

Service Manual

MINI COMPONENT SYSTEM

**Model : AMI-316L/316R
AMI-317L/317R**

**DAEWOO ELECTRONICS CO., LTD
OVERSEAS SERVICE DEPT.**

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER(OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY
THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.
CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCs ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the appliance and in the operating instructions should be adhered to.
- All operating and use instructions should be followed.
 1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
 2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

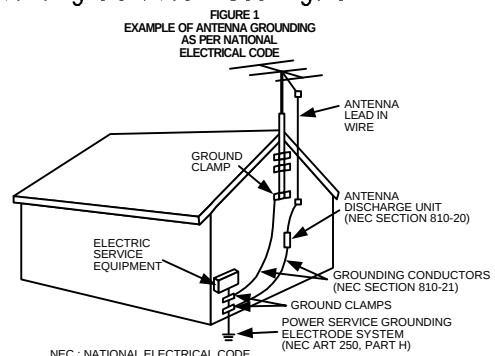
PORTABLE CART WARNING



FIGURE 2

3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - The appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.
13. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to and antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.



14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:
 - a) The power-supply cord or the plug has been damaged; or
 - b) Objects have fallen, or liquid has been spilled into the appliance; or
 - c) The appliance has been exposed to rain; or
 - d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - e) The appliance has been dropped, or the enclosure damaged.
17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

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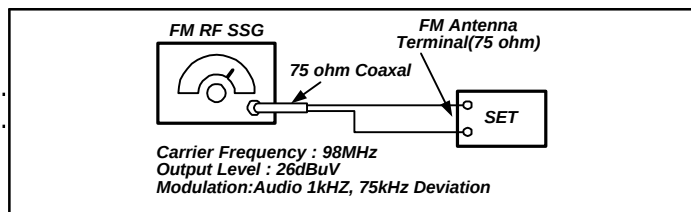
1. ADJUSTMENTS ----- 4/5 ◆ TUNER SECTION ◆ CD SECTION ◆ TAPE SECTION 2. EXPLODED VIEW AND MECHANICAL PARTS LIST ----- 6/9 ◆ AMI-316L/316R ◆ AMI-317L/317R 3. WIRING DIAGRAM ----- 10 ◆ AMI-316L/316R/317L/317R 4. BLOCK DIAGRAM ----- 11 ◆ AMI-316L/316R/317L/317R 5. SCHEMATIC DIAGRAM ----- 12/18 ◆ POWER/AMP ● AMI-316L/316R/317L/317R ◆ CD ● AMI-316L/316R/317L/317R	◆ TUNER ● AMI-316L/316R/317L/317R ◆ TUNER-FTZ (OPTIONAL) ◆ TAPE ● AMI-316L/316R/317L/317R ◆ CONTROL ● AMI-316L/316R ● AMI-317L/317R 6. P.C.B. PATTERN LAYOUT ----- 19/21 ▶ POWER/AMP/TUNER/TAPE ● AMI-316L/316R/317L/317R ▶ CD ● AMI-316L/316R/317L/317R/ ▶ CONTROL ● AMI-316L/316R ● AMI-317L/317R 7. ELECTRICAL PARTS LIST ----- 23/25 ▶ AMI-316L/316R/317L/317R
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1. ADJUSTMENTS

◆ TUNER SECTION

TEST EQUIPMENT

1. Signal Generator with a frequency range of FM broadcast.
2. Oscilloscope with a side amplifier of approximately 100 KHz.
3. FM 75/50Ω dummy antenna.
4. VTVM



FM ALIGNMENT

1. Turn on the FM signal generator and the VTVM allowing a 15 minutes warm-up period.
2. Connect the VTVM across the headphone jack or speaker terminal.
3. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.

NOTE

1. Use a screwdriver with plastic or ceramic grip for all adjustments.
2. Standard test frequency 1 KHz and deviation 75 KHz for FM.

