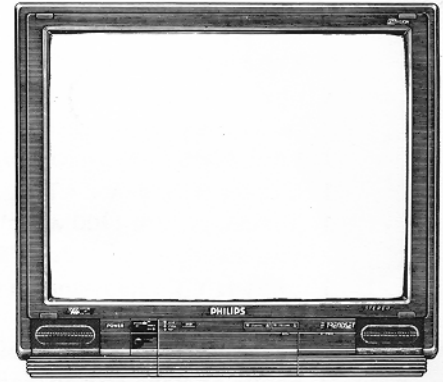


Service Service Service



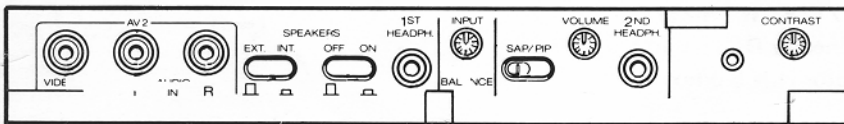
Service Manual

Manual de Serviço
Manual de Servicio
Service Manual

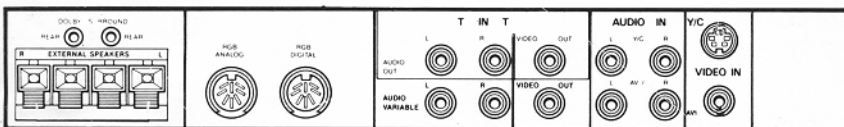
CHASSIS CTO-L dolby surround stereo

CONEXÕES EXTERNAS – CONEXIONES EXTERNAS – EXTERNAL CONNECTIONS

FRONT VIVO



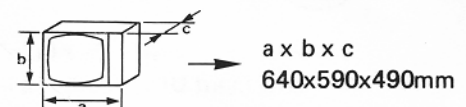
REAR VIVO



4806 212 27297 (EXP)
4806 212 27279 (BRAZIL)

- 110/220V AUTO
50/60 Hz
120 watts
- VHF - 75Ω
UHF - 300Ω
- A66EAK65x03 (/78z/87z)
A66EAK60x03 (/55z/77z/88z)
A66EAK55x03 (/58z)
- 2x8Watts (RMS) FRONT
2x2Watts (RMS) SURROUND
- INPUT
AV1/AV2

- RGB Input Digital
- RGB Input Analog
- 2 x 8W/8Ω (RMS)
- 8 - 600Ω
- Y / C input



| | | | |
|---------|-------|-------|-----------------|
| VHF I | - A2 | - A6 | : 54 - 88 MHz |
| VHF III | - A7 | - A13 | : 174 - 216 MHz |
| UHF | - A14 | - A83 | : 470 - 860 MHz |
| CA TV | - C2 | - C94 | : 54 - 648 MHz |



P E GB

Subject to modification
4806 727 17118
Printed in Brazil

PHILIPS

P CONEXÕES EXTERNAS

- 1. Entrada de antena VHF - $75\ \Omega$ (sensibilidade mínima $40\mu\text{V}$)
- 1 Entrada de antena UHF - $300\ \Omega$ (sensibilidade mínima $155\mu\text{V}$)
- 2 Saídas para caixas acústicas ($2 \times 8\ \text{W} - \text{RMS}$)
- 2 Saídas para caixas acústicas SURROUND ($2 \times 2\ \text{W} - \text{RMS}$)
- 1 Entrada RGB analógico ($1\text{Vpp}/75\ \Omega$) conector DIN 8 pinos
- 1 Entrada RGB digital (**TTL** / $75\ \Omega$) conector DIN 8 pinos
- 1 Tomada de rede (100 watts)
- 2 Entradas de vídeo ($1\text{Vpp}/75\ \Omega$)
- 1 Entrada Y/C - luminância e croma ($1\text{Vpp}/75\ \Omega$)
- 3 Entradas de áudio estéreo
- 2 Saídas de vídeo ($1\text{Vpp} / 75\ \Omega$) sendo 1 saída "T in T"
- 2 Saídas de áudio estéreo sendo 1 saída "T in T" e 1 saída variável
- 1 Tomada headphone do canal de som principal ($8 - 600\ \Omega$)
- 1 Tomada headphone do canal de som do SAP ou PIP ($8 - 600\ \Omega$)

