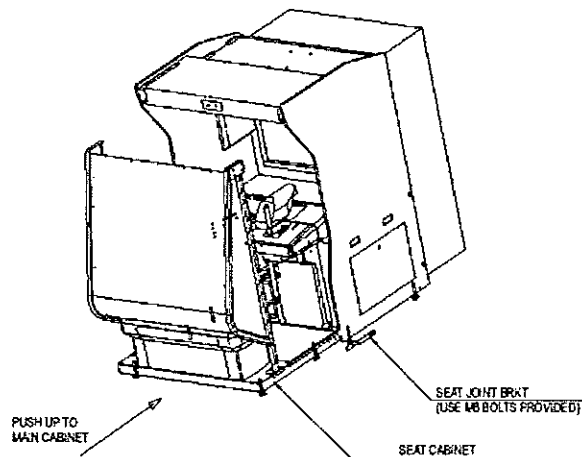
2. Connect the PTV wiring (RGB & power) to the PTV.
3. Assemble the PTV into the back of the main cabinet and fix in place using the shoulder bolts and bushes through the side cheeks of the cabinet.



4. Remove the window assembly from its transit position on the seat assembly and rotate it through 180° so the window is orientated as shown. Fix with the same bolts used for transit.



5. Connect the seat assembly wiring to the seat assembly.
6. Remove the M6 Socket screws from the bottom front corners of the main cabinet (indicated).
7. Fit the seat joint brackets using the removed M6 fixings and the M8 fixings provided.



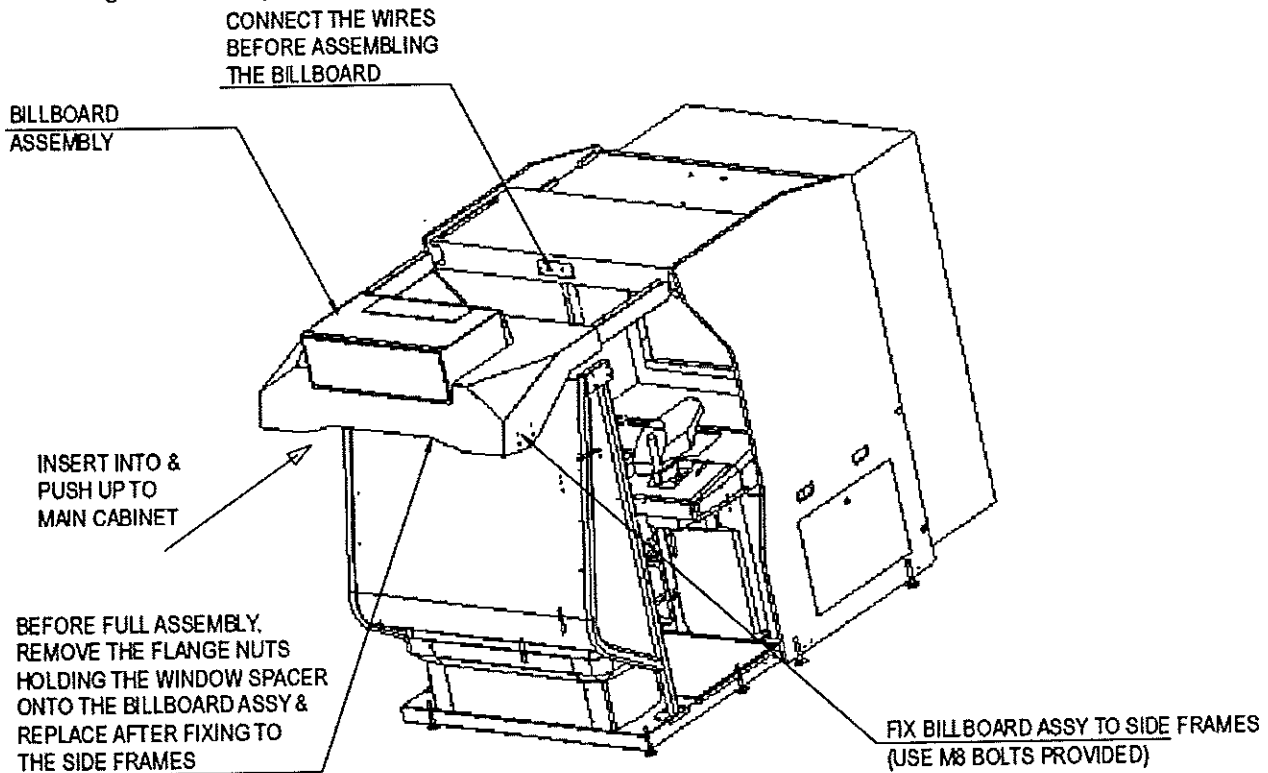
### 3.5.2. ASSEMBLING THE BILLBOARD



**IMPORTANT!**

- This operation should only be carried out by **QUALIFIED SERVICE PERSONNEL**.
- This operation includes lifting heavy objects and requires 2 people.
- At this stage, do not fully tighten the bolts connecting assemblies.

1. Insert the billboard assembly into the top of the main cabinet as shown.
2. Before fully inserting the billboard assembly, connect the wires between the two cabinets and secure the earth wire from the billboard assembly with the screw provided.
3. Remove the M4 flange nuts & washers on the inside of the Billboard box and retain. Keep the window spacer assembled to the billboard box.
4. Fully engage the billboard assembly into the main cabinet, taking care when the side flanges of the billboard box pass the window assembly.
5. Just before full engagement, be sure that the M4 studs on the billboard box pass through the slots in the top of the rear window.
6. Re-fit the M4 flange nuts and washers.
7. Fix the billboard into place using the M8 bolts provided.
8. Using the screws provided, fit the POP PANEL to the back of the billboard box as shown.



SECURING IN PLACE (LEG ADJUSTER ADJUSTMENT)



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

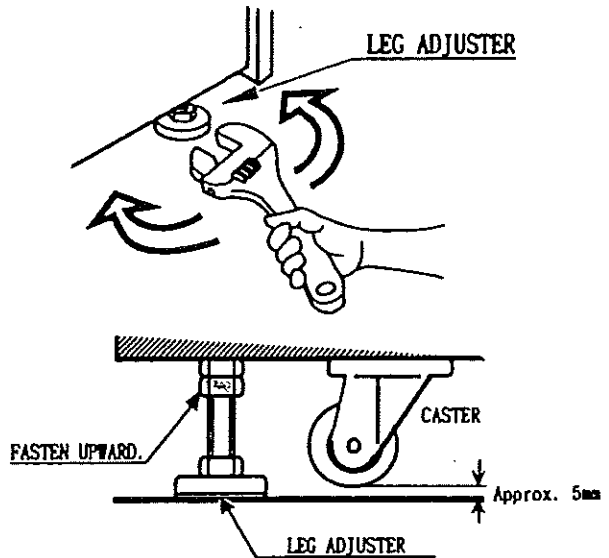
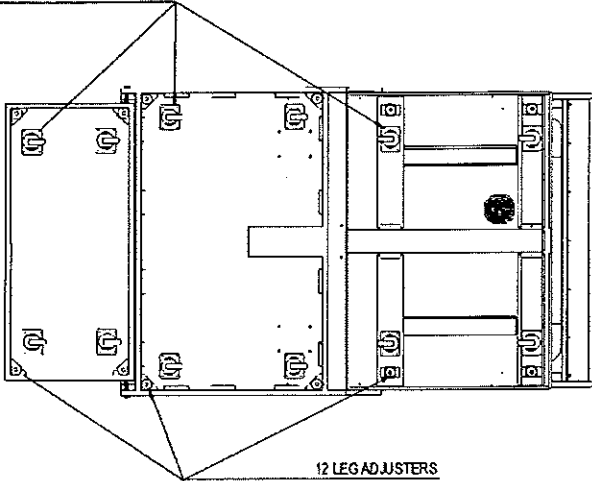


- This operation should only be carried out by QUALIFIED SERVICE PERSONNEL.

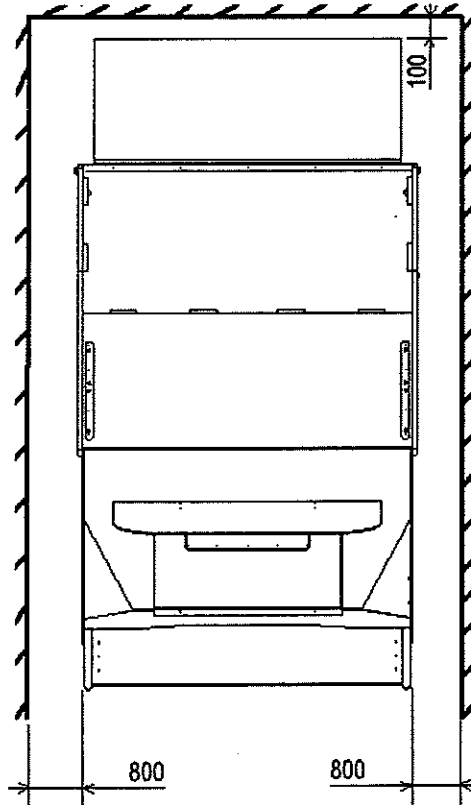
**IMPORTANT!**

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

12 SWIVEL CASTORS



After securing the leg adjuster bolts, fully tighten all bolts temporarily attached in steps 3.5.1 & 3.5.2 above. Ensure adequate ventilation is maintained as detailed below



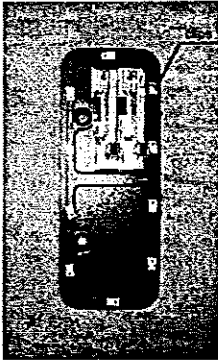
### 3.5.3. COIN HANDLING INSTALLATION



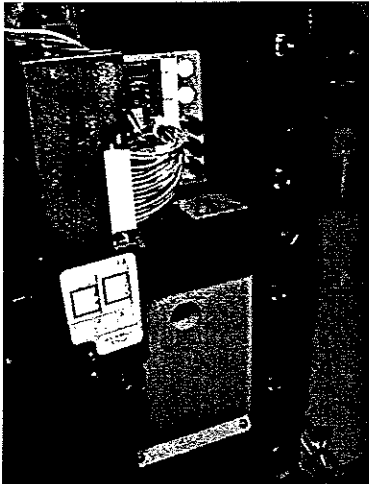
**IMPORTANT!**

- This operation should only be carried out by **QUALIFIED SERVICE PERSONNEL**.

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.



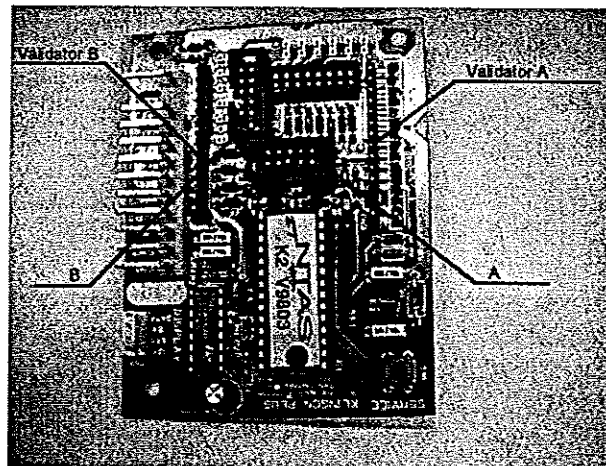
- Position the door into the aperture in the machine.
- Turn the clips around so that they will hold the door in the machine.
- Tighten all of the bolts.



- Ensure that the door is earthed to the frame and the frame is earthed to either the VTS bracket or the coin chute tower.

### 3.5.3.1.WIRING CONNECTIONS.

COIN MECH	LOOM	INSTALLATION
C220B	LM1006	<ul style="list-style-type: none"> <li>• Attach the lamp holder to the bracket on the coin return button.</li> <li>• Attach one 15way connector to the C220 coin mech.</li> <li>• Attach the other 15 way connector to Validator A on the credit board.</li> <li>• Attach the 2way mate and lok plug to the 2 way Mate and lok cap provided</li> </ul>
GENERIC MECHANICALS	LM1008	<ul style="list-style-type: none"> <li>• Fit the two lamp holders behind the coin return buttons.</li> <li>• Attach the blue cable and orange cable to one mechs microswitch switch.</li> <li>• Attach the blue/green cable and orange/green cable to the other mechs microswitch.</li> <li>• Attach the 2 way mate and lok plug to the 2 way mate and lok cap provided.</li> <li>• Attach one 15 way connector to Validator A and the other to Validator B on the credit board</li> </ul>
MARS MS111B1 MARS ME115	LM1007	<ul style="list-style-type: none"> <li>• Fit the lamp holder to the bracket behind the coin return button.</li> <li>• Fit one of the 13 way connectors to the coin mech.</li> <li>• 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.</li> </ul>
S.E.C.I	OWN LOOM AND LM1006-LAMP	<ul style="list-style-type: none"> <li>• Attach the lamp holder to the bracket on the coin return button.</li> <li>• Attach the 2way mate and lok plug to the 2 way Mate and lok cap provided</li> <li>• Attach the S.E.C.I own loom to position A on the credit board.</li> </ul>



### 3.5.4. CONNECTION TO THE POWER SUPPLY

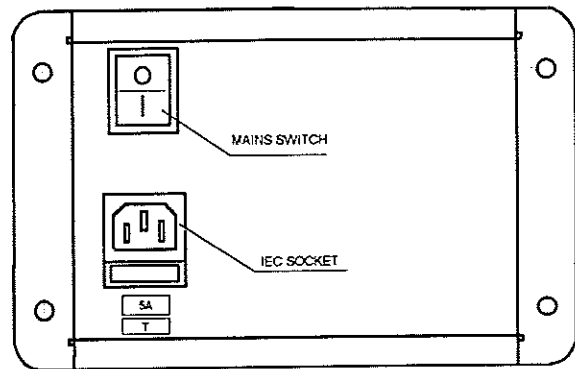


**IMPORTANT!**

- This operation may only be carried out once the machine has been completely assembled.
- This operation should only be carried out by **QUALIFIED SERVICE PERSONNEL**.

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

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





### 3.5.5. ASSEMBLY CHECK



**IMPORTANT!**

- This operation should only be carried out by QUALIFIED SERVICE PERSONNEL.

When the machine has been installed and power is applied, carry out the following checks in the TEST MODE to ensure that the machine has been assembled correctly and that there are no faults.

<p style="text-align: center;">CPU ROM TEST</p> <table border="0"> <tbody> <tr><td>GOOD (CROM13 MASK)</td><td>IC. 5</td></tr> <tr><td>GOOD (CROM12 MASK)</td><td>IC. 6</td></tr> <tr><td>GOOD (CROM11 MASK)</td><td>IC. 7</td></tr> <tr><td>GOOD (CROM10 MASK)</td><td>IC. 4</td></tr> <tr><td>GOOD (CROM23 MASK)</td><td>IC. 9</td></tr> <tr><td>GOOD (CROM22 MASK)</td><td>IC. 10</td></tr> <tr><td>GOOD (CROM21 MASK)</td><td>IC. 11</td></tr> <tr><td>GOOD (CROM20 MASK)</td><td>IC. 12</td></tr> <tr><td>GOOD (CROM33 MASK)</td><td>IC. 13</td></tr> <tr><td>GOOD (CROM32 MASK)</td><td>IC. 14</td></tr> <tr><td>GOOD (CROM31 MASK)</td><td>IC. 15</td></tr> <tr><td>GOOD (CROM30 MASK)</td><td>IC. 16</td></tr> <tr><td>GOOD (CROM3 EPROM)</td><td>IC. 17</td></tr> <tr><td>GOOD (CROM2 EPROM)</td><td>IC. 18</td></tr> <tr><td>GOOD (CROM1 EPROM)</td><td>IC. 19</td></tr> <tr><td>GOOD (CROM0 EPROM)</td><td>IC. 20</td></tr> </tbody> </table> <p style="text-align: center;">PRESS TEST BUTTON TO CONTINUE</p>	GOOD (CROM13 MASK)	IC. 5	GOOD (CROM12 MASK)	IC. 6	GOOD (CROM11 MASK)	IC. 7	GOOD (CROM10 MASK)	IC. 4	GOOD (CROM23 MASK)	IC. 9	GOOD (CROM22 MASK)	IC. 10	GOOD (CROM21 MASK)	IC. 11	GOOD (CROM20 MASK)	IC. 12	GOOD (CROM33 MASK)	IC. 13	GOOD (CROM32 MASK)	IC. 14	GOOD (CROM31 MASK)	IC. 15	GOOD (CROM30 MASK)	IC. 16	GOOD (CROM3 EPROM)	IC. 17	GOOD (CROM2 EPROM)	IC. 18	GOOD (CROM1 EPROM)	IC. 19	GOOD (CROM0 EPROM)	IC. 20	<p>The MEMORY TEST is used for checking the on-board memory ICs. "GOOD" is displayed for normal ICs and "BAD" for faulty ones.</p> <p>When the test is completed, if the results are as shown here, all is satisfactory.</p> <p>During the test, "TESTING NOW" is displayed at the bottom of the screen. If after 5 minutes, the test has not finished, the IC board may be malfunctioning.</p> <p>When the test has finished, press the TEST BUTTON to continue to "CPU RAM TEST".</p>
GOOD (CROM13 MASK)	IC. 5																																
GOOD (CROM12 MASK)	IC. 6																																
GOOD (CROM11 MASK)	IC. 7																																
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<p style="text-align: center;">CPU RAM TEST</p> <table border="0"> <tbody> <tr><td>GOOD (SDRAM)</td><td>IC. 13</td><td>IC. 14</td><td>IC. 15</td><td>IC. 16</td></tr> <tr><td>GOOD (BACKUP SDRAM)</td><td>IC. 21</td><td>IC. 22</td><td></td><td></td></tr> <tr><td>GOOD (SCROLL SDRAM)</td><td>IC. 94</td><td></td><td></td><td></td></tr> <tr><td>GOOD (SCROLL SRAM)</td><td>IC. 17</td><td>IC. 18</td><td></td><td></td></tr> </tbody> </table> <p style="text-align: center;">PRESS TEST BUTTON TO CONTINUE</p>	GOOD (SDRAM)	IC. 13	IC. 14	IC. 15	IC. 16	GOOD (BACKUP SDRAM)	IC. 21	IC. 22			GOOD (SCROLL SDRAM)	IC. 94				GOOD (SCROLL SRAM)	IC. 17	IC. 18			<p>During the test, "TESTING NOW" is displayed at the bottom of the screen.</p> <p>When the test is completed, if the results are as shown here, all is satisfactory.</p> <p>When the test has finished, press the TEST BUTTON to continue to "VIDEO BOARD ROM TEST".</p>												
GOOD (SDRAM)	IC. 13	IC. 14	IC. 15	IC. 16																													
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GOOD (SCROLL SRAM)	IC. 17	IC. 18																															
<p style="text-align: center;">VIDEO BOARD ROM TEST</p> <table border="0"> <tbody> <tr><td>GOOD (VROM01)</td><td>IC.26</td></tr> <tr><td>GOOD (VROM00)</td><td>IC.27</td></tr> <tr><td>GOOD (VROM03)</td><td>IC.28</td></tr> <tr><td>GOOD (VROM02)</td><td>IC.29</td></tr> <tr><td>GOOD (VROM05)</td><td>IC.30</td></tr> <tr><td>GOOD (VROM04)</td><td>IC.31</td></tr> <tr><td>GOOD (VROM07)</td><td>IC.32</td></tr> <tr><td>GOOD (VROM06)</td><td>IC.33</td></tr> <tr><td>GOOD (VROM11)</td><td>IC.34</td></tr> <tr><td>GOOD (VROM10)</td><td>IC.35</td></tr> <tr><td>GOOD (VROM13)</td><td>IC.36</td></tr> <tr><td>GOOD (VROM12)</td><td>IC.37</td></tr> <tr><td>GOOD (VROM15)</td><td>IC.38</td></tr> <tr><td>GOOD (VROM14)</td><td>IC.39</td></tr> <tr><td>GOOD (VROM17)</td><td>IC.40</td></tr> <tr><td>GOOD (VROM16)</td><td>IC.41</td></tr> </tbody> </table> <p style="text-align: center;">PRESS TEST BUTTON TO CONTINUE</p>	GOOD (VROM01)	IC.26	GOOD (VROM00)	IC.27	GOOD (VROM03)	IC.28	GOOD (VROM02)	IC.29	GOOD (VROM05)	IC.30	GOOD (VROM04)	IC.31	GOOD (VROM07)	IC.32	GOOD (VROM06)	IC.33	GOOD (VROM11)	IC.34	GOOD (VROM10)	IC.35	GOOD (VROM13)	IC.36	GOOD (VROM12)	IC.37	GOOD (VROM15)	IC.38	GOOD (VROM14)	IC.39	GOOD (VROM17)	IC.40	GOOD (VROM16)	IC.41	<p>During the test, "TESTING NOW" is displayed at the bottom of the screen.</p> <p>When the test is completed, if the results are as shown here, all is satisfactory.</p> <p>When the test has finished, press the TEST BUTTON to continue to "VIDEO BOARD RAM TEST".</p>
GOOD (VROM01)	IC.26																																
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GOOD (VROM16)	IC.41																																

VIDEO BOARD RAM TEST

GOOD

PRESS TEST BUTTON TO EXIT

During the test, "TESTING NOW" is displayed at the bottom of the screen.

When the test is completed, if the results are as shown here, all is satisfactory.

When the test has finished, press the TEST BUTTON to return to the MAIN MENU.

INPUT TEST

VOLUME 1P PITCH	00
VOLUME 1P YAW	00
VOLUME 2P PITCH	00
VOLUME 2P YAW	00
1P LEFT SHOT	OFF
1P RIGHT SHOT	OFF
2P LEFT SHOT	OFF
2P RIGHT SHOT	OFF
1P START	OFF
1P START	OFF
COIN #1	OFF
COIN #2	OFF
SERVICE	OFF
TEST	OFF

PRESS SERVICE + TEST BUTTON TO EXIT

Selecting INPUT TEST displays the following screen and is used to check the status of each switch and volume control input.

Using this screen, periodically check the status of each switch & volume control.

If the display changes from OFF to ON when pressing the relevant switch, the wiring connections are satisfactory.

To check the COIN switch route, insert a coin(s) into the validator to the value of one credit. The display will change from OFF to ON momentarily.

When the Gun Controller is moved from left to right (YAW) and up and down (PITCH), the hexadecimal value on the screen will change. The allowable limits are as follows:

PITCH 40H ~ D0H

YAW 30H ~ D0H

Press the SERVICE + TEST BUTTON together to return to the MAIN MENU.

OUTPUT TEST

1P START LAMP	OFF
2P START LAMP	OFF
1P CONTROLLER REACTION	OFF
2P CONTROLLER REACTION	OFF

→ EXIT

SELECT WITH SERVICE BUTTON  
AND PRESS TEST BUTTON

This test allows the functioning of the START button lamps and the Gun Controller reaction to be checked.

Using this screen, periodically check the status of the START switch lamps.

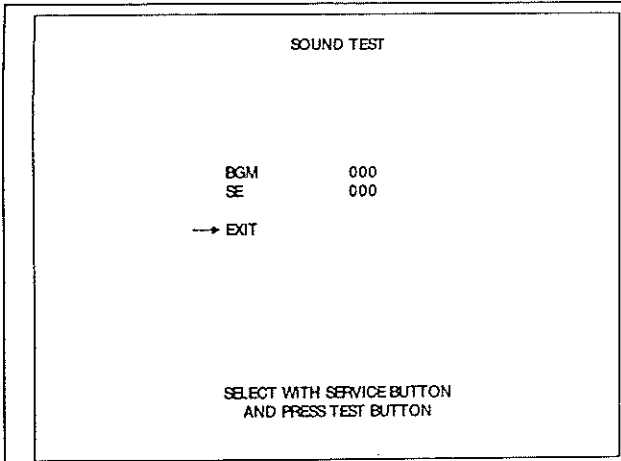
Use the SERVICE BUTTON to move the pointer to the desired item.

Use the TEST BUTTON to check the output status.

If the START button lamp lights when the menu item is changed from OFF to ON, the lamp is working satisfactorily.

When the CONTROLLER REACTION is changed from OFF to ON, the Gun Controller moves continuously.

Select EXIT and press the TEST BUTTON to return to the MAIN MENU.



This enables the sounds used in the game to be checked. Sound-related IC boards and each speaker are checked.

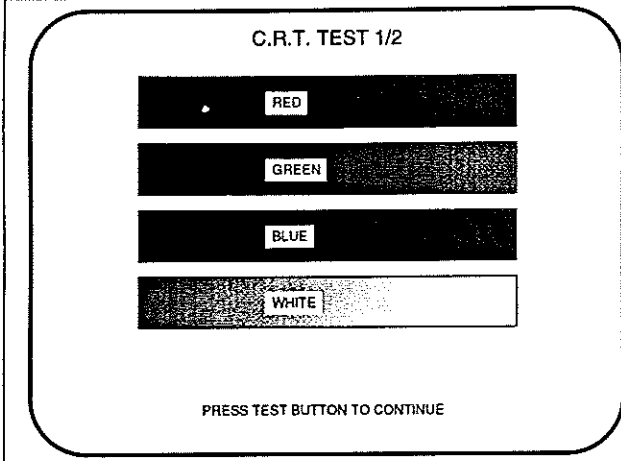
BGM reproduces selected background music.

SE reproduces selected sound effects.

Use the SERVICE BUTTON to move the pointer to the desired item.

Use the TEST BUTTON to check the sound. Repetitive pressing of the TEST BUTTON advances the selection onto the next sound track or sample.

Select EXIT and press the TEST BUTTON to return to the MAIN MENU.



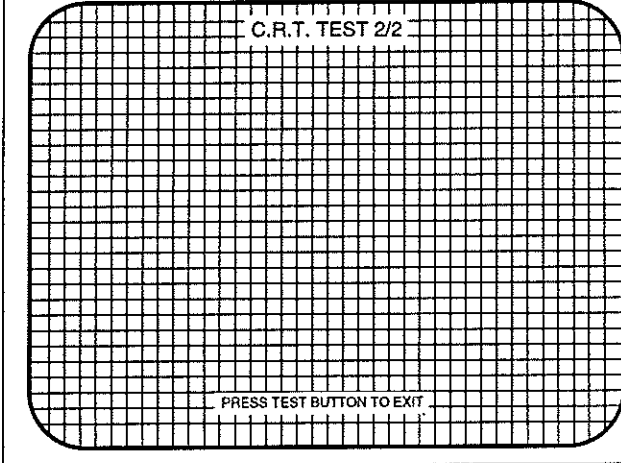
**RGB COLOUR ADJUSTMENT**

This allows the monitor set-up to be checked.

Each of the Red, Green & Blue colour bars is darkest at the left-hand end and lightest at the right-hand end.

The monitor's brightness setting is satisfactory if the white colour bar is black at the left-hand end and whites at the right-hand end.

Press the TEST BUTTON to proceed to the next screen.



**MONITOR SIZE ADJUSTMENT**

This allows the monitor size to be checked.

Adjust so that the chequered pattern does not extend beyond the screen.

Press the TEST BUTTON to return to the MAIN MENU.

### 3.6. MOVING THE MACHINE



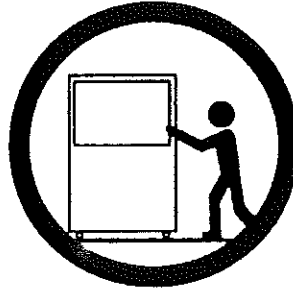
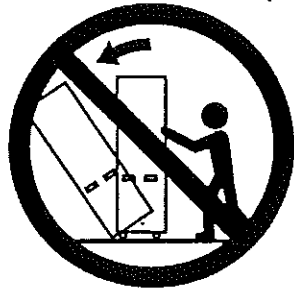
CAUTION!

- When moving the machine, be sure to remove the plug from the power supply. Moving the machine with the plug inserted can cause the power cord to be damaged, resulting in a fire or electric shock.
- When moving the machine, retract the leg adjusters fully and ensure the casters make contact with the floor. During movement pay careful attention so that the casters or leg adjusters do not damage any other cabling laid on the floor. Such damage could result in a fire or electric shock.



IMPORTANT!

- This operation should only be carried out by QUALIFIED SERVICE PERSONNEL.



### 3.7. FUSES



**WARNING!**



**IMPORTANT!**

- Never touch places other than those specified. Touching places other than those specified can cause electric shock and short circuit. Disconnect the machine from the supply before attempting the replacement of any fuse.

- FUSES should only be replaced by QUALIFIED SERVICE PERSONNEL.

There are a number of fuses used on this machine to protect the user and the machine from damage. Only replace the fuse once you have removed the cause of its failure. Detailed below is a list of the fuses used, their location and if relevant P.C.B. reference:

PART NUMBER	LOCATION	TYPE & DETAILS	QTY
514-5078-6300	IEC inlet	6.3A 250V 20mm T HRC	1 per Assy
LITTELFUSE 21806.3	838-11855CE-01 Pos'n F1	6.3A 250V 20mm T HRC	1 per Board
514-5078-6300	838-13142-01 Pos'n F101 & F201	6.3A 250V 20mm T HRC	2 per Board
514-5078-6300	838-13475 Pos'n F1 & F2	6.3A 250V 20mm T HRC	2 per Board
514-5078-6300	838-911860UK LVD board Pos'n F1 - F5 inclusive	6.3A 250V 20mm T HRC	5 per Board
LITTELFUSE 215004	400-5330-03 SW REGU F1	4A 250V 20mm T HRC	1 per Board
514-5078-1000	VTS BRKT 1P & 2P GUNS	1A 250V 20mm T HRC	2 per Assy

There are also fuses located on the Monitor PCB. Refer to the relevant Monitor manual supplied to reference these fuses.

### 3.8. REPLACEMENT OF FLUORESCENT LAMP AND OTHER LAMPS



WARNING!



IMPORTANT!

- 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.

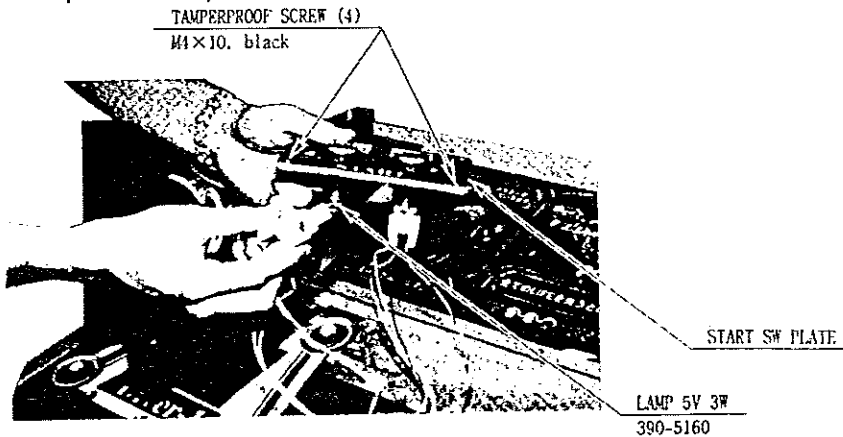
- Lamps should only be replaced by QUALIFIED SERVICE PERSONNEL.

#### 3.8.1. FLUORESCENT LAMP REPLACEMENT

1. Remove the BILLBOARD SASH and withdraw the BILLBOARD PLATE.
2. Disconnect the end caps on the fluorescent tube and pull the tube out of the clips in a twisting manner.