FM RF, IF ALIGNMENT CHART

Step	Item	Input Circuit Setup	Output Circuit Setup	Tuner Setting	Adjust Point	Adjustment
1	FM IF Adjustment	Connect stereo signal generator to FM ANT terminal(J001)	Connect DC voltmeter to edge R201	FM 98MHz 75KHz Dev. 26dB μ	L203	Adjust for DC $0V \pm 0.1V$
2.	Auto Stop Sensitivity	Connect stereo signal generator to FM ANT terminal(J001)	Connect DC voltmeter to edge of RV201	FM 98MHz 75KHz Dev. 26dB μ	RV201	Adjust for DC $1.17V \pm 0.02V$ Confirm stereo indicator is lighted and L/R channel is separated.

Unless other specified set being switched FM mode, adjust generator's frequency to center of the FM band where no FM broadcast exists

Otherwise adjustment of FM usable sensitivity, frequency range for FM band are not needed, but confirm these data are satisfied with specification.

CAUTION : When realizing the FM receiving frequency the highest end of the frequency range should not be more than 108 MHz and the lowest end of the frequency range should not be less than 87.5 MHz, in order to comply with FTZ regulation in West Germany.

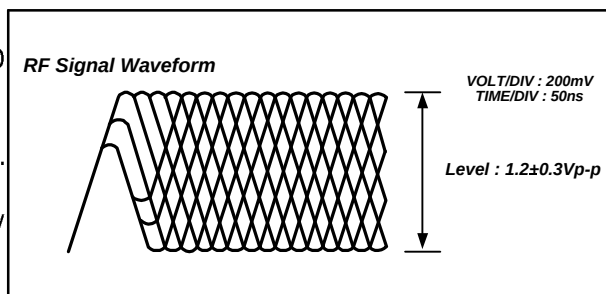
◆ CD SECTION

Note: 1. Use the oscilloscope with more than 10MΩ impedance.

2. Clean an object lens by an applicator with natural detergent when the signal level is low than specified value with the following checks.

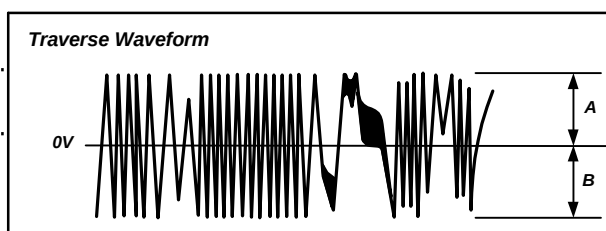
RF LEVEL CHECK

1. Connect oscilloscope to test point TP502 and IC502 Pin66 on CD PCB.
2. Press power switch on.
3. Put test disc(TCD-781) in and press play button then pause button.
4. Confirm that oscilloscope waveform is clear.
Clear RF signal waveform means that the shape can be clearly distinguished at the center of waveform.
5. Adjust RV501 to get a clear waveform and maximum amplitude



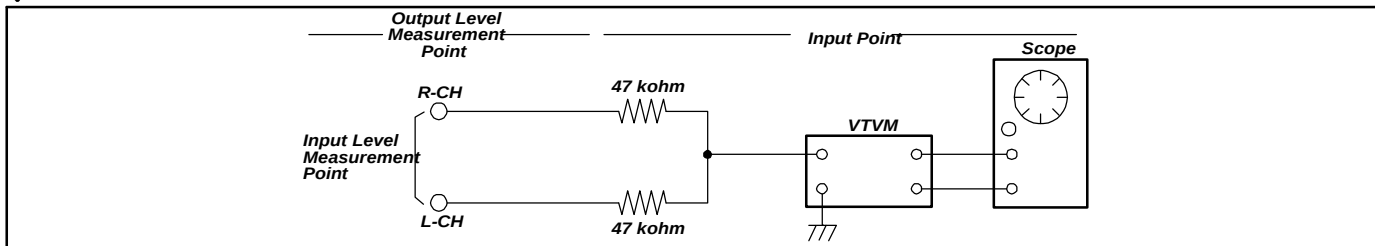
E-F BALANCE ADJUSTMENT

1. Connect oscilloscope to test point TP502 and TP503 on CD PCB.
2. Press power switch on.
3. Put test disc(TCD-781) in and press play button then pause button.
4. Pressing Fast Forward button, adjust RV502 to get that the oscilloscope waveform is symmetrical on the bottom in relation to 0V, and check this level.