E CONEXIONES EXTERNAS

- 1 Entrada de antena VHF - $75\ \Omega$ (sensibilidad mínima $40\mu\text{V}$)
- 1 Entrada de antena UHF - $300\ \Omega$ (sensibilidad mínima $155\mu\text{V}$)
- 2 Salidas para cajas acústicas ($2 \times 8\ \text{W} - \text{RMS}$)
- 2 Salidas para cajas acústicas SURROUND ($2 \times 2\ \text{W} - \text{RMS}$)
- 1 Entrada RGB analógico ($1\text{Vpp}/75\ \Omega$) conector DIN 8 pinos
- 1 Entrada RGB digital (**TTL** / $75\ \Omega$) conector DIN 8 pinos
- 1 Toma de red (100 Watts)
- 2 Entradas de vídeo ($1\text{Vpp} / 75\ \Omega$)
- 1 Entrada Y/C - Luminância y Crominância ($1\text{Vpp}/75\ \Omega$)
- 3 Entradas de audio estereo
- 2 Salidas de vídeo ($1\text{Vpp} / 75\ \Omega$) siendo 1 salida "T in T"
- 2 Salidas de audio estereo siendo 1 salida "T in T" y 1 salida variable
- 1 Toma de auricular del canal de sonido principal ($8 - 600\ \Omega$)
- 1 Toma de auricular del canal de SAP o PIP ($8 - 600\ \Omega$)

GB EXTERNAL CONNECTIONS

- 1 Aerial input VHF - $75\ \Omega$ (minimun sensitivity $40\mu\text{V}$)
- 1 Aerial input UHF - $300\ \Omega$ (minimun sensibility $155\mu\text{V}$)
- 2 Loudspeaker output L and R ($2 \times 8\ \text{W} - \text{RMS}$)
- 2 Loudspeaker output SURROUND ($2 \times 2\ \text{W} - \text{RMS}$)
- 1 Analogic RGB input ($1\text{Vpp}/75\ \Omega$) DIN 8 pin connector
- 1 Digital RGB input (**TTL** / $75\ \Omega$) DIN 8 pin connector
- 1 Mains socket (100 watts)
- 2 Entradas de vídeo ($1\text{Vpp}/75\ \Omega$)
- 1 Entrada Y/C - Luminance and Chrominance ($1\text{Vpp}/75\ \Omega$)
- 3 Stereo audio input L and R
- 2 Video output ($1\text{Vpp}/75\ \Omega$), 1 normal output and other "T" in "T"
- 2 Stereo audio output, 1 "T" in "T" output and 1 variable output
- 1 Headphone socket from main sound channel ($8-600\ \Omega$)
- 1 Headphone socket from SAP channel or PIP ($8 - 600\ \Omega$)

P

1. Remoção do Painei Frontal

- Remova as grades dos altofalantes, direita e esquerda, soltando as travas. Após remover os quatro parafusos, puxe o painel de controle para a frente (fig. 1).

2. Remoção da Tela de Vidro

- Remova a tela de vidro após soltar as quatro travas.

3. Remoção do Chassis

- Remova a tampa traseira soltando os parafusos. A seguir, desligue os conectores dos altofalantes.
- Remova o painel de conexões soltando a trava do lado direito.
- O chassis poderá ser retirado soltando as travas no suporte.

4. Reparos nos módulos de Crominância e Sincronismo

- O acesso aos módulos deverá ser feito através de uma extensão com conectores, como segue:

| | |
|-----------------------------|----------------|
| Conector 8p macho | 4806 404 67122 |
| Conector 8p femea | 4806 267 47068 |
| Conector 6p macho | 4806 404 67123 |
| Conector 6p femea | 4806 267 47067 |

E

1. Remoción del Painei Frontal

- Remova los rejillas de los altavoces, derecho y izquierdo, dislocando sus trabas. Después de remover los tornillos, tire el panel frontal hacia fuera (fig. 1).

2. Remoción de la Tela de Vidrio

- Remova la tela de vidrio después de tirar las cuatro trabas.

3. Remoción del Chasis

- Remova la tapa trasera tirando los tornillos. Ahora desligue los conectores de los altavoces. Remova el panel de conexiones destravandolo en el lado derecho.
- El chasis podrá ser removido soltando las trabas en el soporte.

