



CSD-A310

LH, HA

SERVICE MANUAL

COMPACT DISC STEREO
RADIO CASSETTE RECORDER

BASIC TAPE MECHANISM : TN-21ZVC-2000
BASIC CD MECHANISM : DA11T3C

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

aiwa

S/M Code No. 09-003-428-2T1

SIMPLE

DATA

ELECTRICAL MAIN PARTS LIST - 1/5

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

[S] LH	.....XX.....	A.....
[D] LH	.....XX.....	B.....
[G] LH	.....XX.....	C.....
HA	.....XX.....	D.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
CN	607	84-722-632-010	CONN,2P H	ABCD.....
CN	605	87-099-417-010	CONN 6P EH H WHT	ABCD.....
LED	607	88-CD6-630-010	LED,934ID RED	ABCD.....
LED	606	88-CD6-630-010	LED,934ID RED	ABCD.....
LED	610	88-CD6-631-010	LED,934GD GRN	ABCD.....
S	608	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	607	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	606	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	609	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	611	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	614	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	615	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
C	605	87-010-263-080	CAP, ELECT 100-10V	ABCD.....
C	601	87-010-313-080	CAP, CHIP 18P	ABCD.....
C	602	87-010-315-080	C-CAP,S 27P-50 CH	ABCD.....
C	604	87-010-317-010	CHIP CAP,S 39P CH	ABCD.....
C	603	87-010-319-080	C-CAP,S 56P-50 CH	ABCD.....
C	609	87-010-400-080	CAP, ELECT 0.47-50V	ABCD.....
C	608	87-010-405-080	CAP, ELECT 10-50V	ABCD.....
C	606	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	ABCD.....
C	607	87-015-819-080	CAPACITOR,0.01	ABCD.....
C	611	87-010-248-080	CAP, ELECT 220-10V	ABCD.....
C	614	87-010-312-080	C-CAP,S 15P-50 CH	ABCD.....
C	613	87-012-368-080	C-CAP,S 0.1-50 F	ABCD.....
CN	601	87-099-033-010	16P 6216 H	ABCD.....
CN	602	87-099-201-010	CONN,8P 6216 H	ABCD.....
CNA	604	8A-CDB-616-010	CONN ASSY,6P KEY FUNCT	ABCD.....
CNA	606	8A-CDB-617-010	CONN ASSY,2P KEY VOL	ABCD.....
D	601	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	608	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	602	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	607	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	606	87-070-345-080	DIODE,IN4148	ABCD.....
IC	601	8A-CD9-610-010	C-IC,LC865516A-***	ABCD.....
L	601	87-003-102-080	COIL, 10UH	ABCD.....
LED	608	88-CD6-630-010	LED,934ID RED	ABCD.....
LED	602	88-CD6-630-010	LED,934ID RED	ABCD.....
LED	611	87-CD8-616-010	LED,SA36-11 HWA-11.0	ABCD.....
Q	603	87-026-291-080	TR,DTC124XS	ABCD.....
Q	608	87-026-464-010	TR,DTC114TS	ABCD.....
Q	606	87-026-464-010	TR,DTC114TS	ABCD.....
Q	607	87-026-464-010	TR,DTC114TS	ABCD.....
Q	604	89-317-403-080	TR,2SC1740S	ABCD.....
Q	610	87-026-463-080	TR,2SA933S (0.3W)	ABCD.....
Q	613	87-026-464-010	TR,DTC114TS	ABCD.....
S	605	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	601	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	602	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	604	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
S	603	8Z-CT6-636-010	SW,TACT EVQJAC04M	ABCD.....
X	601	87-030-273-010	VIB,XTAL 32.768K5PPM	ABCD.....
X	602	87-030-376-080	VIB,CER CSA5.76MG200	ABCD.....
CN	204	87-049-469-010	CONN,4P V	ABCD.....
CNA	203	8A-CDB-624-010	CONN ASSY,3P H.P	ABCD.....
J	251	87-009-216-010	JACK, DIA 3.5	ABCD.....
C	901	87-018-205-080	CAP, CERA-SOL 0.022	ABCD.....
C	904	87-018-205-080	CAP, CERA-SOL 0.022	ABCD.....
C	903	87-018-205-080	CAP, CERA-SOL 0.022	ABCD.....
C	902	87-018-205-080	CAP, CERA-SOL 0.022	ABCD.....
CNA	901	8A-CDB-621-010	CONN ASSY,3P POWER	ABCD.....
D	903	87-A40-465-010	DIODE,FR202	ABCD.....
D	902	87-A40-465-010	DIODE,FR202	ABCD.....
D	901	87-A40-465-010	DIODE,FR202	ABCD.....
D	904	87-A40-465-010	DIODE,FR202	ABCD.....
PR	901	87-A90-092-080	PROTECTOR,2.5A 491	ABCD.....
C	239	87-010-197-080	CAP, CHIP 0.01 DM	ABCD.....
C	231	87-010-213-080	C-CAP,S 0.015-50 B	ABCD.....
C	232	87-010-213-080	C-CAP,S 0.015-50 B	ABCD.....
C	237	87-010-408-080	CAP, ELECT 47-50V	ABCD.....
C	235	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD.....
C	236	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD.....
C	234	87-A10-201-080	C-CAP,S0.33-16 KB	ABCD.....
C	233	87-A10-201-080	C-CAP,S0.33-16 KB	ABCD.....
C	240	87-010-197-080	CAP, CHIP 0.01 DM	ABCD.....
C	247	87-010-805-080	CAP, S 1-16	ABCD.....
C	248	87-010-805-080	CAP, S 1-16	ABCD.....
D	281	87-A40-466-080	ZENER,MTZJ2.7A	ABCD.....
IC	203	87-A21-520-040	C-IC,M61509FP	ABCD.....

