



**XC-37M**

U

# SERVICE MANUAL

---

COMPACT DISC PLAYER

BASIC CD MECHANISM : 6ZG-1 SRTDM

---

- Replace this Service Manual with "Revision Publishing" when it is issued.

**aiwa**

S/M Code No. 09-004-430-4T1

SIMPLE

DATA

# ELECTRICAL MAIN PARTS LIST - 1/2

NOTE: The characters in the suffix column indicate the part usage.

| REF.NO | PARTS NO.      | DESCRIPTION             | SUFFIX                |
|--------|----------------|-------------------------|-----------------------|
| U      | .....XX.....   | KANRI                   | A.....                |
|        |                | NO.                     |                       |
|        | 88-906-351-110 | FF-CABLE,6P 1.25        | A.....                |
|        | 88-907-251-210 | FF-CABLE,7P 1.25 250MM  | A.....                |
|        | 88-916-241-210 | FF-CABLE,16P 1.25 240MM | A.....                |
| PT     | 301            | 87-AMB-607-010          | PT,7AM-B U            |
| C      | 202            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 203            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 206            | 87-010-197-080          | CAP,CHIP 0.01 DM      |
| C      | 201            | 87-010-263-080          | CAP,ELECT 100-10V     |
| C      | 208            | 87-010-494-040          | CAP,E 1-50 GAS        |
| C      | 209            | 87-010-496-040          | CAP,E 3.3-50 GAS      |
| C      | 204            | 87-010-553-040          | CAP,E 47-16 GAS       |
| C      | 205            | 87-010-553-040          | CAP,E 47-16 GAS       |
| C      | 207            | 87-012-140-080          | CAP,470P              |
| CN     | 202            | 87-099-033-010          | CONN,16P 6216 H       |
| CN     | 201            | 87-099-200-010          | CONN,7P 6216 H        |
| D      | 201            | 87-020-465-080          | DIODE,1SS133          |
| IC     | 202            | 87-NF8-614-010          | IC,SPS-442-1-W        |
| IC     | 201            | 8A-AM1-605-010          | C-IC,LC866440W-XXXX   |
| L      | 201            | 87-003-102-080          | COIL,10UH             |
| Q      | 201            | 87-026-235-080          | C-TR,DTC114EK         |
| Q      | 202            | 89-327-125-080          | C-TR,2SC2712GR        |
| X      | 201            | 87-008-394-080          | CERAMIC FILTER        |
| CN     | 501            | 88-803-031-050          | CONN ASSY,3P 100MM    |
| FL     | 501            | 86-VMB-601-010          | FL,25U48101TA         |
| LED    | 503            | 87-017-785-080          | LED,SEL4214S          |
| LED    | 504            | 87-017-785-080          | LED,SEL4214S          |
| LED    | 501            | 87-017-785-080          | LED,SEL4214S          |
| LED    | 502            | 87-017-785-080          | LED,SEL4214S          |
| LED    | 505            | 87-017-785-080          | LED,SEL4214S          |
| LED    | 507            | 87-A40-380-180          | LED,SEL6510C-TP5 GRN  |
| LED    | 509            | 87-A40-380-180          | LED,SEL6510C-TP5 GRN  |
| LED    | 508            | 87-A40-380-180          | LED,SEL6510C-TP5 GRN  |
| LED    | 506            | 87-A40-380-180          | LED,SEL6510C-TP5 GRN  |
| LED    | 510            | 87-A40-380-180          | LED,SEL6510C-TP5 GRN  |
| Q      | 506            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 507            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 502            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 508            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 504            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 509            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 501            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 505            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 503            | 87-026-608-080          | C-TR,DTC123JK         |
| Q      | 510            | 87-026-608-080          | C-TR,DTC123JK         |
| R      | 541            | 87-022-355-080          | C-RES,S10K-1/10W F    |
| R      | 543            | 87-022-355-080          | C-RES,S10K-1/10W F    |
| R      | 542            | 87-022-355-080          | C-RES,S10K-1/10W F    |
| SW     | 519            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 517            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 513            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 518            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 515            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 514            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 516            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 512            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 526            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 525            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 520            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 522            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 527            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 524            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 523            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 521            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
| SW     | 528            | 87-A90-095-080          | SW,TACT EVQ11G04M     |
|        | 82-304-743-010 | TERMINAL,1P             | A.....                |
|        | 82-304-743-010 | TERMINAL,1P             | A.....                |
| C      | 308            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 307            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 303            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 302            | 87-010-196-080          | CHIP CAPACITOR,0.1-25 |
| C      | 306            | 87-010-236-080          | CAP,E 1000-10 SME     |
| C      | 309            | 87-010-263-080          | CAP,ELECT 100-10V     |
| C      | 305            | 87-010-322-080          | C-CAP,S 100P-50 CH    |
| C      | 304            | 87-010-805-080          | CAP,S 1-16            |
| C      | 301            | 87-010-878-090          | CAP,E6800-16          |
| C      | 310            | 87-010-197-080          | CAP,CHIP 0.01 DM      |
| C      | 311            | 87-010-805-080          | CAP,S 1-16            |
| C      | 322            | 87-010-178-080          | CHIP CAP,1000P        |
| C      | 321            | 87-010-247-080          | CAP,ELECT 100-50V     |
| C      | 323            | 87-010-247-080          | CAP,ELECT 100-50V     |
| C      | 324            | 87-010-263-080          | CAP,ELECT 100-10V     |

