

# Pioneer

## Service Manual

ORDER NO.  
**RRV4352**

AV RECEIVER

# SC-LX86

## SC-LX76

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

| Model   | Type  | Power Requirement | Remarks |
|---------|-------|-------------------|---------|
| SC-LX86 | SYXJ8 | AC 220 V to 230 V |         |
| SC-LX76 | SYXJ8 | AC 220 V to 230 V |         |

This service manual should be used together with the following manual(s).

| Model No.   | Order No. | Remarks |
|-------------|-----------|---------|
| SC-68/UXJCB | RRV4325   |         |

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

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# 1. CONTRAST OF MISCELLANEOUS PARTS

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.

● Screws adjacent to  mark on product are used for disassembly.

● For the applying amount of lubricants or glue, follow the instructions in this manual.

(In the case of no amount instructions, apply as you think it appropriate.)

● Nos. indicate the pages and Nos. in the service manual for the base model.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560Ω → 56 x 10<sup>1</sup> → 561 ..... RD1/4PU561J

47kΩ → 47 x 10<sup>3</sup> → 473 ..... RD1/4PU473J

0.5Ω → R50 ..... RN2H50K

1Ω → 1R0 ..... RS1P1R0K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562 x 10<sup>1</sup> → 5621 ..... RN1/4PC5621F

## CONTRAST TABLE

SC-68/UXJCB, SC-LX86/SYXJ8 and SC-LX76/SYXJ8 are constructed the same except for the following:

| Mark | No.                                                                                | Symbol and Description       | SC-68/UXJCB | SC-LX86/SYXJ8 | SC-LX76/SYXJ8 | Remarks |
|------|------------------------------------------------------------------------------------|------------------------------|-------------|---------------|---------------|---------|
| C    | <b>PCB ASSEMBLIES</b>                                                              |                              |             |               |               |         |
|      | NSP                                                                                | 1..INTERFACE REG ASSY        | AWR7150     | AWR7168       | AWR7169       |         |
|      | P79-3                                                                              | 2..IR REG ASSY               | AWX1173     | AWX1324       | AWX1304       |         |
|      | P79-4                                                                              | 2..B DIODE ASSY              | AWX1174     | AWX1321       | AWX1321       |         |
|      | P81-8                                                                              | 2..PRIMARY SHIELD ASSY       | Not used    | Not used      | AWX1175       |         |
|      | P83-4                                                                              | 2..INTERFACE ASSY            | AWX1172     | AWX1313       | AWX1313       |         |
|      | P83-5                                                                              | 2..A REG BRIDGE ASSY         | AWX1178     | AWX1312       | AWX1312       |         |
|      | NSP                                                                                | 1..REG BRIDGE ASSY           | AWR7151     | AWR7152       | AWR7173       |         |
|      | P79-5                                                                              | 2..DISPLAY BRIDGE ASSY       | AWX1182     | AWX1319       | AWX1319       |         |
|      | P81-9                                                                              | 2..MULTI CH IN ASSY          | AWX1184     | AWX1191       | Not used      |         |
| D    | P81-10                                                                             | 2..MCH BRIDGE ASSY           | AWX1185     | AWX1185       | Not used      |         |
|      | P81-11                                                                             | 2..CONNECT ASSY              | AWX1187     | AWX1325       | AWX1314       |         |
|      | P83-7                                                                              | 2..REG ASSY                  | AWX1180     | AWX1315       | AWX1315       |         |
|      | P83-9                                                                              | 2..FB-CONNECT ASSY           | AWX1186     | AWX1320       | AWX1320       |         |
|      | NSP                                                                                | 1..PRIM DISPLAY ASSY         | AWM8300     | AWM8301       | AWM8301       |         |
|      | P81-1                                                                              | 2..PRIMARY ASSY              | AWX1142     | AWX1143       | AWX1143       |         |
|      | P85-1                                                                              | 2..DISPLAY ASSY              | AWX1133     | AWX1206       | AWX1206       |         |
|      | P85-4                                                                              | 2..MIC HP ASSY               | AWX1149     | AWX1299       | AWX1299       |         |
|      | NSP                                                                                | 1..AUDIO COMPOSITE ASSY      | AWR7141     | AWR7142       | AWR7145       |         |
|      | P81-2                                                                              | 2..AUDIO ASSY                | AWX1119     | AWX1120       | AWX1123       |         |
| E    | P81-3                                                                              | 2..COMPOSITE ASSY            | AWX1125     | AWX1317       | AWX1318       |         |
|      | P81-12                                                                             | 1..USB DAC ASSY              | AWX1097     | AWX1257       | Not used      |         |
|      | P81-13                                                                             | 1..DAC HIGH ASSY             | AWX1104     | AWX1253       | AWX1254       |         |
|      | P81-14                                                                             | 1..COMPONENT ASSY            | AWX1106     | AWX1288       | AWX1108       |         |
|      | P81-15                                                                             | 1..DIGITAL MAIN ASSY         | AWX9904     | AWX1261       | AWX1265       |         |
|      | NSP                                                                                | 1..D AMP ASSY                | AWH7052     | AWH7053       | AWH7057       |         |
|      | P83-1                                                                              | 2..D AMP ASSY                | AWX1214     | AWX1215       | AWX1219       |         |
|      | NSP                                                                                | 1..IR BUFFER ASSY            | AWM8307     | AWM8314       | AWM8307       |         |
|      | P83-2                                                                              | 2..IR BUFFER ASSY            | AWX1170     | AWX1323       | AWX1170       |         |
|      | P85-6                                                                              | 1..FRONT HDMI USB ASSY       | AWX1111     | AWX1291       | AWX1291       |         |
| F    | <b>PACKING SECTION</b>                                                             |                              |             |               |               |         |
|      |  | P77-4 AC Power Cord          | ADG7118     | ADG7119       | ADG7119       |         |
|      |                                                                                    | P77-7 MCACC Setup Microphone | APM7009     | APM7009       | APM7010       |         |