ELECTRICAL MAIN PARTS LIST - 2/5

C	211	87-010-805-080	CAP, S 1-16	ABCD
C	212	87-010-805-080	CAP, S 1-16	ABCD
C	216	87-016-460-080	C-CAP,S 0.22-16 B	ABCD
C	215	87-016-460-080	C-CAP,S 0.22-16 B	ABCD
C	239	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	240	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	251	87-010-401-080	CAP, ELECT 1-50V	ABCD
C	268	87-010-112-080	CAP, ELECT 100-16V	ABCD
C	267	87-010-112-080	CAP, ELECT 100-16V	ABCD
C	263	87-010-178-080	CHIP CAP 1000P	ABCD
C	264	87-010-178-080	CHIP CAP 1000P	ABCD
C	265	87-010-263-080	CAP, ELECT 100-10V	ABCD
C	266	87-010-263-080	CAP, ELECT 100-10V	ABCD
C	262	87-010-402-080	CAP, ELECT 2.2-50V	ABCD
C	261	87-010-402-080	CAP, ELECT 2.2-50V	ABCD
C	272	87-010-235-080	CAP, E 470-16 SME	ABCD
C	271	87-010-235-080	CAP, E 470-16 SME	ABCD
C	279	87-010-385-080	CAP, ELECT 220-25V	ABCD
C	278	87-010-405-080	CAP, ELECT 10-50V	ABCD
CN	202	87-A60-685-010	CONN,4P H WHT EH	ABCD
IC	202	87-A21-064-010	IC,LA4227	ABCD
Q	244	89-320-011-080	TR,2SC2001 (15W)	ABCD
Q	243	89-320-011-080	TR,2SC2001 (15W)	ABCD
C	309	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	308	87-010-221-080	CAP, ELECT 470-10V	ABCD
C	307	87-010-401-080	CAP, ELECT 1-50V	ABCD
C	306	87-010-404-080	CAP, ELECT 4.7-50V	ABCD
C	301	87-016-658-000	CAP, E 4700-35 M SMG	ABCD
C	310	87-010-248-080	CAP, ELECT 220-10V	ABCD
C	311	87-010-374-080	CAP, ELECT 47-10V	ABCD
C	316	87-010-384-080	CAP, ELECT 100-25V	ABCD
C	312	87-010-385-080	CAP, ELECT 220-25V	ABCD
C	325	87-010-405-080	CAP, ELECT 10-50V	ABCD
CN	301	87-099-416-010	CONN,3P EH H WHT	ABCD
D	306	87-070-345-080	DIODE,IN4148	ABCD
D	303	87-070-345-080	DIODE,IN4148	ABCD
D	305	87-070-345-080	DIODE,IN4148	ABCD
D	307	87-A40-234-080	ZENER,MTZJ5.6A	ABCD
D	304	87-A40-648-080	ZENER,MTZJ8.2A	ABCD
D	311	87-027-702-080	DIODE,ZENER HZ6C2L (200MA)	ABCD
Q	303	87-026-291-080	TR,DTC124XS	ABCD
Q	305	87-026-462-080	TR,2SC1740 S (RS 0.3W)	ABCD
Q	302	87-026-463-080	TR,2SA933S (0.3W)	ABCD
Q	304	87-A30-226-010	TR,2SB1655E	ABCD
Q	301	89-112-965-080	TR,2SA1296 (0.75W)	ABCD
Q	306	89-318-154-080	TR,2SC1815 (0.4W)	ABCD
Q	310	89-318-154-080	TR,2SC1815 (0.4W)	ABCD
C	30	87-010-260-080	CAP, ELECT 47-25V	ABCD
C	801	87-010-248-080	CAP, ELECT 220-10V	ABCD
C	807	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	809	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	808	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	805	87-012-365-080	C-CAP,S 0.027-25VBK	ABCD
C	806	87-012-365-080	C-CAP,S 0.027-25VBK	ABCD
C	812	87-010-178-080	CHIP CAP 1000P	ABCD
C	811	87-010-178-080	CHIP CAP 1000P	ABCD
C	817	87-010-180-080	C-CER 1500P	ABCD
C	816	87-010-180-080	C-CER 1500P	ABCD
C	810	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	819	87-010-426-080	C-CAP,S 0.012-25 B	ABCD
C	829	87-010-178-080	CHIP CAP 1000P	ABCD
C	823	87-010-181-080	CAP,CHIP S 1800P	ABCD
C	824	87-010-181-080	CAP,CHIP S 1800P	ABCD
C	821	87-010-401-080	CAP, ELECT 1-50V	ABCD
C	822	87-010-401-080	CAP, ELECT 1-50V	ABCD
C	820	87-010-426-080	C-CAP,S 0.012-25 B	ABCD
C	830	87-010-178-080	CHIP CAP 1000P	ABCD
C	831	87-010-198-080	CAP, CHIP 0.022	ABCD
C	834	87-010-248-080	CAP, ELECT 220-10V	ABCD
C	835	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	836	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	833	87-018-195-080	CAP, CER 1200P-16V	ABCD
C	845	87-010-178-080	CHIP CAP 1000P	ABCD
C	843	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	846	87-010-263-080	CAP, ELECT 100-10V	ABCD
C	844	87-018-124-080	CAP, CER 270P-50V	ABCD
C	852	87-010-178-080	CHIP CAP 1000P	ABCD
C	851	87-010-186-080	CAP,CHIP 4700P	ABCD
C	853	87-A11-145-080	CAP,TC U 0.01-50 Z F	ABCD
CN	802	87-049-469-010	CONN,4P V	ABCD
CN	801	87-A60-110-010	CONN,4P V S2M-4W	ABCD
D	308	87-017-978-080	DIODE,1N4003	ABCD
D	309	87-070-345-080	DIODE,IN4148	ABCD
D	809	87-020-465-080	DIODE,1SS133 (110MA)	ABCD
D	809	87-070-345-080	DIODE,IN4148	ABCD
D	808	87-070-345-080	DIODE,IN4148	ABCD
D	807	87-070-345-080	DIODE,IN4148	ABCD