#### 3.8.2. START SWITCH LAMP REPLACEMENT

1. Remove the START SW PLATE on top of the CONTROL PANEL and retain the 4 screws.
2. Pull out the switch portion and pull the LAMP out to remove it.



### 3.9. TROUBLESHOOTING



**IMPORTANT!**

- These procedures should only be carried out by **QUALIFIED SERVICE PERSONNEL**.

If a problem occurs, first check the wiring connections.

PROBLEMS	CAUSE	COUNTERMEASURES
When the main switch is turned ON, the machine is not activated	The power is not ON.	Firmly insert the plug into the outlet.
	Incorrect power source/voltage.	Make sure that the power supply/voltage are correct.
	AC Unit CIRCUIT PROTECTION DEVICE (ie; fuse) was activated due to an instantaneous overcurrent.	First, remove the cause of overcurrent and reinstate the circuit protection device to its original status. Then identify the cause of the fault on the item which caused the overcurrent & fix.
The colour image on the screen is incorrect	Incorrect monitor adjustment.	Make appropriate adjustments. Section 5.3.6 & Monitor Service Manual.
The on-screen image of the monitor sways and/or shrinks	The power source and voltage are not correct.	Make sure that the power supply and voltage are correct.
Sound is not emitted	Sound volume adjustment is not correct.	Adjust the volume setting on the VTS bracket. Section 5.2.
	Malfunctioning BD and Amp.	Perform Sound Test to check it. Section 5.3.5.
	Connector connection is incorrect	Check connector connection from Base to Speaker
Controller operation is not satisfactory	Sighting is inaccurate due to environmental conditions, etc.	Adjust the gun sighting alignment. Section 5.3.9.
	Microswitch malfunctioning	Replace the microswitch. Section 3.10.4.
The fluorescent lamp does not light up	Fluorescent lamp needs replacement	Replace the fluorescent lamp. Section 3.8.1.
	The connector is disconnected	Check connector connections in the billboard case. Section 3.5.2.

### 3.10. CONTROLLER



IMPORTANT!

- This operation should only be carried out by QUALIFIED SERVICE PERSONNEL.

In the TEST MODE, if the gun controller VR value movements are irregular, adjust or replace the VR in the following way:

#### 3.10.1.ADJUSTING/REPLACING THE SWING (YAW) VOLUME

Remove the COVER PANEL FRONT and retain the screws.

##### 3.10.1.1.ADJUSTING THE VOLUME

1. In the INPUT TEST screen, look at the YAW VR value.
2. Loosen the 2 screws that secure the VOLUME BRACKET to disengage the gear mesh.
3. Adjust the gear meshing so that the D-cut face of the VR shaft is as shown in the diagram when the Gun Controller is pointing at the centre of the screen.
4. Fasten the 2 screws and secure the VOLUME BRACKET.
5. After adjustment, calibrate the VR setting as in VOLUME ADJUSTMENTS in the TEST MODE.

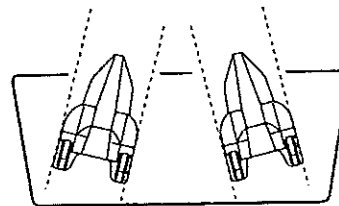
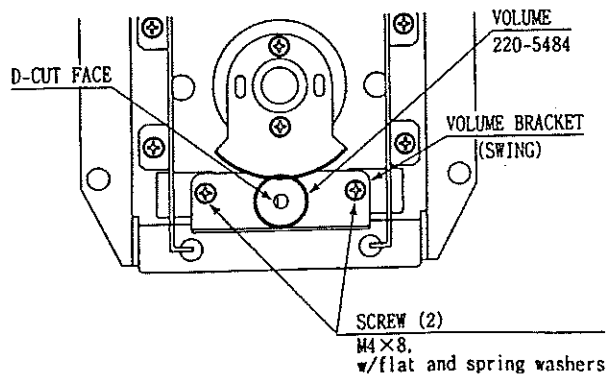


FIG. 10.1 b



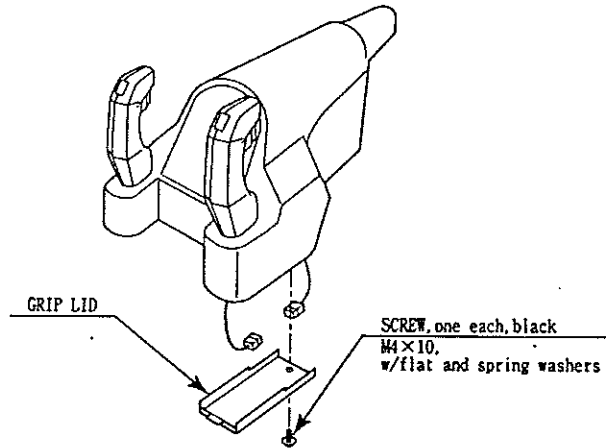


### 3.10.1.2.REPLACING THE VOLUME

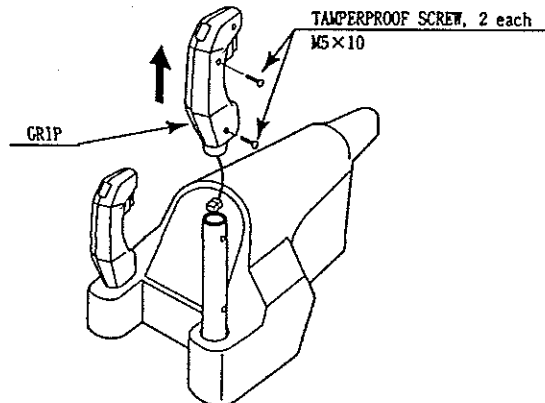
1. Turn the power to the machine off and remove the plug from the wall socket.
2. Disconnect the connector.
3. Remove the VOLUME BRACKET and retain the 2 screws.
4. Remove the VOLUME GEAR from the VOLUME SHAFT and replace the VR.
5. After replacement, adjust the VR as per the preceding instruction.

### 3.10.2.ADJUSTING/REPLACING THE PITCH VOLUME

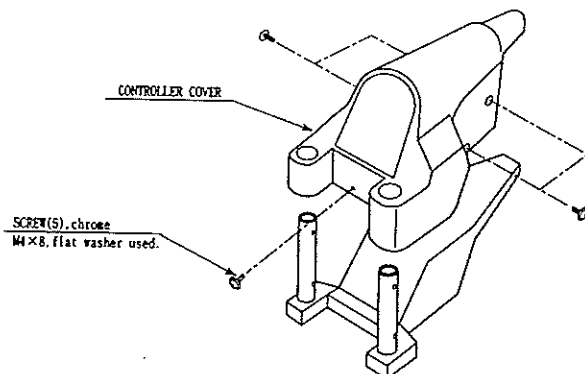
1. Remove the GRIP LID under both GRIPS and retain the screws. Disconnect the connector.



2. Remove from each GRIP 2 screws from each side and withdraw the GRIP.

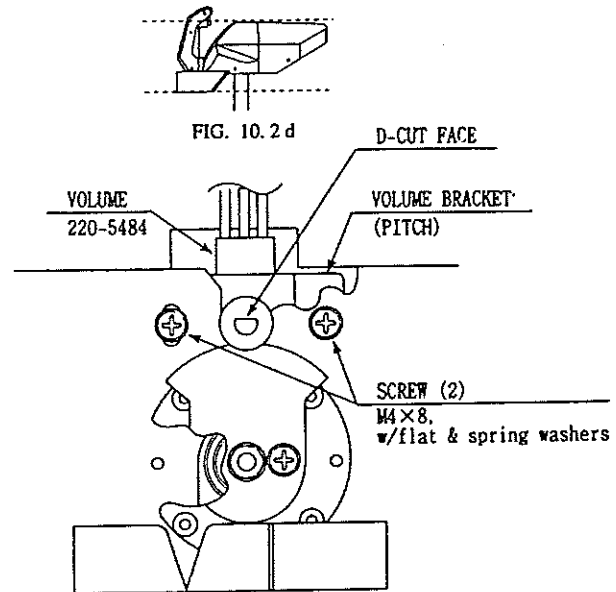


3. Remove the CONTROLLER COVER and retain the 5 screws.



### 3.10.2.1.ADJUSTING THE VOLUME

1. In the INPUT TEST screen, look at the PITCH VR value.
2. Loosen the 2 screws that secure the VOLUME BRACKET to disengage the gear mesh.
3. Adjust the gear meshing so that the D-cut face of the VR shaft is as shown in the diagram when the Gun Controller is level.
4. Fasten the 2 screws and secure the VOLUME BRACKET.
5. After adjustment, calibrate the VR setting as in VOLUME ADJUSTMENTS in the TEST MODE.

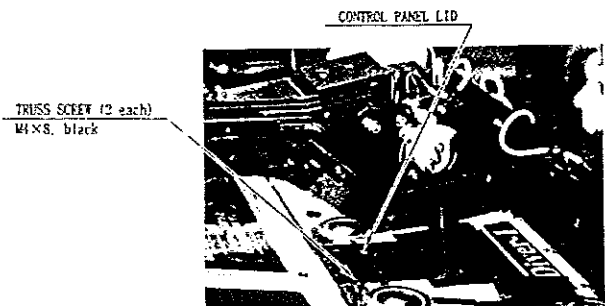


### 3.10.2.2.REPLACING THE VOLUME

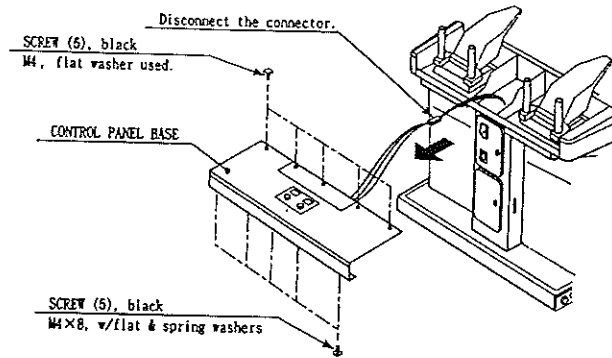
1. Turn the power to the machine off and remove the plug from the wall socket.
2. Disconnect the connector.
3. Remove the VOLUME BRACKET and retain the 2 screws.
4. Remove the VOLUME GEAR from the VOLUME SHAFT and replace the VR.
5. After replacement, adjust the VR as per the preceding instruction.

### 3.10.3.REPLACING THE SPRING

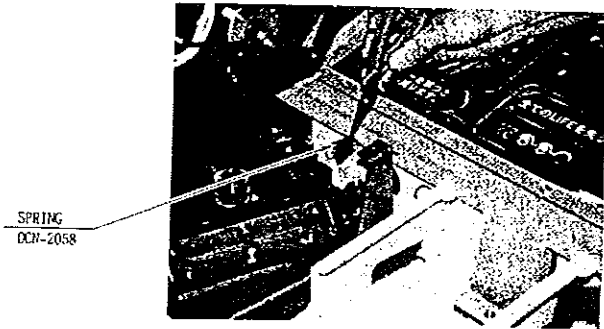
1. Remove the 2 screws holding on each CONTROL PANEL LID.



- Remove the 10 screws and remove the CONTROL PANEL BASE. Before full withdrawal, disconnect the wiring to the START BUTTONS.



- Replace the SPRING.

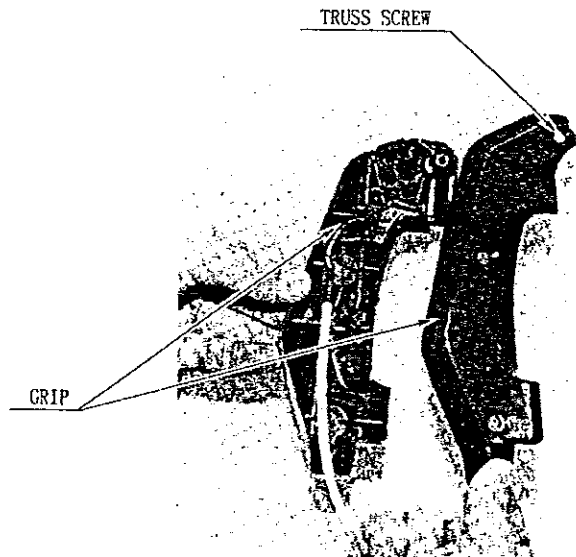


### 3.10.4.REPLACING THE SWITCH

The Gun Controller has some small parts. When disassembling, be very careful to not lose them.

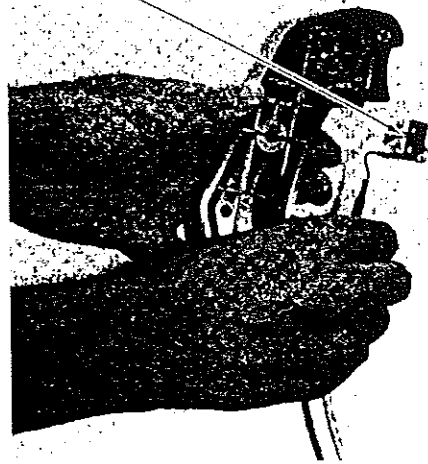
If when in the INPUT TEST the display does not change from OFF to ON when the TRIGGER is pulled, there may be a problem with the switch inside the GRIP. Switch replacement may be needed.

- Remove the GRIP as described in "ADJUSTING/REPLACING THE PITCH VOLUME".
- Remove the screw and open the GRIP.



3. Remove the switch still connected to the wire harness.
4. Pull back the sleeving and unsolder the connections to the switch.
5. Re-solder a replacement switch to the wire harness and re-assemble into the GRIP.

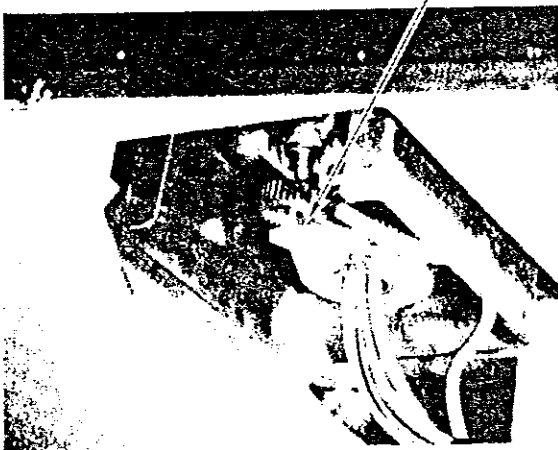
TRIGGER SW  
509-5664



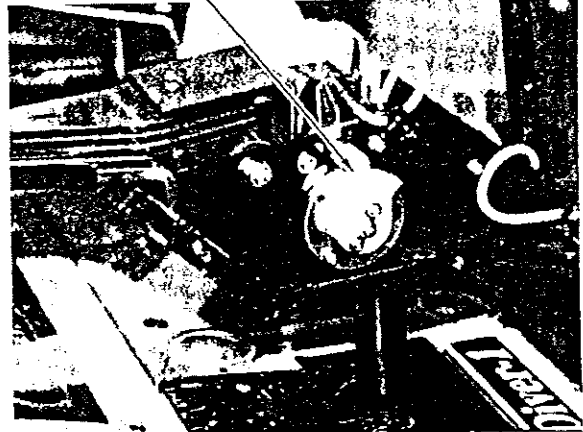
### 3.10.5.GREASING

According to the maintenance schedule, apply a proprietary non-aggressive gear lubricant to the following places.

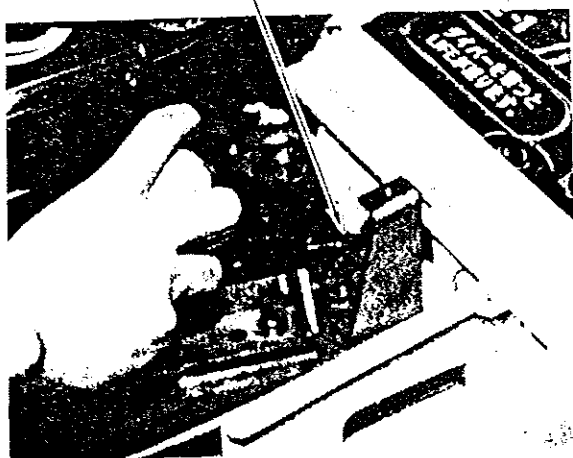
SWING VOLUME GEAR MESH PORTION



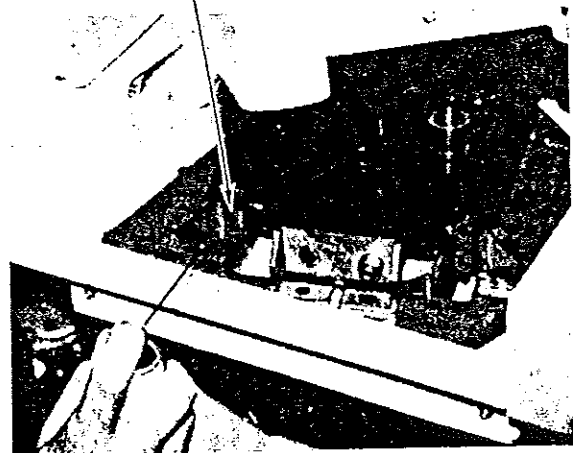
PITCH VOLUME GEAR MESH PORTION



SPRING



RAIL PORTION



### 3.11. GAMEBOARD



**WARNING!**



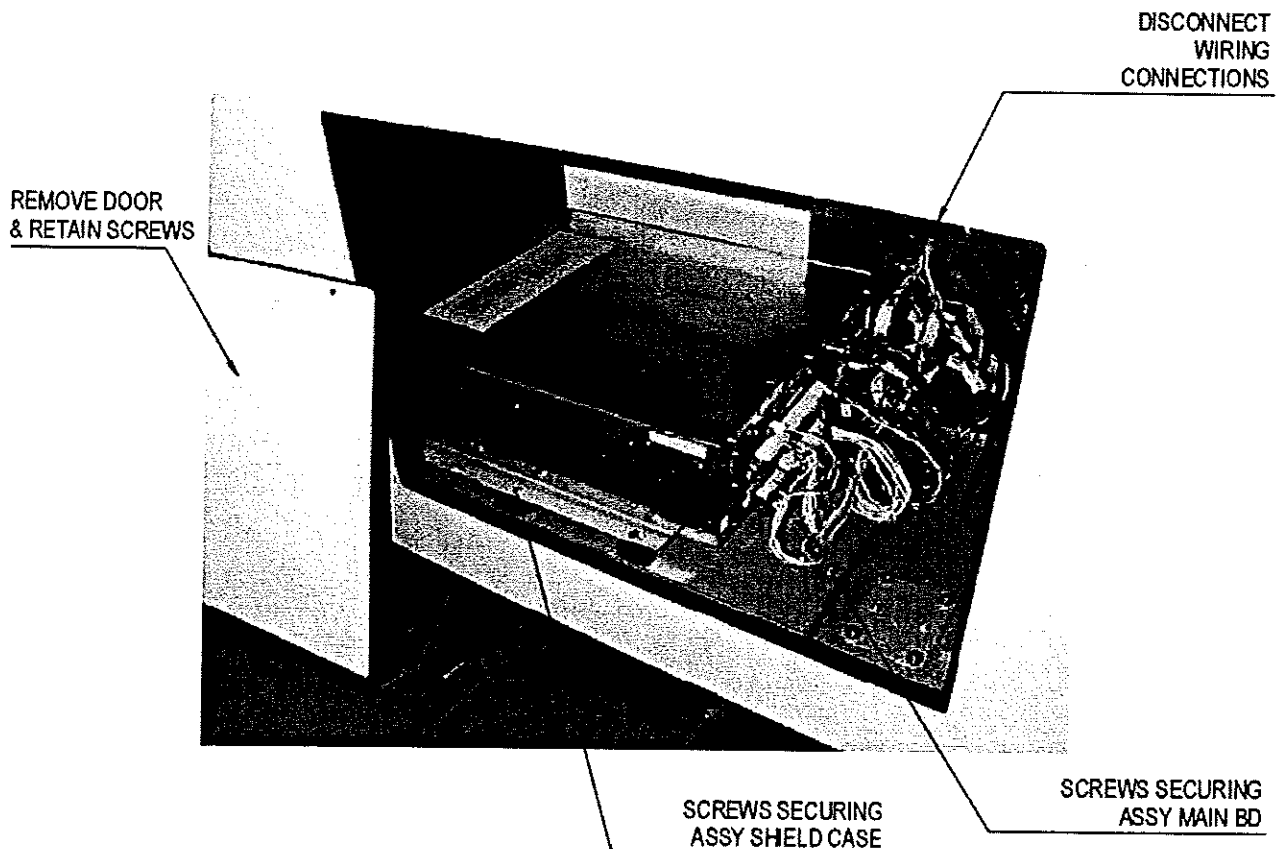
**IMPORTANT!**

- Turn off the mains power and remove the power cord before opening the machine.

- The GAME BOARD should not require any work to be carried out upon it. All settings and tests can be achieved without access to the GAME BOARD.
- All work to be carried out by QUALIFIED SERVICE PERSONNEL

#### 3.11.1.REMOVING THE BOARD

1. Turn the power to the machine off and remove the plug from the wall socket.
2. Remove the DOOR R and retain the 2 screws.
3. Disconnect the wiring connections to the PANEL MOUNT BRKT and the D-type connector to the GAME BOARD.
4. Remove the ASSY MAIN BD from the cabinet and retain the 2 screws and washers.
5. Undo the 6 screws holding the ASSY SHIELD CASE onto the RUBBER SHOCK MOUNTS.
6. Remove the SHIELD CASE BRKTS and retain the 6 screws.
7. Remove the EARTH WIRE and retain the screw.
8. Place the ASSY SHIELD CASE in the packing box provided with the machine and return it to the designated service centre or the vendor of the machine for repair. THERE ARE NO USER-SERVICEABLE PARTS INSIDE.



### 3.11.2.COMPOSITION OF THE GAME BOARD

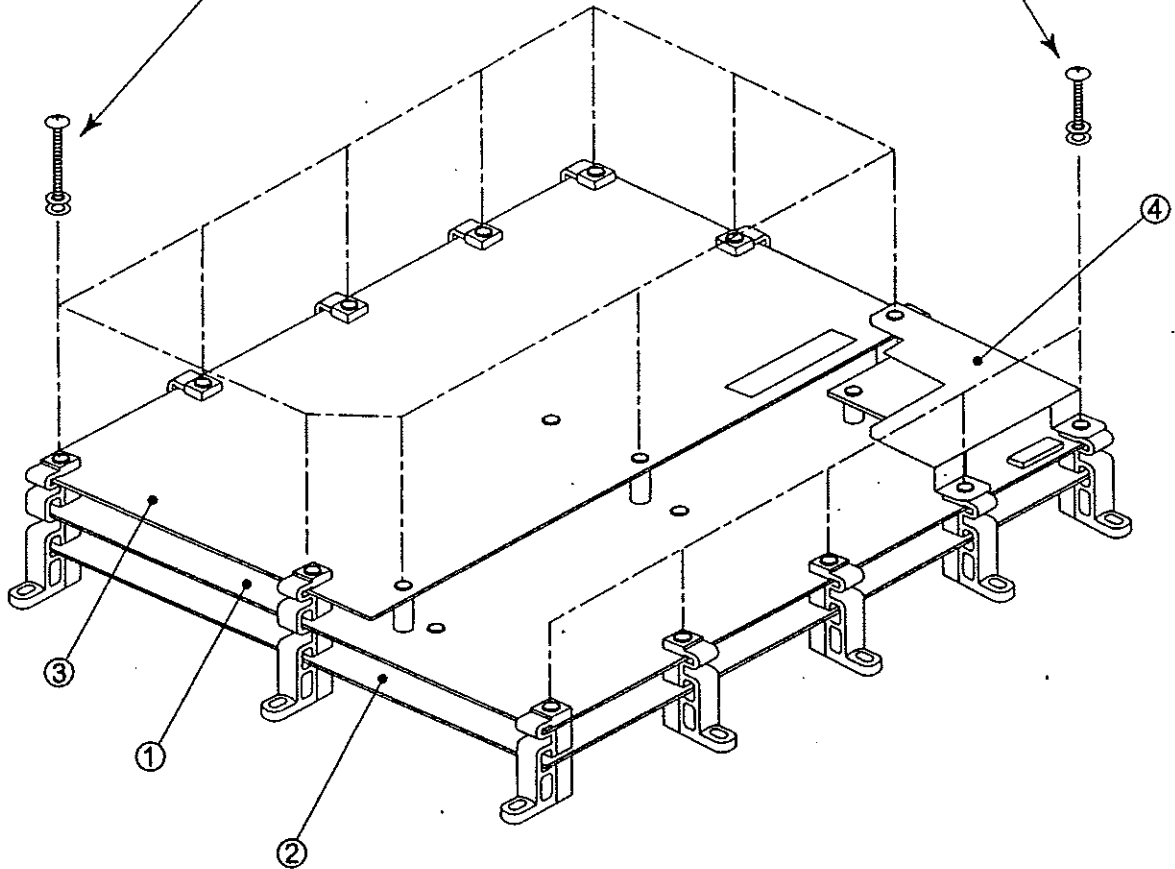
#### GAME BOARD OCEAN HUNTER (833-13571)

SCREW (10)

M3×55,  
flat & spring washers used

SCREW (5)

M3×35,  
flat & spring washers used



No.	Part No.	Description
1	837-12715-91	MODEL3 STEP2 CPU BOARD
2	837-13368	MODEL3 STEP2.1 VIDEO BOARD
3	834-13572	ROM BD THE OCEAN HUNTER
4	837-13576-COM	PFSB SEC BD OCN COM

### 3.12. PERIODIC CHECK AND INSPECTION

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



**WARNING!**



**IMPORTANT!**

- Be sure to check annually to see if the power cords are damaged. The plug is securely inserted and that there is no dust in the interior of the machine or between the socket and the power cord. Using the product in an unclean condition may cause a fire or electric shock.

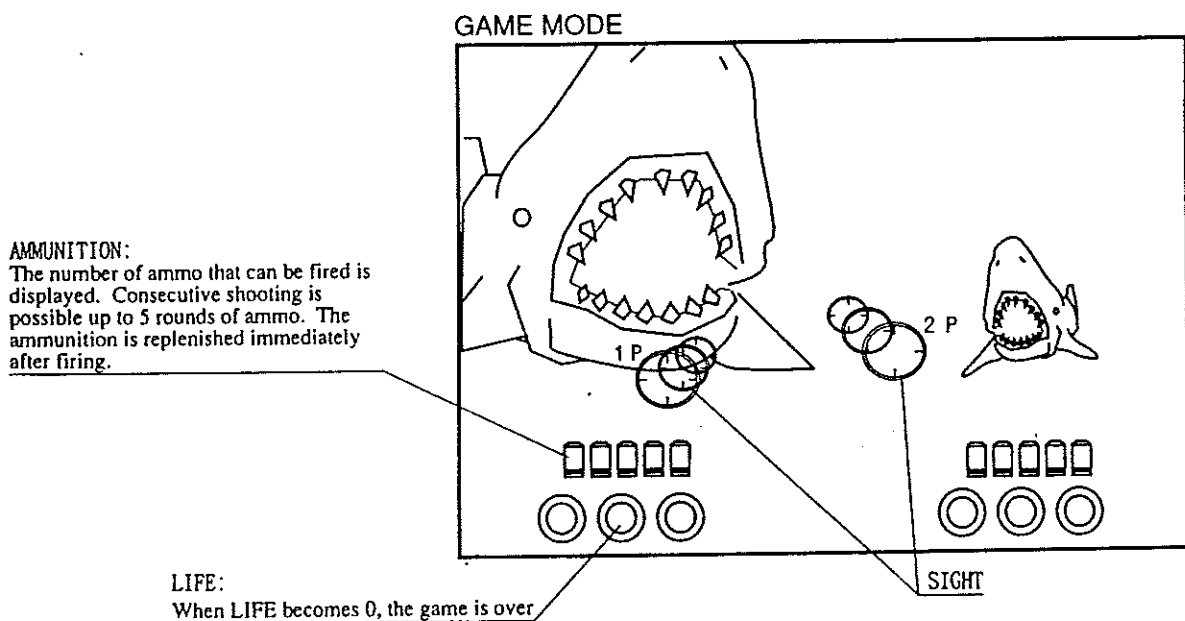
- Periodic checks should only be carried out by **QUALIFIED SERVICE PERSONNEL.**

DESCRIPTION	WHAT TO CHECK	INTERVAL
MONITOR / PROJECTOR	Clean screen	Weekly
	Check adjustment	Monthly
GAME BD	Memory Test	Monthly
	Game Assignments	Monthly
INTERIOR	Clean (do not use water jet)	Annually
POWER SUPPLY CORD	Check condition	Annually
CABINET SURFACE	Clean (do not use water jet)	As required
CONTROL PANEL	Lamp operation	Monthly
	Check switch operation	Monthly
CONTROLLER (GUN)	Clean	As required
	Check sighting	Weekly
	Check switch operation	Monthly
COIN MECHANISM	Check SW (If Fitted)	Monthly

## 4. HOW TO PLAY

The following applies in the case that the product is functioning satisfactorily. Should there be any moves different from the following, some sort of fault may have occurred. Immediately investigate and eliminate the cause of the fault to ensure satisfactory operation.

1. Insert a coin(s) to make the number of credits increase at the bottom of the screen. When the required number of credits for game start are registered, the on-screen display changes from "INSERT COIN(S)" to "PRESS START BUTTON". Both start buttons begin to flash. Up to 9 credits can be stored at one time. Coins inserted after 9 credits have been counted will either be counted or returned to the customer.
2. Player 1 (1P) sits on the left and Player 2 (2P) on the right. The flashing start buttons are arranged similarly.
3. When the game starts, the name of the ocean featured in the first stage and the prize obtained by defeating the BOSS are displayed for a short time before the introduction screens appear. Pressing the START button can skip these screens. The opening sequence is followed by the game play mode in which the object is to shoot all of the enemy characters.



The LIFE and ammunition of the Left-hand player (1P) are displayed on the lower left-hand side of the screen. Those of the right-hand player (2P) are displayed on the lower right-hand side of the screen.

4. By aiming the Gun Controller directly at the target, shoot the attacking sharks, barracuda and snakes, etc to protect your life points. Use both triggers on the controller (left and right grips) to shoot 5 rounds of ammunition in one burst. During this time, the SIGHT display disappears.
5. Earn points by shooting sharks, sea snakes and other small items. The total points are displayed on the score display screen after finishing the stage.
6. If you shoot the divers being attacked during game play by mistake, "Miss Shot" will be displayed and you lose one LIFE POINT.
7. When the life points decrease to zero, the game is over. To continue, insert the required coins to register a CONTINUE CREDIT and press the START button. If there are already enough credits stored, just press the START button to continue.
8. The BOSS appears at the end of each stage. Defeating the BOSS clears the stage. At the top of the screen, the BOSS's LIFE GAUGE is displayed. Every time you successfully hit the BOSS, its LIFE GAUGE decreases. When its LIFE GAUGE decreases to zero, it is defeated. Note that almost all BOSS characters have their weak points. Shoot at the weak point shown on the screen to decrease the LIFE GAUGE meter quickly and to increase the score more rapidly at the same time.