ELECTRICAL MAIN PARTS LIST - 2/2

|    |     |                |                        |        |
|----|-----|----------------|------------------------|--------|
| C  | 325 | 87-010-405-080 | CAP,ELECT 10-50V       | A..... |
| C  | 326 | 87-010-405-080 | CAP,ELECT 10-50V       | A..... |
| CN | 303 | 87-099-199-010 | CONN,6P 6216 H         | A..... |
| CN | 301 | 87-099-200-010 | CONN,7P 6216 H         | A..... |
| D  | 304 | 87-A40-184-090 | DIODE,RK34(F)          | A..... |
| D  | 301 | 87-A40-184-090 | DIODE,RK34(F)          | A..... |
| D  | 303 | 87-A40-184-090 | DIODE,RK34(F)          | A..... |
| D  | 302 | 87-A40-184-090 | DIODE,RK34(F)          | A..... |
| D  | 325 | 87-017-083-080 | ZENER,HZS4C2           | A..... |
| D  | 321 | 87-A40-189-080 | DIODE,1SR139-400       | A..... |
| D  | 322 | 87-A40-189-080 | DIODE,1SR139-400       | A..... |
| D  | 324 | 87-A40-189-080 | DIODE,1SR139-400       | A..... |
| D  | 323 | 87-A40-189-080 | DIODE,1SR139-400       | A..... |
| F  | 302 | 87-A90-410-080 | FUSE,0.5A 125V 251     | A..... |
| F  | 301 | 87-A90-426-080 | FUSE,3A 125V 251       | A..... |
| IC | 301 | 87-020-903-010 | IC,NJM7805FA           | A..... |
| Q  | 308 | 87-026-608-080 | C-TR,DTC123JK          | A..... |
| Q  | 309 | 87-026-608-080 | C-TR,DTC123JK          | A..... |
| Q  | 303 | 89-111-625-080 | TR,2SA1162             | A..... |
| Q  | 301 | 89-213-702-010 | TR,2SB1370             | A..... |
| Q  | 305 | 89-327-125-080 | C-TR,2SC2712GR         | A..... |
| Q  | 304 | 89-327-125-080 | C-TR,2SC2712GR         | A..... |
| Q  | 322 | 89-111-625-080 | TR,2SA1162             | A..... |
| Q  | 321 | 89-213-302-080 | TR,2SB1330             | A..... |
| CN | 503 | 87-009-345-010 | CONN,2P PH H           | A..... |
| CN | 504 | 88-803-020-840 | CONN ASSY,2P 80MM      | A..... |
| SW | 505 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 507 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 501 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 508 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 503 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 509 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 500 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 502 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 504 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 506 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 510 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| SW | 511 | 87-036-215-080 | TACT SWITCH,EVQ-21404M | A..... |
| C  | 401 | 87-010-178-080 | CHIP CAP,1000P         | A..... |
| C  | 402 | 87-010-178-080 | CHIP CAP,1000P         | A..... |
| C  | 409 | 87-010-178-080 | CHIP CAP,1000P         | A..... |
| C  | 407 | 87-010-197-080 | CAP,CHIP 0.01 DM       | A..... |
| C  | 403 | 87-010-503-040 | CAP,E 220-4 GAS        | A..... |
| C  | 404 | 87-010-503-040 | CAP,E 220-4 GAS        | A..... |
| C  | 408 | 87-010-549-040 | CAP,E 47-6.3 GAS       | A..... |
| C  | 406 | 87-010-549-040 | CAP,E 47-6.3 GAS       | A..... |
| C  | 410 | 87-010-178-080 | CHIP CAP,1000P         | A..... |
| C  | 412 | 87-010-196-080 | CHIP CAPACITOR,0.1-25  | A..... |
| C  | 416 | 87-010-805-080 | CAP,S 1-16             | A..... |
| C  | 415 | 87-010-805-080 | CAP,S 1-16             | A..... |
| CN | 411 | 87-AM1-632-010 | CONN ASSY,7P HP        | A..... |
| CN | 505 | 87-009-346-010 | CONN,3P PH H           | A..... |
| IC | 401 | 87-017-878-080 | IC,TDA1308T            | A..... |
| J  | 401 | 87-099-580-010 | JACK,6.3 ST/SW/4609G   | A..... |
| CN | 401 | 87-AMB-611-010 | CONN ASSY,3P PIN-JACK  | A..... |
| J  | 401 | 87-009-610-010 | JACK PIN 2P H EARH     | A..... |
|    |     | 86-VMB-205-010 | GUIDE,FL               | A..... |
|    |     | 87-067-001-010 | FW,3.1-5.4-1           | A..... |