ELECTRICAL MAIN PARTS LIST - 3/5

D	810	87-020-465-080	DIODE,1SS133 (110MA)	ABCD
D	810	87-070-345-080	DIODE,IN4148	ABCD
IC	801	87-A21-431-010	IC,BA4560N	ABCD
L	801	87-007-342-010	COIL,OSC 85K BIAS	ABCD
Q	801	89-318-154-080	TR,2SC1815 (0.4W)	ABCD
Q	810	87-026-464-080	TR,DTC114TS (0.3W)	ABCD
R	840	87-029-124-010	RES,FUSE 2.2-1/4	ABCD
S	801	88-CT6-619-010	BACK SLIDE SW 6P2T SHORTIN	ABCD
C	321	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	322	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	483	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
C	484	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
CN	201	87-099-018-010	CONN,16P	ABCD
CNA	302	8A-CDB-627-010	CONN ASSY,6P MA-TUNER	ABCD
D	32	87-027-399-080	ZENER,HZ7A3L (200MA)	.....
D	32	87-027-607-080	ZENER,HZ7B3L	ABCD
Q	323	87-070-345-080	DIODE,IN4148	ABCD
Q	321	89-318-154-080	TR,2SC1815 (0.4W)	ABCD
Q	841	87-026-291-080	TR,DTC124XS	ABCD
C	407	87-010-178-080	CHIP CAP 1000P	ABCD
C	405	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	402	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	408	87-010-198-080	CAP,CHIP 0.022	ABCD
C	409	87-010-248-080	CAP,ELECT 220-10V	ABCD
C	404	87-010-248-080	CAP,ELECT 220-10V	ABCD
C	403	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	406	87-010-374-080	CAP,ELECT 47-10V	ABCD
C	401	87-010-403-080	CAP,ELECT 3.3-50V	ABCD
C	418	87-010-213-080	C-CAP,S 0.015-50 B	ABCD
C	410	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	412	87-010-401-080	CAP,ELECT 1-50V	ABCD
C	414	87-010-405-080	CAP,ELECT 10-50V	ABCD
C	416	87-010-545-080	CAP,ELECT 0.22-50V	ABCD
C	417	87-012-157-080	C-CAP,S 330P-50 CH	ABCD
C	413	87-016-369-080	C-CAP,S 0.033-25 B K	ABCD
C	411	87-A11-177-080	C-CAP,S 0.15-16 K B	ABCD
C	419	87-A11-608-080	C-CAP,S 0.33-25 K B	ABCD
C	425	87-010-176-080	C-CAP,S 680P-50 SL	ABCD
C	422	87-010-183-080	C-CAP,S 2700P-50 B	ABCD
C	429	87-010-186-080	CAP,CHIP 4700P	ABCD
C	428	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	423	87-010-956-080	CHIP-CAP,S 0.068-25B	ABCD
C	424	87-010-993-080	C-CAP,S 0.056-25 B	ABCD
C	420	87-016-369-080	C-CAP,S 0.033-25 B K	ABCD
C	421	87-A11-177-080	C-CAP,S 0.15-16 K B	ABCD
C	426	87-A11-608-080	C-CAP,S 0.33-25 K B	ABCD
C	439	87-010-178-080	CHIP CAP 1000P	ABCD
C	434	87-010-184-080	CHIP CAPACITOR 3300P(K)	ABCD
C	435	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	436	87-010-374-080	CAP,ELECT 47-10V	ABCD
C	432	87-010-374-080	CAP,ELECT 47-10V	ABCD
C	433	87-010-401-080	CAP,ELECT 1-50V	ABCD
C	437	87-010-404-080	CAP,ELECT 4.7-50V	ABCD
C	431	87-010-545-080	CAP,ELECT 0.22-50V	ABCD
C	430	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
C	438	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	440	87-010-145-080	C-CAP,S 1P-50 CH	ABCD
C	441	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	442	87-010-312-080	C-CAP,S 15P-50 CH	ABCD
C	448	87-010-315-080	C-CAP,S 27P-50 CH	ABCD
C	445	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	446	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	447	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	455	87-010-247-080	CAP,ELECT 100-50V	ABCD
C	459	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	458	87-010-312-080	C-CAP,S 15P-50 CH	ABCD
C	457	87-010-312-080	C-CAP,S 15P-50 CH	ABCD
C	458	87-010-316-080	C-CAP,S 33P-50 CH	.....
C	457	87-010-316-080	C-CAP,S 33P-50 CH	.....
C	450	87-012-140-080	CAP 470P	ABCD
C	451	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
C	463	87-010-190-080	S CHIP F 0.01	ABCD
C	461	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	462	87-010-248-080	CAP,ELECT 220-10V	ABCD
C	467	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	468	87-010-322-080	C-CAP,S 100P-50 CH	.....
C	465	87-010-404-080	CAP,ELECT 4.7-50V	ABCD
C	469	87-012-154-080	C-CAP,S 150P-50 CH	ABCD
C	466	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	460	87-015-819-080	CAPACITOR,0.01	ABCD
C	479	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	475	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	477	87-010-197-080	CAP,CHIP 0.01 DM	ABCD
C	476	87-010-236-080	CAP,E 1000-10 SME	ABCD
C	478	87-010-263-080	CAP,ELECT 100-10V	ABCD
C	470	87-010-544-080	CAP,ELECT 0.1-50V	ABCD
C	472	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	ABCD