9. When the fight with the BOSS character reaches its climax, a "shoot" mark will be displayed on its weak point. At this point of the fight, only shooting the weak point can defeat the BOSS. Shoot the "shoot" point 3 times to defeat the BOSS (except for the 6<sup>th</sup> stage).
10. This game allows 2 people to play simultaneously. While one person is playing, the other can join the game at any time by inserting one credit's worth of coins and pressing the other START button.
11. When all 7 stages are cleared, if your score is ranked 10<sup>th</sup> or higher, you can enter your name. The name entered and the score you set are displayed on the on-screen ranking.

## ADVICE ON PLAY

- **RESCUE THE OTHER DIVERS!**

Several times during play, you will encounter a diver asking for help. Quickly shoot the monsters attacking the diver and the diver will award you one LIFE POINT with thanks.

- **KEEP SHOOTING THE TREASURE CHESTS!**

In each stage, several treasure chests are present in and around sunken ships, etc. When you shoot a treasure chest, its lid opens and gold coins scatter out. You can only increase your points total by G100 per shot, so shoot the bullion as many times as possible to earn the maximum score.

## 5. MAINTENANCE INSTRUCTIONS

### 5.1. EXPLANATION OF TEST AND DATA DISPLAY

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



**IMPORTANT!**

- Be very careful about entering TEST MODE.

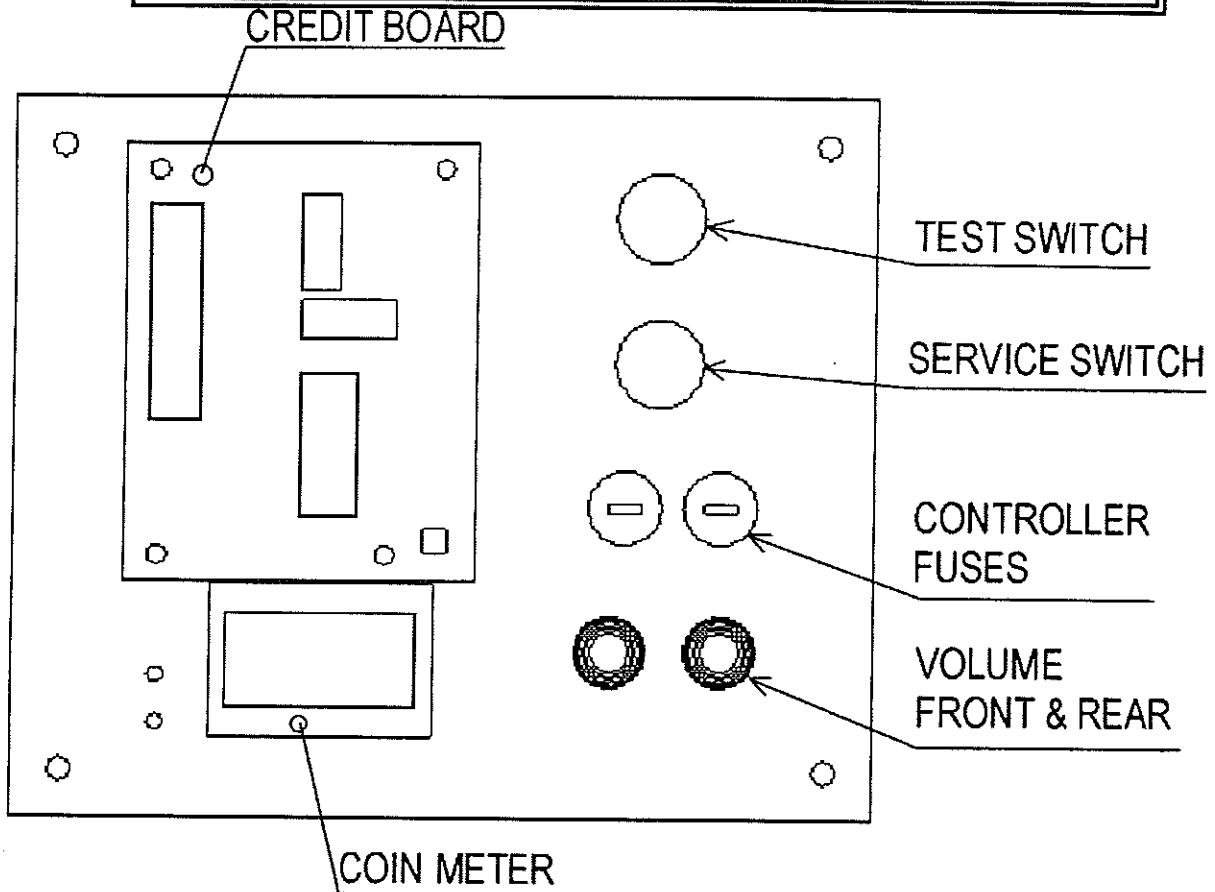
ITEM	DESCRIPTION	INTERVAL	REFERENCES
INSTALLATION OF THE MACHINE	<p>When the machine is installed perform the following checks:</p> <ul style="list-style-type: none"> <li>• Check to see that each setting is as per the standard settings input at the time of shipment.</li> <li>• In the INPUT TEST mode, check each switch and V.R.</li> <li>• In the OUTPUT TEST mode, check each of the lamps and motors.</li> <li>• In the MEMORY TEST mode check all of the IC's on the IC BD.</li> </ul>	Monthly	<p>Section 5.3.</p> <p>Section 5.3.3.</p> <p>Section 5.3.4.</p> <p>Section 5.3.1.</p>
MEMORY	<ul style="list-style-type: none"> <li>• On the TEST MENU screen choosing the MEMORY TEST allows self test to be performed. In this test RAM &amp; ROM are tested.</li> </ul>	Monthly	Section 5.3.1.
PERIODIC CHECKS	<p>Periodically perform the following</p> <ul style="list-style-type: none"> <li>• MEMORY TEST.</li> <li>• Ascertain each setting.</li> <li>• In the INPUT TEST mode, test the control devices.</li> <li>• In the OUTPUT TEST mode, check each of the lamps and motors.</li> </ul>	Monthly	<p>Section 5.3.1.</p> <p>Section 5.3.3.</p> <p>Section 5.3.4.</p>
CONTROL SYSTEM	<ul style="list-style-type: none"> <li>• In the INPUT TEST mode, check each switch and V.R.</li> <li>• Adjust or replace each switch and V.R.</li> </ul>	Monthly	<p>Section 5.3.3.</p> <p>Section 3.10.</p>
MONITOR	<ul style="list-style-type: none"> <li>• In the C.R.T. TEST mode, check to ensure the monitor is adjusted correctly</li> <li>• Clean screen (switch off machine and remove the plug. Do not use water jet)</li> </ul>	<p>Monthly</p> <p>Weekly</p>	Section 5.3.6.
IC BOARD	<p>MEMORY TEST</p> <ul style="list-style-type: none"> <li>• In the SOUND TEST mode, check the sound related ROMs</li> </ul>	Monthly	Section 5.3.5.
DATA CHECK	<ul style="list-style-type: none"> <li>• Check such data as held in the bookkeeping screens, relating to number and length of plays</li> </ul>	Monthly	Section 5.3.10.
EXTERIOR MAINTENANCE	<ul style="list-style-type: none"> <li>• Clean surfaces (do not use water jet)</li> </ul>	Monthly	
COIN MECHANISM	<ul style="list-style-type: none"> <li>• Check switch operation (if fitted)</li> </ul>	Monthly	

## 5.2. VTS ASSEMBLY



CAUTION!

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



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

TEST BUTTON  
(TEST SW)

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

SERVICE BUTTON  
(SERVICE SW)

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

VOLUME CONTROL FRONT

Adjusts the volume of the front speakers.

VOLUME CONTROL REAR

Adjusts the volume of the rear roof and seat speakers (bass shakers).

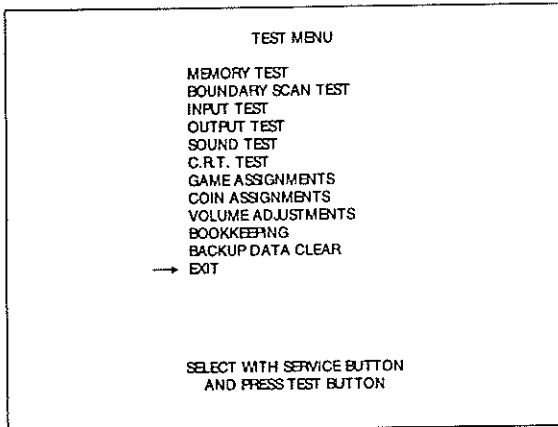
### 5.3. TEST MODE

The TEST MENU allows the functioning of each part of the cabinet to be checked, the monitor to be adjusted, the coins and game-related setting checks to be performed.



**IMPORTANT!**

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



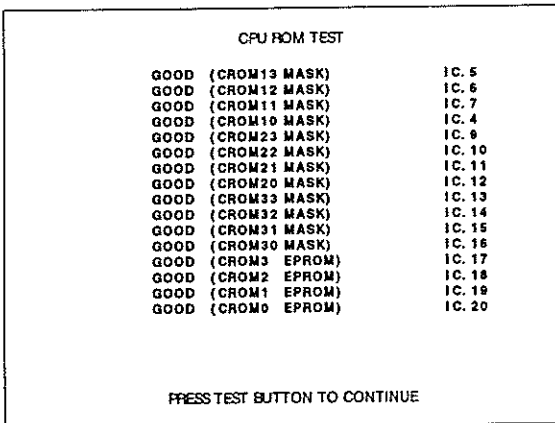
Press the TEST BUTTON to display the TEST MENU on the screen.

Press the SERVICE BUTTON to move the pointer to the desired item.

Press the TEST BUTTON to enter the desired menu.

Select EXIT and press the TEST BUTTON to exit the TEST MENU and return to the GAME MODE.

#### 5.3.1. MEMORY TEST

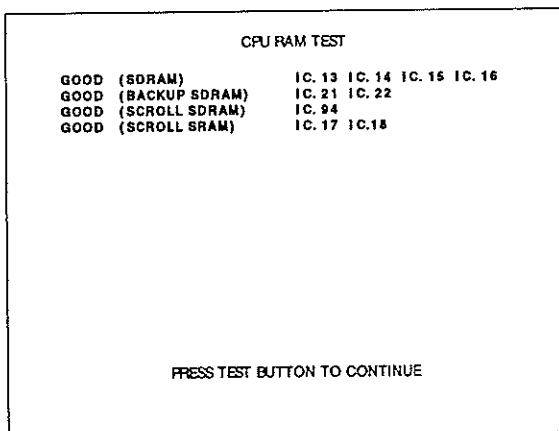


The MEMORY TEST is used for checking the on-board memory ICs. "GOOD" is displayed for normal ICs and "BAD" for faulty ones.

When the test is completed, if the results are as shown here, all is satisfactory.

During the test, "TESTING NOW" is displayed at the bottom of the screen. If after 5 minutes, the test has not finished, the IC board may be malfunctioning.

When the test has finished, press the TEST BUTTON to continue to "CPU RAM TEST".



During the test, "TESTING NOW" is displayed at the bottom of the screen.

When the test is completed, if the results are as shown here, all is satisfactory.

When the test has finished, press the TEST BUTTON to continue to "VIDEO BOARD ROM TEST".

```

VIDEO BOARD ROM TEST

GOOD (VROM01)      IC.26
GOOD (VROM00)      IC.27
GOOD (VROM03)      IC.28
GOOD (VROM02)      IC.29
GOOD (VROM05)      IC.30
GOOD (VROM04)      IC.31
GOOD (VROM07)      IC.32
GOOD (VROM06)      IC.33
GOOD (VROM11)      IC.34
GOOD (VROM10)      IC.35
GOOD (VROM13)      IC.36
GOOD (VROM12)      IC.37
GOOD (VROM15)      IC.38
GOOD (VROM14)      IC.39
GOOD (VROM17)      IC.40
GOOD (VROM16)      IC.41

PRESS TEST BUTTON TO CONTINUE

```

During the test, "TESTING NOW" is displayed at the bottom of the screen.

When the test is completed, if the results are as shown here, all is satisfactory.

When the test has finished, press the TEST BUTTON to continue to "VIDEO BOARD RAM TEST".

```

VIDEO BOARD RAM TEST

GOOD

PRESS TEST BUTTON TO EXIT

```

During the test, "TESTING NOW" is displayed at the bottom of the screen.

When the test is completed, if the results are as shown here, all is satisfactory.

When the test has finished, press the TEST BUTTON to return to the MAIN MENU.

### 5.3.2. BOUNDARY SCAN TEST

```

BOUNDARY SCAN TEST

TOTAL ERRORS 0

PRESS TEST BUTTON TO EXIT

```

Selecting BOUNDARY SCAN TEST makes the game board test its hardware configuration.

When the test is completed, if the results are as shown here, all is satisfactory.

When the test has finished, press the TEST BUTTON to return to the MAIN MENU. Next, turn the power to the machine off and turn it on again. Doing this initialises the board so as to avoid a malfunction.

If there are any hardware problems, an error message is displayed. Please contact the designated service organisation or the machine vendor.

### 5.3.3. INPUT TEST

INPUT TEST	
VOLUME 1P PITCH	00
VOLUME 1P YAW	00
VOLUME 2P PITCH	00
VOLUME 2P YAW	00
1P LEFT SHOT	OFF
1P RIGHT SHOT	OFF
2P LEFT SHOT	OFF
2P RIGHT SHOT	OFF
1P START	OFF
1P START	OFF
COIN # 1	OFF
COIN # 2	OFF
SERVICE	OFF
TEST	OFF

PRESS SERVICE + TEST BUTTON TO EXIT

Selecting INPUT TEST displays the following screen and is used to check the status of each switch and volume control input.

Using this screen, periodically check the status of each switch & volume control.

If the display changes from OFF to ON when pressing the relevant switch, the wiring connections are satisfactory.

To check the COIN switch route, insert a coin(s) into the validator to the value of one credit. The display will change from OFF to ON momentarily.

When the Gun Controller is moved from left to right (YAW) and up and down (PITCH), the hexadecimal value on the screen will change. The allowable limits are as follows:

PITCH 40H ~ D0H

YAW 30H ~ D0H

Press the SERVICE + TEST BUTTON together to return to the MAIN MENU.

### 5.3.4. OUTPUT TEST

OUTPUT TEST	
1P START LAMP	OFF
2P START LAMP	OFF
1P CONTROLLER REACTION	OFF
2P CONTROLLER REACTION	OFF

→ EXIT

SELECT WITH SERVICE BUTTON  
AND PRESS TEST BUTTON

This test allows the functioning of the START button lamps and the Gun Controller reaction to be checked.

Using this screen, periodically check the status of the START switch lamps.

Use the SERVICE BUTTON to move the pointer to the desired item.

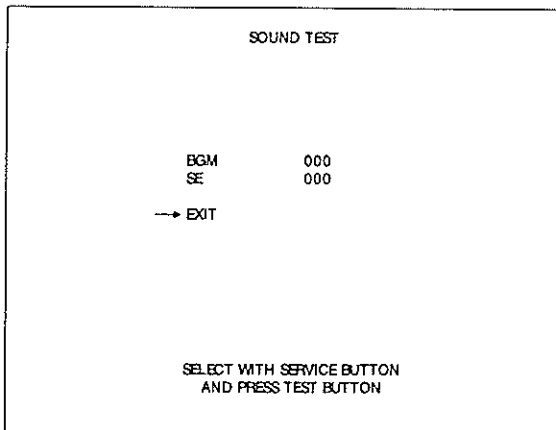
Use the TEST BUTTON to check the output status.

If the START button lamp lights when the menu item is changed from OFF to ON, the lamp is working satisfactorily.

When the CONTROLLER REACTION is changed from OFF to ON, the Gun Controller moves continuously.

Select EXIT and press the TEST BUTTON to return to the MAIN MENU.

### 5.3.5. SOUND TEST



This enables the sounds used in the game to be checked. Sound-related IC boards and each speaker are checked.

BGM reproduces selected background music.

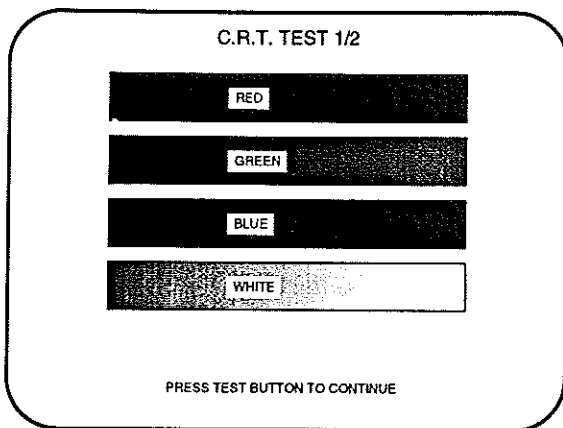
SE reproduces selected sound effects.

Use the SERVICE BUTTON to move the pointer to the desired item.

Use the TEST BUTTON to check the sound. Repetitive pressing of the TEST BUTTON advances the selection onto the next sound track or sample.

Select EXIT and press the TEST BUTTON to return to the MAIN MENU.

### 5.3.6. C.R.T. TEST



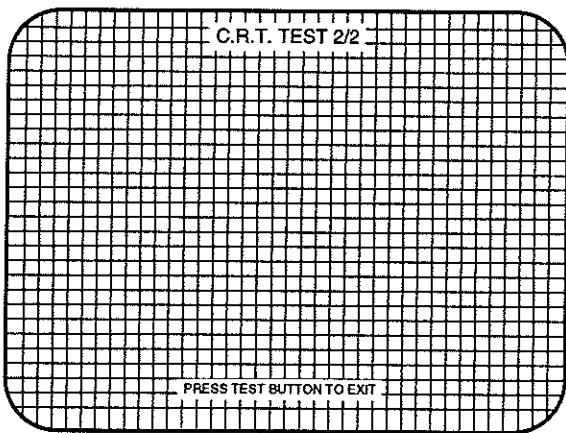
#### RGB COLOUR ADJUSTMENT

This allows the monitor set-up to be checked.

Each of the Red, Green & Blue colour bars is darkest at the left-hand end and lightest at the right-hand end.

The monitor's brightness setting is satisfactory if the white colour bar is black at the left-hand end and white at the right-hand end.

Press the TEST BUTTON to proceed to the next screen.



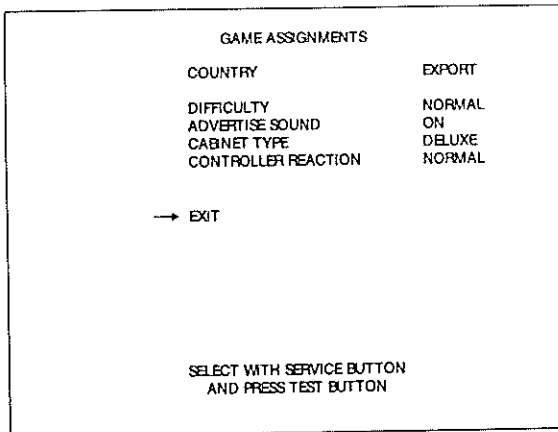
#### MONITOR SIZE ADJUSTMENT

This allows the monitor size to be checked.

Adjust so that the chequered pattern does not extend beyond the screen.

Press the TEST BUTTON to return to the MAIN MENU.

### 5.3.7. GAME ASSIGNMENTS

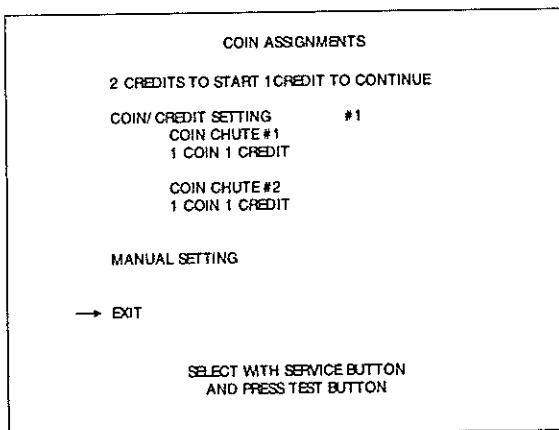


Selecting the GAME ASSIGNMENTS menu displays the current game settings (difficulty, etc) and allows them to be changed to suit the installation site. The factory-default settings are those in **BOLD** typeface.

- COUNTRY** This setting is pre-determined and cannot be selected
- DIFFICULTY** Game difficulty can be set to one of 4 levels (**EASY**, **NORMAL**, **HARD** & **HARDEST**). The enemy's appearance frequency and the strength of the **BOSS** depend on the difficulty level setting.
- ADVERTISE SOUND** The setting of sound emission during the advertise mode. **ON** (sound to be emitted) or **OFF** (no sound to be emitted).
- CABINET TYPE** Setting for the cabinet. Set to **DELUXE** for this machine.
- CONTROLLER REACTION** Sets the Gun Controller's reaction strength (**NORMAL** or **STRONG**) and **OFF** for no reaction.

Use the **SERVICE BUTTON** to move the pointer to the desired item.  
 Use the **TEST BUTTON** to change the setting.  
 Select **EXIT** and press the **TEST BUTTON** to return to the **MAIN MENU**.

### 5.3.8. COIN ASSIGNMENTS



This allows the **COIN/CREDIT** settings to be changed.  
 Press the **SERVICE BUTTON** to bring the arrow to the desired item.  
 Press the **TEST BUTTON** to choose the desired item.  
 Select **EXIT** and press the **TEST BUTTON** to return to the **MAIN MENU**.

- **COIN/CREDIT SETTING (#1~#27)**

Sets the **CREDIT** increase per coin insertion. There are 27 settings from #1 to #27 expressed in # credits against # coins inserted. Note that #27 refers to **FREEPLAY**. For details of the **COIN/CREDIT** setting refer to the following tables for the **COMMON** and **INDIVIDUAL** settings.

- **MANUAL SETTING**

Changing the **CREDIT**'s incremental increase settings as shown later in this section.



### 5.3.8.1.COIN/CREDIT SETTING

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

### 5.3.8.2.MANUAL SETTING

MANUAL SETTING	
COIN TO CREDIT	1 COIN 1 CREDIT
BONUS ADDER	NO BONUS ADDER
COIN CHUTE #1 MUTLIPLIER	1 COIN COUNTS AS 1 COIN
COIN CHUTE #2 MUTLIPLIER	1 COIN COUNTS AS 1 COIN
→ EXIT	
SELECT WITH SERVICE BUTTON AND PRESS TEST BUTTON	

This allows the COIN/CREDIT settings to be changed manually

Press the SERVICE BUTTON to bring the arrow to the desired item.

Press the TEST BUTTON to choose the desired item.

Select EXIT and press the TEST BUTTON to return to the MAIN MENU.

- COIN TO CREDIT

Determines the coin/credit setting.

- BONUS ADDER

Sets how many coins should be inserted to obtain one service coin.

- COIN CHUTE MULTIPLIER

Sets how many tokens one coin represents

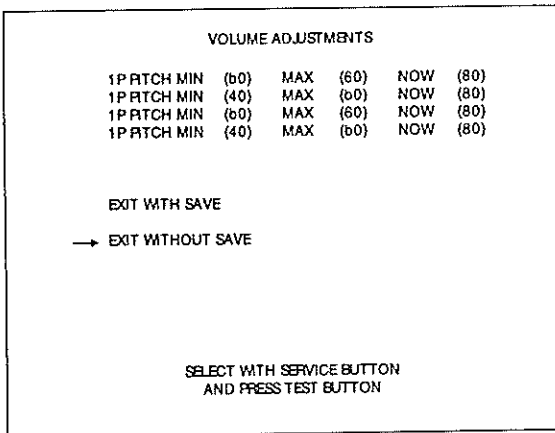
#### MANUAL SETTING

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

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

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

### 5.3.9. VOLUME ADJUSTMENTS



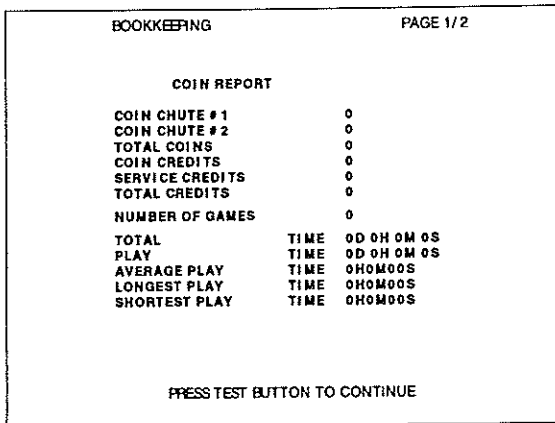
This menu allows the volume input values to be adjusted after the replacement of the Gun Controller volume (VR) or when the Gun Controller movements are irregular.

Set an appropriate VR value by moving the Gun Controller up/down left/right fully within the movable range.

Use the SERVICE BUTTON to move the pointer to "EXIT WITH SAVE" and press the TEST BUTTON to store the settings and return to the MAIN MENU.

To return to the MAIN MENU without changing the settings, move the cursor to "EXIT WITHOUT SAVE" and press the TEST BUTTON.

### 5.3.10. BOOKKEEPING



This menu displays the data stored during game play. PAGE 1 / 2 shows COIN / CREDIT related data. Press the TEST BUTTON to proceed to PAGE 2 / 2.

COIN CHUTE #1, 2

The number of coins pass through each coin route.

TOTAL COINS

Total number of coins inserted.

COIN CREDITS

Number of credits registered by inserting coins.

SERVICE CREDITS

Number of credits registered by pressing the SERVICE BUTTON.

TOTAL CREDITS

Total number of credits (COIN CREDITS + SERVICE CREDITS).

NUMBER OF GAMES

Total number of plays.

TOTAL TIME

Total energised time.

PLAY TIME

Total play time.

AVERAGE PLAY TIME

Average play time.

LONGEST PLAY TIME

Longest play time.

SHORTEST PLAY TIME

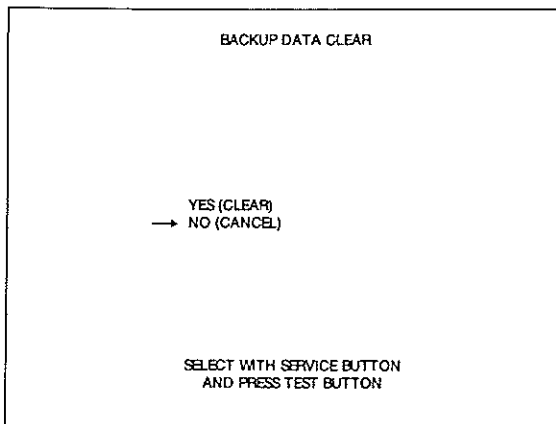
Shortest play time.

BOOKKEEPING	PAGE 2 / 2
TIME HISTOGRAM	
0M00S - 0M29S	0
0M30S - 0M59S	0
1M00S - 1M29S	0
1M30S - 1M59S	0
2M00S - 2M29S	0
2M30S - 2M59S	0
3M00S - 3M29S	0
3M30S - 3M59S	0
4M00S - 4M29S	0
4M30S - 4M59S	0
5M00S - 5M29S	0
5M30S - 5M59S	0
6M00S - 6M29S	0
6M30S - 6M59S	0
7M00S - 7M29S	0
7M30S - 7M59S	0
8M00S - 8M29S	0
8M30S - 8M59S	0
9M00S - 9M29S	0
9M30S - 9M59S	0
OVER 10M00S	0

PRESS SERVICE BUTTON TO CONTINUE  
PRESS TEST BUTTON TO EXIT

On PAGE 2 / 2 the PLAY TIME HISTOGRAM is displayed.

### 5.3.11.BACKUP DATA CLEAR



Clears the contents of BOOKKEEPING.

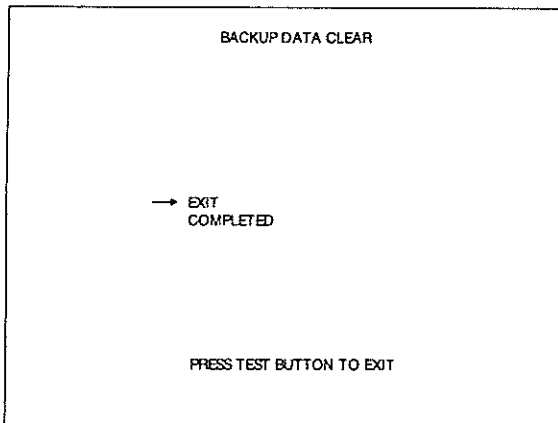
Use the SERVICE BUTTON to move the pointer to the desired item.

If "YES (CLEAR)" is selected, the contents of BOOKKEEPING will be deleted. Press the TEST BUTTON to delete the contents. When cleared, "COMPLETED" will be displayed.

Press the TEST BUTTON to return to the MAIN MENU.

If "NO (CANCEL)" is selected, the contents of BOOKKEEPING will remain.

Press the TEST BUTTON to cancel the operation and return to the MAIN MENU.



## 5.4. COIN MECH INSTALLATION AND CREDIT BOARD SET UP

### 5.4.1. INTRODUCTION

Game credits between the Coin Mechanism and the game board for this machine are controlled by a *Klingon 2* board. This electronic circuit allows the price of play to be set for a range of different countries. These functions are set on Dual In Line (DIL) PCB mounted switches.

DIL-2 is used to set the currency (or coin ratio) and DIL-1 the price of play. Refer to the Tables on the following pages for the correct settings for your environment.

The *Klingon2* board pictured below is mounted on the VTS Bracket within the Coin Chute Tower.

The *Klingon2* board is connected to the coin validator and lamps via a dedicated wiring harness depending upon the coin validator used:

Wiring Harness	Validator	
LM1006 or LM1006IDC + LM1006LAMP	Coin Controls	(15 way connector)
LM1007	Mars	(13 way connector)
LM1008	Mechanical	See note 2
N/A	NRI	See note 1

#### Notes

1. If NRI 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 *Klingon 2* board should be then be set up for either the UK or Switzerland settings. A minimum connecting lead length of 600mm is required. Note also that the NRI is not yet covered for continued EMC compliance. For a list of approved validators, refer to sections 3.2. & 3.5.4.1.
2. Mechanical coin mechanisms may be connected in parallel allowing two identical mechanisms to be fitted.