4. Reparos en los Módulos de Crominancia y Sincronismo

- El acceso a los módulos debrá ser hecho a traves de una extensión con conectores como siegue:

| | |
|------------------------------|----------------|
| Conector 8p macho | 4806 404 67122 |
| Conector 8p hembra | 4806 267 47068 |
| Conector 6p macho | 4806 404 67123 |
| Conector 6p hembra | 4806 267 47067 |

GB

1. Remotion of the Front Panel

- Remove the loudspeaker grille, left and right. After removing the four screws, the front panel can be removed from the front (fig. 1).

2. Remotion of the Glass Plate

- Remove the glass plate after removing the four clamps.

3. Remotion of the Main Chassis

- After removing the screws, remove the back cover disconnecting the loudspeaker plugs.
- Remove the connections panel through the righ lock.
- The chassis is removed after removing the fixing locks.

4. Servicing in the Chrominance and Sync Modules

- The attainability the modules can be done through of an extention with connectors, as follow:

| | |
|-------------------------------|----------------|
| Connector 8p male | 4806 404 67122 |
| Connector 8p female | 4806 267 47068 |
| Connector 6p male | 4806 404 67123 |
| Connector 6p female | 4806 267 47067 |

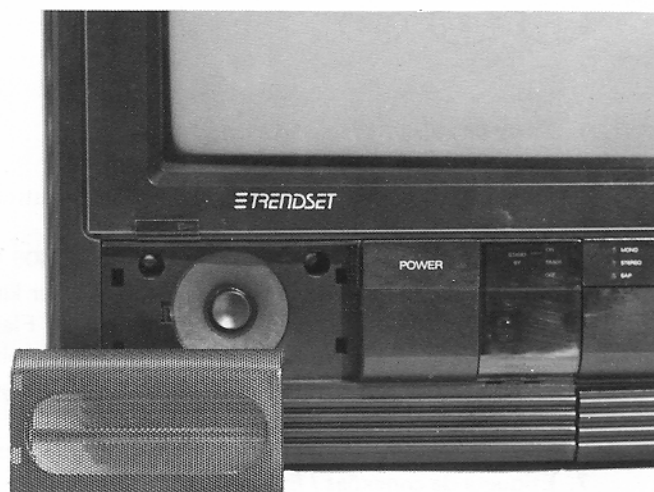
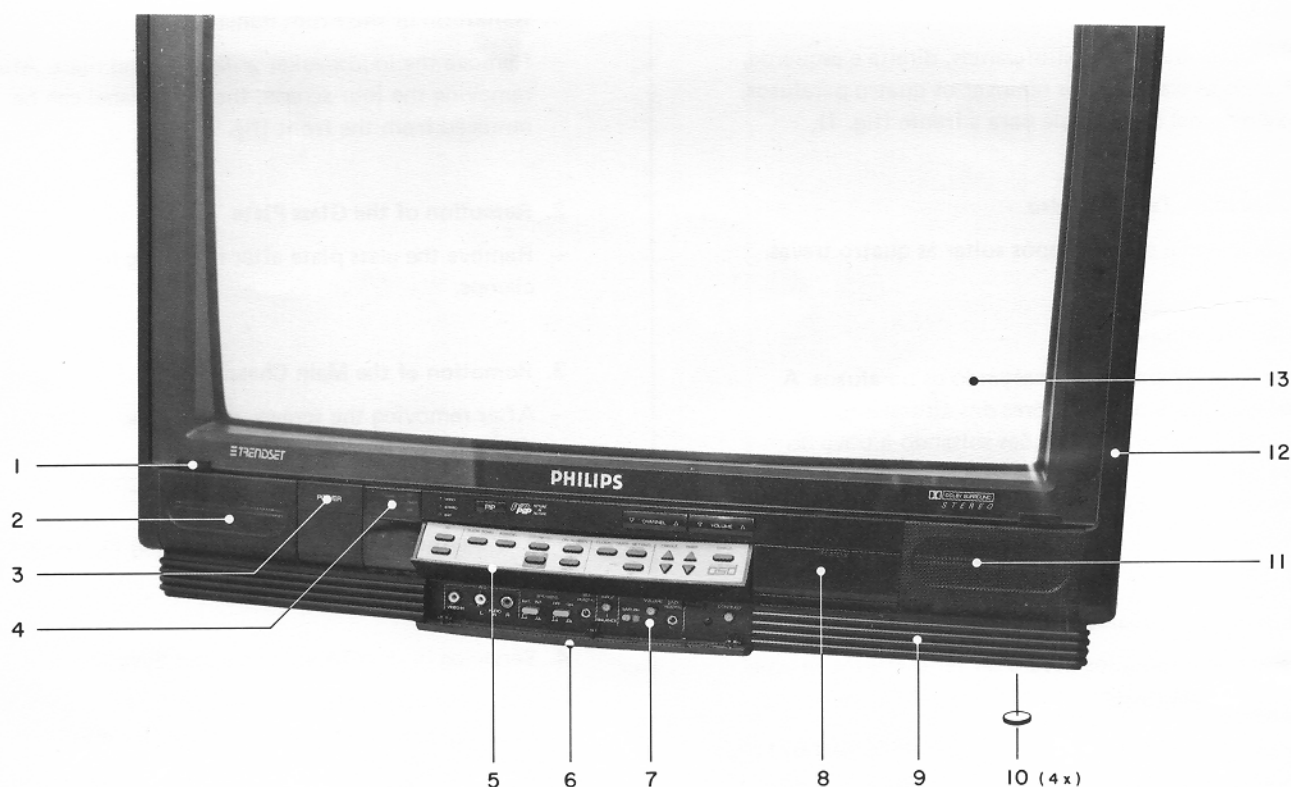