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C	471	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	ABCD
C	473	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	ABCD
C	474	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	ABCD
C	480	87-010-221-080	CAP, ELECT 470-10V	ABCD
C	481	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	482	87-010-405-080	CAP, ELECT 10-50V	ABCD
C	489	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	494	87-010-190-080	S CHIP F 0.01	ABCD
C	490	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	504	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	505	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	502	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	506	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	503	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	501	87-012-368-080	C-CAP,S 0.1-50 F	ABCD
C	510	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
CN	205	87-A60-109-010	CONN,2P V S2M-2W	ABCD
CN	403	87-099-201-010	CONN,8P 6216 H	ABCD
CN	401	87-A60-424-010	CONN,16P V TOC-B	ABCD
CNA	402	8A-CDB-622-010	CONN ASSY,6P CD-MOTOR	ABCD
D	402	87-070-345-080	DIODE,IN4148	ABCD
D	401	87-070-345-080	DIODE,IN4148	ABCD
D	403	87-070-345-080	DIODE,IN4148	ABCD
IC	403	87-002-563-080	IC,BU4066BF-	ABCD
IC	401	87-A20-446-010	C-IC,LA9241ML	ABCD
IC	402	87-A20-459-010	C-IC,LC78622ED	ABCD
IC	404	87-A21-093-010	IC,LA6541D	ABCD
L	401	87-003-102-080	COIL, 10UH	ABCD
L	404	87-003-152-080	COIL, 100UH	ABCD
Q	405	87-026-239-080	TR,DTC114TK (0.2W)	ABCD
Q	404	87-026-239-080	TR,DTC114TK (0.2W)	ABCD
Q	403	87-026-239-080	TR,DTC114TK (0.2W)	ABCD
Q	401	89-109-332-380	TR,2SA933RS	ABCD
Q	402	89-113-187-080	TR,2SA1318TU	ABCD
Q	478	87-026-297-080	TR,DTA144TK	ABCD
Q	479	87-026-297-080	TR,DTA144TK	ABCD
Q	488	87-026-297-080	TR,DTA144TK	ABCD
Q	486	87-026-297-080	TR,DTA144TK	ABCD
Q	487	87-026-297-080	TR,DTA144TK	ABCD
Q	485	87-026-297-080	TR,DTA144TK	ABCD
SFR	430	87-024-437-080	SFR100K,RH063EC	ABCD
X	401	87-A70-046-010	VIB,XTAL 16.934MHZ	ABCD
X	401	8Z-CD5-633-010	VIB, CER16.93MHZ FCR16.93M2	ABCD
C	491	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	492	87-010-221-080	CAP, ELECT 470-10V	ABCD
D	494	87-070-345-080	DIODE,IN4148	ABCD
D	491	87-070-345-080	DIODE,IN4148	ABCD
Q	492	87-026-291-080	TR,DTC124XS	ABCD
Q	491	89-112-965-080	TR,2SA1296 (0.75W)	ABCD
C	4	87-010-148-080	CAP, CHIP S 75P SL	ABCD
C	9	87-010-151-080	C-CAP,S 7P-50 CH	ABCD
C	8	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	9	87-010-311-080	CAP 12P	ABCD
C	3	87-010-314-080	C-CAP,S 22P-50V	ABCD
C	1	87-010-314-080	C-CAP,S 22P-50V	ABCD
C	2	87-010-316-080	C-CAP,S 33P-50 CH	ABCD
C	2	87-010-318-080	C-CAP,S 47P-50 CH	ABCD
C	5	87-010-378-080	CAP, ELECT 10-16V	ABCD
C	7	87-012-154-080	C-CAP,S 150P-50 CH	ABCD
C	7	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
C	11	87-010-148-080	CAP, CHIP S 75P SL	ABCD
C	14	87-010-148-080	CAP, CHIP S 75P SL	ABCD
C	11	87-010-152-080	C-CAP,S 8P-50 CH	ABCD
C	16	87-010-178-080	CHIP CAP 1000P	ABCD
C	10	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	18	87-010-198-080	CAP, CHIP 0.022	ABCD
C	12	87-010-314-080	C-CAP,S 22P-50V	ABCD
C	13	87-010-322-080	C-CAP,S 100P-50 CH	ABCD
C	13	87-012-156-080	C-CAP,S 220P-50 CH	ABCD
C	19	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	17	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	15	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	25	87-010-188-080	CAP,CHIP 6800P	ABCD
C	24	87-010-188-080	CAP,CHIP 6800P	ABCD
C	22	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	20	87-010-400-080	CAP, ELECT 0.47-50V	ABCD
C	21	87-010-403-080	CAP, ELECT 3.3-50V	ABCD
C	28	87-010-992-080	C-CAP,S 0.047-25 B	ABCD
C	29	87-010-992-080	C-CAP,S 0.047-25 B	ABCD
C	27	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	26	87-016-669-080	C-CAP,S 0.1-25 K B	ABCD
C	39	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	35	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	38	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	32	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	34	87-010-197-080	CAP, CHIP 0.01 DM	ABCD
C	37	87-010-197-080	CAP, CHIP 0.01 DM	ABCD

ELECTRICAL MAIN PARTS LIST - 5/5

C	33	87-010-197-080	CAP, CHIP 0.01 DM	ABCD.....
C	30	87-010-248-080	CAP, ELECT 220-10V	ABCD.....
C	36	87-010-263-080	CAP, ELECT 100-10V	ABCD.....
C	31	87-010-379-080	CAP, ELECT 22-16V	ABCD.....
C	56	87-010-152-080	C-CAP,S 8P-50 CH	ABCD.....
C	51	87-010-197-080	CAP, CHIP 0.01 DM	ABCD.....
CF	2	82-785-747-010	CF MS2 GHY R	ABCD.....
CF	3	82-785-747-010	CF MS2 GHY R	ABCD.....
CF	1	87-A90-128-010	FLTR,AM IF CFAL-455	ABCD.....
CN	2	87-099-194-010	CONN,6P 6216V	ABCD.....
D	1	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	2	87-020-465-080	DIODE,1SS133 (110MA)	ABCD.....
D	3	87-A40-128-080	C-VARI-CAP,HVU202A	ABCD.....
D	13	87-A40-128-080	C-VARI-CAP,HVU202A	.....
IC	1	87-A20-955-010	IC,LA1828	ABCD.....
L	9	87-A50-334-010	COIL,FM DET (TOKO)	ABCD.....
L	8	87-A50-335-010	COIL,FM IFT (TOKO)	ABCD.....
L	7	87-A50-336-010	COIL,AM IFT (TOKO)	ABCD.....
L	6	87-A50-337-010	COIL,AM OSC (TOKO)	ABCD.....
L	2	87-A50-560-010	COIL,FM BPF(ACD)	ABCD.....
L	4	87-A50-561-010	COIL,FM RF D(ACD)	.....
L	4	87-A50-562-010	COIL,FM RF EX(ACD)	ABCD.....
L	5	87-A50-563-010	COIL,FM OSC D(ACD)	.....
L	5	87-A50-564-010	COIL,FM OSC EX(ACD)	ABCD.....
L	3	8A-CD9-660-010	BAR-ANT,MW 2B-ACD(COI)	ABCD.....
L	10	87-005-849-080	COIL,10UH(CECS)	ABCD.....
Q	4	87-026-213-080	CHIP-TR,DTC114YK	ABCD.....
Q	2	87-026-447-080	TR,2SC1740S R	ABCD.....
Q	3	87-026-463-080	TR,2SA933S (0.3W)	ABCD.....
Q	1	89-327-143-080	TR,2SC2714 (0.1W)	ABCD.....
SW	1	87-A91-548-010	SW,SL-2-3 SK23E01G06	ABCD.....
VC	1	87-A91-315-010	TUN-CAP,40P-140P D(TWD)	.....
VC	1	87-A91-635-010	TUN-CAP,20P-140P E-ACD(MITSUMI)	ABCD.....