### 5.4.2. KLINGON 2 CREDIT BOARD OPTION SETTINGS

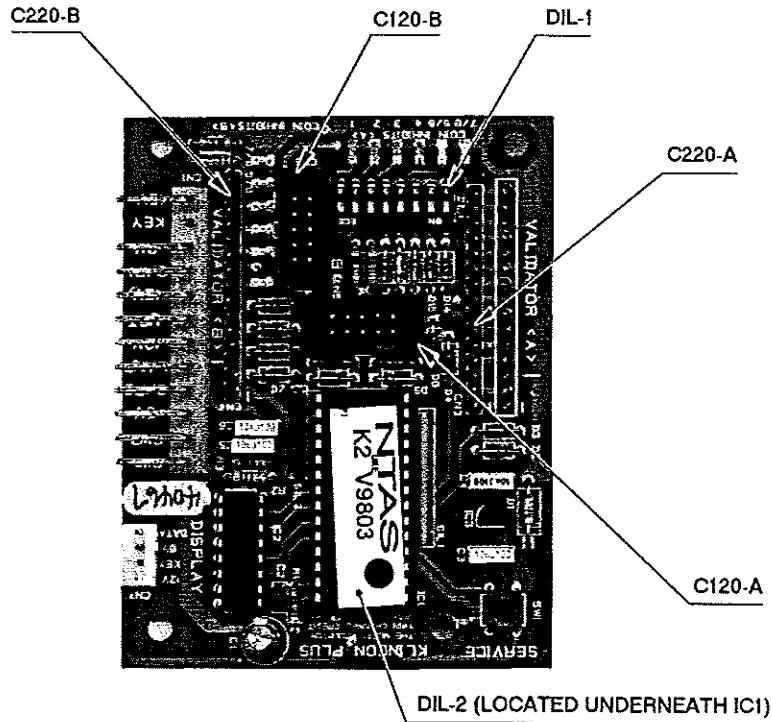
#### Universal Currency Settings - DIL Switch 2

4	3	2	1	Currency	C1	C2	C3	C4	C5	C6	C7	C8
↓	off	off	off	UK (p)	100	50	20	10	-	200	-	50(old)
↓	off	off	ON	Belgium (BFr)	-	50	20	5	-	-	-	-
↓	off	ON	off	Spain (Pta)	500	200	100	50	-	25	-	200(old)
↓	off	ON	ON	Germany (DM)	10	5	2	1	-	-	-	-
↓	ON	off	off	Netherlands (NLG)	-	5	2.5	1	-	-	-	-
↓	ON	off	ON	Portugal (Es)	100	50	-	-	-	-	-	-
↓	ON	ON	off	Austria (Sch)	20	10	5	1	-	-	-	-
↓	ON	ON	ON	Switzerland (SFr)	5	2	1	-	-	-	-	-
OFF	↑	↑	↑	Direct Mode	↑	↑	↑	↑	↑	↑	↑	↑
ON	↑	↑	↑	2 Channel Mode	↑	↑	↑	↑	↑	↑	↑	↑

Note: These switch settings are under constant review and may change due to world currency updates.

Set DIL switches (DIL-1) SW-1 to SW-5 according to the option settings found in the relevant Price Of Play Settings Table on the following pages.

Set DIL switches (DIL-2) on the *Klingon 2* board located under the IC socket as shown in the table above. SW-4 must always be set OFF. Care must be exercised when removing IC-1 so as not to damage its lead-outs pins. After setting the switches return the IC to its socket with the package indent mark adjacent to the board edge.



The "Klingon 2" board.

### 5.4.2.1.PRICE OF PLAY SETTINGS UNIVERSAL

#### Universal Credit Settings - DIL Switch 1

Currency	Value of each U	Value of each Meter Pulse
UK	10 p	10 p
Belguim	5 BFr	5 BFr
Spain	25 Pta	25 Ptas
Germany	1 DM	1 DM
Holland	½ NLG	½ NLG
Portugal	25 Es	25 Es
Austria	1 Sch	1 Sch
Switzerland	1 SFr	1 SFr

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
1U						ON
1U	6 for 5U				ON	ON
2U					ON	ON
2U	3 for 5U				ON	ON
3U				ON		ON
3U	2 for 5U			ON		ON
4U				ON	ON	ON
4U	3 for 10U			ON	ON	ON
5U			ON			ON
5U	5 for 20U		ON			ON
6U			ON		ON	ON
6U	2 for 10U		ON		ON	ON
8U			ON	ON		ON
8U	3 for 20U		ON	ON		ON
10U			ON	ON	ON	ON
10U	3 for 20U		ON	ON	ON	ON
12U		ON				ON
15U		ON				ON
20U		ON			ON	ON
25U		ON			ON	ON
30U		ON		ON		ON
35U		ON		ON		ON
40U		ON		ON	ON	ON
45U		ON		ON	ON	ON
50U		ON	ON			ON
Free		ON	ON	ON	ON	ON

#### Coin Mech Mode

#### DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

The price of play settings for each country can be worked out by combining the two tables above.

### 5.4.2.2.PRICE OF PLAY SETTINGS FOR THE UK (£ = Pound Sterling)

#### Parallel 4 Coin Validator

1	2	3	4
£1	50p new (50p) old	20p	10p

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
£1	50p (new)	20p	10p		£2		50p (old)

#### C120 Validator

1	2	3	4	5	6
£1	50p new 50p old	20p	10p	n/u	£2

#### DIL Switch 2 (situated beneath NTAS chip)Settings

Mode	1	2	3	4
Direct Mode	OFF	OFF	OFF	OFF
2 Channel Mode	OFF	OFF	OFF	ON

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
10p						
10p	6 for 50p					ON
20p					ON	
20p	3 for 50p				ON	ON
30p				ON		
30p	2 for 50p			ON		ON
40p				ON	ON	
40p	3 for £1			ON	ON	ON
50p			ON			
50p	5 for £2		ON			ON
60p			ON		ON	
60p	2 for £1		ON		ON	ON
80p			ON	ON		
80p	3 for £2		ON	ON		ON
£1			ON	ON	ON	
£1	3 for £2		ON	ON	ON	ON
£1.20		ON				
£1.50		ON				ON
£2.00		ON			ON	
£2.50		ON			ON	ON
£3.00		ON		ON		
£3.50		ON		ON		ON
£4.00		ON		ON	ON	
£4.50		ON		ON	ON	ON
£5.00		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel



### 5.4.2.3.PRICE OF PLAY SETTINGS FOR BELGUIM (BFr = Belgian Franc)

#### Parallel 4 Coin Validator

1	2	3	4
	50	20	5

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
	50	20	5				

#### C120 Validator

1	2	3	4	5	6
	50	20	5		

#### DIL Switch 2 Settings

Mode	4	3	2	1
Direct Mode	OFF	OFF	OFF	ON
2 Channel Mode	ON	OFF	OFF	ON

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
5 BFr						
5 BFr	6 for 25 BFr					ON
10 BFr					ON	
10 BFr	3 for 25 BFr				ON	ON
15 BFr				ON		
15 BFr	2 for 25 BFr			ON		ON
20 BFr				ON	ON	
20 BFr	3 for 50 BFr			ON	ON	ON
25 BFr			ON			
25 BFr	5 for 100 BFr		ON			ON
30 BFr			ON		ON	
30 BFr	2 for 50 BFr		ON		ON	ON
40 BFr			ON	ON		
40 BFr	3 for 100 BFr		ON	ON		ON
50 BFr			ON	ON	ON	
50 BFr	3 for 100 BFr		ON	ON	ON	ON
60 BFr		ON				
75 BFr		ON				ON
100 BFr		ON			ON	
125 BFr		ON			ON	ON
150 BFr		ON		ON		
175 BFr		ON		ON		ON
200 BFr		ON		ON	ON	
225 BFr		ON		ON	ON	ON
250 BFr		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

### 5.4.2.4.PRICE OF PLAY SETTINGS FOR SPAIN (Pta = Peseta)

#### Parallel 4 Coin Validator

1	2	3	4
500	200 (200)	100	50 (50)

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
500	200	100	50		25		(200)

#### C120 Validator

1	2	3	4	5	6
500	200 (200)	100	50 (50)		25 (25)

#### DIL Switch 2 Settings

Mode	4	3	2	1
Direct Mode	OFF	OFF	ON	OFF
2 Channel Mode	ON	OFF	ON	OFF

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
25 Pta						
25 Pta	6 for 125 Pta					ON
50 Pta					ON	
50 Pta	3 for 125 Pta				ON	ON
75 Pta				ON		
75 Pta	2 for 125 Pta			ON		ON
100 Pta				ON	ON	
100 Pta	3 for 250 Pta			ON	ON	ON
125 Pta			ON			
125 Pta	5 for 500 Pta		ON			ON
150 Pta			ON		ON	
150 Pta	2 for 250 Pta		ON		ON	ON
200 Pta			ON	ON		
200 Pta	3 for 500 Pta		ON	ON		ON
250 Pta			ON	ON	ON	
250 Pta	3 for 500 Pta		ON	ON	ON	ON
300 Pta		ON				
375 Pta		ON				ON
500 Pta		ON			ON	
625 Pta		ON			ON	ON
750 Pta		ON		ON		
875 Pta		ON		ON		ON
1000 Pta		ON		ON	ON	
1125 Pta		ON		ON	ON	ON
1250 Pta		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

**5.4.2.5.PRICE OF PLAY SETTINGS FOR THE NETHERLANDS  
(NLG = Netherlands Guilder)**

*Parallel 4 Coin Validator*

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	5	2.5	1

*C220 Binary Mode Validator*

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
	5	2.5	1				

*C120 Validator*

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	5	2.5	1		

*DIL Switch 2 Settings*

<b>Mode</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
Direct Mode	OFF	ON	OFF	OFF
2 Channel Mode	ON	ON	OFF	OFF

*DIL Switch 1 Settings*

Per Game	Bonus	5	4	3	2	1
0.5 NLG						
0.5 NLG	6 for 2.5 NLG					ON
1 NLG					ON	
1 NLG	3 for 2.5 NLG				ON	ON
1.5 NLG				ON		
1.5 NLG	2 for 2.5 NLG			ON		ON
2 NLG				ON	ON	
2 NLG	3 for 5 NLG			ON	ON	ON
2.5 NLG			ON			
2.5 NLG	5 for 10 NLG		ON			ON
3 NLG			ON		ON	
3 NLG	2 for 5 NLG		ON		ON	ON
4 NLG			ON	ON		
4 NLG	3 for 10 NLG		ON	ON		ON
5 NLG			ON	ON	ON	
5 NLG	3 for 10 NLG		ON	ON	ON	ON
6 NLG		ON				
7.5 NLG		ON				ON
10 NLG		ON			ON	
12.5 NLG		ON			ON	ON
15 NLG		ON		ON		
17.5 NLG		ON		ON		ON
20 NLG		ON		ON	ON	
22.5 NLG		ON		ON	ON	ON
25 NLG		ON	ON			
Free Play		ON	ON	ON	ON	ON

*Coin Mech Mode  
DIL Switch 1*

<b>6</b>	<b>7</b>	<b>8</b>	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

### 5.4.2.6.PRICE OF PLAY SETTINGS FOR PORTUGAL (Es = Escudo)

#### Parallel 4 Coin Validator

1	2	3	4
100	50		

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
100	50						

#### C120 Validator

1	2	3	4	5	6
100	50				

#### DIL Switch 2 Settings

Mode	4	3	2	1
Direct Mode	OFF	ON	OFF	ON
2 Channel Mode	ON	ON	OFF	ON

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
25 Es						
25 Es	6 for 125 Es					ON
50 Es					ON	
50 Es	3 for 125 Es				ON	ON
75 Es				ON		
75 Es	2 for 125 Es			ON		ON
100 Es				ON	ON	
100 Es	3 for 250 Es			ON	ON	ON
125 Es			ON			
125 Es	5 for 500 Es		ON			ON
150 Es			ON		ON	
150 Es	2 for 250 Es		ON		ON	ON
200 Es			ON	ON		
200 Es	3 for 500 Es		ON	ON		ON
250 Es			ON	ON	ON	
250 Es	3 for 500 Es		ON	ON	ON	ON
300 Es		ON				
375 Es		ON				ON
500 Es		ON			ON	
625 Es		ON			ON	ON
750 Es		ON		ON		
875 Es		ON		ON		ON
1000 Es		ON		ON	ON	
1125 Es		ON		ON	ON	ON
1250 Es		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

### 5.4.2.7.PRICE OF PLAY SETTINGS FOR AUSTRIA (Sch = Schilling)

#### Parallel 4 Coin Validator

1	2	3	4
20	10	5	1

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
20	10	5	1				

#### C120 Validator

1	2	3	4	5	6
20	10	5	1		

#### DIL Switch 2 Settings

Mode	4	3	2	1
Direct Mode	OFF	ON	ON	OFF
2 Channel Mode	ON	ON	ON	OFF

#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
1 Sch						
1 Sch	6 for 5 Sch					ON
2 Sch					ON	
2 Sch	3 for 5 Sch				ON	ON
3 Sch				ON		
3 Sch	2 for 5 Sch			ON		ON
4 Sch				ON	ON	
4 Sch	3 for 10 Sch			ON	ON	ON
5 Sch			ON			
5 Sch	5 for 20 Sch		ON			ON
6 Sch			ON		ON	
6 Sch	2 for 10 Sch		ON		ON	ON
8 Sch			ON	ON		
8 Sch	3 for 20 Sch		ON	ON		ON
10 Sch			ON	ON	ON	
10 Sch	3 for 20 Sch		ON	ON	ON	ON
12 Sch		ON				
15 Sch		ON				ON
20 Sch		ON			ON	
25 Sch		ON			ON	ON
30 Sch		ON		ON		
35 Sch		ON		ON		ON
40 Sch		ON		ON	ON	
45 Sch		ON		ON	ON	ON
50 Sch		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

### 5.4.2.8.PRICE OF PLAY SETTINGS FOR SWITZERLAND (SFr = Swiss Franc)

#### Parallel 4 Coin Validator

1	2	3	4
5	2	1	

#### C220 Binary Mode Validator

1	2	3	4	5	6	7	8
5	2	1					

#### C120 Validator

1	2	3	4	5	6
5	2	1			

#### DIL Switch 2 Settings

Mode	4	3	2	1
Direct Mode	OFF	ON	ON	ON
2 Channel Mode	ON	ON	ON	ON

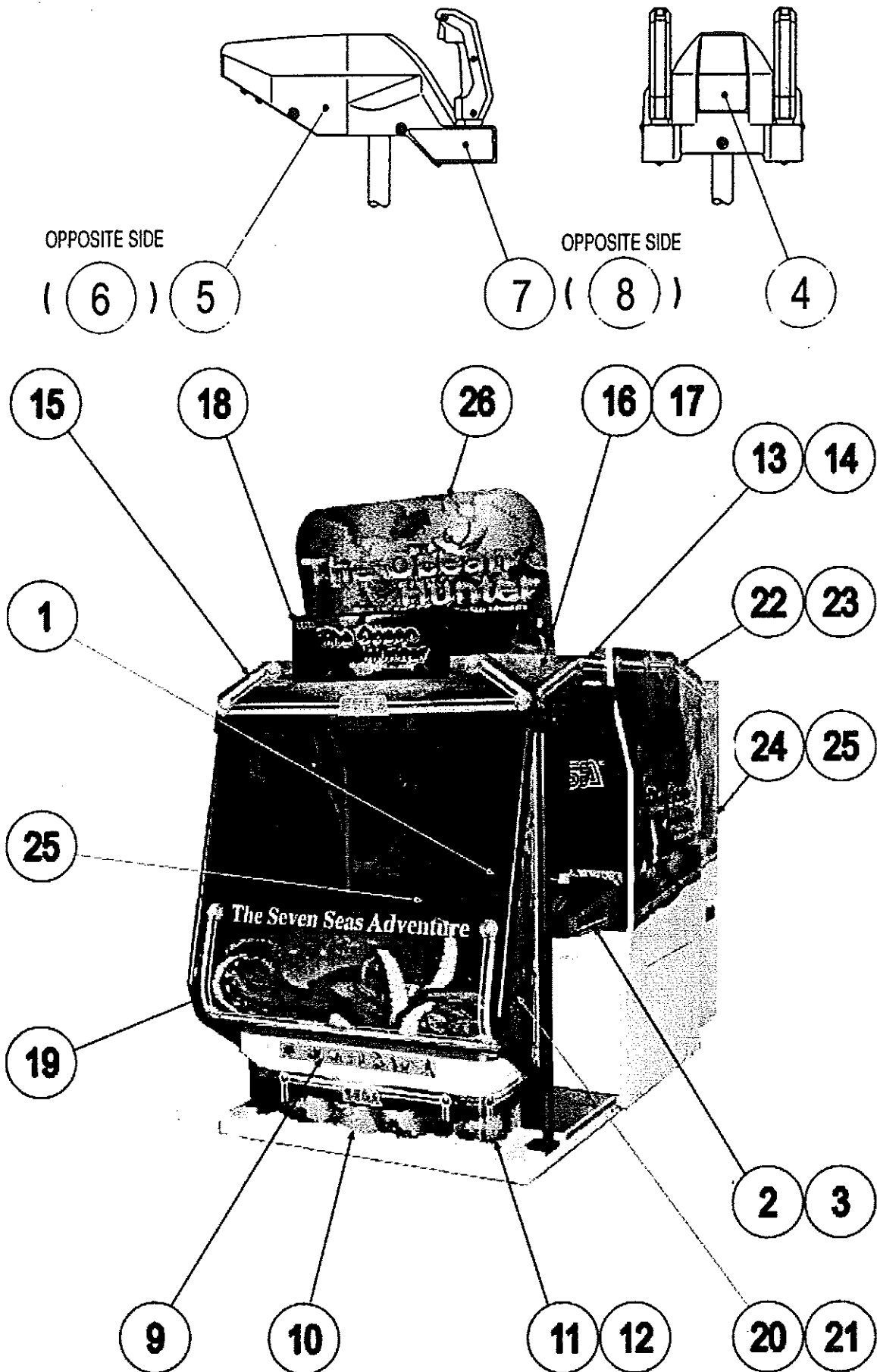
#### DIL Switch 1 Settings

Per Game	Bonus	5	4	3	2	1
1 SFr						
1 SFr	6 for 5 SFr					ON
2 SFr					ON	
2 SFr	3 for 5 SFr				ON	ON
3 SFr				ON		
3 SFr	2 for 5 SFr			ON		ON
4 SFr				ON	ON	
4 SFr	3 for 10 SFr			ON	ON	ON
5 SFr			ON			
5 SFr	5 for 20 SFr		ON			ON
6 SFr			ON		ON	
6 SFr	2 for 10 SFr		ON		ON	ON
8 SFr			ON	ON		
8 SFr	3 for 20 SFr		ON	ON		ON
10 SFr			ON	ON	ON	
10 SFr	3 for 20 SFr		ON	ON	ON	ON
12 SFr		ON				
15 SFr		ON				ON
20 SFr		ON			ON	
25 SFr		ON			ON	ON
30 SFr		ON		ON		
35 SFr		ON		ON		ON
40 SFr		ON		ON	ON	
45 SFr		ON		ON	ON	ON
50 SFr		ON	ON			
Free Play		ON	ON	ON	ON	ON

#### Coin Mech Mode DIL Switch 1

6	7	8	
n/u	ON	ON	Binary
n/u	OFF	OFF	Parallel

6. DESIGN RELATED PARTS

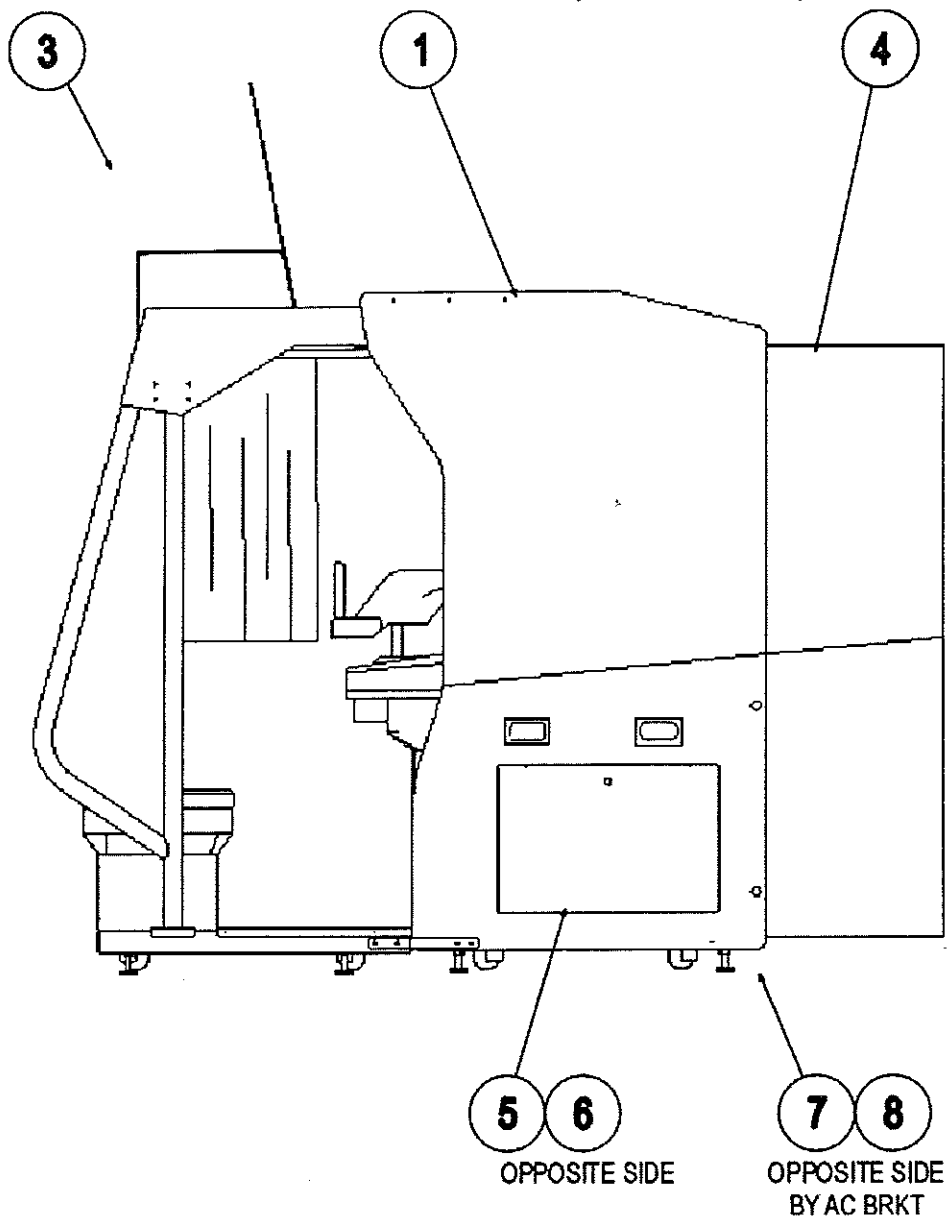


No.	PART NUMBER	QTY	DESCRIPTION
1	422-0701UK	1	PLAY INSTR OCN S/DX MULTI
2	OCN-1005-B	1	STICKER CP SIDE L
3	OCN-1006-B	1	STICKER CP SIDE R
4	OCN-2001-B	2	STICKER METER
5	OCN-2001-C	2	STICKER CNT COVER L
6	OCN-2001-D	2	STICKER CNT COVER R
7	OCN-2001-E	2	STICKER COVER LOWER L
8	OCN-2001-F	2	STICKER COVER LOWER R
9	OCN-3001-B	1	STICKER SEAT UPPER
10	OCN-3001-C	1	STICKER SEAT LOWER
11	OCN-3003-A	1	STICKER SEAT SIDE L
12	OCN-3004-A	1	STICKER SEAT SIDE R
13	OCN-5001-BUK	1	STICKER SIDE L
14	OCN-5001-CUK	1	STICKER SIDE R
15	OCN-5001-DUK	1	STICKER BACK
16	OCN-5001-EUK	1	STICKER QU'AD L
17	OCN-5001-FUK	1	STICKER QUAD R
18	OCN-5008UK	1	BILLBOARD PLATE
19	OCN-5304UK	1	STICKER WINDOW BACK
20	OCN-5311UK	1	STICKER FRAME L
21	OCN-5312UK	1	STICKER FRAME R
22	OCN-6002UK	1	STICKER SIDE L
23	OCN-6003UK	1	STICKER SIDE R
24	OCN-7006UK	1	STICKER SIDE L
25	OCN-7007UK	1	STICKER SIDE R
26	OCN-8005UK	1	STICKER CONTROL PANEL



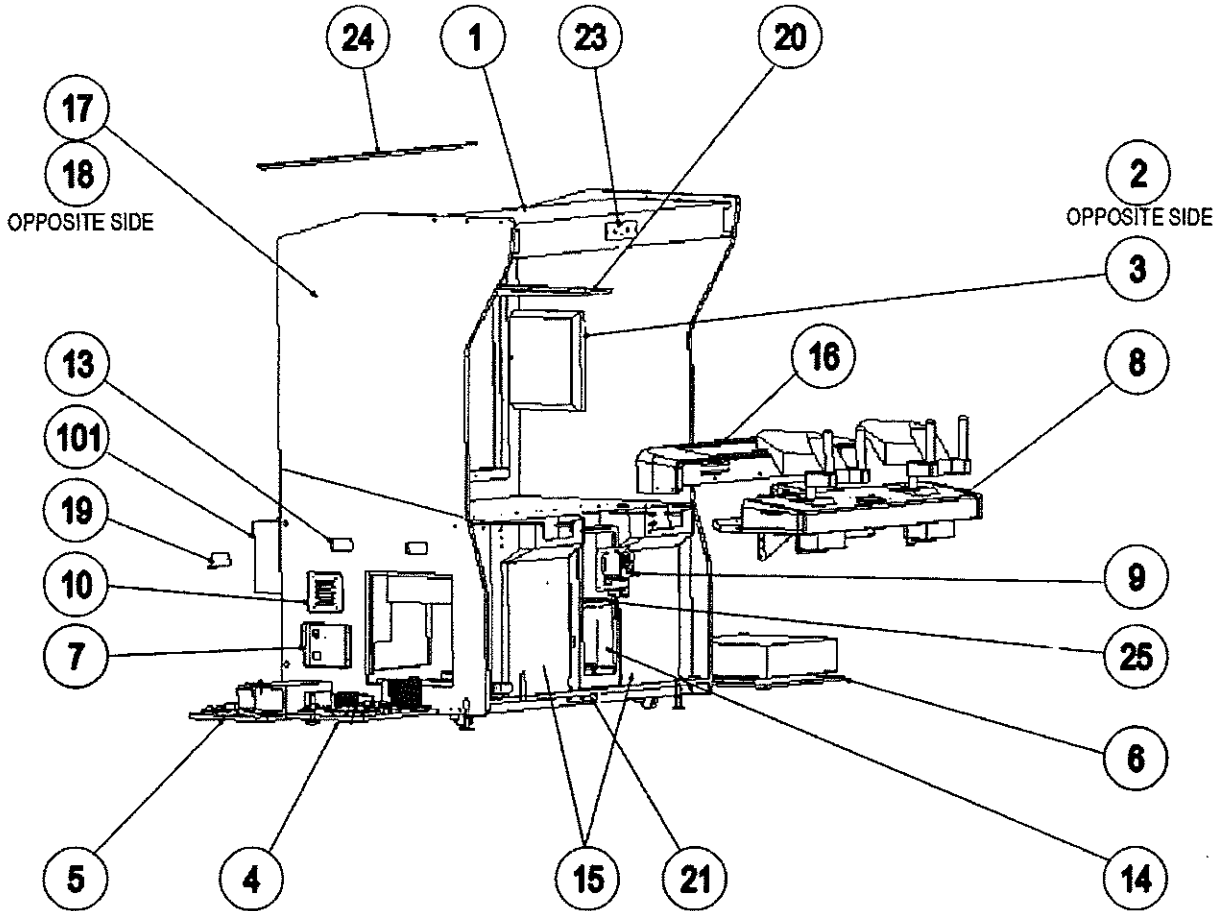
## 7. PARTS LIST

### 7.1. TOP ASSY OCEAN HUNTER S/DX (OCN-00000UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-10002UK	ASSY MAIN CABI		1
3	OCN-INST-SDX	ASSY INSTALLATION KIT S/DX		1
4	OCN-6000UK	ASSY PTV		1
5	OCN-7002UK	DOOR R W/ LOCK		1
6	OCN-7003UK	DOOR L		1
7	421-7987-OCN-T	STICKER ELEC SPEC OCN S/DX		1
8	421-7988-91UK	STICKER SERIAL NUMBER UK	MAIN CABI, SEAT, BBD	3
9	LB1046	LABEL TESTED FOR ELEC. SAFETY		1
10	PK0172	PALLET FRONT CABI OCN SDX		1
11	PK0173	SLEEVE FRONT CABI OCN SDX		1
201	FX0040	M4X25 MSCR POSI PAN BZP	(5)-2,(6)-2	4
202	FX0241	M4 WSHR FORM C FLT BZP	(5)-2,(6)-2	4

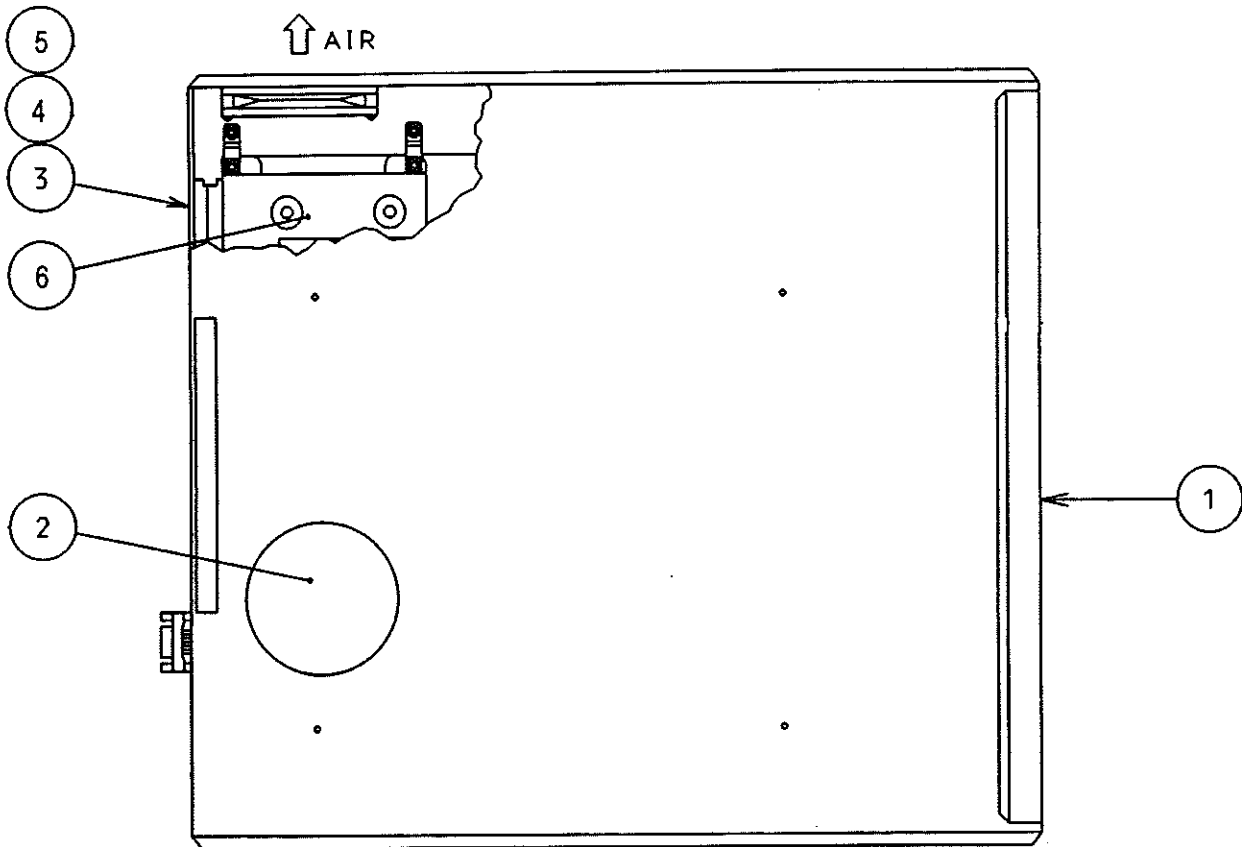
## 7.2. ASSY MAIN CABI (OCN-10002UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-7001UK	WOODEN CABI W/CASTOR & BRKTS		1
2	OCN-7100UK	ASSY SPEAKER FL		1
3	OCN-7200UK	ASSY SPEAKER FR		1
4	OCN-7500UK	ASSY ELEC		1
5	OCN-7550UK	ASSY PWR BD		1
6	OCN-7400UK	ASSY MAIN BD		1
7	OCN-7600UK	ASSY AC UNIT		1
8	OCN-8000UK	ASSY CONTROL PANEL		1
9	OCN-7560UK	ASSY VTS OCN S/DX		1
10	OCN-7300UK	ASSY AIR VENT BLACK		1
11	OCN-7700UK	ASSY WIRE TRUNK MAIN CABI		1
12	OCN-7750UK	ASSY WIRE TRUNK VTS MAIN CABI		1
13	253-5396-02	CABINET HANDLE WHITE		4
14	PP1087	BOX CASH FOR MINI DOOR		1
15	OCN-1004-AUK	FRONT COVER BLANK		2
16	OCN-8001UK	CONT PNL COVER REAR		1
17	OCN-7006UK	STICKER SIDE L		1
18	OCN-7007UK	STICKER SIDE R		1
19	OCN-7011UK	WOOFER BRKT		1
20	OCN-7010UK	WIRE COVER ROOF		1
21	OCN-7005UK	CONN PANEL SEAT		1
22	OCN-3001-B	STICKER SEAT UPPER	UNDER PTV APERTURE	1
23	OCN-7012UK	CON PNL ROOF	(1)-1	1
24	OCN-6001UK	WATER BRKT		1
25	DUT-0302UK	COIN PATH PLATE		1