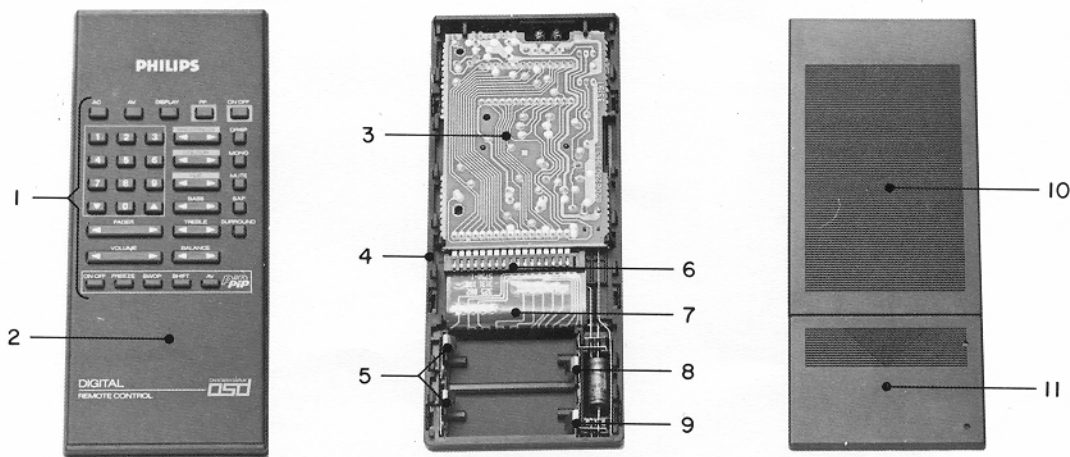
FIG. 1



(P) (E) (GB)

4806...

| | |
|--|------------|
| 1. Trava do vidro / Traba del vidrio / Glass lock | .417 17085 |
| 2. Grade direita / Rejilla derecha / Right grid | .432 17118 |
| 3. Tecla "Power" / Tecla "Power" / Power push-button | .410 27403 |
| 4. Lente infrared / Lente infrarojo / Infrared lens | .381 17074 |
| 5. Conjunto teclado U606 / Conjunto teclado / U606 / Keyboard assy U606 | .212 27284 |
| Teclado de borracha / Teclado de goma / Rubber keyboard | .410 97009 |
| Placa impressa flexível / Placa impresa flexible / Flexible PC board | .466 17272 |
| Pino de articulação / Pino de articulación / Hinge pin | .417 17086 |
| Mola de articulação / Resorte de articulación / Hinge resorte | .492 17003 |
| Trava / Traba / Lock | .404 37247 |
| 6. Porta de conexões / Puerta de conexiones / Connections door | .432 97096 |
| 7. Etiqueta de conexões / Etiqueta de conexiones / Connections label | .466 67116 |
| 8. Tampa gaveta "RC Store" / Tapa de la gaveta "RC Store" / Drawer door RC Store | .432 47011 |
| Gaveta / Gaveta / Drawer | .432 47013 |
| Trilho da gaveta / Trillo de la gaveta / Drawer track | .404 37070 |
| Mola trava da gaveta / Resorte traba de la gaveta / Drawer spring lock | .492 17001 |
| Suporte unidade hidráulica / Soporte unidad hidraulica / Hydraulic unit bracket | .404 37246 |
| Mola de tensão da gaveta / Resorte de tensión de la gaveta / Tensión spring for drawer | .492 17001 |
| Unidade hidráulica / Unidad hidraulica / Hydraulic unit | .691 17012 |
| 9. Conjunto unidade de controle / Conjunto unidad de control / Control unit assy | .432 17159 |
| 10. Pé / Pie / Foot | .462 47032 |
| 11. Grade esquerda / Rejilla izquierda / Left grid | .432 17117 |
| 12. Máscara / Máscara / Mask | .432 17157 |
| 13. Tela de vidro / Pantalla de vidrio / Glass plate | .450 47011 |