# MECHANICAL PARTS LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

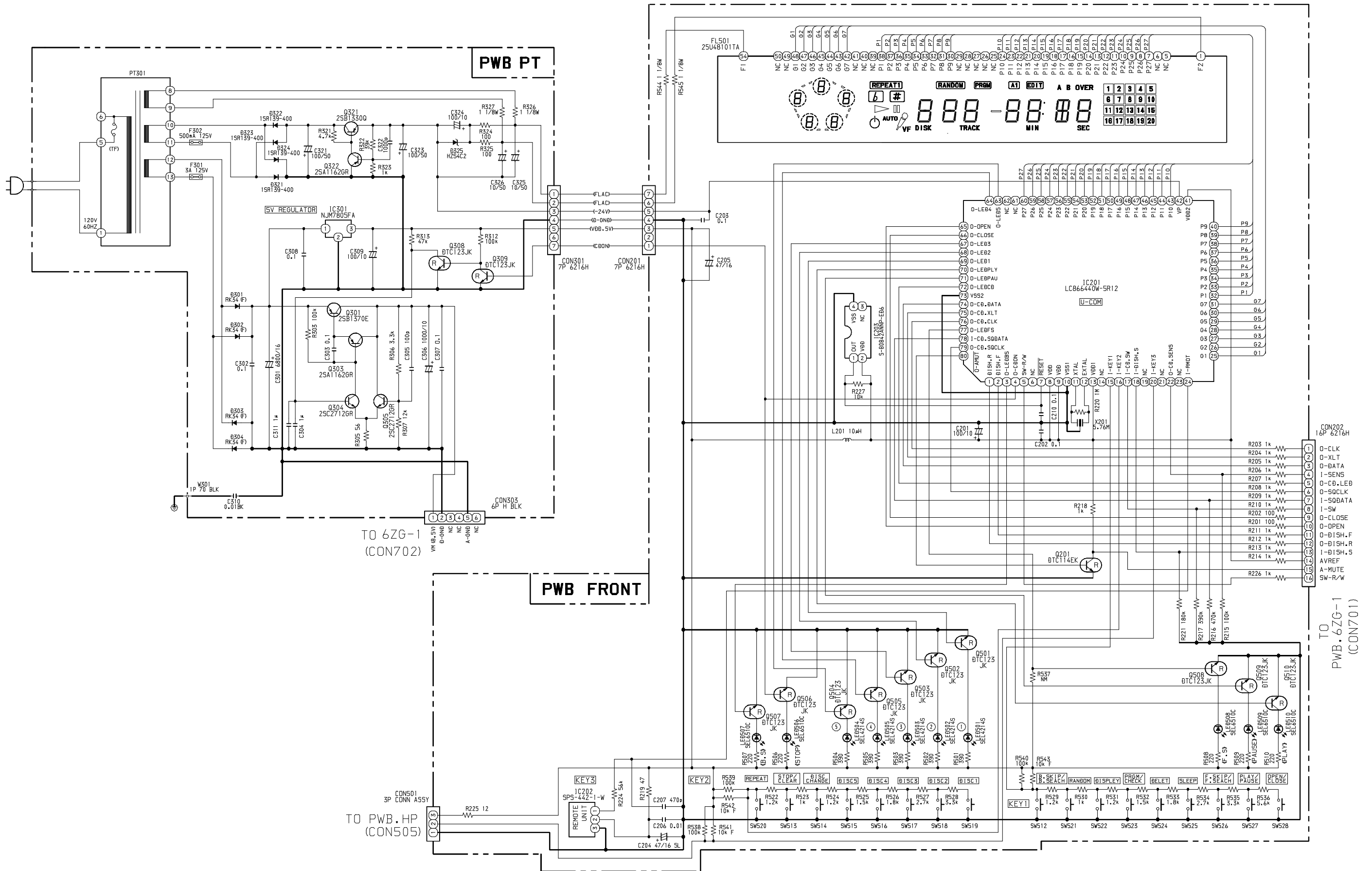
| REF.NO | PARTS NO.      | XX<br>KANRI<br>NO. | DESCRIPTION               | A<br>SUFFIX |
|--------|----------------|--------------------|---------------------------|-------------|
| U      |                |                    |                           | A           |
|        | 82-AA1-029-110 |                    | FOOT (SG)                 | A           |
|        | 87-AM1-003-010 |                    | CABI,STEEL                | A           |
|        | 87-B00-002-010 |                    | BADGE,AIWA 30 ABS SIL     | A           |
|        | 8A-AM1-001-010 |                    | CABI,FR 37U               | A           |
|        | 8A-AM1-002-010 |                    | PANEL,REAR(L) 37UBM       | A           |
|        | 8A-AM1-003-010 |                    | PANEL,REAR(R) 37UBM       | A           |
|        | 87-AM1-007-010 |                    | KEY,PLAY                  | A           |
|        | 87-AM1-008-010 |                    | KEY,PBC                   | A           |
|        | 87-AM1-009-010 |                    | KEY,POWER                 | A           |
|        | 87-AM1-014-010 |                    | REFLECTOR,PLAY            | A           |
|        | 87-AM1-015-010 |                    | REFLECTOR,FF              | A           |
|        | 87-AMB-005-010 |                    | KEY,DISPLAY(U)            | A           |
|        | 87-AMB-006-010 |                    | KEY,DIRECT(U)             | A           |
|        | 8Z-AM1-004-010 |                    | KEY,TEN(35)               | A           |
|        | 87-MAT-009-010 |                    | WINDOW,TOP(U)             | A           |
|        | 8A-AM1-004-010 |                    | PANEL,CD DIR              | A           |
|        | 8Z-AM1-003-010 |                    | PANEL,TRAY(35)            | A           |
|        | 8Z-AM1-005-010 |                    | WINDOW,DISPLAY (SMK)      | A           |
|        | 84-ZG1-245-210 |                    | CAP,OPTICAL               | A           |