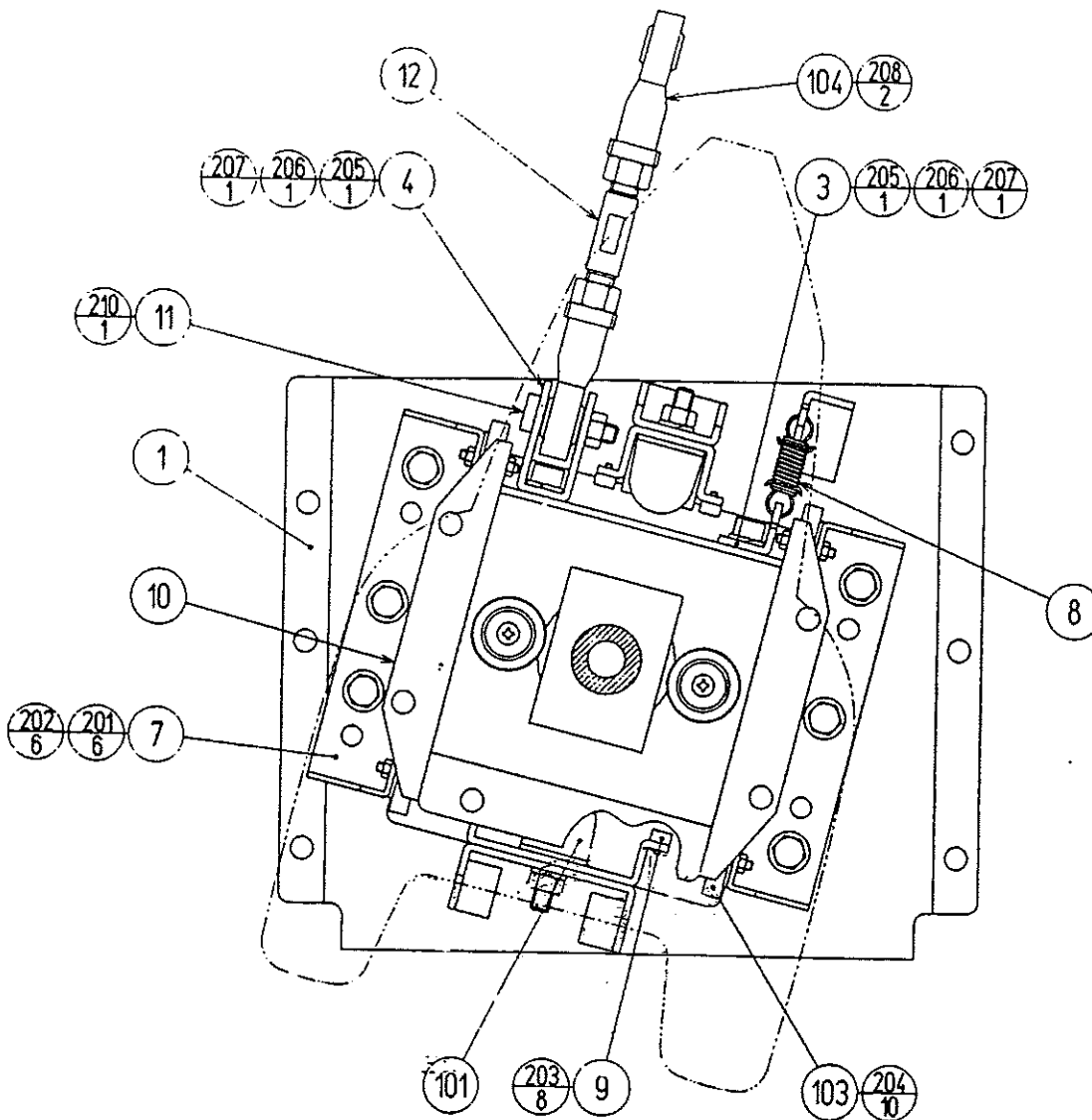
101	130-5097	SPEAKER BOX SUPER WOOFER		1
102	280-C00000-WX	CABLE TIE BASE WOOD XL	REAR OF CABINET, UNDER (20)	24
103	280-A02064-WX	ROUTER TWIST D20 SO6.4 WOOD X		15
104	280-A01264-WX	ROUTER TWIST D12 SO6.4 WOOD X		10
105	OS1223	EDGE TRIM (COMP SELF GRIP)	(24)-1.2	1.2
106	601-0460	CABLE TIE 100mm		24
107	OS1098	CRIMP BELL END SMALL	(308) TO (101)	2
201	000-T00425-OB	M4X25 MSCR POSI TH BNP	(2,3)-5,(10)-4,(20)-8	22
202	000-T00425-OC	M4X25 MSCR POSI TH CRM	(7)-4,(15)-4	8
203	FX0426	M8X40 BLT BZP	(8)-10	10
204	FX0298	M8X25 BLT BZP	(8)-2	2
205	FX0257	M8 WSHR FORM C FLT BZP	(8)-12	12
206	FX0261	M8 WSHR SPR BZP	(8)-12	12
207	000-T00412-OC	M4X12 MSCR POSI TH CRM	(16)-7	7
208	000-P00425-W	M4X25 MSCR POSI PAN W/FS PAS	(19,21,23,4,5,6)-2,(15)-2	14
209	FX0301	M4 WSHR 16OD FLT BZP	(4,5,6,15)-2	8
210	FS1008	N6X1/2" S/TAP POSI FLG BNP	(9)-4,(101)-2,(24)-4	10
211	000-P00408-W	M4X8 MSCR POSI PAN W/FS PAS	(25)-5	5
212	000-T00416-OB	M4X16 MSCR POSI TH BNP	(16)-5	5
301	600-7118-012UK	WIRE HARN EXT CNTL FAN B		1
302	600-7118-017UK	WIRE HARN EXT CLUTCH		1
303	600-7118-018UK	WIRE HARN EXT MOTOR		1
305	600-7118-045UK	WIRE HARN SPKR EXT CABI		1
306	600-7118-046UK	WIRE HARN BILL BD PWR EXT		1
308	600-6911-023	WIRE HARN WOOFER		1
309	600-9015-44U	W/HARN EARTH 150mm 16AWG	(20)-(23),(7)-NUT PLATE	2
310	600-9045-44U	W/HARN EARTH 450mm M4/M4 16AWG	NUT PLATE TO EARTH STRIP	1
311	600-9070-44U	W/HARN EARTH 700mm M4/M4 16AWG	EARTH STRIP TO WIRE COVER ROOF	1
312	600-9160-44U	W/HARN EARTH 1600mm M4/M416AWG	NUT PLATE TO CONTROL PANEL	1

### 7.3. ASSY SHIELD CASE (OCN-0150)



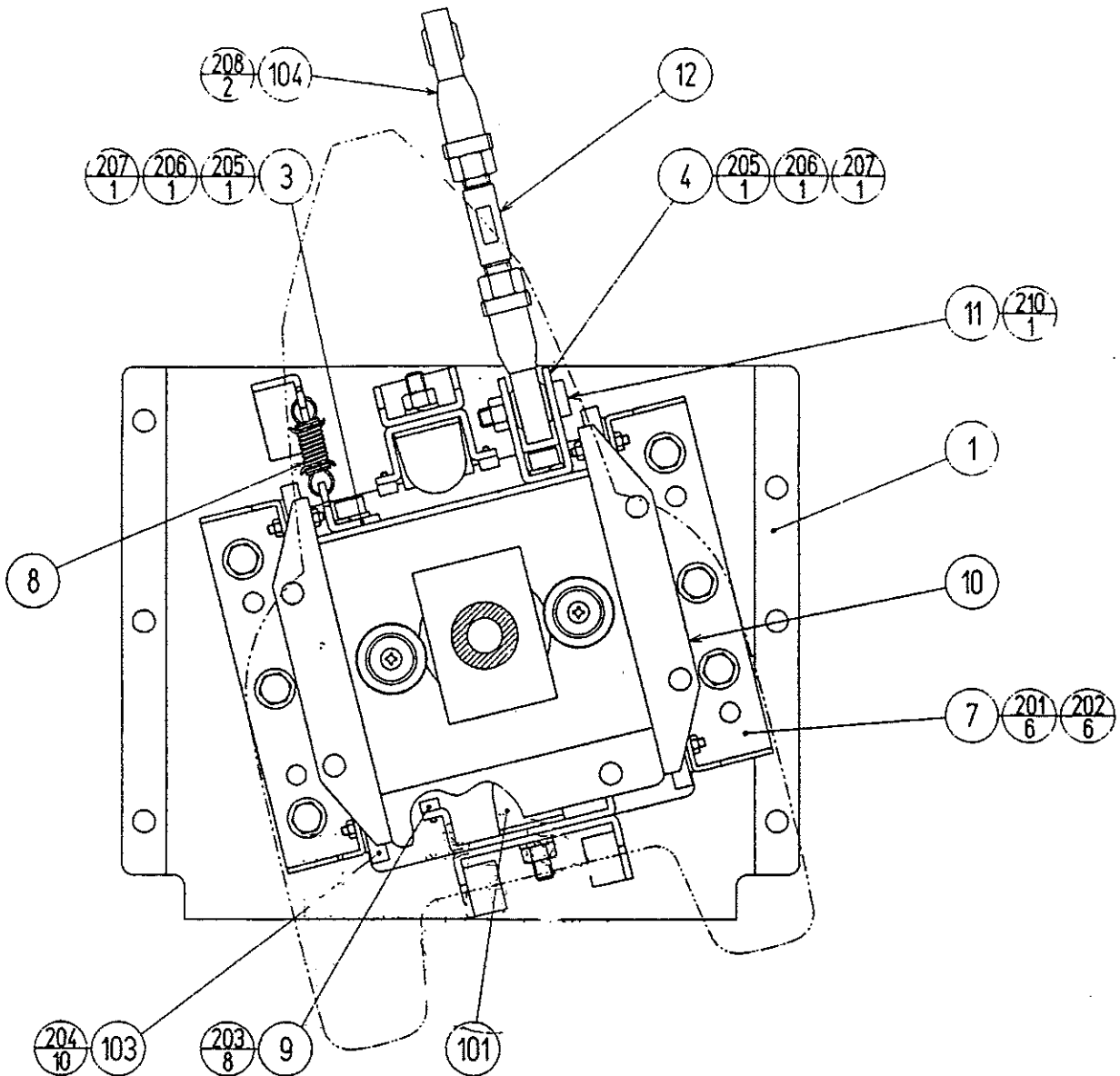
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	610-0489	ASSY SHIELD CASE FOR 837-13386		1
2	834-13572	ROM BD OCN		1
3	421-833-13571	STICKER 833-13571	ON ROM BD	1
4	421-OCN-0150	STICKER OCN-0150	ON SH. CASE LID FRONT LIP	1
5	421-833-OCN	STICKER 833-13571-OCN	ON SH. CASE LID FRONT LIP	1
6	837-13576-COM	PFSB SECURITY BD COM		1
205	000-P00325-W	M3X25 MSCR POSI PAN W/FS PAS	(6)-4	4
206	FX0209	M3 NUT BZP	(6)-4	4
207	FX0238	M3 WSHR FORM A FLT NYLON	(6)-4	4

#### 7.4. ASSY CONTROL MECHA L (OCN-2050)



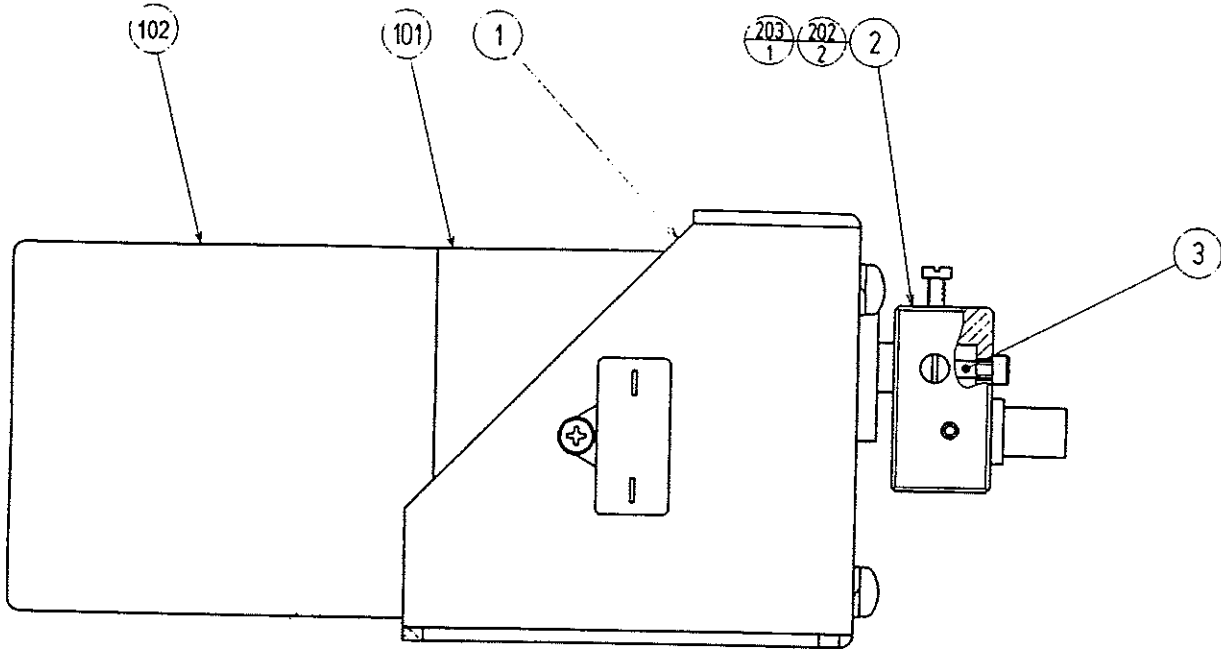
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2051	CONTROLLER BASE L		1
3	OCN-2053	SPRING HOOK L		1
4	OCN-2054	LINK BRKT L		1
7	OCN-2057	SLIDE RAIL BRKT		2
8	OCN-2058	EXT SPRING		1
9	OCN-2059	RUBBER PLATE		4
10	OCN-2500	ASSY CONTROLLER		1
101	601-8541	STOPPER RI-30		2
103	100-5169	SLIDE RAIL		2
201	030-000820-S	M8X20 BLT W/S PAS	(7)-6	6
202	FX0365	M8 WSHR FORM A FLT BZP	(7)-6	6
203	FX0073	M3X8 MSCR POSI CSK BZP	(9)-8	8
204	FX0008	M4 NUT NLK BZP	(103)-10	10
205	020-000820-OZ	M8X20 CAP SCR SKT BNP	(3)-1,(4)-1	2
206	030-000812-S	M8X12 SET W/S PAS	(3)-1,(4)-1	2
207	FS1019	M8 WSHR SPR BNP	(3)-1,(4)-1	2

### 7.5. ASSY CONTROL MECHA R (OCN-2070)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2071	CONTROLLER BASE R		1
3	OCN-2073	SPRING HOOK R		1
4	OCN-2074	LINK BRKT R		1
7	OCN-2057	SLIDE RAIL BRKT		2
8	OCN-2058	EXT SPRING		1
9	OCN-2059	RUBBER PLATE		4
10	OCN-2500	ASSY CONTROLLER		1
101	601-8541	STOPPER RI-30		2
103	100-5169	SLIDE RAIL		2
201	030-000820-S	M8X20 BLT W/S PAS	(7)-6	6
202	FX0365	M8 WSHR FORM A FLT BZP	(7)-6	6
203	FX0073	M3X8 MSCR POSI CSK BZP	(9)-8	8
204	FX0008	M4 NUT NLK BZP	(103)-10	10
205	020-000820-OZ	M8X20 CAP SCR SKT BNP	(3)-1,(4)-1	2
206	030-000812-S	M8X12 SET W/S PAS	(3)-1,(4)-1	2
207	FS1019	M8 WSHR SPR BNP	(3)-1,(4)-1	2

### 7.6. ASSY CLUTCH MOTOR UK (OCN-2100UK)

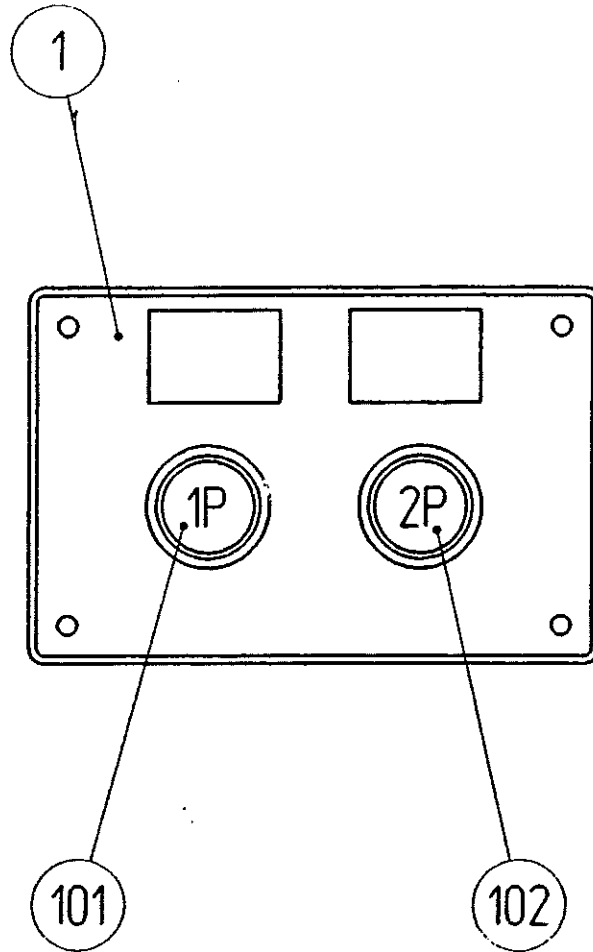


D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2101	MOTOR BRKT		1
2	OCN-2102	CAM		1
3	OCN-2103	KEY 4X4X20		1
101	350-5562-01A	GEARED MOTOR-CLUTCH GEARBOX		1
102	350-5562-01UK	ASSY GEARED MOTOR CLUTCH UNIT		1
201	000-P00410-W	M4X10 MSCR POSI PAN W/FS	FOR CONDENSER	1
202	FX0336	M4X16 GSCR SKT CC BNP	(2)-2	2
203	020-000412-OZ	M4X12 MSCR SKT CAP BNP	(2)-1	1
204	000-P00650-S	M6X50 MSCR POSI PAN W/S PAS	(101)-4	4
205	068-441616-OB	M4 WSHR 16OD FLT BNP	(2)-1	1
206	FX0404	M4 WSHR SPR BNP	(2)-1	1

### 7.7. ASSY GEARED MOTOR CLUTCH UNIT (350-5562-01UK)

D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
101	350-5562-01	GEARED MOTOR-CLUTCH UNIT		1
301	211-5358	CONN AMP U/P PIN 20-16AWG		5
302	211-5362-02	CONN AMP U/P 2 WAY CAP		1
303	211-5362-06	CONN AMP U/P 6 WAY CAP		1

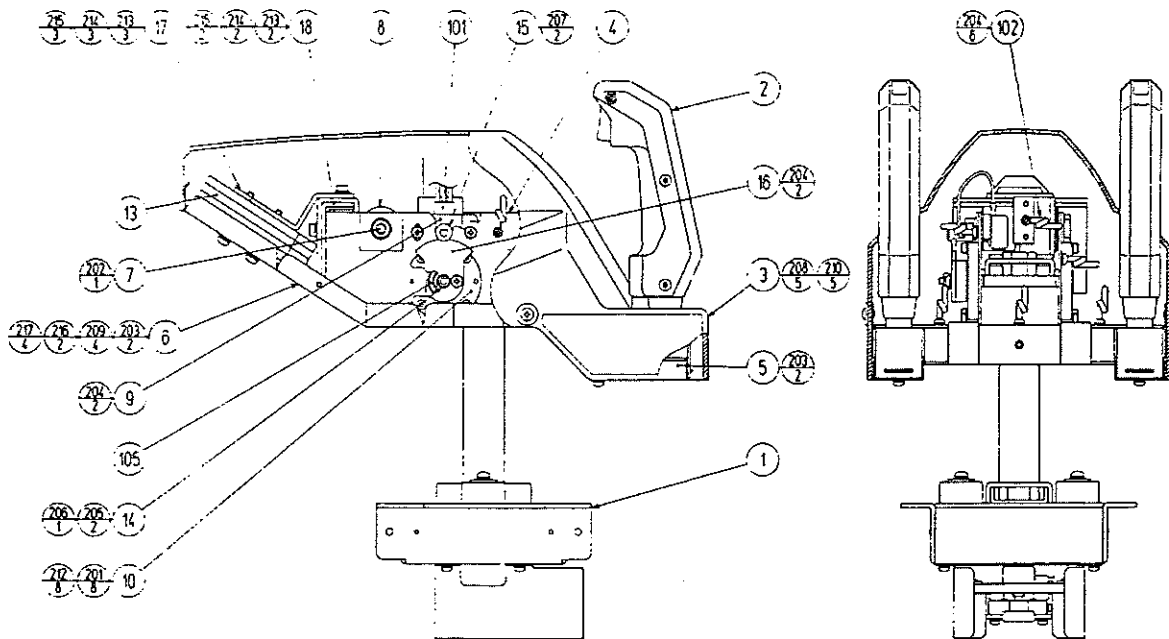
7.8. ASSY START SWITCH (OCN-2200UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2201	START SW PLATE		1
101	509-5610-04YE	SW PB 30M YELLOW W/L 1P 5V 3W		1
102	509-5610-05YE	SW PB 30M YELLOW W/L 2P 5V 3W		1
301	600-7117-050UK	WIRE HARN START SW		1



## 7.9. ASSY CONTROLLER (OCN-2500)

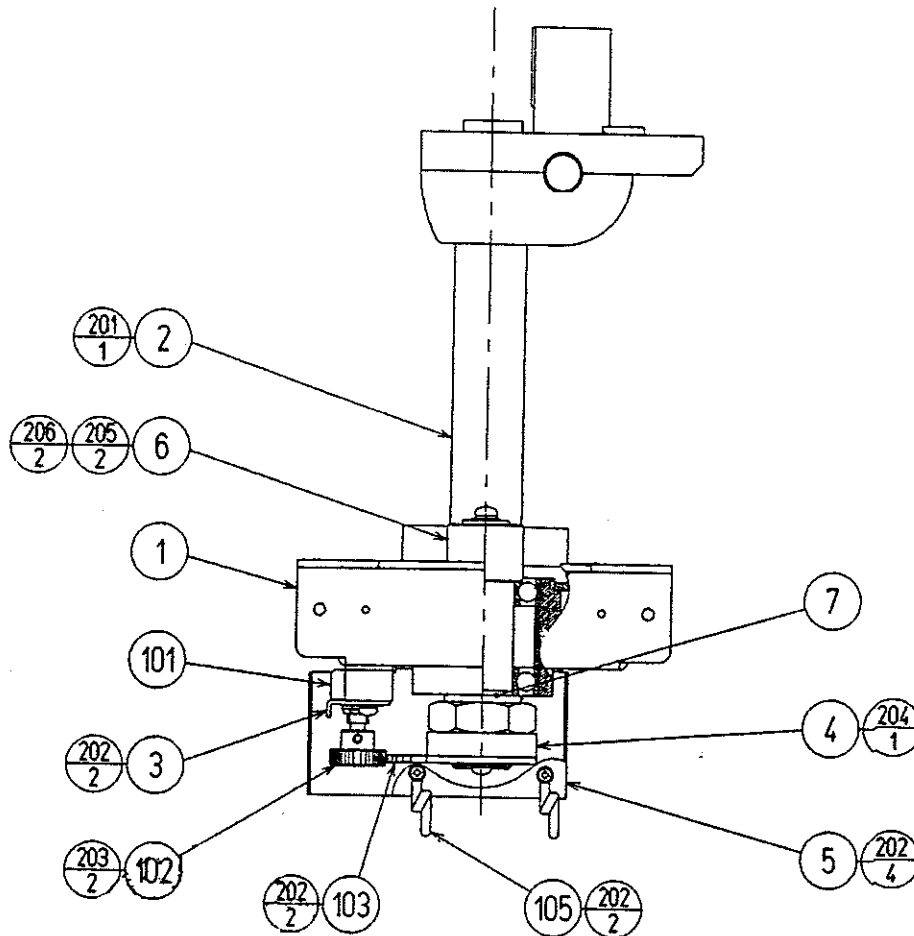


D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2550	ASSY SWING BASE		1
2	OCN-2600	ASSY GRIP		2
3	OCN-2001	CONTROLLER COVER		1
4	OCN-2501	PITCH BASE		1
5	OCN-2502	GRIP LID		2
6	OCN-2503	LOWER COVER		1
7	OCN-2504	STOPPER SHAFT		1
8	OCN-2505	STOPPER RUBBER		1
9	OCN-2506	VR BRKT PITCH		1
10	OCN-2507	HOUSING		2
13	OCN-2510	WEIGHT LOWER		1
14	TTR-2009	GEAR HOLDER 80		1
15	601-7944	GEAR 15		1
16	601-6055	ADJUST GEAR		1
17	OCN-2511	WEIGHT BRKT UPPER		1
18	OCN-2512	WEIGHT BRKT LOWER		1
101	220-5484	VOL CONT B-5K OHM		1
102	280-0419	HARNESS LUG		7
103	601-0460	PLASTIC TIE BELT		1
104	310-5029-D20	SUMITUBE F D20 MM		3
105	100-5329	BEARING 15 (6802ZZ)		2

(CONTINUED...)