MECHANICAL PARTS LIST - 1/2

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

[S] LH	.....XX.....	A.....
[D] LH	.....XX.....	B.....
[G] LH	.....XX.....	C.....
HA	.....XX.....	D.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
	8A-CDB-002-010		CABI, REAR	ABCD.....
	8A-CDB-003-010		CHAS, CD	ABCD.....
	8A-CDB-004-010		WINDOW, DISP	A..D.....
	8A-CDB-005-010		WINDOW, CD	A..D.....
	8A-CDB-006-010		WINDOW, CASS	A..D.....
	8A-CDB-007-010		WINDOW, TU	A..D.....
	8A-CDB-008-010		BOX, CASS	A..D.....
	8A-CDB-009-010		BOX, CD	A..D.....
	8A-CDB-018-010		COVER, HANDL	ABCD.....
	8A-CDB-019-010		HANDL, GRIP	ABCD.....
	8A-CDB-020-010		LID, BATT	ABCD.....
	8A-CDB-021-010		LENS, FUNC	ABCD.....
	8A-CDB-022-010		POINTER, TU	ABCD.....
	8A-CDB-023-010		GRILLE, SPKR	A..D.....
	8A-CDB-025-010		CHAS, CD	.....
	8A-CDB-026-010		WINDOW, TUN U	.....
	8A-CDB-036-010		WINDOW, CD	.....
	8A-CDB-037-010		WINDOW, DISPLAY EX	.....
	8A-CDB-041-010		WINDOW, DISP <GR>	..C.....
	8A-CDB-042-010		WINDOW, CD <GR>	..C.....
	8A-CDB-043-010		WINDOW, CASS <GR>	..C.....
	8A-CDB-044-010		WINDOW, TU <GR>	..C.....
	8A-CDB-045-010		BOX, CASS <GR>	..C.....
	8A-CDB-046-010		BOX, CD <GR>	..C.....
	8A-CDB-049-010		GRILLE, SPEAKER <GR>	..C.....
	8A-CDB-050-010		WINDOW, DISP <OR>	.B.....
	8A-CDB-051-010		WINDOW, CD <OR>	.B.....
	8A-CDB-052-010		WINDOW, CASS <OR>	.B.....
	8A-CDB-053-010		WINDOW, TU <OR>	.B.....
	8A-CDB-054-010		BOX, CASS <OR>	.B.....
	8A-CDB-055-010		BOX, CD <OR>	.B.....
	8A-CDB-058-010		GRILLE, SPKR <OR>	.B.....
*	8A-CDB-001-010		CABI, FR	ABCD.....
*	8A-CDB-024-010		CABI, REAR	.....
	8A-CDB-010-010		BTN, TU	ABCD.....
	8A-CDB-011-010		BTN, TUN	ABCD.....
	8A-CDB-012-010		BTN, VOL	A..D.....
	8A-CDB-013-010		BTN, FUNC	A..D.....
	8A-CDB-014-010		BTN, QSOUND	ABCD.....
	8A-CDB-015-010		KEY, CASS	ABCD.....
	8A-CDB-016-010		BTN, CD	ABCD.....
	8A-CDB-029-010		BTN, FUNC EX	.....
	8A-CDB-047-010		BTN, VOL <GR>	..C.....
	8A-CDB-048-010		BTN, FUNC <GR>	..C.....
	8A-CDB-056-010		BTN, VOL <OR>	.B.....
	8A-CDB-057-010		BTN, FUNC <OR>	.B.....
	81-CD5-204-010		SCREW CD	ABCD.....
	87-261-032-410		V+2-3 GLD	ABCD.....
	87-261-096-410		SCREW, V+3-10 GLD	ABCD.....
	87-651-104-410		VT1+3-30	ABCD.....
	87-741-074-410		UT2+2.6-8	ABCD.....
	87-741-096-410		UT2+3-10	ABCD.....
	87-745-094-410		UT2+3-6	ABCD.....
	87-751-095-410		VT2+3-8 W/O	ABCD.....
	87-751-097-410		SCREW 3X12	ABCD.....
	86-CT9-217-010		HLDR, CHUCK A(S)	ABCD.....
	86-CT9-222-010		PLATE, MAGNET	ABCD.....
	86-CT9-223-010		CUSH, FOOT	ABCD.....
	87-036-368-010		MAGNET	ABCD.....
	87-063-164-010		OIL-DMPR 80	ABCD.....
	87-063-165-010		OIL-DMPR 150	ABCD.....
	88-CH6-220-010		CUSHION, CD A	ABCD.....
	8A-CDB-204-010		SPR-T, CASS	ABCD.....
	8A-CDB-206-010		BASE, CD	ABCD.....
	8A-CDB-210-010		DRUM, GEAR	ABCD.....
	8A-CDB-211-010		GEAR, MID TUN	ABCD.....
	8A-CDB-213-010		BASE, FUNC	ABCD.....
	8A-CDB-214-010		BASE, VOL	ABCD.....
	8A-CDB-215-010		SPR-T, BATT	ABCD.....
	8A-CDB-217-010		LEVER, BAND	ABCD.....
	8A-CDB-218-010		SPR-T, CD	ABCD.....
	8Z-CDB-208-010		HLDR, SPKR	ABCD.....
	8Z-CT6-213-010		BASE, CHUCK	ABCD.....
	8Z-CT6-214-010		RING, CHUCK	ABCD.....
	8Z-CT9-064-010		PANEL CD	ABCD.....
*	8A-CDB-203-010		HLDR, LED FUNC	ABCD.....
*	8A-CDB-205-010		PLATE, OIL DUMP	ABCD.....
*	8A-CDB-207-010		HLDR, ANT	ABCD.....

MECHANICAL PARTS LIST - 2/2

*	8A-CDB-208-010	HLDR, LED SA/SC36	ABCD.....
*	8A-CDB-209-010	HLDR, BTN TUN	ABCD.....
*	8A-CDB-212-010	PLATE, REC	ABCD.....
*	8A-CDB-216-010	PLATE, TRAN	ABCD.....
*	8A-CDB-219-010	HLDR, TRAN	ABCD.....
*	8A-CDB-220-010	HLDR, M66 BAR ANT	ABCD.....
	87-A60-179-010	JACK, AC D W/SW	.....
	87-A91-369-010	SW, AC SL 2 2 2 SDKGA41700	ABCD.....
	8A-CDB-618-010	FF-CABLE, 16P 1.25 FR-MAIN	ABCD.....
	8A-CDB-619-010	FF-CABLE, 8P 1.25 CD-FR	ABCD.....
	8A-CDB-623-010	FF-CABLE, 16P 1.0 CD-RF	ABCD.....
	8A-CDB-633-010	CONN ASSY, 4P SPKR	ABCD.....
	8A-CDB-652-010	PT, D 2.5W EI48X23	.....
*	87-036-389-010	SW, PUSH LOCK	ABCD.....
*	87-A60-178-010	JACK, AC E W/SW	ABCD.....
*	8Z-CH4-640-010	ANT, ROD	ABCD.....
CNA 205	8A-CD9-626-010	CONN ASSY, 2P DOOR	ABCD.....
CNA 802	8A-CDB-625-010	CONN ASSY, 4P CASS MECHA	ABCD.....
CNA 801	8A-CDB-626-010	CONN ASSY, 4P CASS HEAD	ABCD.....
PT 901	8A-CDB-651-010	PT, H 2.5W EI48X23	ABCD.....
SP 0	88-CD8-622-010	SPKR, F 77 7OHM 3W	ABCD.....