|        | 86-VMB-202-010 |                    | HLDR,PT                   | A           |
|        | 86-VMB-206-010 |                    | HLDR,PCB                  | A           |
|        | 87-067-058-010 |                    | FW 3.2-8-1                | A           |
|        | 87-AM1-202-010 |                    | HLDR,CABI                 | A           |
|        | 87-AM1-203-010 |                    | GUIDE,LED                 | A           |
|        | 87-AM1-208-010 |                    | HLDR,SUB                  | A           |
|        | 89-VP5-206-010 |                    | HLDR,IC                   | A           |
|        | 81-MK1-210-010 |                    | S-SCREW,VFT2+3-16         | A           |
|        | 87-067-584-010 |                    | TAPPING SCREW, BVT2+3-6   | A           |
|        | 87-067-585-010 |                    | TAPPING SCREW, BVTT+4-6   | A           |
|        | 87-067-641-010 |                    | UTT2+3-8(W/O SLOT)BL      | A           |
|        | 87-067-703-010 |                    | TAPPING SCREW, BVT2+3-10  | A           |
|        | 87-591-094-410 |                    | TAPPING SCREW, QIT+3-6    | A           |
|        | 87-B10-021-010 |                    | BVT2+3-8W/CONVEX BLK      | A           |
|        | 87-085-189-010 |                    | BUSHING, CORD (U)         | A           |
|        | 87-A80-110-010 |                    | AC CORD ASSY,U SPT-2W     | A           |
|        | 88-906-351-110 |                    | FF-CABLE, 6P 1.25         | A           |
|        | 88-907-251-210 |                    | FF-CABLE, 7P 1.25 250MM R | A           |
|        | 88-916-241-210 |                    | FF-CABLE, 16P 1.25 240MM  | A           |
| PT 301 | 87-AMB-607-010 |                    | PT,7AM-B U                | A           |
|        | 82-304-743-010 |                    | TERMINAL, 1P              | A           |
|        | 86-VMB-205-010 |                    | GUIDE,FL                  | A           |
|        | 87-067-001-010 |                    | FW,3.1-5.4-1              | A           |