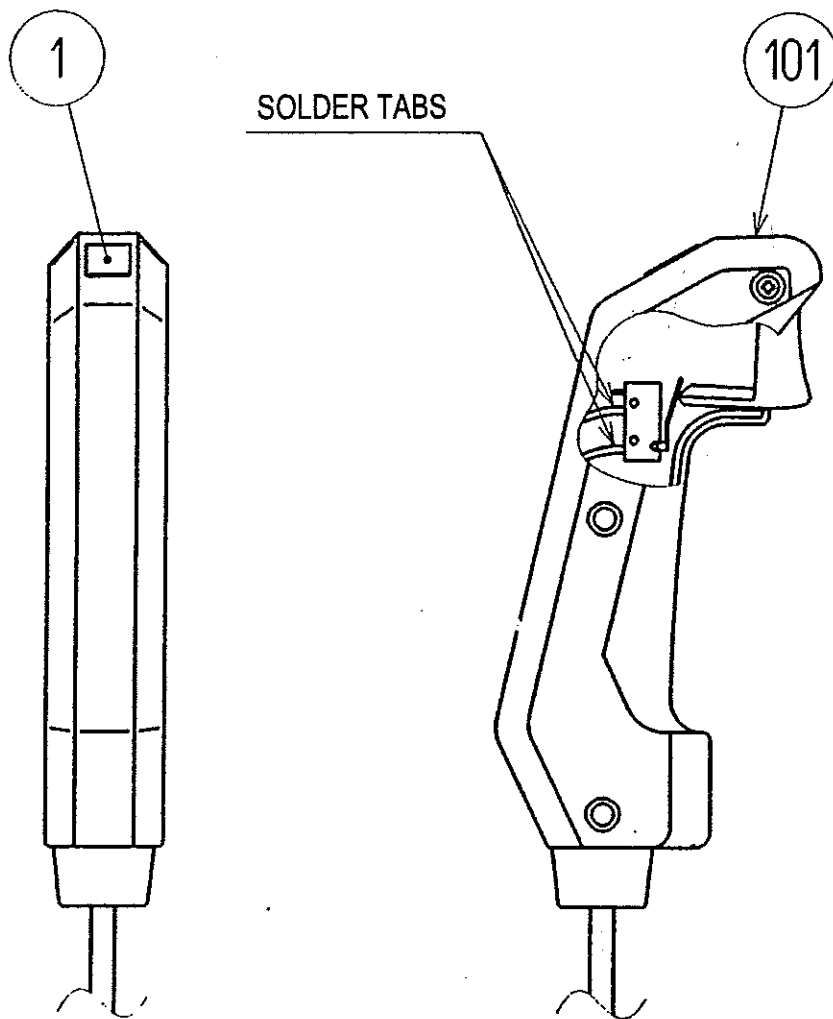
201	020-000412-OZ	HEX SKT H CAP SCR BLK OZ M4X12	8
202	050-U00800	U NUT M8	1
203	P00410-WB	MSCR PH BLK W/FS M4X10	4
204	P00408-W	MSCR PH W/FS M4X8	13
205	A00408-P	SET SCR HEX SCK CUP P M4X8	2
206	050-U00500	U NUT M5	1
207	028-A00304-P	SET SCR HEX SCK CUP P M4X4	2
208	000-T00408-OC	MSCR TH CRM M4X8	5
209	050-U00400	U NUT M4	4
210	068-441616-OC	FLT WSHR CRM 4.4-16X1.6	5
212	060-S00400-OB	SPR WSHR BLK M4	8
213	020-000520-OZ	HEX SKT H CAP SCR BLK OZ M5X20	5
214	060-S00500-OB	SPR WSHR BLK M5	5
215	060-F00500-OB	FLT WSHR BLK M5	5
216	000-P00540-WB	MSCR PH W/FS BLK M5X40	2
217	060-F00400	FLT WSHR M4	4
218	060-F00800	FLT WSHR M8	1
301	600-7117-051	WIRE HARN EXT SHOT L	1
302	600-7117-052	WIRE HARN EXT SHOT R	1
303	600-7117-054	WIRE HARN VOL Y	1
304	600-6972-0100	WIRE HARN EARTH ID5 100MM	1
305	600-6972-0480	WIRE HARN EARTH ID5 480MM	1

### 7.10. ASSY SWING BASE (OCN-2550)



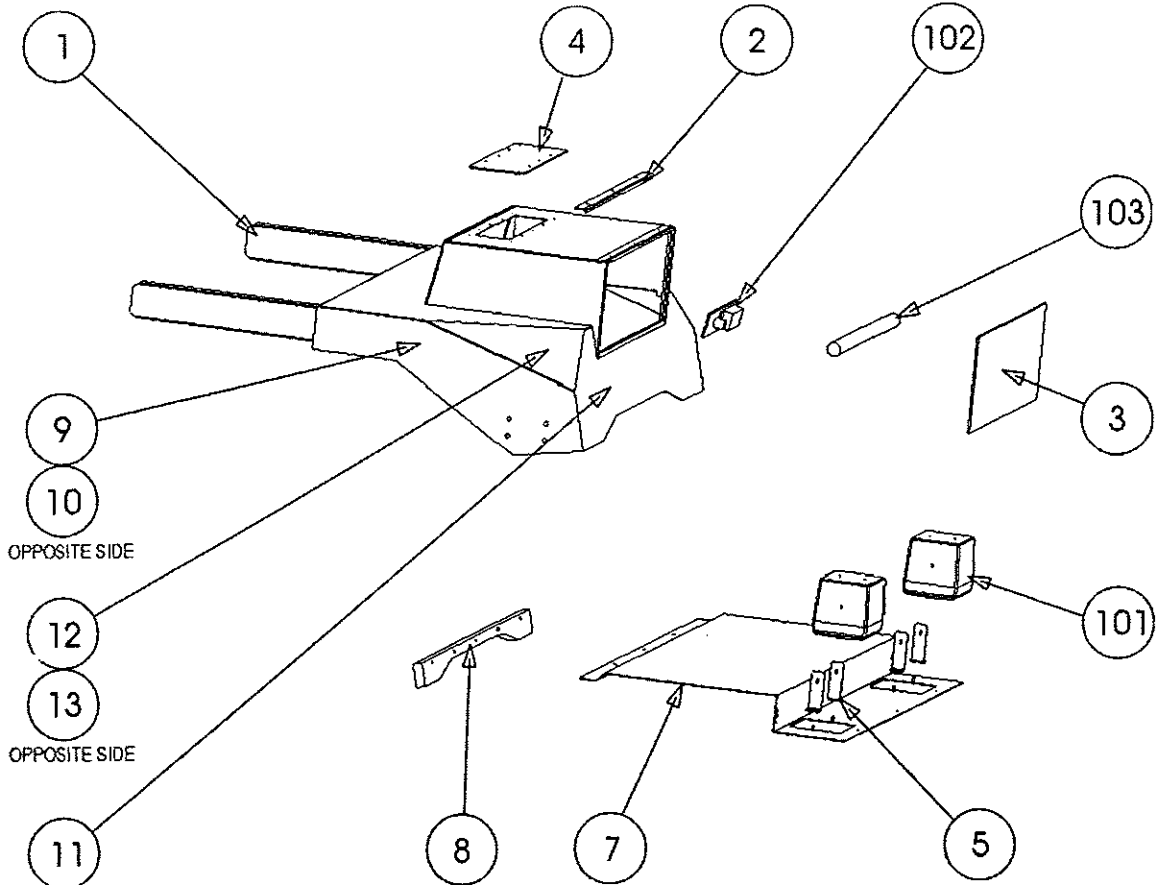
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2551X	SWING BASE		1
2	OCN-2552	SWAING SHAFT		1
3	OCN-2553	VR BRKT SWING		1
4	OCN-2554	GEAR HOLDER		1
5	OCN-2555	STAND BRKT		1
6	OCN-2556	BOTTOM STOPPER		2
7	OCN-2557	COLLAR		1
101	220-5484	VOL CONT B-5K OHM		1
102	601-6555	GEAR Z=30 M=0.75		1
103	601-6450	GEAR 110		1
104	310-5029-D20	SUMITUBE F D20 MM		3
105	280-0419	HARNESS LUG		2
201	FAS-500022	HEX NUT P1.5 #3 M22		1
202	000-P00410-W	MSCR PH W/FS M4X10		10
203	028-A00404-P	SET SCR HEX SKT CUP P M4X4		2
204	000-P00316-W	MSCR PH W/FS M3X16		1
205	000-P00512-W	MSCR PH W/FS M5X12		2
206	068-552016-OC	FLT WSHR CRM 5.5-20X1.6		2
301	600-7117-053	WIRE HARN VOL X		1

7.11. ASSY GRIP (OCN-2600)



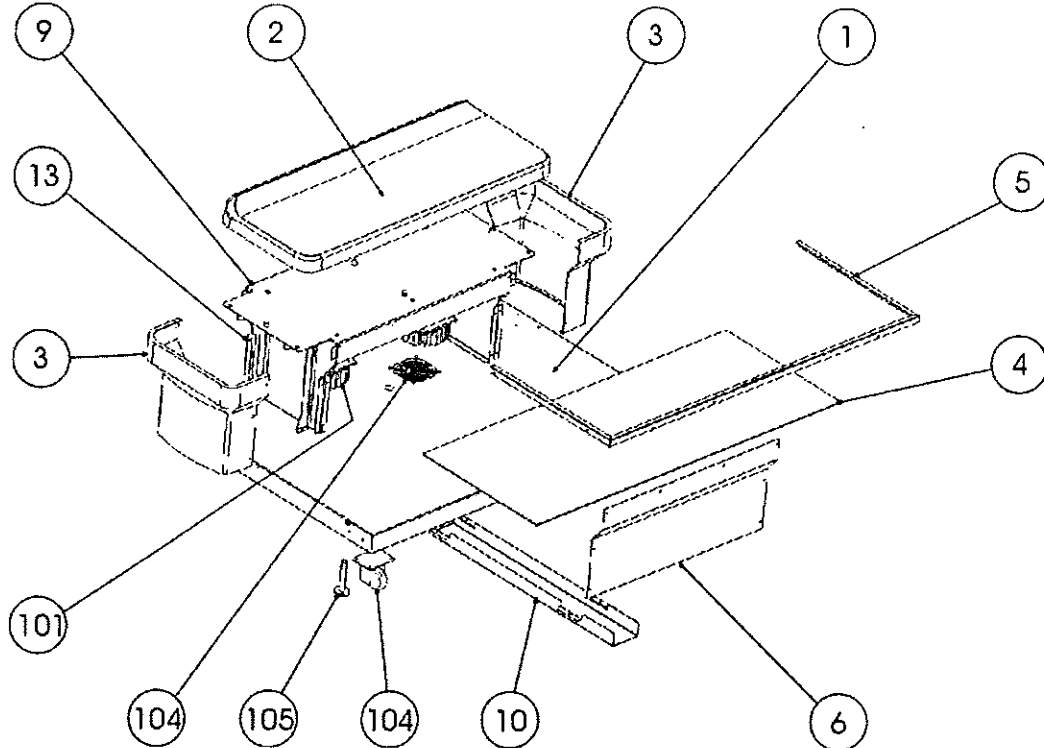
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2601	THUMB LID		1
101	610-0547	ASSY TRIGGER HANDLE W/O THUMB		1
102	310-5029-B20	SUMITUBE F B20 MM		2
301	600-7117-055	WIRE HARN SHOT SW		1

**7.12. ASSY BILLBOARD (OCN-5000UK)**



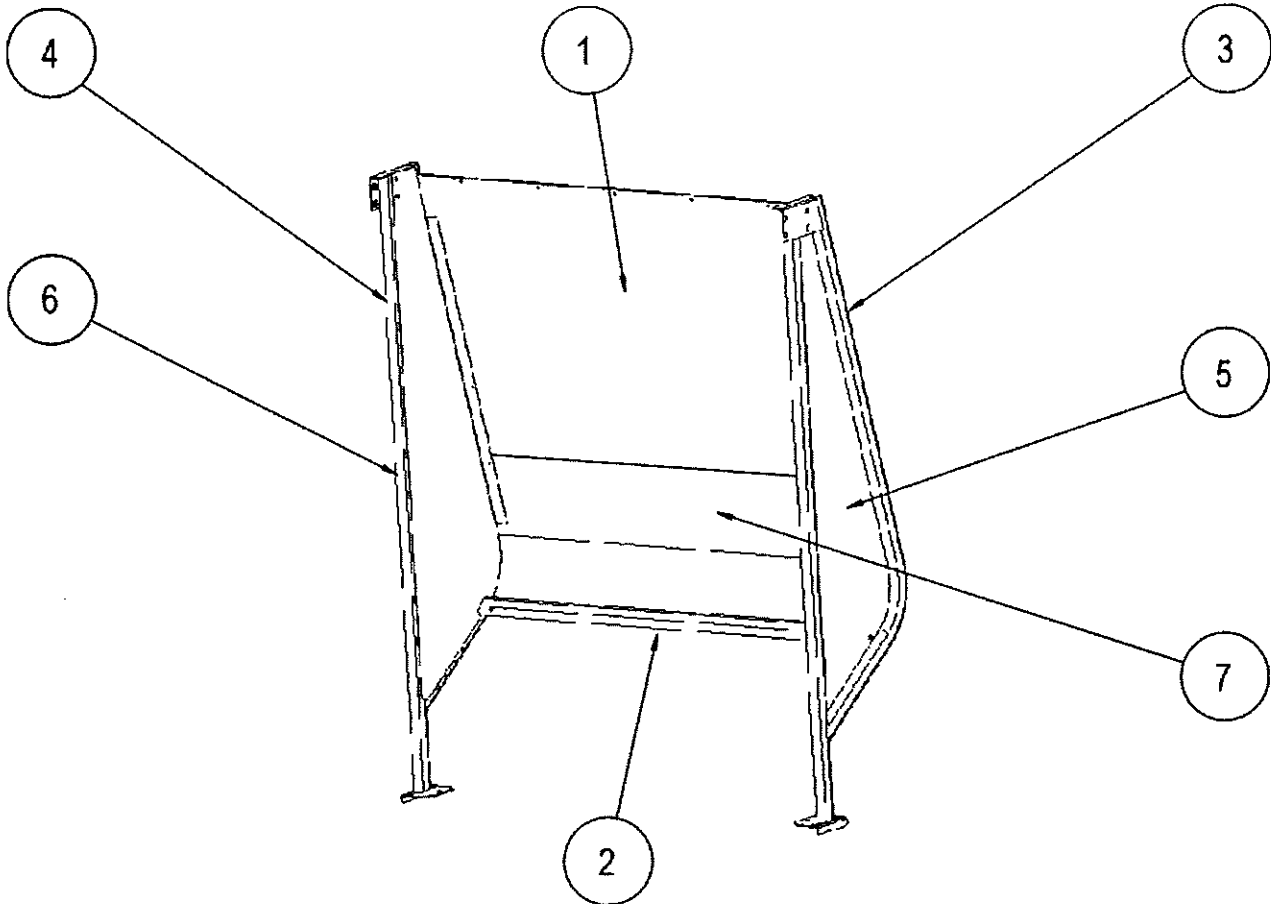
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-5001UK	BILLBOARD BOX		1
2	OCN-5002UK	BILLBOARD SASH		1
3	OCN-5008UK	BILLBOARD PLATE		1
4	OCN-5009UK	UPLIGHTER WINDOW		1
5	OCN-5006UK	SPKR BRKT		4
7	OCN-5005UK	BILLBOARD ROOF		1
8	OCN-5306UK	WINDOW SPACER		1
9	OCN-5001-BUK	STICKER SIDE L		1
10	OCN-5001-CUK	STICKER SIDE R		1
11	OCN-5001-DUK	STICKER BACK		1
12	OCN-5001-EUK	STICKER QUAD L		1
13	OCN-5001-FUK	STICKER QUAD R		1
101	130-5096	ASSY SERVO SPEAKER BOX		2
102	390-5695-20-CUK	FL TRAY 110V 20W (T12)		1
103	390-5695-20-DUK	FL TUBE 20W 600L 1.25"DIA		1
104	280-A00740-PS	ROUTER TWIST D7 SO4.0 PANEL S		7
105	280-A00500-A	ROUTER TWIST D5 ADH		8
201	000-T00412-OB	M4X12 MSCR POSI TH BNP	(2)-3,(4)-10	13
202	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(101)-4	4
203	050-F00400	M4 NUT FLG	(5)-4,(8)-5,(102,103)-2,EARTH1	14
204	FX0301	M4 WSHR 160D FLT BZP	(102)-2,(8)-5	7
205	FX0009	M4 WSHR FORM A FLT BZP	(103)-4	4
301	600-7118-063UK	WIRE HARN FL		1
302	600-7118-064UK	WIRE HARN SPKR INT		1

### 7.13. ASSY SEAT CABI (OCN-5100UK)



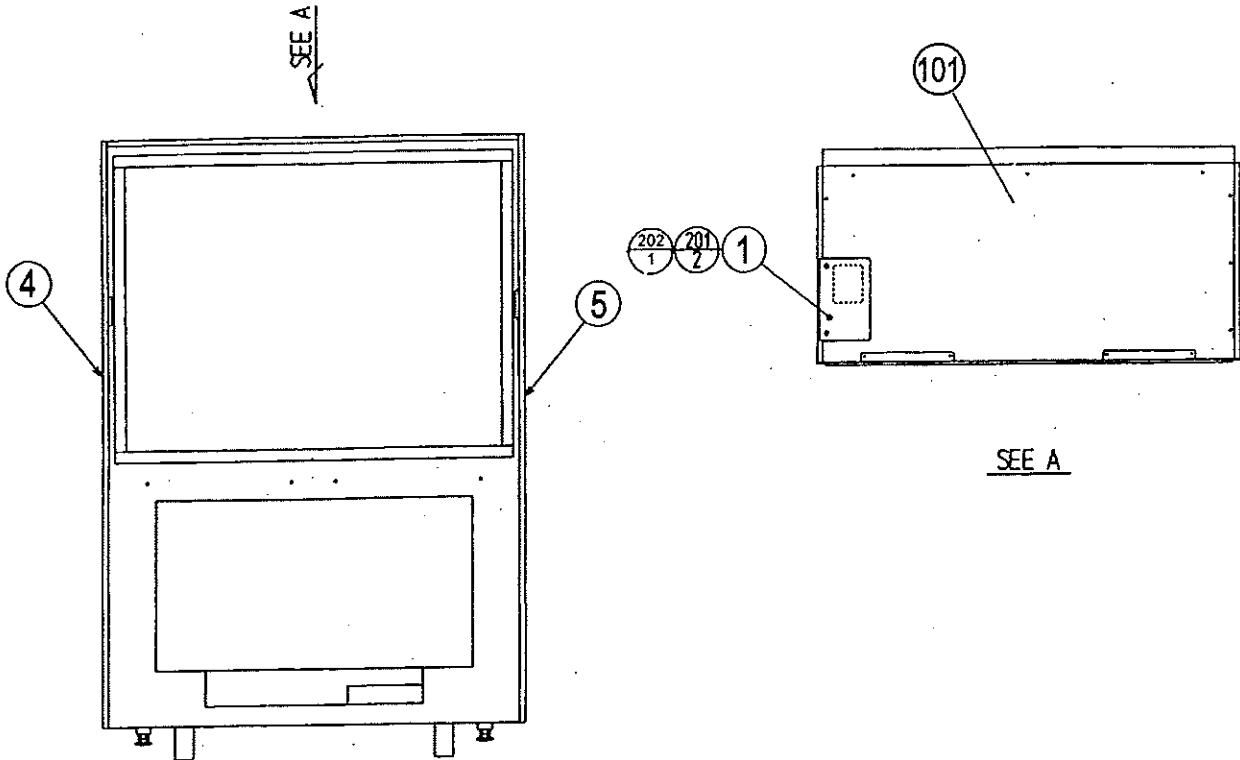
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-5101UK	SEAT BASE		1
2	OCN-3002	SEAT		1
3	MGL-3003-A	SEAT SIDE COVER BLANK		2
4	OCN-5102UK	FLOOR MAT		1
5	OCN-5103UK	MAT TRIM		1
6	MGL-3007	SPEAKER LID		1
7	OCN-3003-A	STICKER SEAT SIDE L		1
8	OCN-3004-A	STICKER SEAT SIDE R		1
9	OCN-3001-C	STICKER SEAT LOWER		1
10	OCN-5104UK	WIRE COVER		1
11	PK0174	PALLET SEAT CABI OCN SDX		1
12	PK0175	SLEEVE SEAT CABI OCN SDX		1
101	130-5172	BASS SHAKER		2
103	FN1012	MESH GUARD METAL 120mm FAN		2
104	MA1019	CASTER 75		4
105	601-6063	LEG ADJUSTER M12 D50		4
106	280-A00500-A	ROUTER TWIST D5 ADH		6
201	000-P00618	M6X18 MSCR POSI PAN	(2)-6	6
202	FX0207	M12 NUT BZP	(105)-4	4
203	000-T00412-OC	M4X12 MSCR POSI TH CRM	(3)-12,(6)-8,(5)-4	24
204	FX0252	M6 WSHR 19OD FLT BZP	(2)-6	6
205	FX0073	M3X8 MSCR POSI CSK BZP	(5)-8	8
206	000-P00412-W	M4X12 MSCR POSI PAN W/FS PAS	(10)-4,(103)-4	8
207	FX0008	M4 NUT NLK BZP	(101)-4	4
208	FX0009	M4 WSHR FORM A FLT BZP	(101)-4,(102)-4	8
210	FX0190	M6X20 SET BZP	(104)-16	16
211	FX0248	M6 WSHR FORM A FLT BZP	(104)-16	16
212	FX0255	M6 WSHR SPR BZP	(104)-16	16
213	050-F00400	M4 NUT FLG	EARTH-1	1
301	600-7118-065UK	WIRE HARN SEAT		1

7.14. ASSY REAR FRAME (OCN-5200UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-5303UK	REAR WINDOW		1
2	OCN-5305UK	LOWER TUBE		1
3	OCN-5301UK	FRAME L		1
4	OCN-5351UK	FRAME R		1
5	OCN-5311UK	STICKER FRAME L		1
6	OCN-5312UK	STICKER FRAME R		1
7	OCN-5304UK	STICKER WINDOW BACK	(1)-1 BOTTOM	1
201	050-C00400-3B	M4 NUT DOME BNP	(1)-8 SIDES ONLY	8
202	030-000816-SB	M8X16 BLT W/S BNP	(2)-2	2
203	000-T00416-OB	M4X16 MSCR POSI TH BNP	(1)-13	13
204	FS1014	M8 WSHR FORM C FLT BNP	(2)-2	2

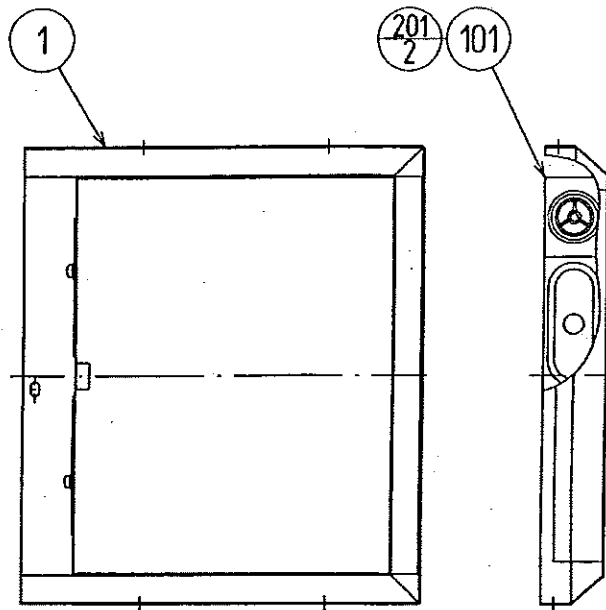
7.15. ASSY PTV (OCN-6000UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	JPT-1102UK	CONN LID PTV		1
2	PK0117	PALLET PTV TOSH ZMB		1
3	PK0171	PTV SLEEVE OCN SDX		1
4	OCN-6002UK	STICKER SIDE L		1
5	OCN-6003UK	STICKER SIDE R		1
101	200-5530-03	PROJECTION DISPLAY 50 T 31K		1
201	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(1)-2	2
202	FX0165	N8X1/2" S/TAP POSI FLG BNP	(1)-1	1

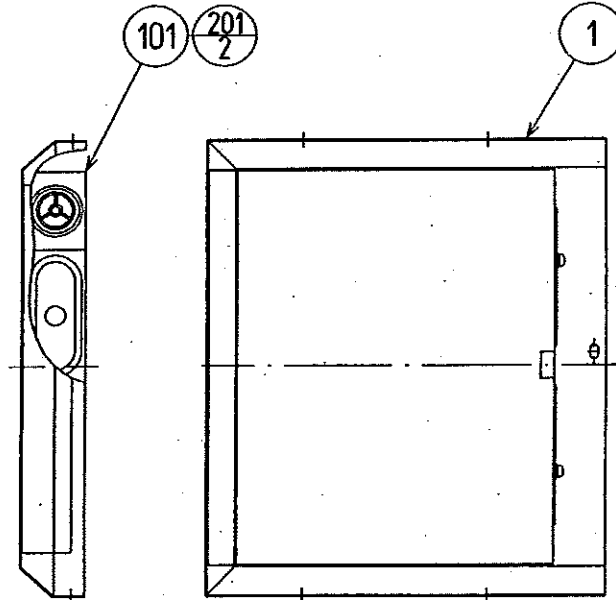


**7.16. ASSY SPEAKER FL (OCN-7100UK)**



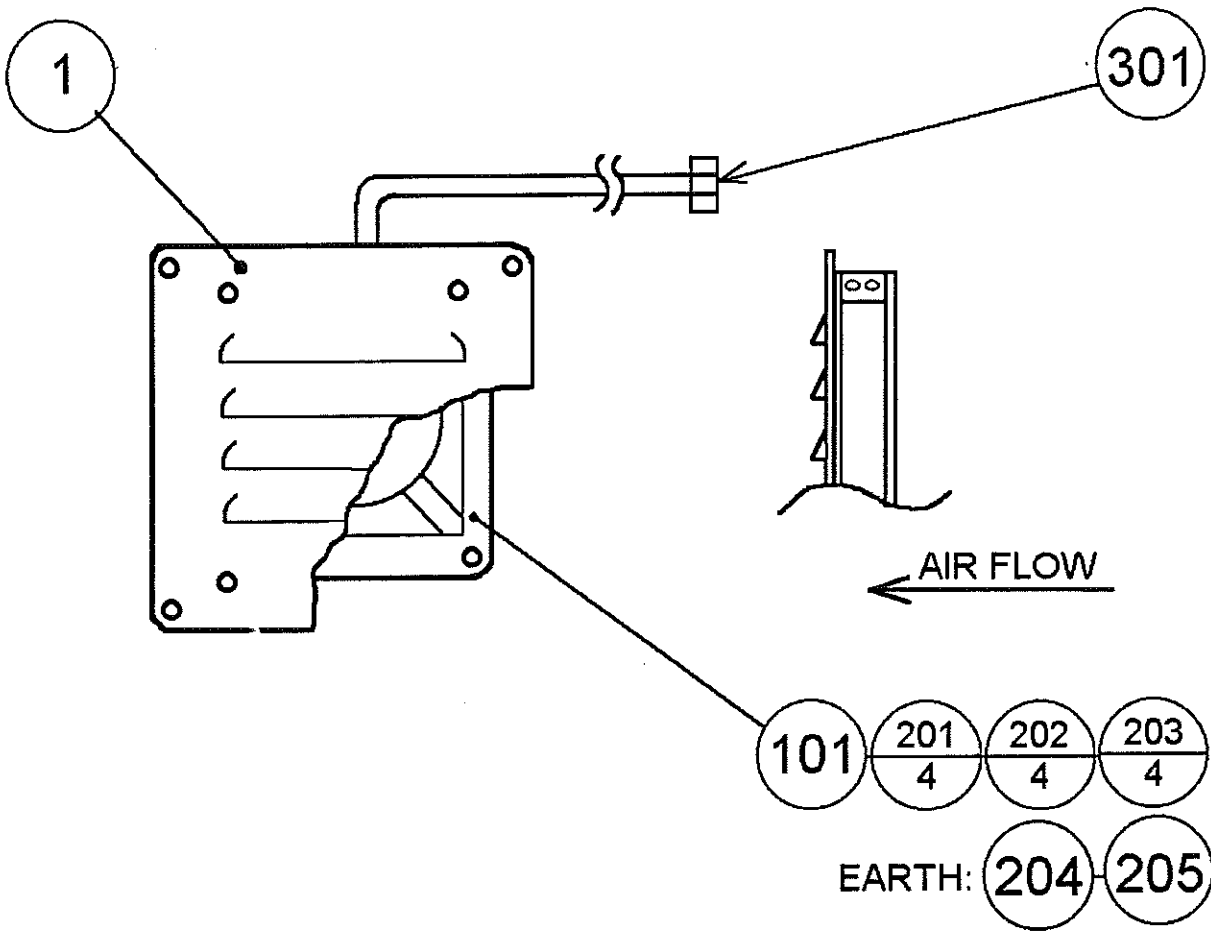
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	JPT-1071UK	SPEAKER COVER F UK		1
101	130-5156	SPEAKER BOX 8 OHM 20W		1
201	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(101)-2	2

**7.17. ASSY SPEAKER FR (OCN-7200UK)**



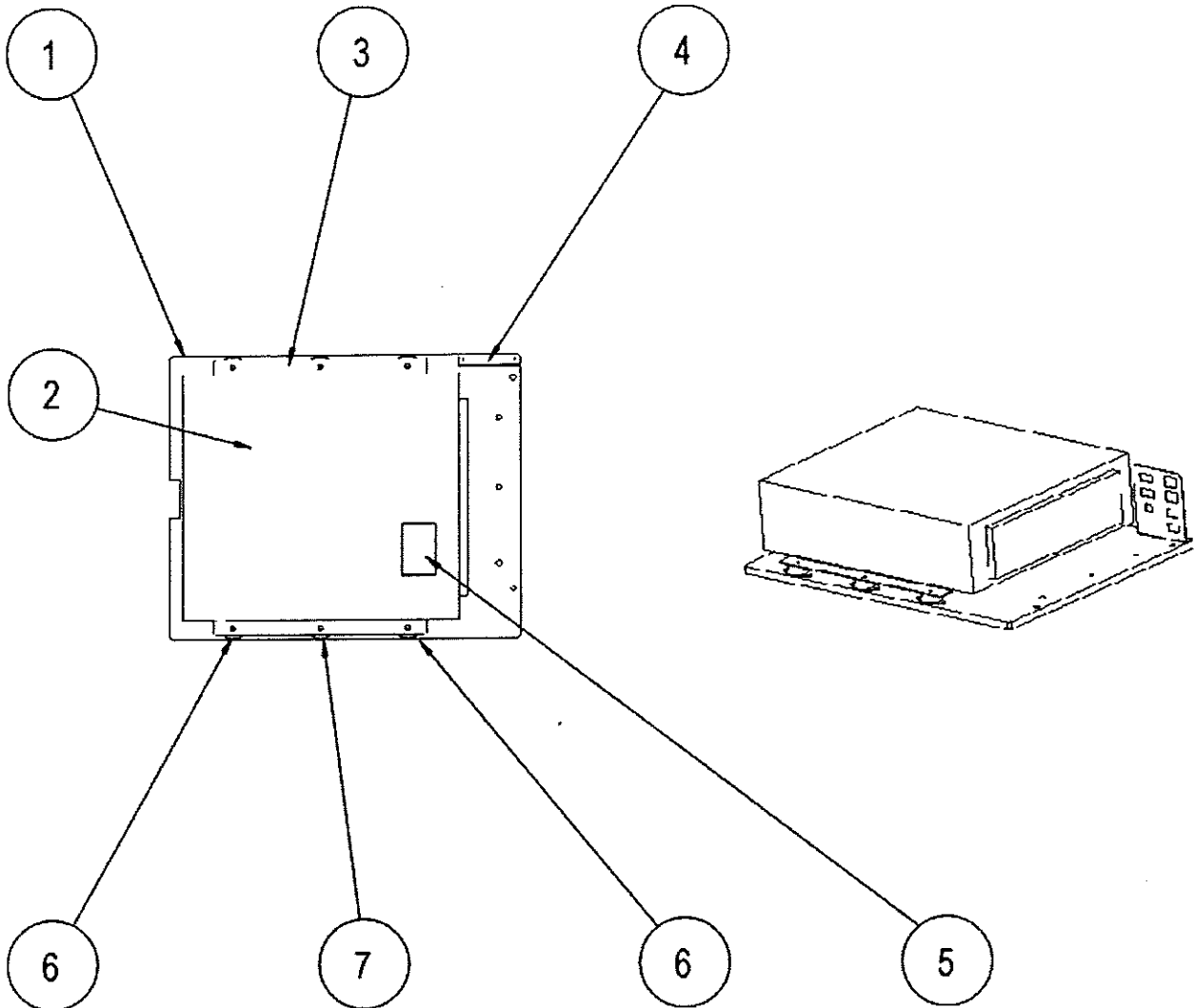
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	JPT-1071UK	SPEAKER COVER F UK		1
101	130-5156	SPEAKER BOX 8 OHM 20W		1
201	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(101)-2	2

7.18. ASSY AIR VENT BLACK (OCN-7300UK)



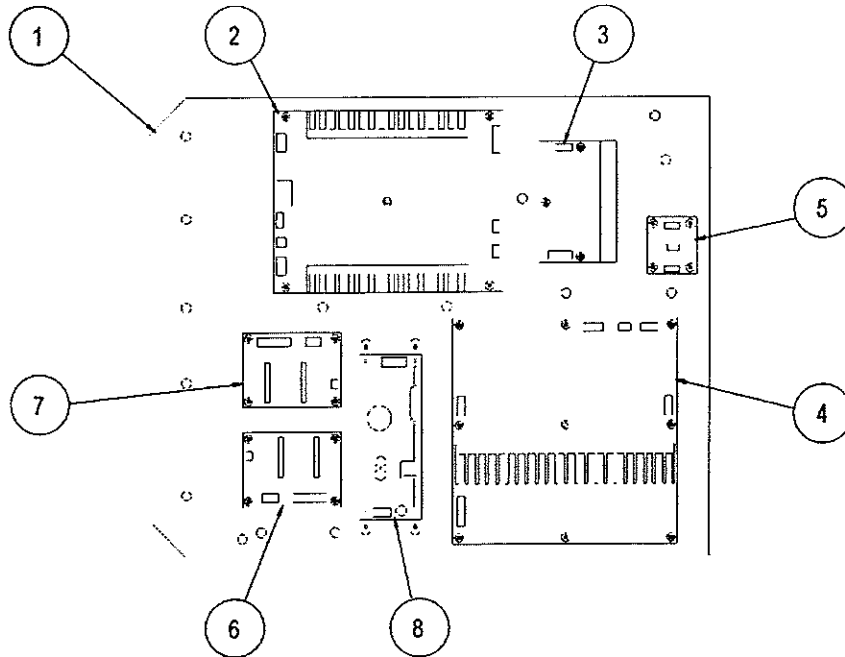
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	105-5239-04UK	AIR VENT BLACK		1
101	260-0011-02	AXIAL FLOW FAN AC100V 50-60Hz		1
201	FX0448	N10X1/2" S/TAP HEX B BZP	(101)-4DO NOT USE SHARP POINT	4
202	FX0245	M5 WSHR FORM A FLT BZP	(101)_4	4
203	FX0446	M5 WSHR FAN TOOTH CSK BZP	BETWEEN FAN AND GRILL	4
204	FX0037	M4X12 MSCR POSI PAN BZP	EARTH -1	1
205	FX0449	M4 WSHR FAN TOOTH EXT BZP	EARTH-1	1
301	600-7118-044UK	WIRE HARN CABI FAN		1