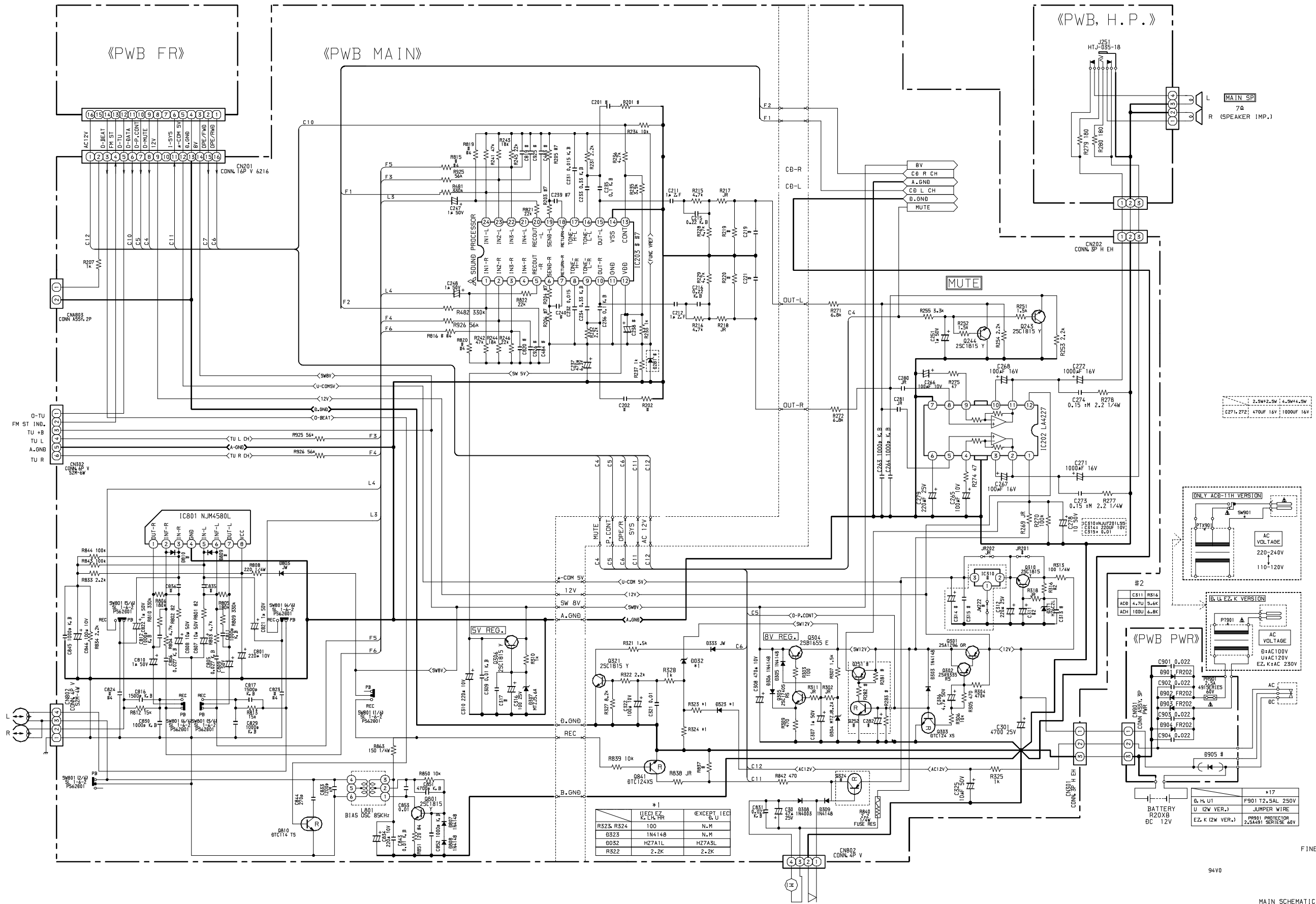
ACCESSORIES / PACKAGE LIST - 1/1

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

[S] LH	.....XX.....	A.....
[D] LH	.....XX.....	B.....
[G] LH	.....XX.....	C.....
HA	.....XX.....	D.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
	8A-CDB-902-010		IB, LH (ESP) FM	ABCD.....
	8A-CDB-908-010		IB, D (J) FM	.....
	87-A80-033-010		AC CORD SET, D BLK	.....
	87-A80-036-010		AC CORD SET ASSY, E W/FLTR VOL	ABC.....
	87-A80-119-010		AC CORD SET ASSY, AZ	...D.....
	87-A90-312-010		PLUG, CONVERSION WTN-1157R1	ABCD.....