# ACCESSORIES / PACKAGE LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

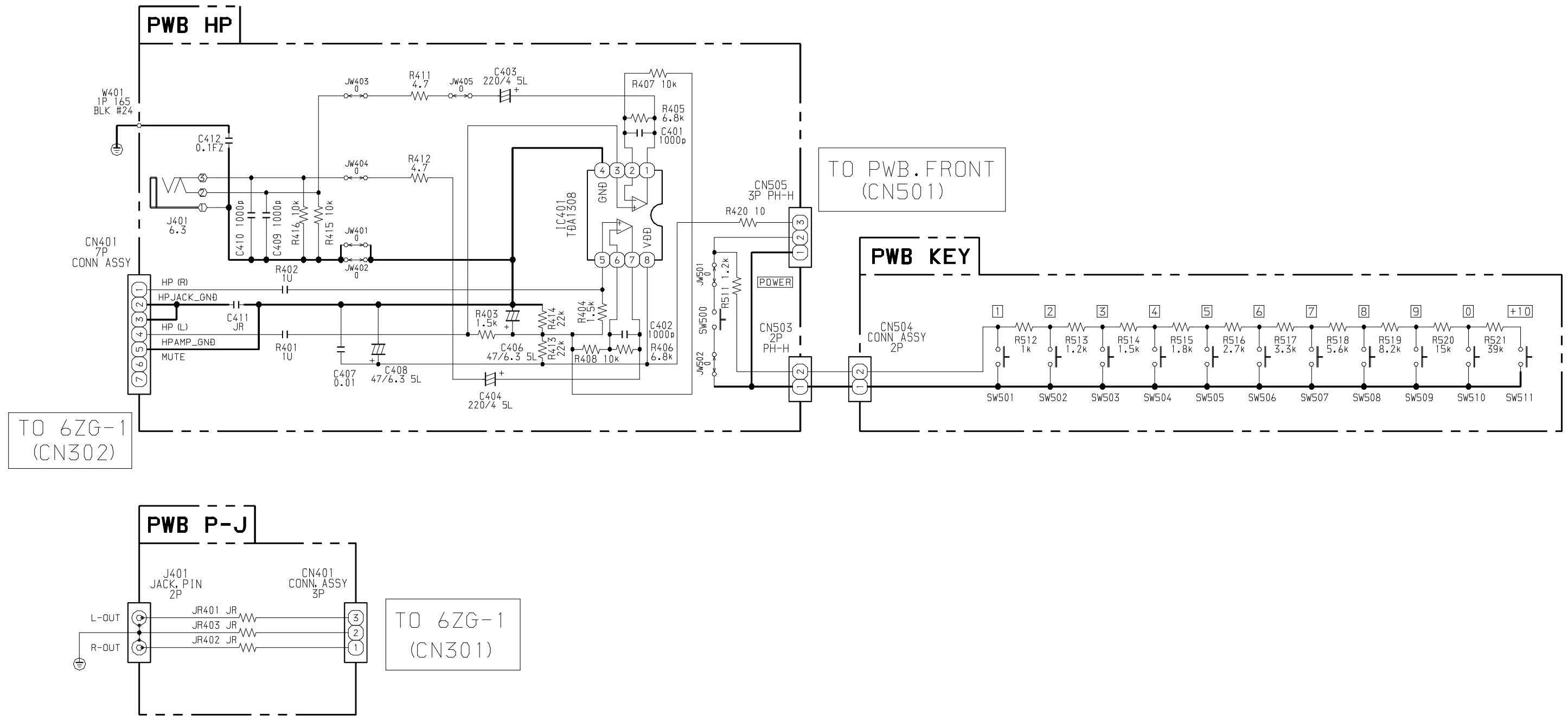
| REF.NO | PARTS NO.      | NO.   | DESCRIPTION         | SUFFIX |
|--------|----------------|-------|---------------------|--------|
|        |                | XX    |                     | A      |
|        |                | KANRI |                     |        |
|        | 8A-AM1-903-010 |       | IB,U(ESF)M          | A      |
|        | 87-A80-032-010 |       | CORD,PIN 2P RED-WHT | A      |
|        | 8A-AM1-951-010 |       | RC UNIT,7AC04(BLK)  | A      |

SCHEMATIC DIAGRAM-1 (FRONT / PT)



T. MASUYAMA  
 CIRCUIT DIAGRAM  
 BA AM1 601 019  
 C0000330  
 XC-37M  
 2000 2 28

SCHEMATIC DIAGRAM - 2 (KEY / HP / PJ)



B-AAM-1H.K.P

T.MASUYAMA  
 CIRCUIT DIAGRM  
 87 AMB 605 019  
 87 AMT 621 219  
 C0000332  
 AAM-1 XC-37M  
 2000 2 28

**アイワ株式会社** 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111