CONTROL PACK

PAC-S10

CONTROL PAD

CPD-S1

PAC-S10 AND CPD-S1 HAVE THE FOLLOWING:

<table>
<thead>
<tr>
<th>Type</th>
<th>Power Requirement</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZU</td>
<td>DC power supplied from other system component.</td>
<td></td>
</tr>
</tbody>
</table>

- This manual is applicable to PAC-S10/ZU and CPD-S1/ZU.
- These products are optional products for LaserActive CLD-A100.
- Control Pad CPD-S1 is supplied for service as part No. DXX2111.

WARNING

Lead in solders used in this product is listed by the California Health and Welfare agency as a known reproductive toxin which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25248.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering, do not inhale any smoke or fumes produced.

CONTENTS

1. PAC-S10 EXPLODED VIEWS AND PARTS LIST ... 2
2. PACKING AND PARTS LIST ..................... 3
3. PAC-S10 BLOCK DIAGRAM ..................... 4
4. PANEL FACILITIES ........................... 5
5. SPECIFICATIONS ............................. 5

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1780, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 300 Allstate Parkway Markham, Ontario L3R OP2 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY LTD. 176-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: (03) 580-9911
© PIONEER ELECTRONIC CORPORATION 1993
1. PAC-S10 EXPLODED VIEWS AND PARTS LIST

NOTES:
• Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
• The ▲ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
• Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

<table>
<thead>
<tr>
<th>Mark No.</th>
<th>Description</th>
<th>Parts No.</th>
<th>Mark No.</th>
<th>Description</th>
<th>Parts No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bonnet</td>
<td>DN1210</td>
<td>15</td>
<td>SDSUB ASSY</td>
<td>DWG1366</td>
</tr>
<tr>
<td>2</td>
<td>LH screw</td>
<td>Z39-023</td>
<td>16</td>
<td>Screw</td>
<td>BPZ20P120FMC</td>
</tr>
<tr>
<td>3</td>
<td>Screw</td>
<td>PMZ26P100FMC</td>
<td>NSP 17</td>
<td>Chassis</td>
<td>DNA1128</td>
</tr>
<tr>
<td>4</td>
<td>Rear panel S</td>
<td>DNC1329</td>
<td>18</td>
<td>Screw</td>
<td>DBA1070</td>
</tr>
<tr>
<td>5</td>
<td>Screw</td>
<td>BBZ26P006FMC</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>SD SUB ASSY</td>
<td>DWG1365</td>
<td>20</td>
<td>Active badge</td>
<td>DAM1059</td>
</tr>
<tr>
<td>7</td>
<td>SMAIN ASSY</td>
<td>DWG1390</td>
<td>21</td>
<td>Front panel S ASSY</td>
<td>DXX2127</td>
</tr>
<tr>
<td>8</td>
<td>Screw</td>
<td>BPZ20P060FMC</td>
<td>22</td>
<td>S seal (ZL)</td>
<td>DRW1499</td>
</tr>
<tr>
<td>9</td>
<td>Guide S</td>
<td>DNK1275</td>
<td>23</td>
<td>C seal S</td>
<td>DRW1541</td>
</tr>
<tr>
<td>10</td>
<td>Door spring</td>
<td>DBH1233</td>
<td>24</td>
<td>C seal</td>
<td>DRW1543</td>
</tr>
<tr>
<td>11</td>
<td>Lock plate S</td>
<td>DNK1274</td>
<td>25</td>
<td>S door seal</td>
<td>DRW1498</td>
</tr>
<tr>
<td>12</td>
<td>Lock plate spring</td>
<td>DBH1232</td>
<td>26</td>
<td>Connector cap</td>
<td>DNK2821</td>
</tr>
<tr>
<td>NSP</td>
<td>Front panel S</td>
<td>DNK1248</td>
<td>NSP 27</td>
<td>Cord stopper</td>
<td>Z09-061</td>
</tr>
<tr>
<td>14</td>
<td>Door</td>
<td>DNK12750</td>
<td>NSP 28</td>
<td>65 label</td>
<td>ORW1069</td>
</tr>
</tbody>
</table>

Note: SSUB, SMAIN and SD SUB assemblies are replaced as assembly.