* Design and specifications may be subject to change without notice.

◆TAPE SECTION



Test Tape be used

Tape	Contents	Use
MTT-111N	3 KHz	Tape Speed Adjustment
MTT-114N	10 KHz	Head Azimuth Adjustment
MTT-5511	Blank	Record Frequency Property

◆ HEAD ADJUSTMENT (AZIMUTH)

- 10KHz test tape(example: MTT-114N) must be used for this adjustment.
- Connect to VTVM or oscilloscope to the headphone jack or speaker terminal.
- Press the play button.
- Adjust the azimuth by using a screw driver to maintain the max. L&R output voltage.
- Adjust tape A(1), tape B(2) respectively, Please secure the azimuth position by using locking paint.

◆ RECORDING BIAS OSCILLATOR FREQUENCY ADJUSTMENT

- Connect the frequency counter to TP603, GND.
- Press the REC button.
- Adjust L603 to obtain 80 KHz $\pm$ 100Hz

TAPE ALIGNMENT CHART

Step	Item		Reference Value	Test Tape	Adjust Point	Test Point	Note	FIG.
1	Tape Speed Adjustment	Normal	3,015~3,025Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Wow & Flutter is within 0.35%	FIG.1
			3,000~3,010Hz	MTT-111N	RV601	Line Out L/R Channel	Confirm Tape Speed of end position after adjustment at tape start position	FIG.1
		High	5,820~6,180Hz	MTT-111N	-----	Shorted TP601, TP602	Confirm High speed after normal speed adjustment	FIG.1
2	Azimuth Adjustment		Maximum Level Phase:Within90°	MTT-114N	Head Screw	Line Out L/R Channel		FIG.2,3,4
3	Recording Bias Oscillator Frequency Adjustment		80 KHz±0.5	MTT-5511	L603	TP603, GND	Adjust with frequency counter connected.	FIG.1

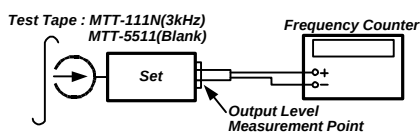


FIG. 1 : Tape Speed & Record Bias Oscillator Frequency Adjust Circuit

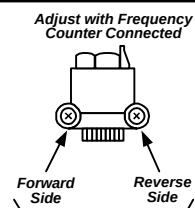


FIG. 2 : Tape Azimuth Adjust Location (Record/Playback Head)