(1) REAR SECTION PARTS LIST

| Mark No. | Description         | Part No.               | Mark No. | Description             | Part No.               |
|----------|---------------------|------------------------|----------|-------------------------|------------------------|
| 1        | PRIMARY ASSY        | AWX1142                | 26       | Push Rivet              | AEC7071                |
| 2        | AUDIO ASSY          | See Contrast table (2) | 27       | Nylon Rivet             | AEC7406                |
| 3        | COMPOSITE ASSY      | See Contrast table (2) | 28       | Locking Spacer          | See Contrast table (2) |
| 4        | D-AUDIO BRIDGE ASSY | AWX1127                | 29       | Insulating Sheet 68     | AEC7659                |
| 5        | D-DAC BRIDGE ASSY   | AWX1128                | 30       | Cushion Circle 14B      | AED7081                |
| 6        | A-DAC BRIDGE ASSY   | AWX1129                | NSP 31   | Serial Label S          | VRW2017                |
| 7        | PRE BRIDGE ASSY     | AWX1177                | 32       | Screw                   | ABA1011                |
| 8        | PRIMARY SHIELD ASSY | See Contrast table (2) | 33       | Screw 3 x 6             | ABA1207                |
| 9        | MULTI CH IN ASSY    | See Contrast table (2) | 34       | Terminal Screw          | AKE-031                |
| 10       | MCH BRIDGE ASSY     | See Contrast table (2) | 35       | Screw                   | BBZ30P060FCC           |
| 11       | CONNECT ASSY        | AWX1187                | 36       | Screw                   | BMZ30P040FTB           |
| 12       | USB DAC ASSY        | See Contrast table (2) | 37       | Screw                   | BPZ30P080FTB           |
| 13       | DAC HIGH ASSY       | See Contrast table (2) | 38       | Screw                   | BPZ30P100FTC           |
| 14       | COMPONENT ASSY      | See Contrast table (2) | 39       | Screw                   | CBZ30P080FTB           |
| 15       | DIGITAL MAIN ASSY   | See Contrast table (2) | 40       | Binder (BK-1)           | ZCA-BK1                |
| NSP 16   | VREG GUARD ASSY     | AWX1153                | 41       | Hex head Screw 2.85 x 7 | ABA7078                |
| 17       | AM/FM Tuner Unit    | AXX7282                |          |                         |                        |
| ⚠ 18     | Fuse (FU4 : 2A)     | REK1139                |          |                         |                        |
| ⚠ 19     | Fuse (FU1 : 10A)    | REK1154                |          |                         |                        |
| 20       | 15P FFC (J0007)     | ADD7725                |          |                         |                        |
| 21       | 9P FFC (J0005)      | ADD7781                |          |                         |                        |
| 22       | Rear Panel          | See Contrast table (2) |          |                         |                        |
| 23       | Right Angle 85      | ANG7687                |          |                         |                        |
| 24       | D MAIN Shield 85    | See Contrast table (2) |          |                         |                        |
| NSP 25   | PCB Spacer          | AEC1084                |          |                         |                        |

(2) CONTRAST TABLE

SC-68/UXJCB and SC-67/UXJCB are constructed the same except for the following:

| Mark | No. | Symbol and Description | SC-68/<br>UXJCB | SC-67/<br>UXJCB |
|------|-----|------------------------|-----------------|-----------------|
|      | 2   | AUDIO ASSY             | AWX1119         | AWX1122         |
|      | 3   | COMPOSITE ASSY         | AWX1125         | AWX1126         |
|      | 8   | PRIMARY SHIELD ASSY    | Not used        | AWX1175         |
|      | 9   | MULTI CH IN ASSY       | AWX1184         | Not used        |
|      | 10  | MCH BRIDGE ASSY        | AWX1185         | Not used        |
|      | 12  | USB DAC ASSY           | AWX1097         | Not used        |
|      | 13  | DAC HIGH ASSY          | AWX1104         | AWX1109         |
|      | 14  | COMPONENT ASSY         | AWX1106         | AWX1107         |
|      | 15  | DIGITAL MAIN ASSY      | AWX9904         | AWX1198         |
|      | 22  | Rear Panel             | ANC8643         | ANC8649         |
|      | 24  | D MAIN Shield 85       | ANK7162         | Not used        |
|      | 28  | Locking Spacer         | AEC7643         | Not used        |



## 9.3 REAR SECTION