7.19. ASSY MAIN BD (OCN-7400UK)



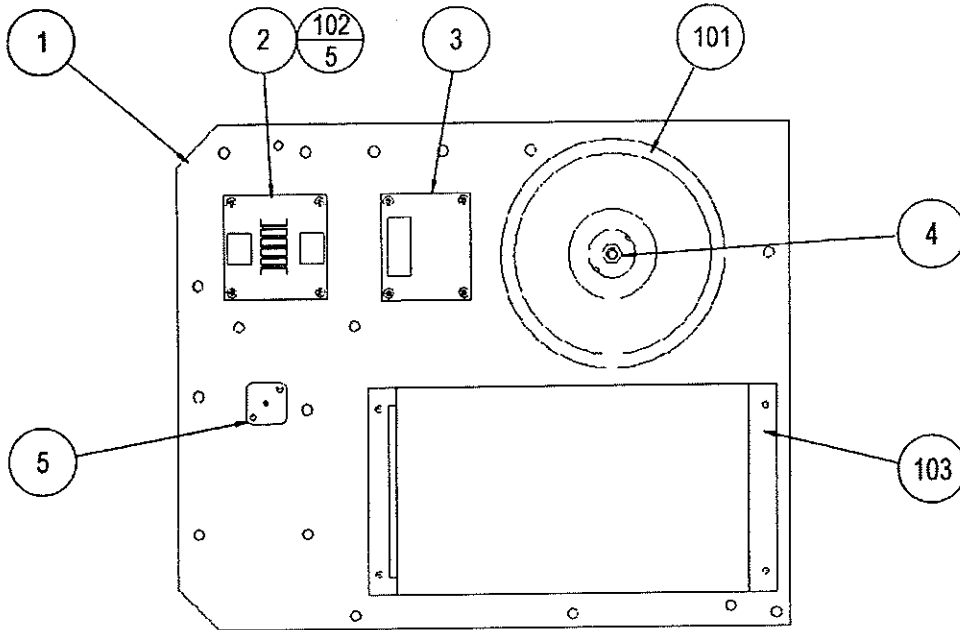
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-7401UK	WOODEN BASE MAIN BD		1
2	OCN-0150	ASSY SHIELD CASE		1
3	OCN-0102	SHIELD CASE BRKT		2
4	OCN-0103UK	CONNECTOR PANEL		1
5	LB1101	STICKER WARNING BATTERY		1
6	601-6848	RUBBER DUMPER		2
7	601-8148	RUBBER DUMPER NR		4
101	280-A02064-WX	ROUTER TWIST D20 SO6.4 WOOD X		5
102	EP1317	FERRITE CORE ROUND CABLE CLAMP	(301)-1	1
103	EP1364	FERRITE CORE ROUND CABLE CLAMP	(302)-1	1
201	000-P00408-W	M4X8 MSCR POSI PAN W/FS PAS	(2)-6,EARTH-1	7
202	000-P00612-W	M6X12 MSCR POSI PAN W/FS	(6)-2,(7)-4	6
204	FX0163	N8X1/2" S/TAP POSI FLG BZP	(4)-2,(6)-4,(7)-8	14
301	600-7117-043UK	WIRE HARN M3 DC IN		1
302	600-7117-044UK	WIRE HARN M3 I/O		1
303	600-7117-045UK	WIRE HARN M3 SOUND OUT		1
304	600-7117-046UK	WIRE HARN M3 ANALOG IN		1
305	600-9160-44U	W/HARN EARTH 1600mm M4/M416AWG	SHIELD CASE TO NUT PLATE	1

## 7.20. ASSY ELEC (OCN-7500UK)



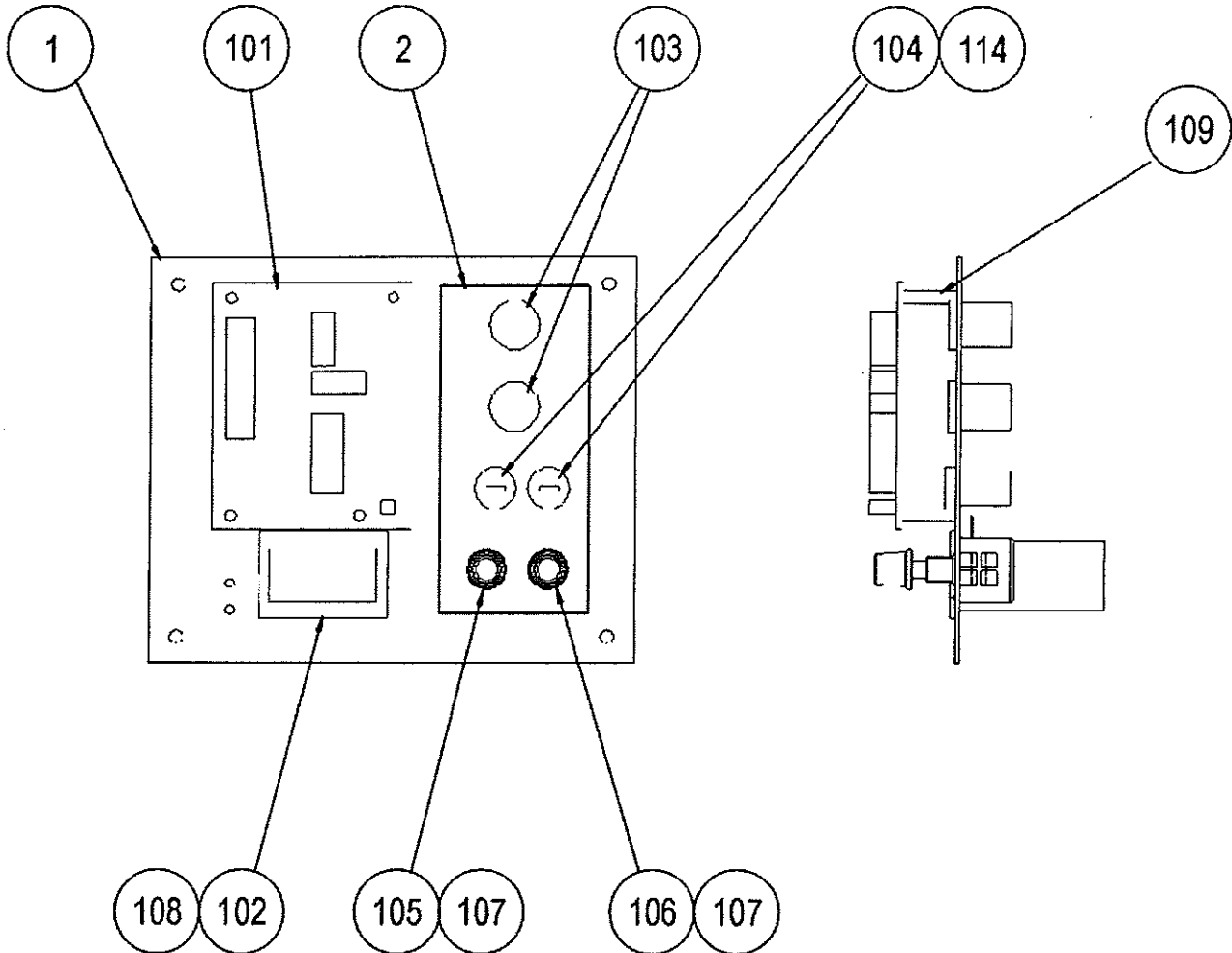
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-7502UK	WOODEN BASE ELEC		1
2	838-13475	PWR AMP 4CH & MIXER		1
3	838-11651	PEC LOWPASS AMP		1
4	838-13142-01	BASS AMP 50WX2		1
5	839-0542	AUDIO MIX BOARD		1
6	839-1073	SSR BD 2 DC 2A		1
7	839-1073-01	SSR BD 2 AC 2A		1
8	400-5368-03024	SW REGU LCA30S-24		1
101	280-A02064-WX	ROUTER TWIST D20 SO6.4 WOOD X		5
102	280-A01264-WX	ROUTER TWIST D12 SO6.4 WOOD X		5
103	280-A00500-WX	ROUTER TWIST D5 WOOD XLAR		5
104	OS1071	FEET P.C.B PKT OF 4	(8)-4	1
105	211-5305	C JMPR SCKT (IMSA-9206H-GF)		6
201	FX0151	N4X1" S/TAP POSI PAN BZP	(2,5,6,7)-4,(3)-3,(4)-8	27
202	FX0156	N6X1/2" S/TAP POSI PAN BZP	(8)-4	4
301	600-7118-008UK	WIRE HARN 100V SSR / SIMPSU		1
302	600-7118-009UK	WIRE HARN 23V BASS AMP		1
303	600-7118-010UK	WIRE HARN 14V 4CH AMP		1
304	600-7118-011UK	WIRE HARN EXT CNTL FAN A		1
305	600-7118-015UK	WIRE HARN 100V MOTOR		1
306	600-7118-016UK	WIRE HARN DC24V FOR CLUTCH		1
307	600-7118-027UK	WIRE HARN DC12V IN SSR		1
308	600-7118-028UK	WIRE HARN SIG IN SSR		1
309	600-7118-032UK	WIRE HARN AUDIO BASS IN		1
310	600-7118-033UK	WIRE HARN AUDIO MIX IN		1
311	600-7118-034UK	WIRE HARN 4 CHNL AMP IN A		1
312	600-7118-035UK	WIE HARN 4 CHNL AMP IN B		1
313	600-7118-036UK	WIRE HARN LOWPASS AMP LINE		1
314	600-7118-037UK	WIRE HARN WOOFER OUT		1
315	600-7118-038UK	WIRE HARN 4 CHNL AMP OUT		1
316	600-7118-040UK	WIRE HARN BASS AMP OUT		1
317	600-7118-042UK	WIRE HARN VOL OUT		1

**7.21. ASSY PWR BD (OCN-7550UK)**



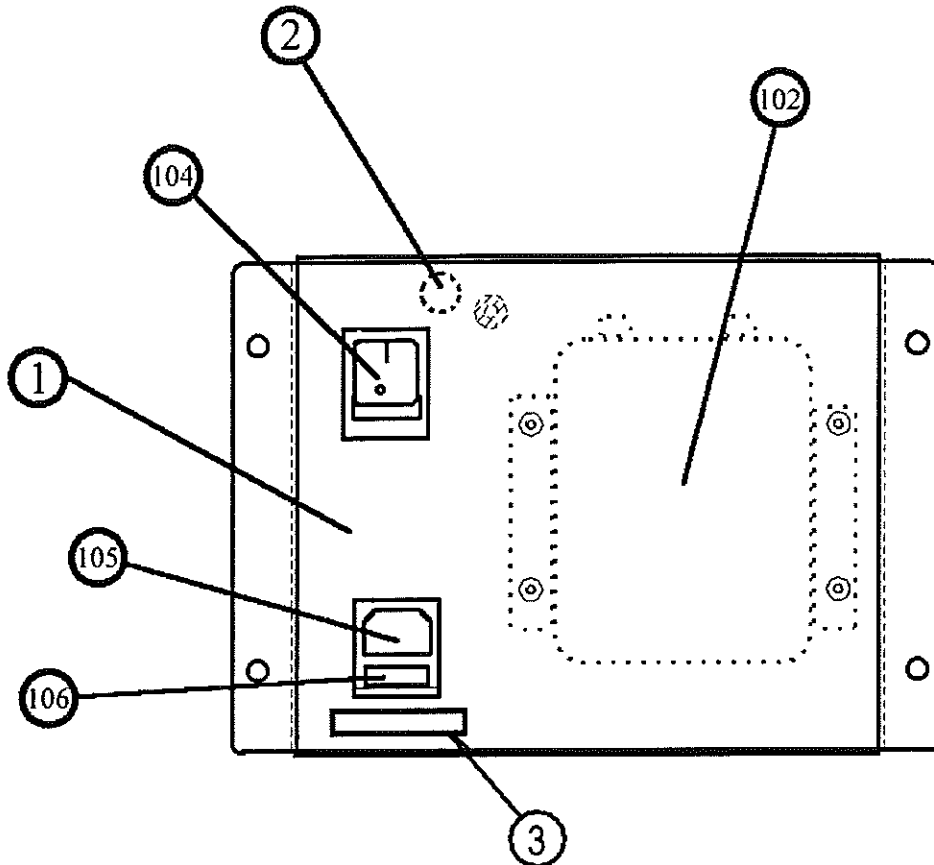
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-7501UK	WOODEN BASE PWR		1
2	838-911860UK	FUSE BOARD		1
3	838-11855CE-01	CONNECT BD W/FUSE & COVER		1
4	OCN-7503UK	M8 STUD PLATE		1
5	TTR-3037UK	EARTH PLATE M4		1
101	560-5404UK	TRANSFORMER OCEAN S/DX		1
102	514-5078-6300	FUSE 5X20 CERAMIC SB 6300mA	F1-F5 INCLUSIVE	5
103	400-5330-03	SW REGU FOR MODEL3		1
104	EP1317	FERRITE CORE ROUND CABLE CLAMP	(311)-1, (312,313)-2 TOGETHER	3
201	FX0151	N4X1" S/TAP POSI PAN BZP	(2)-4,(3)-2	6
202	FX0163	N8X1/2" S/TAP POSI FLG BZP	(103)-4,(5)-2	6
203	000-P00412-W	M4X12 MSCR POSI PAN W/FS PAS	(4)-4	4
204	FX0213	M8 NUT BZP	(4)-1	1
205	FS1031	M8 WSHR 25OD FLT BNP	(4)-1	1
206	FX0261	M8 WSHR SPR BZP	(4)-1	1
301	600-7118-003UK	WIRE HARN 100V CONN BD		1
302	600-7118-004UK	WIRE HARN FUSE BD IN		1
303	600-7118-005UK	WIRE HARN CONN BD OUT		1
304	600-7118-006UK	WIRE HARN FUSE BD OUT		1
305	600-7118-007UK	WIRE HARN SIMPSU OUT		1
306	600-7118-014UK	WIRE HARN FUSE EXT		1
307	600-7118-029UK	WIRE HARN SIG EXT FOR SSR		1
308	600-7118-031UK	WIRE HARN AUDIO EXT		1
309	600-7118-039UK	WIRE HARN CABI SPKR EXT		1
310	600-7118-043UK	WIRE HARN VOL EXT A		1
311	600-7118-047UK	WIRE HARN SIMPSU DC OUT		1
312	600-7118-048UK	WIRE HARN SIMPSU AC OUT		1
313	600-7118-049UK	WIRE HARN SIMPSU 12V OUT		1
314	600-7118-060UK	WIRE HARN WOOFER EXT		1

7.22. ASSY VTS OCN S/DX (OCN-7560UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-1036UK	VTS BRKT OCN DX		1
2	OCN-7561UK	STICKER VTS		1
101	EP1374A	CREDIT BD KLINGON PLUS - 1		1
102	EP1003	COUNTER IMPULSE, PANEL W/CLIP		1
103	SW1100	SWITCH MOMENTARY 0.11" TAB	TOP 2 HOLES	2
104	EP1334	FUSE HOLDER 20mm 10A 240Vac		2
105	EP1331	POT 4.7K LIN 0.11" TAB	TABS FACING UPWARDS	1
106	220-5296UK	POT 2 GANG 4.7K LIN 0.11" TAB		1
107	EP1018	KNOB 15MM DIA FOR 6.3MM SHAFT	(105)-2	2
108	OS1098	CRIMP BELL END SMALL	(102)-2	2
109	280-L02040-PS	STANDOFF 20mm 4mm HOLE PANEL S	(101)-4	4
110	OS1181	CABLE TIE BASE 19mmSq SELF/ADH		2
111	OS1174	CABLE TIE, NYLON 100mm		2
112	601-5526-1000	BUSH 1.6t 1000mm	160mm ON ITEM (1)	0.16
114	514-5078-1000	FUSE 5X20 CERAMIC SB 1000mA	(104)-2	2
201	000-P00408-W	M4X8 MSCR POSI PAN W/FS PAS	(EARTH)-1	1
301	600-7118-101UK	WIRE HARN VTS OCN SDX		1
302	600-9030-45K	WIRE HARN EARTH 300mm M4/M5 K	VTS TO COIN DOOR	1

### 7.23. ASSY AC UNIT (OCN-7600UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	JPT-1021UK	AC BRKT UK		1
2	LB1096	STICKER PROTECTIVE EARTH	(EARTH STUD)	1
3	421-6595-6300-T	STICKER FUSE 6300mA TYPE T		1
102	EP1379	FILTER EMI 10A ARCOTRONICS		1
104	SW1109	SWITCH ROCKER 250V AC		1
105	EP1302	EUROSOCKET FUSED 10A 250Vac		1
106	514-5078-6300	FUSE 5X20 CERAMIC SB 6300mA		1
107	310-5029-D508	HEAT SHRINK SLEEVING 50.8DIA		0.04
201	FX0399	M3X8 MSCR POSI PAN BZP	(102)-4	4
202	FX0263	M3 WSHR FORM A FLT BZP	(102)-4	4
203	050-F00400	M4 NUT FLG	EARTH STUD - 2	2
301	600-6911-049UK	WIRE HARN AC BRKT (JPT)		1
302	600-7118-002UK	WIRE HARN AC OUT (PRIMARY)		1

**7.24. ASSY WIRE TRUNK MAIN CABI (OCN-7700UK)**

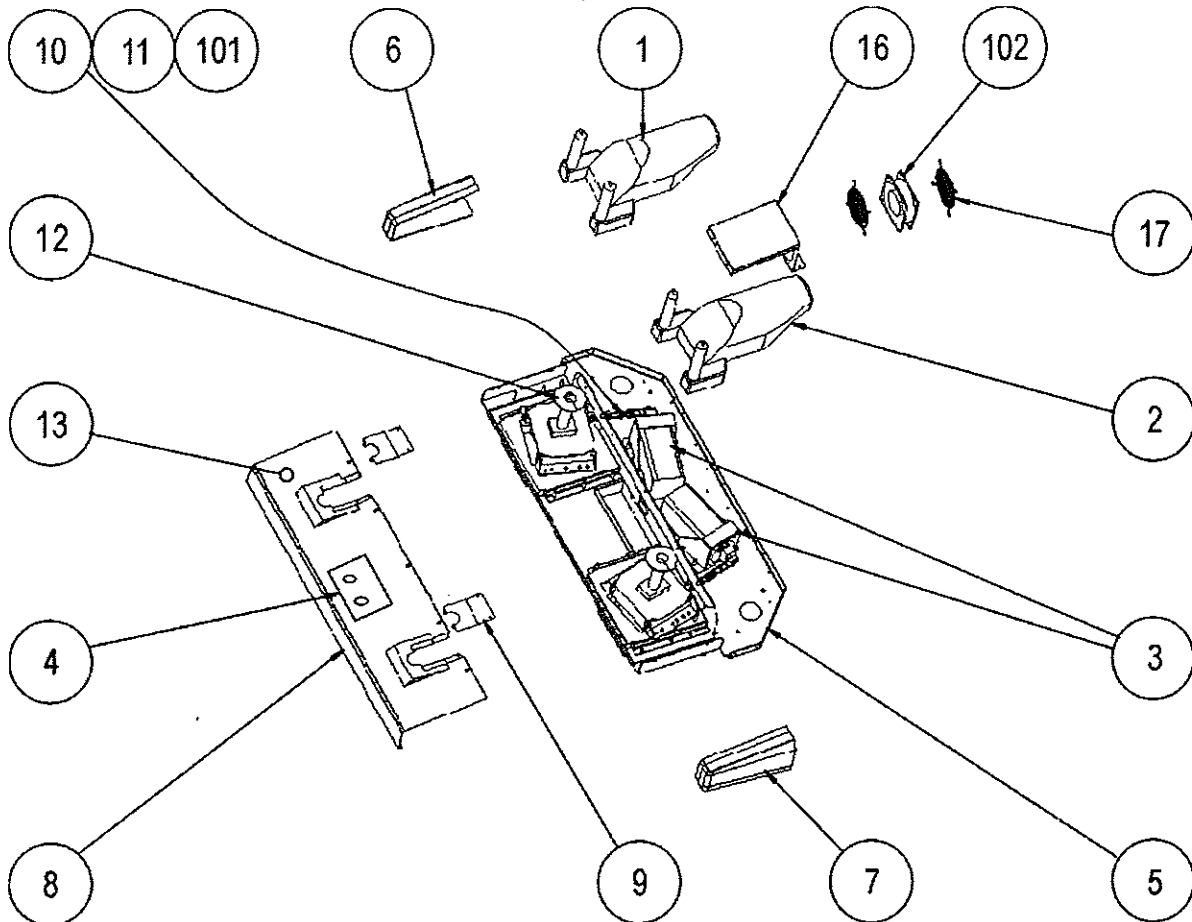
D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
301	600-7118-030UK	WIRE HARN AUDIO WIRE TRUNK		1
302	600-7118-041UK	WIRE HARN SEAT EXT A		1
303	600-7118-050UK	WIRE HARN SIMPSU AC EXT		1
304	600-7118-051UK	WIRE HARN SIMPSU DC EXT		1
305	600-7118-052UK	WIRE HARN SSR SIG EXT		1
306	600-7118-053UK	WIRE HARN 12V EXT		1
307	600-7118-054UK	WIRE HARN FUSE EXT A		1
308	600-7118-055UK	WIRE HARN VOL EXT B		1
309	600-7118-061UK	WIRE HARN WOOFER EXT A		1

**7.25. ASSY WIRE TRUNK VTS MAIN CABI (OCN-7750UK)**

D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
301	600-7118-019UK	WIRE HARN EXT X / Y POTS		1
302	600-7118-020UK	WIRE HARN EXT CNTL PNL		1
303	600-7118-056UK	WIRE HARN 12V EXT A		1
304	600-7118-057UK	WIRE HARN FUSE EXT B		1
305	600-7118-058UK	WIRE HARN EXT COIN UNIT I/O		1
306	600-7118-059UK	WIRE HARN VOL EXT C		1
307	600-7118-062UK	WIRE HARN WOOFER EXT B		1



### 7.26. ASSY CONTROL PANEL (OCN-8000UK)



D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-2050	ASSY CONTROL MECHA L		1
2	OCN-2070	ASSY CONTROL MECHA R		1
3	OCN-2100UK	ASSY CLUTCH MOTOR UK		2
4	OCN-2200UK	ASSY START SWITCH		1
5	OCN-8002UK	CONTROL PANEL BASE		1
6	OCN-1005-A	CP SIDE COVER L BLANK		1
7	OCN-1006-A	CP SIDE COVER R BLANK		1
8	OCN-8004UK	CONTROL PANEL PLATE		1
9	OCN-2003UK	CNT PNL LID		2
10	OCN-2004X	SHAFT		2
11	OCN-2005UK	ROD M12		2
12	OCN-2558	RING PLATE		4
13	OCN-8005UK	STICKER CONTROL PANEL		1
16	OCN-8003UK	FAN BRKT		1
17	FN1012	MESH GUARD METAL 120mm FAN	(102)-2	2
101	100-5307	RODEND RBH12		4
102	260-0011-02	AXIAL FLOW FAN AC100V 50-60Hz	(16)-1	1

(CONTINUED...)

201	FX0220	M8 NUT NLK BZP	(1,2)-6,(3)-8,(10)-2	22
202	FX0365	M8 WSHR FORM A FLT BZP	(1,2)-6,(3)-8	20
203	000-T00412-OC	M4X12 MSCR POSI TH CRM	(4)-4	4
204	000-T00412-OB	M4X12 MSCR POSI TH BNP	(9)-4	4
205	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(6,7)-2	4
206	000-P00450-W	M4X50 MSCR POSI PAN W/FS BZP	(102)-4	4
207	000-P00410-W	M4X10 MSCR POSI PAN W/FS	(16)-4,(8)-5,(3)-2	11
208	FX0207	M12 NUT BZP	(11)-4	4
209	FX0301	M4 WSHR 16OD FLT BZP	(3)-2	2
301	600-7118-013UK	WIRE HARN EXT CNTL FAN C		1
302	600-7118-021UK	WIRE HARN EXT SHOTS L/R		2
303	600-7118-022UK	WIRE HARN EXT START / SHOT		1
304	600-7118-023UK	WIRE HARN CLUTCH 1P / 2P		1
305	600-7118-024UK	WIRE HARN MOTOR 1P / 2P		1
306	600-7118-025UK	WIRE HARN 2P GUN X / Y		1
307	600-7118-026UK	WIRE HARN 1P GUN X / Y		1
308	600-7117-011UK	WIRE HARN FAN		1

### 7.27. ASSY INSTALLATION KIT (OCN-INST-SDX)

D No.	PART NUMBER	DESCRIPTION	COMPONENT REF	QTY
1	OCN-5000UK	ASSY BILLBOARD		1
2	OCN-5200UK	ASSY REAR FRAME		1
3	OCN-5003UK	SEAT JOINT BRKT		2
4	OCN-5100UK	ASSY SEAT CABI		1
7	OCN-5307UK	PTV JOINT BRKT		2
8	OCN-5308UK	SHOULDER BOLT	PTV TO CABI	4
9	OCN-5309UK	RUBBER SLEEVE	OVER ITEM 8	4
10	422-0701UK	PLAY INSTR OCN S/DX MULTI		1
11	OCN-5310UK	POP PANEL OCN S/DX		1
12	420-6419-01UK	SERVICE MANUAL OCN S/DX		1
17	OCN-5313UK	CURTAIN POLE OCN		2
18	OCN-5314UK	POLE BRKT		2
19	OCN-5315UK	CURTAIN OCN		2
21	OCN-7013UK	LOCK BAR A		1
22	OCN-7014UK	LOCK BAR B		1
23	PK0176	CARTON INST KIT OCN SDX		1
24	OS1019	SELF SEAL BAG 9X12.3/4		2
25	SAECE-032	DECLARATION OF CONFORMITY OCNT		1
26	540-0006-01	WRENCH M4 TMP PRF		1
27	390-5160	LAMP WG B TYPE 6V 3W (C2R)		2
28	220-5484	VOL CONT B-5K OHM		1
201	000-T00416-OB	M4X16 MSCR POSI TH BNP	(17)-2,(11)-4	6
202	068-441616-OB	M4 WSHR 16OD FLT BNP	(2)-13,(11)-4	17
203	030-000816-SB	M8X16 BLT W/S BNP	(1)-6 IN BAG,(2)-6	12
204	030-000825-SB	M8X25 BLT W/S BNP	(1)-2 IN BAG	2
205	FAS-300001	M8X20 BLT W/FS CRM	(3)-4	4
206	030-0008E0-OB	M8X140 BLT HEX BNP	(1)-6	6
207	000-P00512-W	M5X12 MSCR POSI PAN W/FS PAS	(7)-6	6
208	FS1014	M8 WSHR FORM C FLT BNP	(1)-14 IN BAG,(2)-6	20
209	FS1019	M8 WSHR SPR BNP	(1)-6	6
210	050-C00800-OB	M8 NUT DOME TYPE 3 BNP	(1)-2 IN BAG	2
301	600-6921-20	ASSY RGB CABLE D-BNC 200CM		1

## 8. APPENDIX A - ELECTRICAL SCHEMATIC

### 8.1. WIRE COLOURS

THE WIRE COLOUR CODE IS AS FOLLOWS:

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

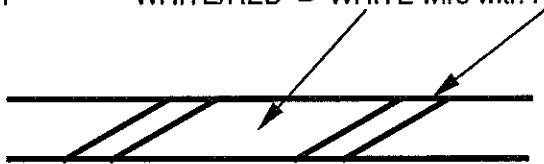
Wires other than those of any of the colours listed above will be displayed by 2 alphanumeric characters:

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

### 8.2. ELECTRICAL SCHEMATIC

The following 5 pages contain the electrical schematic for this machine.