(P) (E) (GB)

4806 ...

| | |
|---|------------|
| 1. Teclado / Teclado / Keyboard | .410 27415 |
| 2. Tampa superior / Tampa superior / Top cover | .432 37068 |
| 3. Painel completo / Panel completo / Panel assy. | .212 27204 |
| 4. Caixa / Caja / Cabinet | .432 37046 |
| 5. Contato de pilhas / Contacto de pilas / Battery contact | .290 87084 |
| 6. Conector / Conector / Connector | .267 47082 |
| 7. Painel chaves / Panel llaves / Switch panel | .212 27205 |
| 8. Contato de pilhas / Contacto de pilas / Battery contact | .290 87085 |
| 9. Contato de pilhas / Contacto de pilas / Battery contact | .290 87087 |
| 10. Tampa inferior / Tapa inferior / Lower cover | .432 37047 |
| 11. Tampa pilhas / Tapa pilas / Battery cover | .432 37048 |
| Transmissor completo / Transmisor completo / Transmitter assy (/78z Brazil) | .212 27279 |
| Transmissor completo / Transmisor completo / Transmitter assy (only exp) | .212 27297 |

- Para partes elétricas veja Manual de Serviço CHASSIS CTO-L Dolby Surround
- Para partes eléctricas vease el Manual de Servicio CHASSIS CTO-L Dolby Surround
- For electrical parts see the Service Manual CHASSIS CTO-L Dolby Surround