NOTE: Screws adjacent to ▼ mark on product are used for disassembly.
2. PACKING AND PARTS LIST

NOTES:
- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The △ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "(*)" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

<table>
<thead>
<tr>
<th>Mark No.</th>
<th>Description</th>
<th>Parts No.</th>
<th>Mark No.</th>
<th>Description</th>
<th>Parts No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Control pad S (CPD—SI)</td>
<td>DXX2111</td>
<td>6</td>
<td>Polyethylene bag</td>
<td>DHL1077</td>
</tr>
<tr>
<td>2</td>
<td>Packing (for CPD—SI)</td>
<td>DHF1033</td>
<td>7</td>
<td>Operating instructions S (English)</td>
<td>DRB1143</td>
</tr>
<tr>
<td>3</td>
<td>Mirror mat bag</td>
<td>DHL1081</td>
<td>8</td>
<td>Packing case S</td>
<td>DHG1514</td>
</tr>
<tr>
<td>4</td>
<td>Under pad</td>
<td>DHA1238</td>
<td>9</td>
<td>Master case S (for 5 sets)</td>
<td>DHG1532</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td>NSP</td>
<td>Warranty card</td>
<td>ARY1044</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NSP</td>
<td>Caution (ZU)</td>
<td>DRM1138</td>
</tr>
</tbody>
</table>

Note: Control pad S (CPD—SI) has no service part.
3. PAC-S10 BLOCK DIAGRAM

D.P. - DATA PROCESSOR

SDSUB Ass'y
CPD-S1

R.G.B. OUTPUT
FM AUDIO OUTPUT

MEGA DRIVE
D.P. IC6

V. RAM
IC7, B

CPU
IC1

256K RAM
IC2, 3

BIOS
IC23

FM AUDIO
D.P.
IC4

64K RAM
IC5

50MHz
CLOCK

CD FORMAT INTERFACE

SMAIN Ass'y
SSUB Ass'y

PCM AUDIO

PCM AUDIO
D.P.
IC15

DAC
IC33

256K RAM
IC14, 21

CLOCK

CD-ROM DECODER
IC32

CPU
IC13

Backup RAM
IC22

64K RAM
IC17, 18

V sync, C sync

LD AFM ATT DATA

LD FORMAT INTERFACE

IC36

PRG. RAM
IC24-27

LD-ROM D.P.

LD-VIDEO D.P.
LD-ROM
LD-ROM GAME
PRG. RAM

CD-ROM GAME
LD-ROM GAME

CLD-A100
4. PANEL FACILITIES

**CONTROL PACK**

- For how to install/remove the Control Pack, see the operating instructions of the CD-CDV LD player compatible with LaserActive.

![Installation diagram of Control Pack](image)

1. Turn off the CD-CDV LD player compatible with LaserActive.
2. Remove the controller cap on the rear of the Control Pack.
3. While pressing down on the CD-CDV LD player compatible with LaserActive with your hand, attach the Control Pack, making sure it is securely installed.

**CONTROL PAD**

- Using this pad and by operating the control system, the performance of LD and CD playback is possible.
- Use for controlling games. The use of each button differs according to the game. Here, the names and typical functions of the keys are explained.

![Control Pad diagram](image)

- **MODE button**
  - Changes the Operation screen of other functions or CD-G on or off.
- **Y button**
  - Changes the Operation screen of basic functions or CD-G on or off.
- **Z button**
  - Changes the Operation screen of basic functions or CD-G on or off.
- **B/MAIN button**
  - Changes the Operation screen of basic functions or CD-G on or off.
- **A/ENTER button**
  - Changes the Operation screen of basic functions or CD-G on or off.

**NOTE**

- To install accurately, tightly place one hand on top of the player and with the other hand carefully insert the Control Pack until the front panel is flush with the front panel of the player.
- Do not throw away the connector cap. When the Control Pack is removed from the CD-CDV LD player compatible with LaserActive for storage, make sure the connector cap is inserted before storing the Control Pack.

5. SPECIFICATIONS

**Input/output terminal:**
- Cartridge terminal (exclusive for GENESIS)
- Control Pad terminal
- LaserActive terminal

**Available software:**
- MEGA LD (30 cm, 20 cm)
- SEGAG CD
- Cartridge (for GENESIS)
- LaserDisc (30 cm, 20 cm)
- CD VIDEO LD with TOC (30 cm, 20 cm)
- Compact Disc (12 cm, 8 cm)
- CD VIDEO SINGLE (12 cm)
- CD-G (CD graphics)

Depending on the type of repair, the data saved in the internal backup RAM may be lost. As the contents of the lost data cannot be secured, please take proper steps beforehand to ensure that data are not lost.