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### **European Customers**

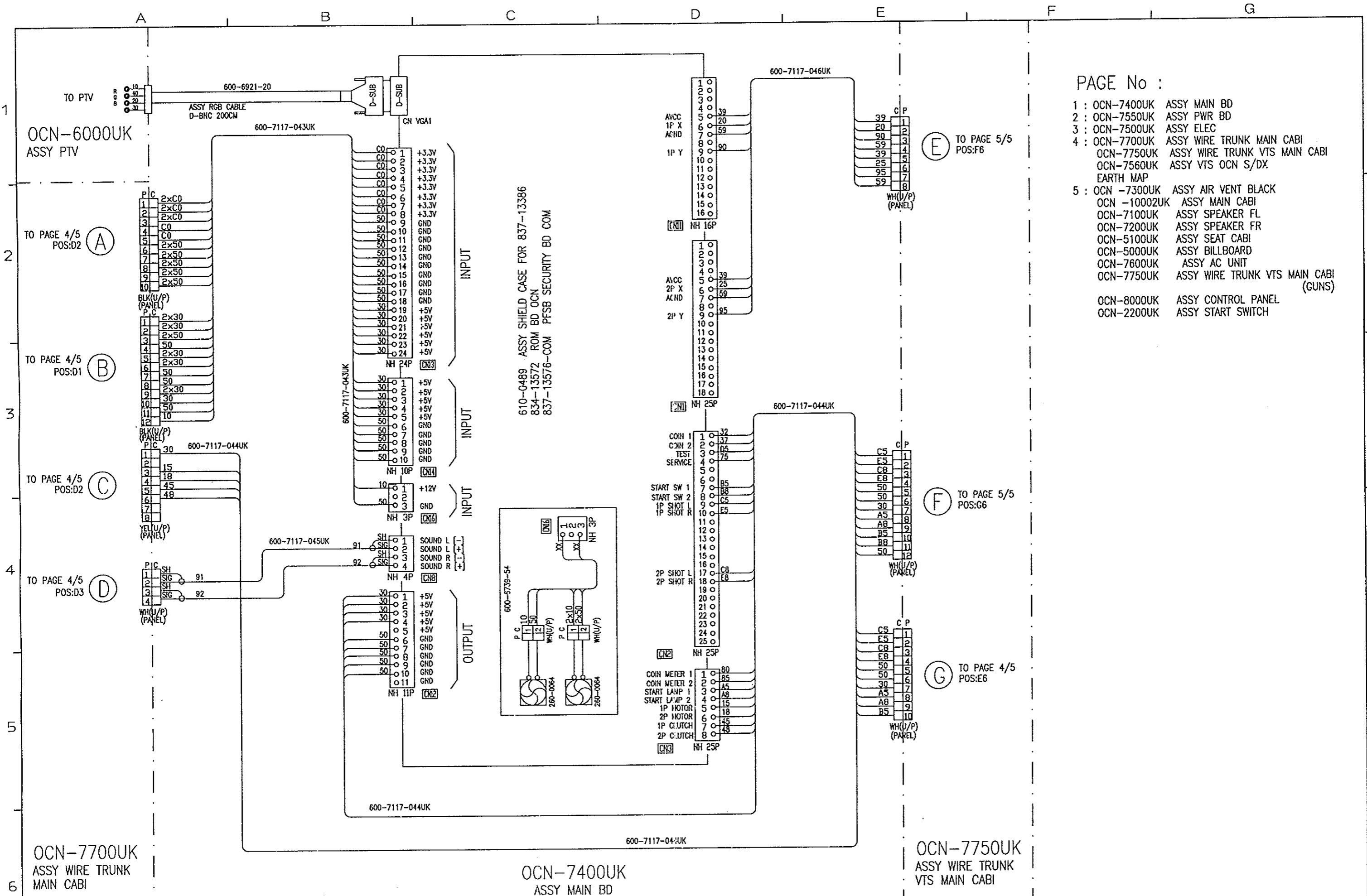
Tel: +44(0) 181 336 2256

Fax: +44(0) 181 942 1343

# **SEGA**



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- PAGE No :
- 1 : OCN-7400UK ASSY MAIN BD
  - 2 : OCN-7550UK ASSY PWR BD
  - 3 : OCN-7500UK ASSY ELEC
  - 4 : OCN-7700UK ASSY WIRE TRUNK MAIN CABI
  - OCN-7750UK ASSY WIRE TRUNK VTS MAIN CABI
  - OCN-7560UK ASSY VTS OCN S/DX
  - EARTH MAP
  - 5 : OCN-7300UK ASSY AIR VENT BLACK
  - OCN-10002UK ASSY MAIN CABI
  - OCN-7100UK ASSY SPEAKER FL
  - OCN-7200UK ASSY SPEAKER FR
  - OCN-5100UK ASSY SEAT CABI
  - OCN-5000UK ASSY BILLBOARD
  - OCN-7600UK ASSY AC UNIT
  - OCN-7750UK ASSY WIRE TRUNK VTS MAIN CABI (GUNS)
  - OCN-8000UK ASSY CONTROL PANEL
  - OCN-2200UK ASSY START SWITCH

OCN-6000UK  
ASSY PTV

TO PAGE 4/5  
POS:D2 (A)

TO PAGE 4/5  
POS:D1 (B)

TO PAGE 4/5  
POS:D2 (C)

TO PAGE 4/5  
POS:D3 (D)

(E) TO PAGE 5/5  
POS:F6

(F) TO PAGE 5/5  
POS:G6

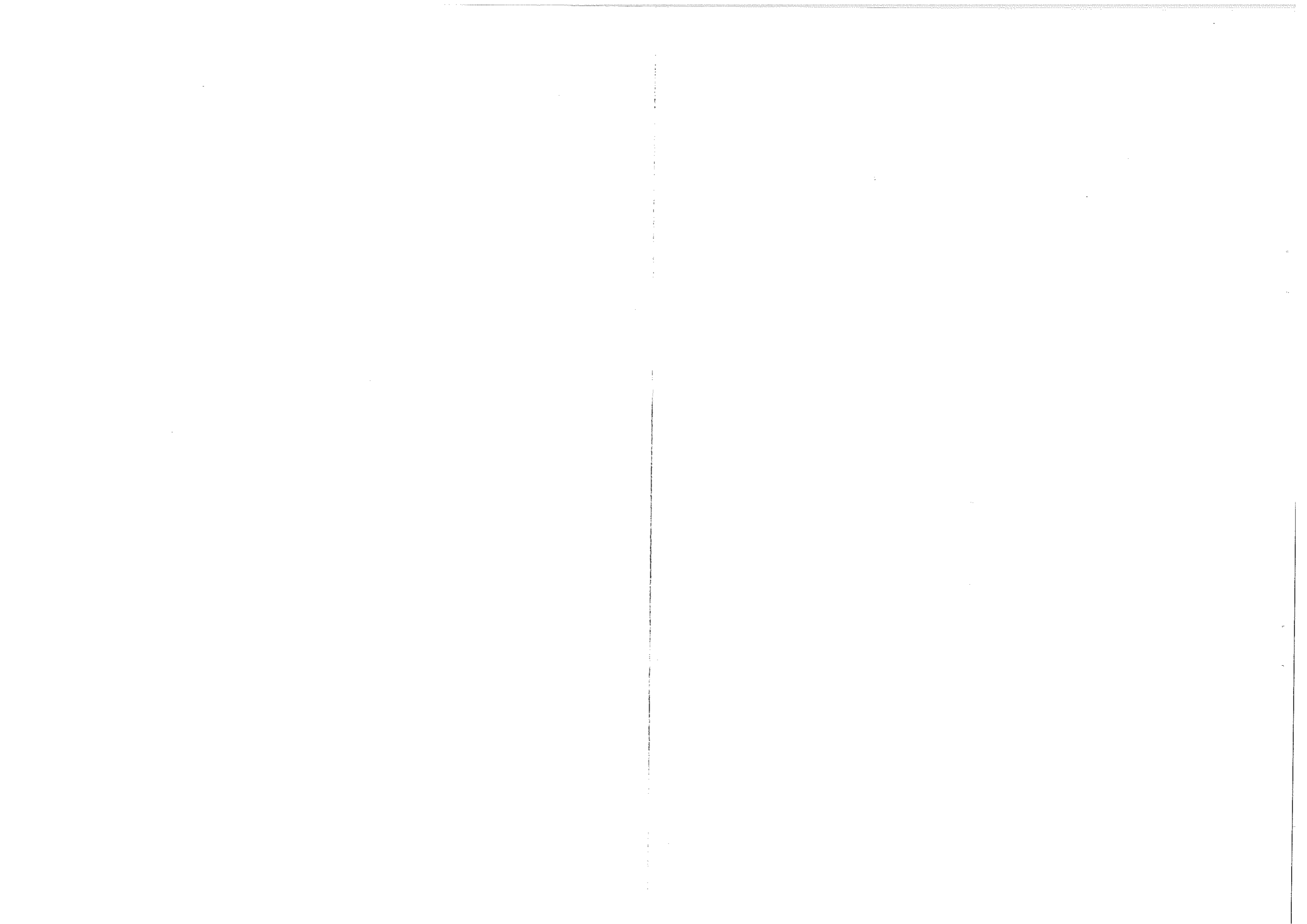
(G) TO PAGE 4/5  
POS:E6

OCN-7700UK  
ASSY WIRE TRUNK  
MAIN CABI

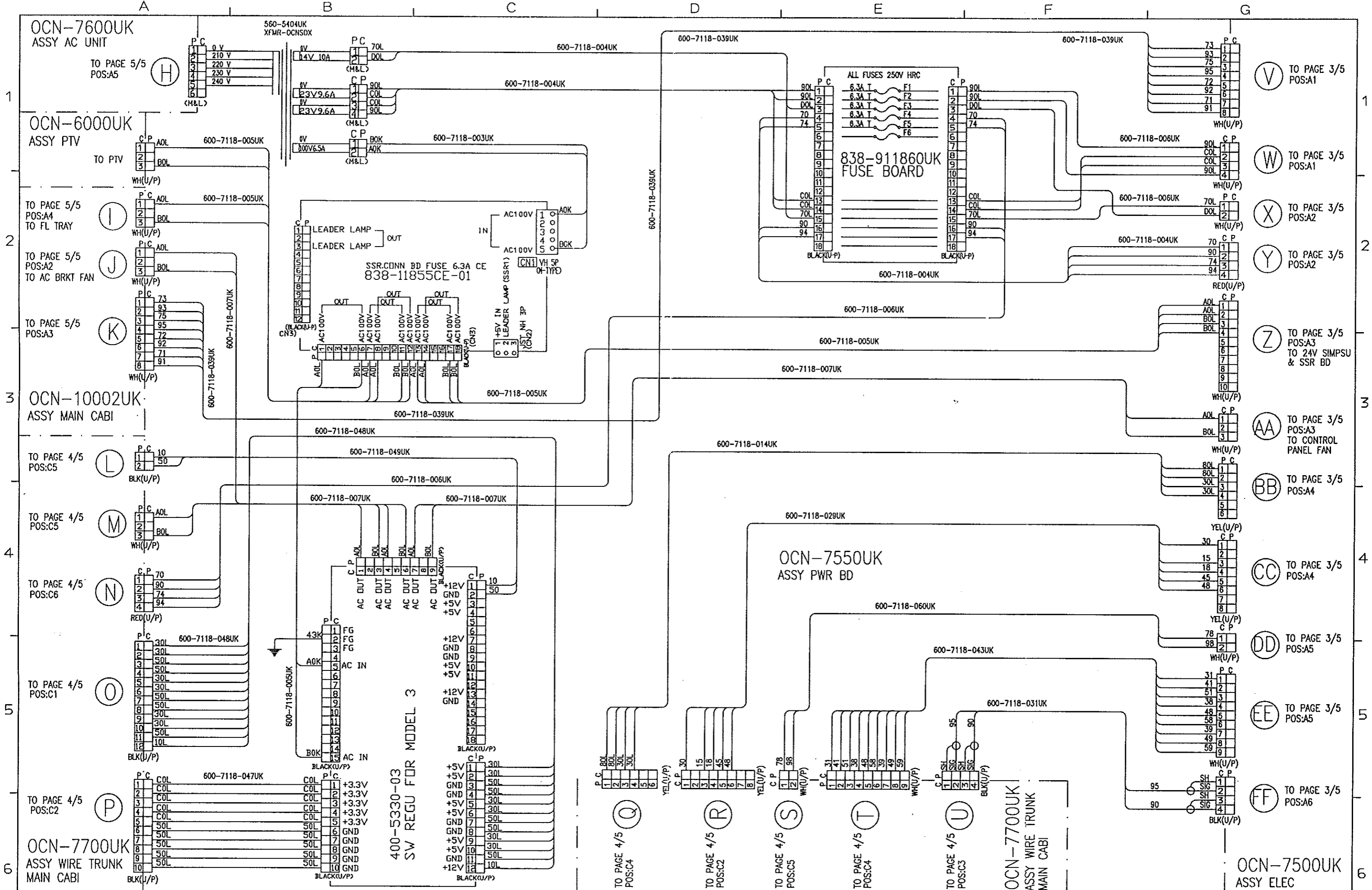
OCN-7400UK  
ASSY MAIN BD

OCN-7750UK  
ASSY WIRE TRUNK  
VTS MAIN CABI

ALTERATION		WIRE COLOR		EXAMPLE		USED IN ASSY		DRAWN	CHECKED	D CHECKED	APPROVED	SEGA SEGA ENTERPRISES, LTD. THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.		DESCRIPTION		DIAGRAM No.
8	BLACK	E	LIGHT GREEN	50L	WHITE AWO20			JW	GC			OCEAN HUNTER SUPER DELUX		OCN S/DX (1/5)		
7	ORANGE	D	PURPLE	51	WHITE RED			27/10/98	28/10/98							
5	WHITE	C	BROWN	50	WHITE											
4	GREEN	B	SKY BLUE													
3	YELLOW	A	PINK													
2	BLUE	9	GRAY													
1	RED															





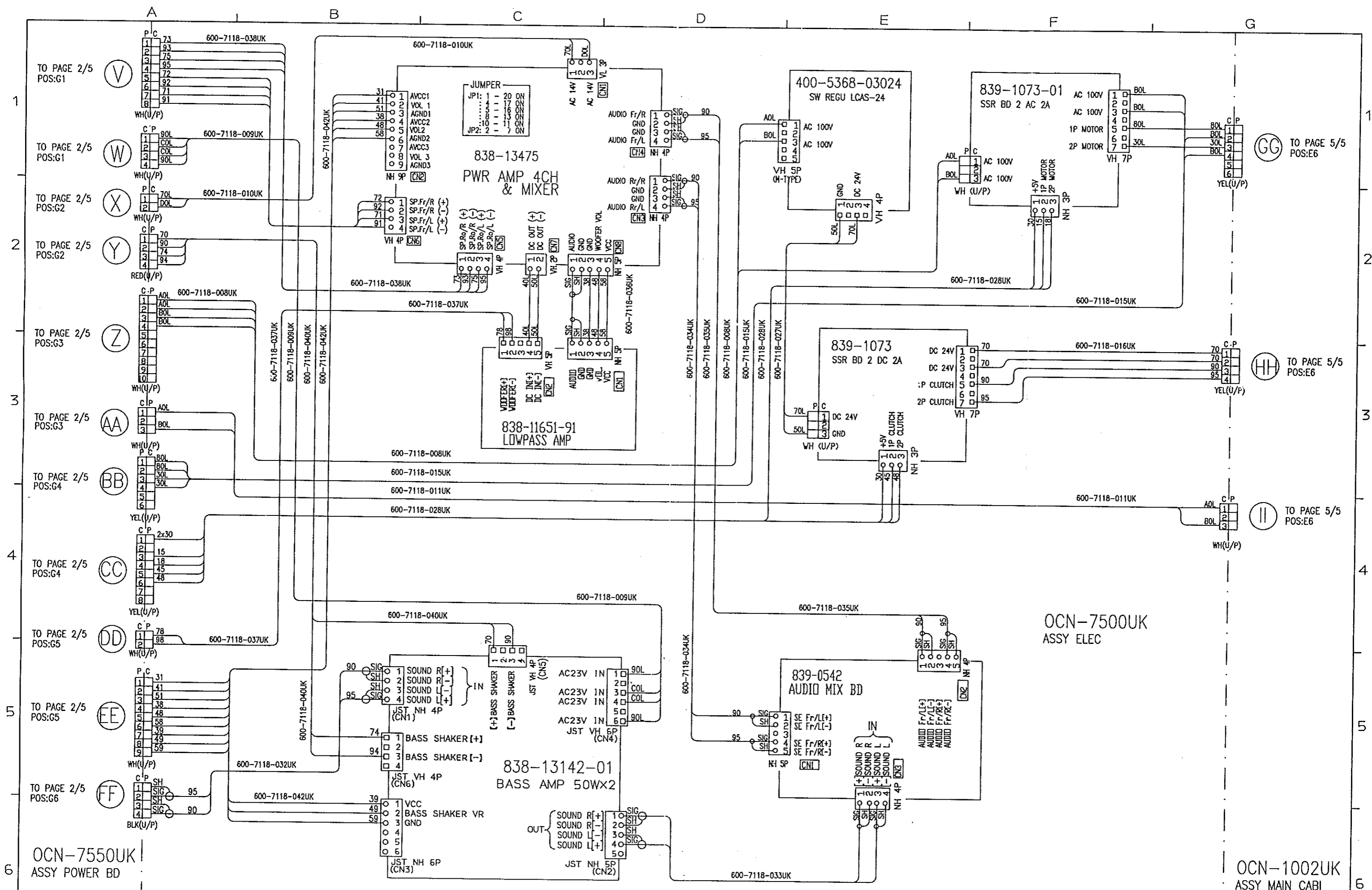


6	BLACK	50L	WHITE	AWG20
7	ORANGE	51	WHITE	RED
8	WHITE	52	WHITE	RED
9	GREEN	53	EXAMPLE	
4	BROWN	U	AWG16	UL1015
3	YELLOW	B	SKY BLUE	UL1015
2	BLUE	A	PINK	UL1007
1	RED	9	GRAY	AWG22 UL1007

DRAWN	CHECKED	D CHECKED	APPROVED
JW	GC		
27/10/98	28/10/98		

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<b>OCEAN HUNTER SUPER DELUX</b>	
DCN S/DX (2/5)	DIAGRAM No.





OCN-7550UK  
ASSY POWER BD

OCN-7500UK  
ASSY ELEC

OCN-1002UK  
ASSY MAIN CABI

8 BLACK		50L WHITE AWG20		DRAWN		CHECKED		D CHECKED		APPROVED		SEGA SEGA ENTERPRISES, LTD. THIS DRAWING WILL IN NO WAY BE COPIED. TO BE RETURNED ON DEMAND.	
7 ORANGE		51 WHITE RED		JW		GC						OCEAN HUNTER SUPER DELUX	
5 WHITE		50L WHITE RED		27/10/98		28/10/98						DCN S/DX (3/5)	
4 GREEN		EXAMPLE		TOP-ASS'Y								DESCRIPTION	
3 YELLOW		U AWG16 UL1015										DIAGRAM No.	
2 BLUE		K AWG18 UL1015											
1 RED		L AWG22 UL1007											
WIRE COLOR		WIRE COLOR											



EARTH MAP : OCEAN HUNTER SUPER DELUX

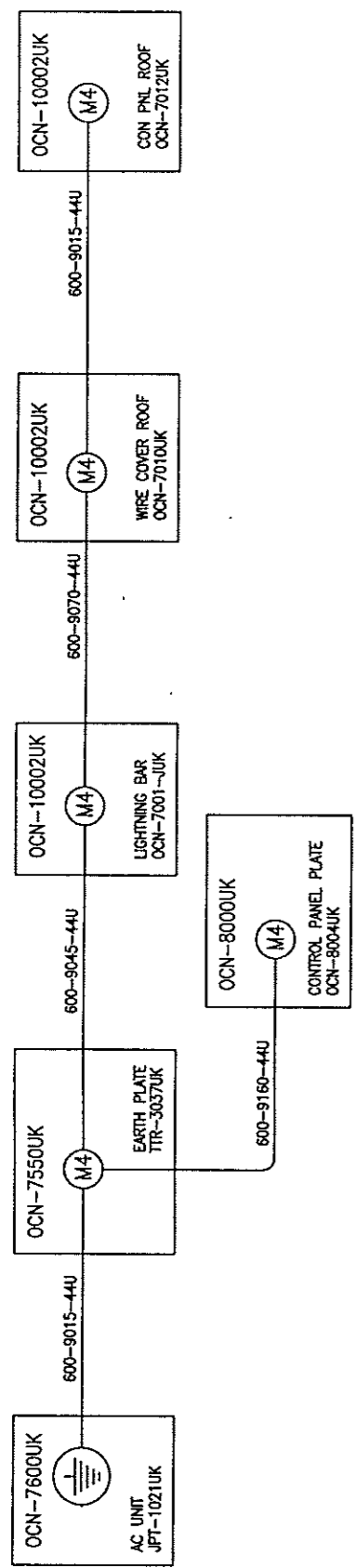
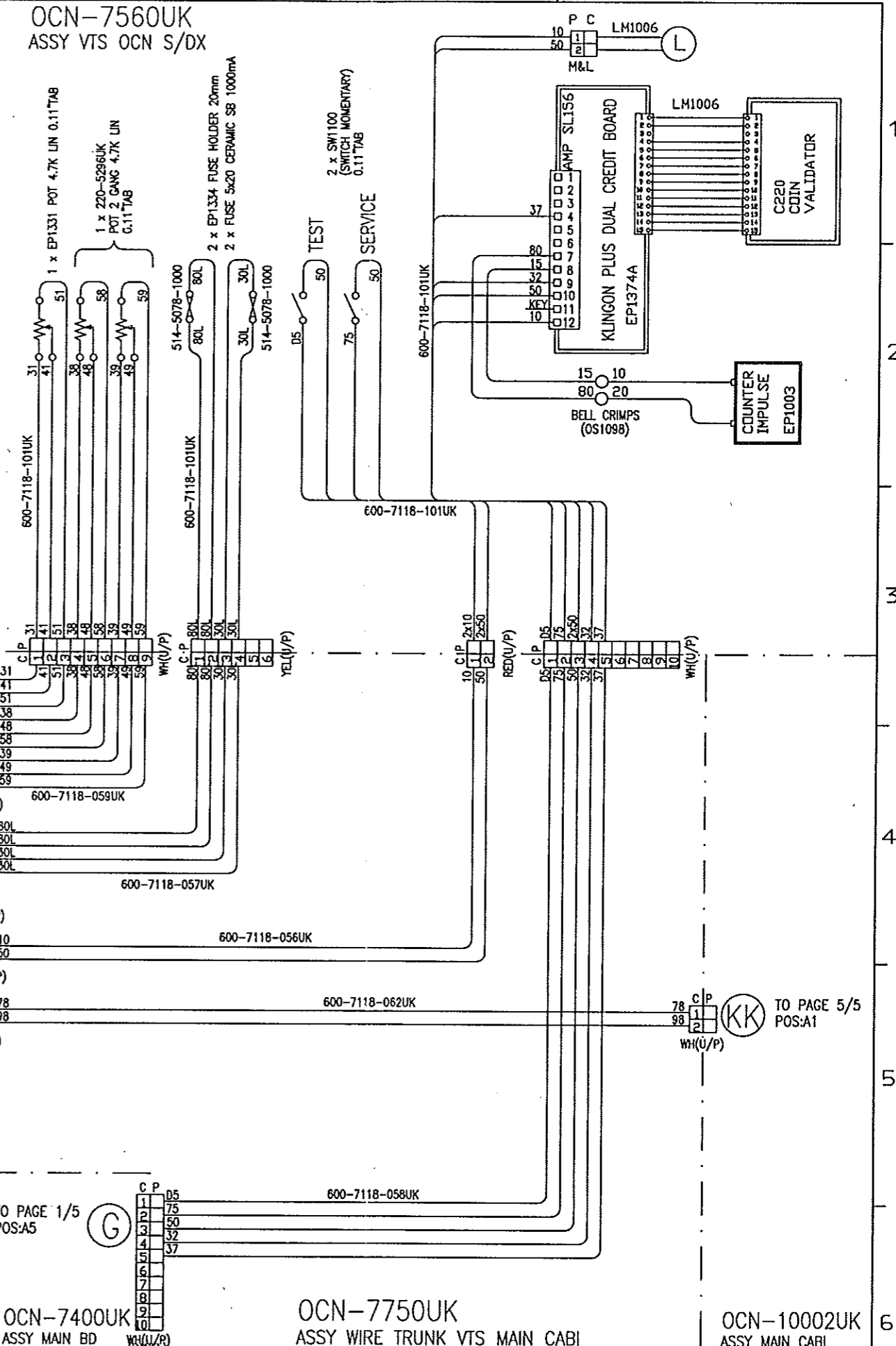
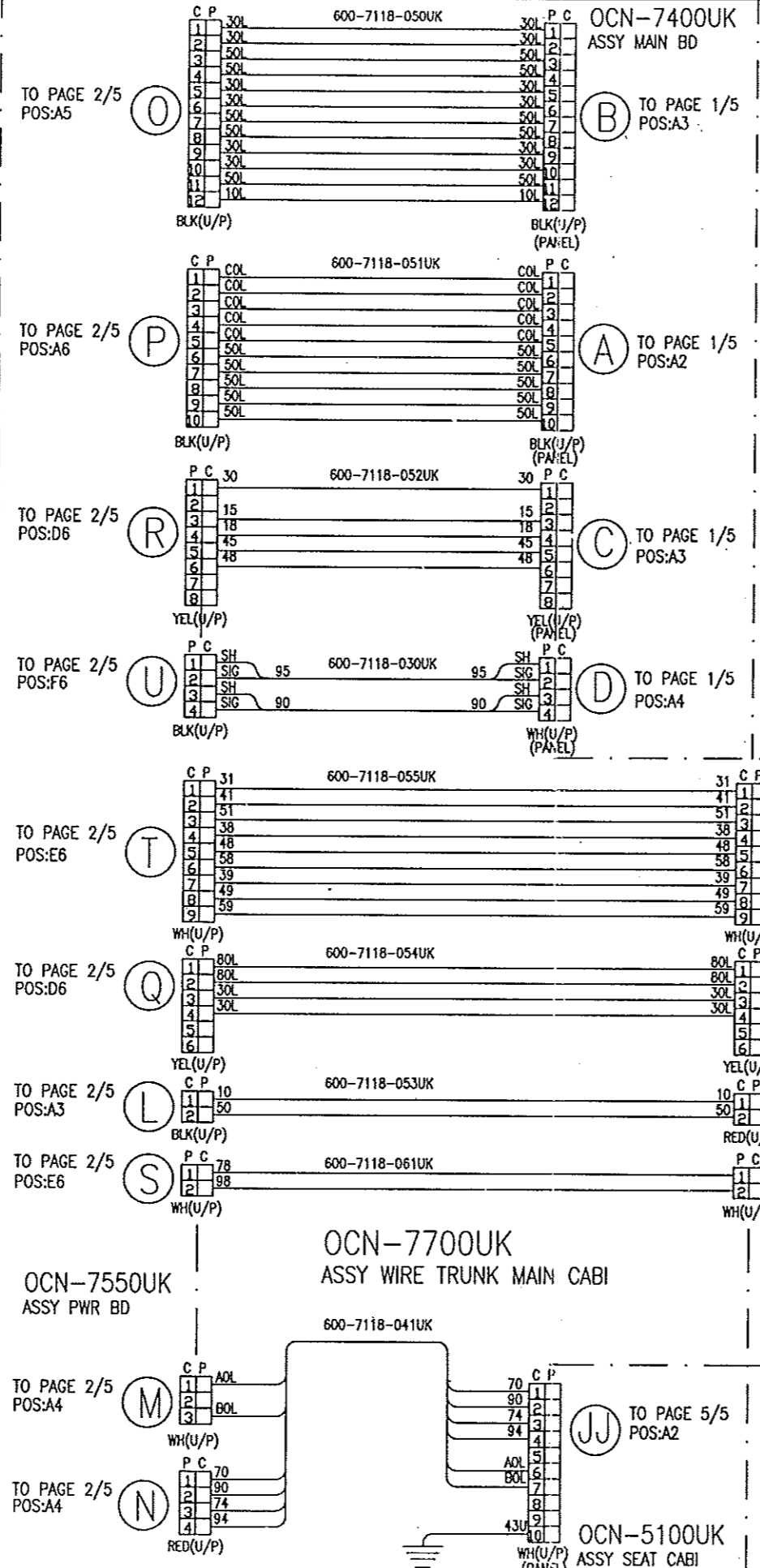
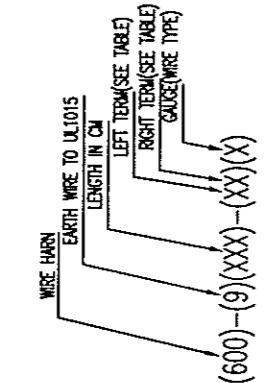


TABLE OF TERMINAL CODES

Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code	Terminal Code
A	B	C	D	E	F	G	H	I	J
0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB	0.110" FASTON 0.5mm TAB
M	N	P	R	S	T	V	W	X	Y
AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1	AMP W/L SOCKET 50535-1
Z									
AMP W/L SOCKET 50535-1									



WIRE COLOR

8	BLACK	E	LIGHT GREEN	S0L	WHITE AWG20
7	ORANGE	D	PURPLE	51	WHITE RED
6	WHITE	C	BROWN	50	WHITE
5	GREEN	B	SKY BLUE	U	EXAMPLE
4	YELLOW	A	PINK	K	AWG16 UL1015
3	BLUE	9	GRAY	L	AWG18 UL1015
2	RED				AWG22 UL1017
1	RED				AWG22 UL1017

USED ON ASSY

DCN-00000UK

TOP-ASS'Y

DRAWN	CHECKED	D CHECKED	APPROVED
JW	GC		
27/10/98	28/10/98		

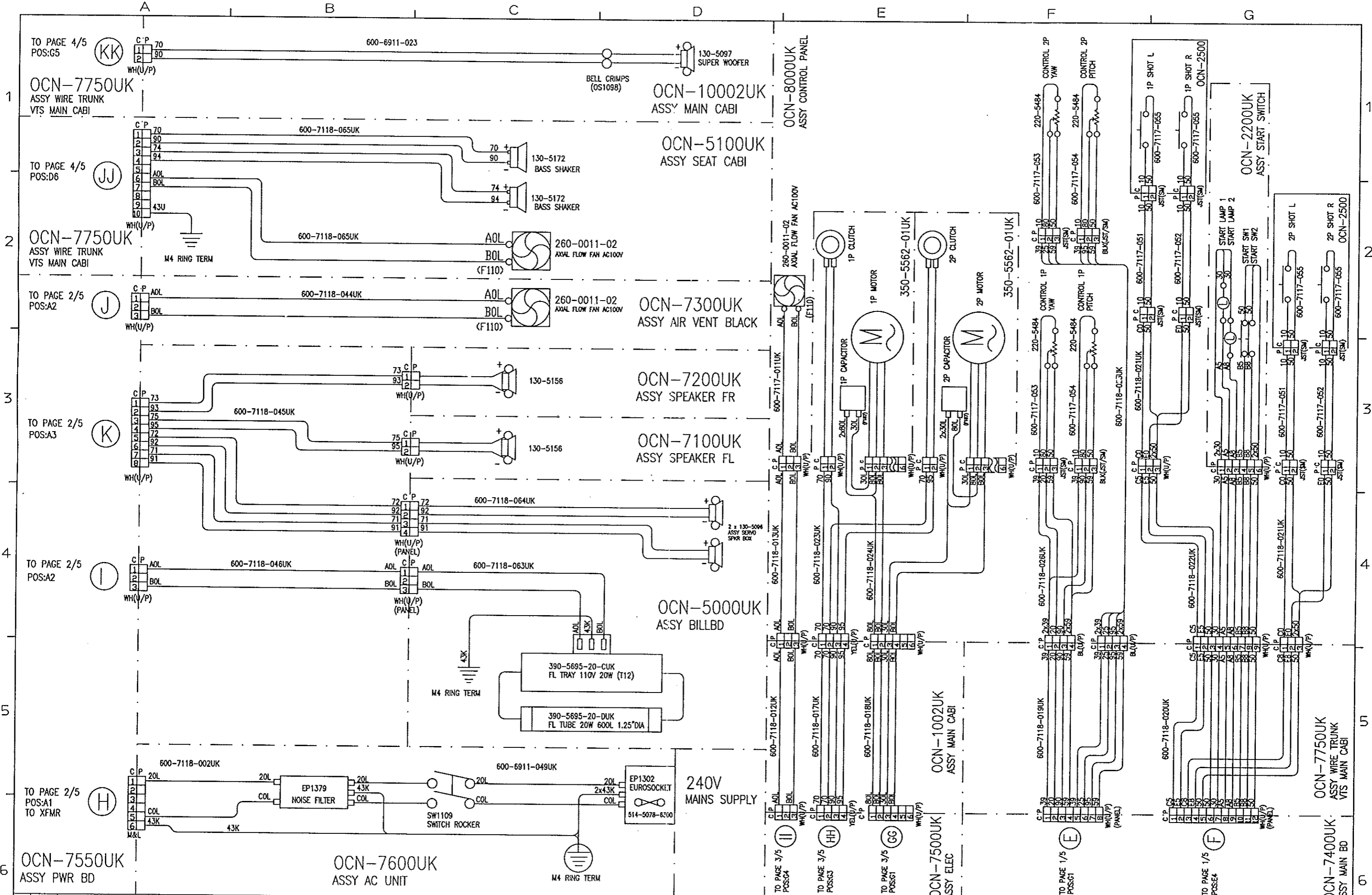
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OCEAN HUNTER SUPER DELUX

DCN S/DX (4/5)

DIAGRAM No.





8	BLACK	F	LIGHT GREEN	50L	WHITE AWG20
7	ORANGE	E	PURPLE	51	WHITE RED
5	WHITE	D	BROWN	50	WHITE
4	GREEN	C	BROWN	EXAMPLE	
3	YELLOW	B	SKY BLUE	U	AWG18 UL1015
2	BLUE	A	PINK	K	AWG18 UL1015
1	RED	9	GRAY	L	AWG20 UL1007
					AWG22 UL1007

USED ON ASSY	DRAWN	CHECKED	D CHECKED	APPROVED
OCN-00000UK	JW	GC		
TOP-ASSY	27/10/98	28/10/98		

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OCEAN HUNTER SUPER DELUX	OCN S/DX (5/5)
DESCRIPTION	DIAGRAM No.