SCHEMATIC DIAGRAM - 1 (MAIN)



FINEMOST R&D
Z. Z.P

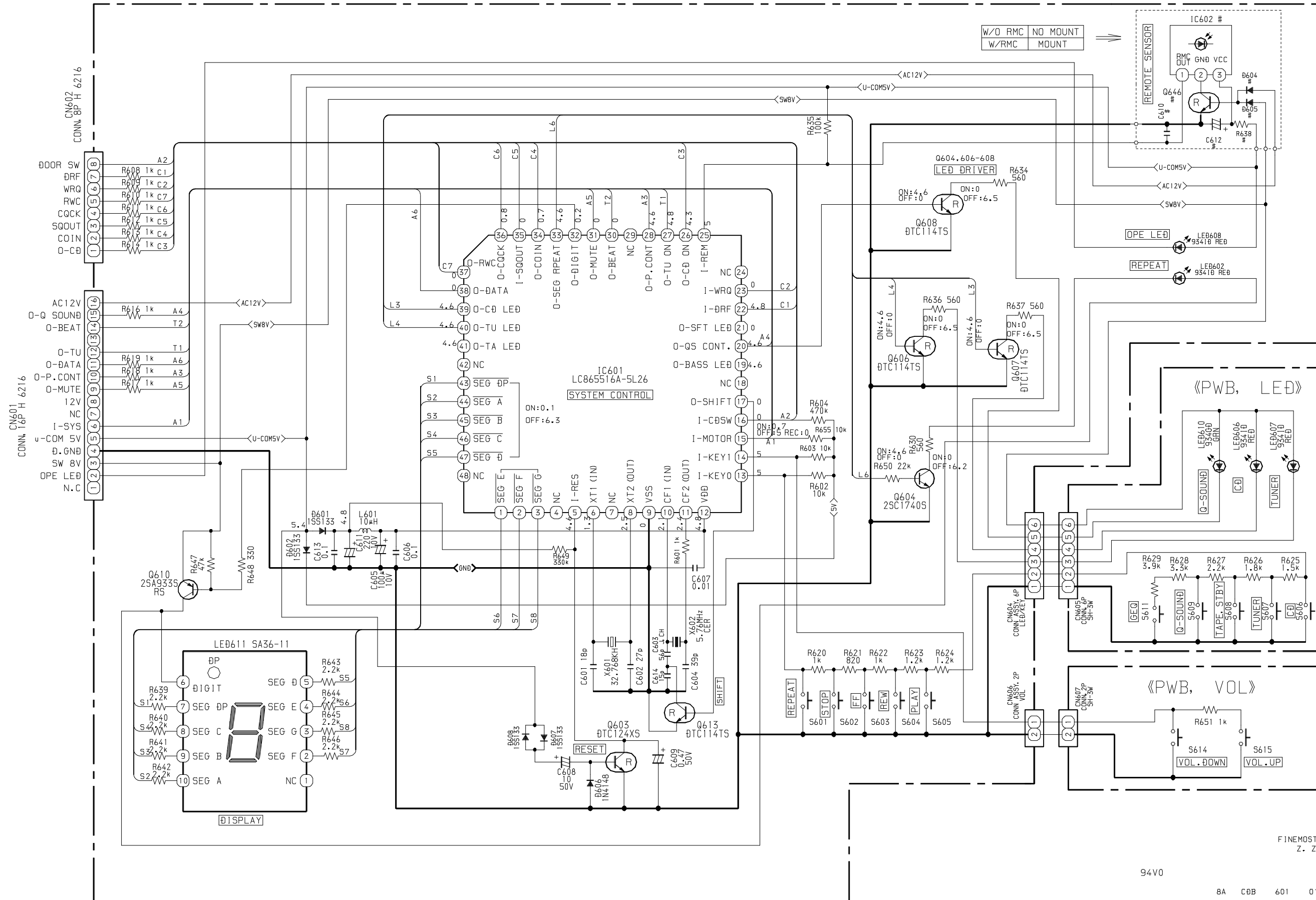
94V0

MAIN SCHEMATIC DIAGRAM

ACB-11/ACH-11

JAN 14 2000

SCHEMATIC DIAGRAM - 2 (FRONT)