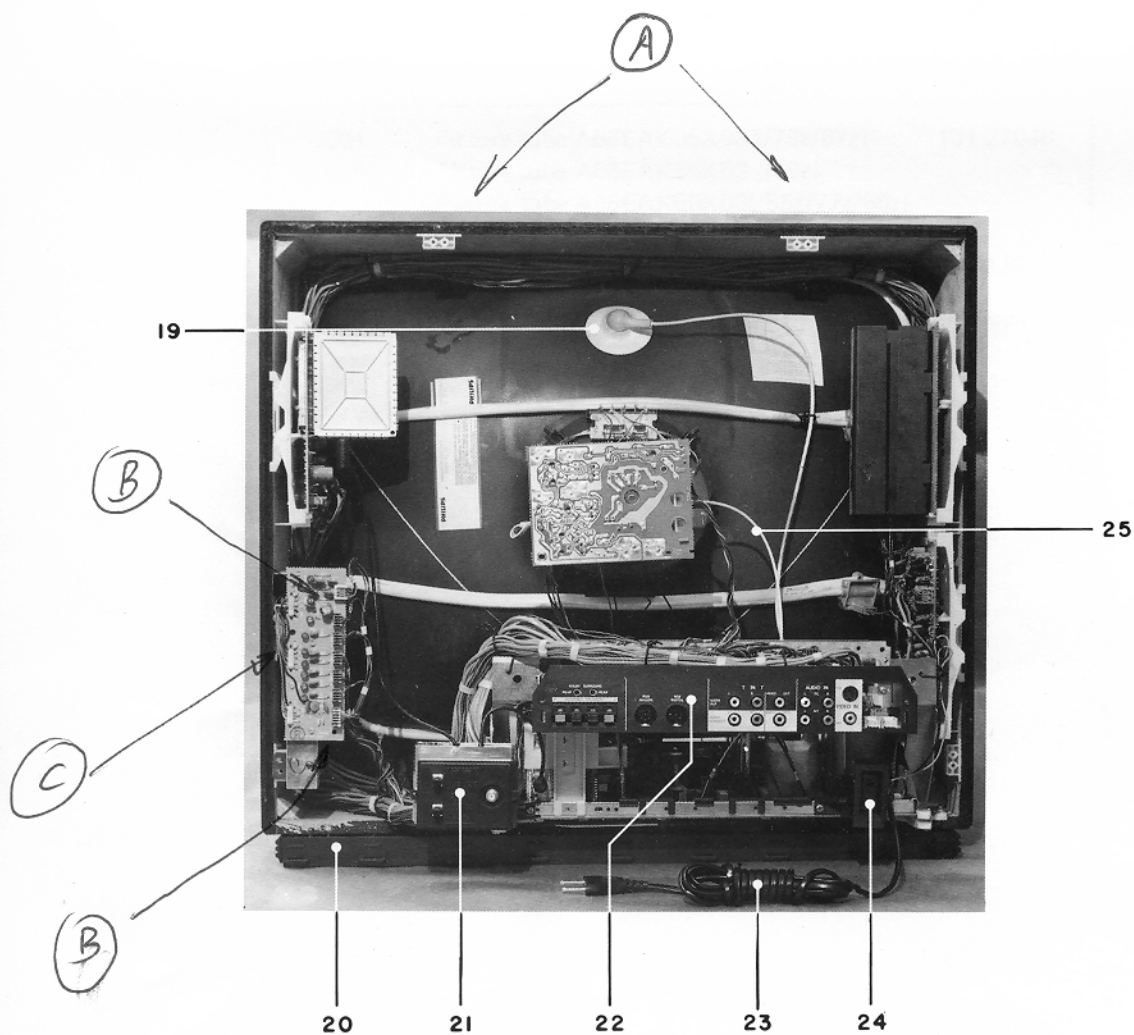


FIGURE I

(P) (E) (GB)

4806...

| | |
|---|-----------|
| 19. Cabo de M.A.T. / Cable de M.A.T. / E.H.T. cable. | 320 27015 |
| 20. Base do gabinete / Base del gabinete / Plinth. | 432 97095 |
| 21. Tomada de antena / Toma de antena / Aerial input | 212 27199 |
| 22. Placa "Rear Vivo" / Placa "Rear Vivo" / Rear Vivo plate | 454 47062 |
| 23. Cabo de rede / Cable de red / Mains flex (/78z Brazil). | 321 17029 |
| Cabo de rede / Cable de red / Mains flex (Export) | 321 17019 |
| 24. Soquete de rede / Zócalo de red / Mains socket | 267 37082 |
| 25. Cabo de foco / Cable de foco / Focus cable | 320 27014 |

14

15

16

17 (10 x)

18

P E GB

4806 ...

| | |
|---|-----------|
| 14. Tampa "flap" / Tapa "flap" / Flap cover | 432 97116 |
| 15. Grade / Rejilla / Grid | 432 17158 |
| Suporte alto falante / Soporte altavoz / Loudspeaker bracket. | 404 37282 |
| Dobradiça / Bisagra / Hinge | 417 17094 |
| Parafuso 2,9 x 9,5 / Tornillo 2,9 x 9,5 / Screw 2,9 x 9,5 | 502 37042 |
| Arruela 3,9 x 9,5 / Arandela 3,9 x 9,5 / Washer 3,9 x 9,5 | 532 17106 |
| 16. Tampa traseira / Respaldo / Back cover | 438 17038 |
| 17. Parafuso 3,5 x 16 / Tornillo 3,5 x 16 / Screw 3,5 x 16 | 502 37151 |
| 18. Gabinete / Gabinete / Cabinet | 431 37021 |

VARIOUS

4806 . . .

| | | |
|-----------------|--|-----------|
| U001 | Picture tube A66EAK65X03 (/78z/87z) Picture tube A66EAK55X03 (/58z) Picture tube A66EAK60X03(/55z/77z/88z) | 131 27048 |
| U013 | Degaussing coil | 150 17041 |
| U604 | Infrared receiver | 212 27202 |
| U605 | Mains switch | 276 17063 |
| S401/2 | Loudspeaker | 240 27025 |
| S601/2 | Tweeter | 240 37019 |
| Headphone | EM 8300/01 | 691 17015 |
| Loudspeaker box | (Surround) | 694 17001 |
| Video cable | | 321 27086 |
| Audio cable | | 321 27085 |
| Battery | 1,5V | 138 17005 |