FINEMOST R&D
Z. Z.P

94V0

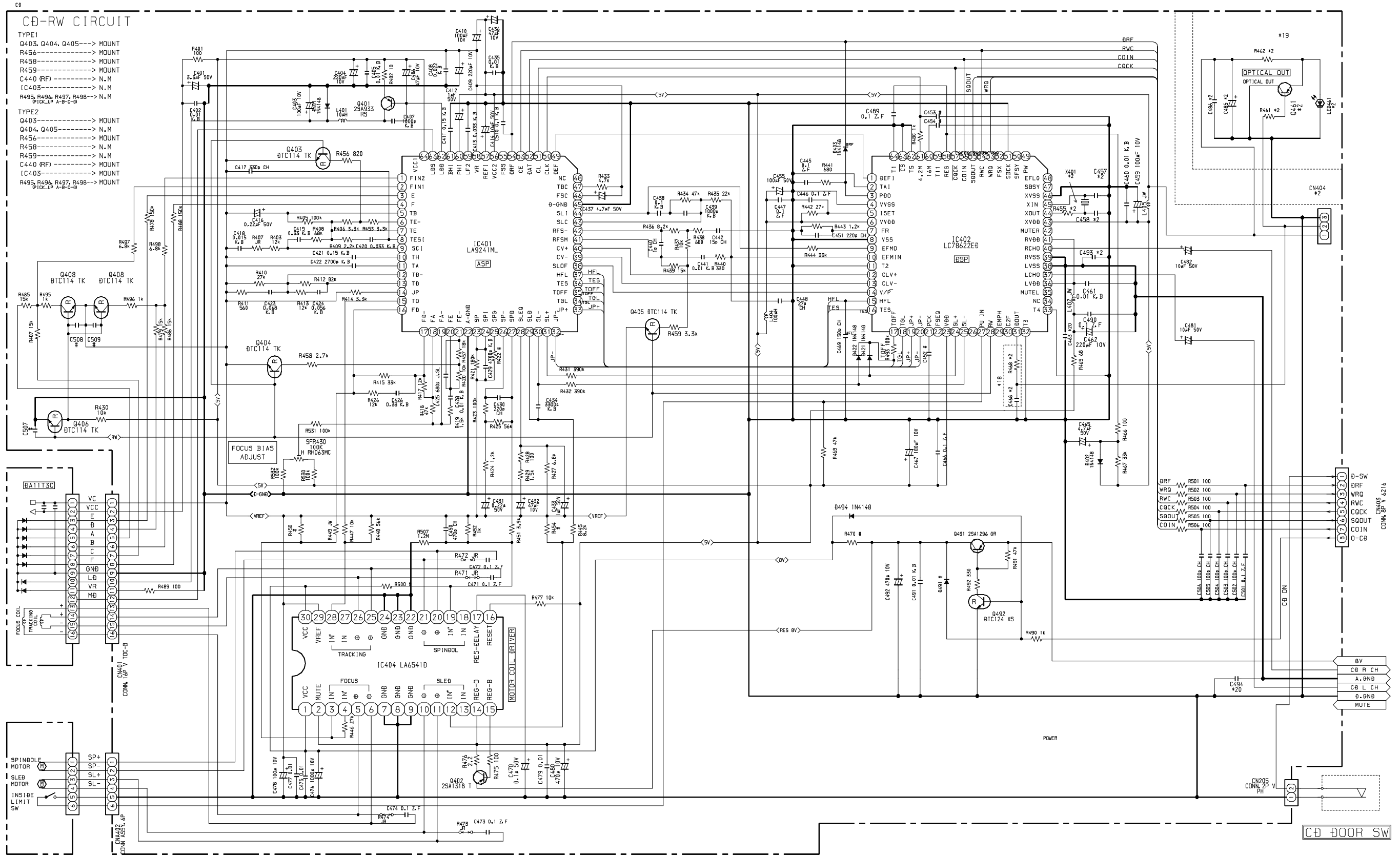
8A CDB 601 01

FRONT SCHEMATIC DIAGRAM

ACB-11 FRONT

SEP 14 1999

SCHEMATIC DIAGRAM - 3 (CD)



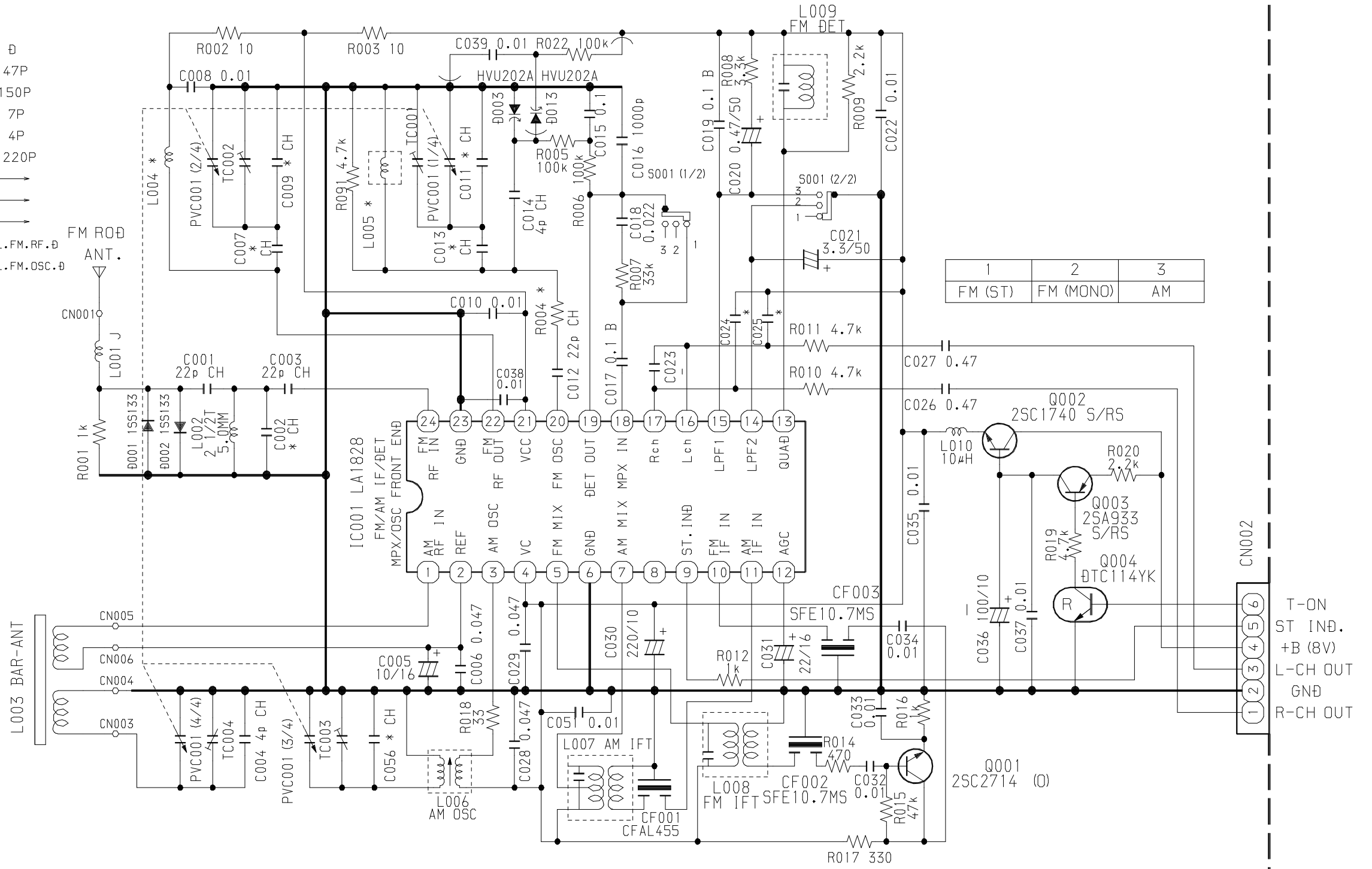
	*15	*16	*17	*18	*19	*20	*21	*22	*23
D	0X401	(C457, 458)	R459	(C468)	(OPT11 OUT)	(C445, 446)	(C495)	(C500)	(SW401)
L.H. HR, HE, H.C, V	V1& CER 16.934MHZ	35p	1K	MOUNT	MOUNT	NO MOUNT	NO MOUNT	NO MOUNT	NO MOUNT
U1	V1& CER 16.934MHZ (TBO)	15p	100	N.M	NO MOUNT	0.01	N.M	0.01	MOUNT
U								0.01	NO MOUNT
E.Z, K									MOUNT

FREE
94V0 CD SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM - 4 (TUNER)

4

	U	LH	HR	Ø
C002	33P	→	→	47P
C007	220P	→	→	150P
C009	12P	→	→	7P
C011	8P	→	→	4P
C013	100P	→	→	220P
C024..025	0.01	→	→	6800P
C056	4P	→	→	8P
R004	22	→	→	10
L004	COIL.FM.RF.EX	→	→	COIL.FM.RF.Ø
L005	COIL.FM.OSC.EX	→	→	COIL.FM.OSC.Ø



1	2	3
FM (ST)	FM (MONO)	AM

- 1 T-ON
- 2 ST IND.
- 3 +B (8V)
- 4 L-CH OUT
- 5 GND
- 6 R-CH OUT

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