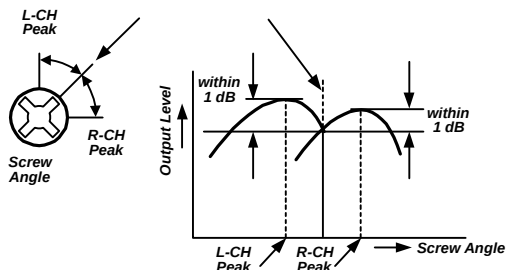


FIG. 3 : Tape Azimuth Adjust Head Screw & Waveform

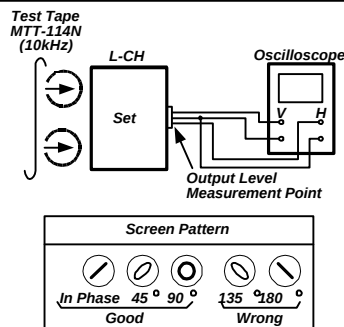
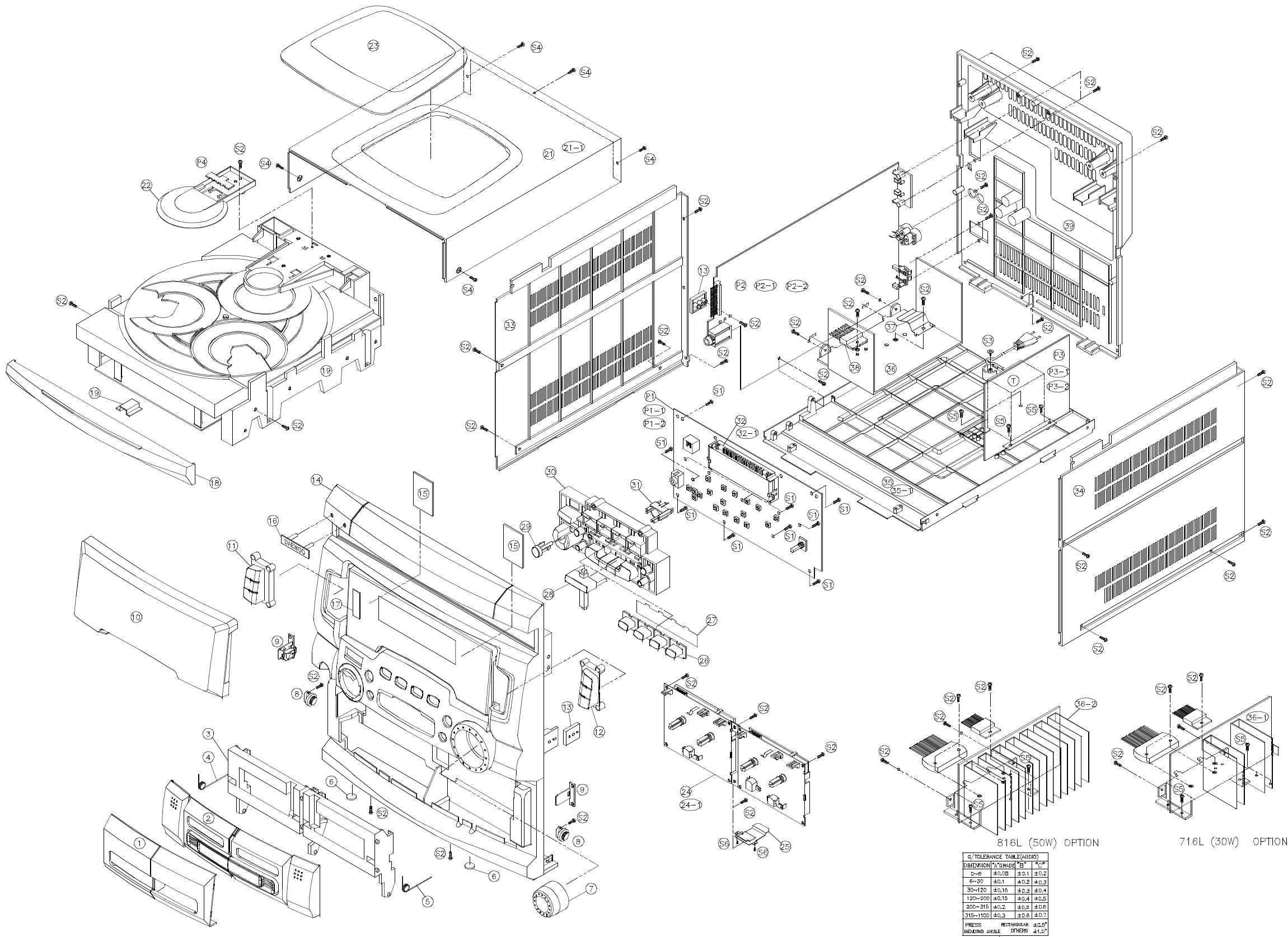


FIG. 4 : Tape Azimuth Adjust Circuit & Waveform

2. EXPLODED VIEW AND MECHANICAL PARTS LIST

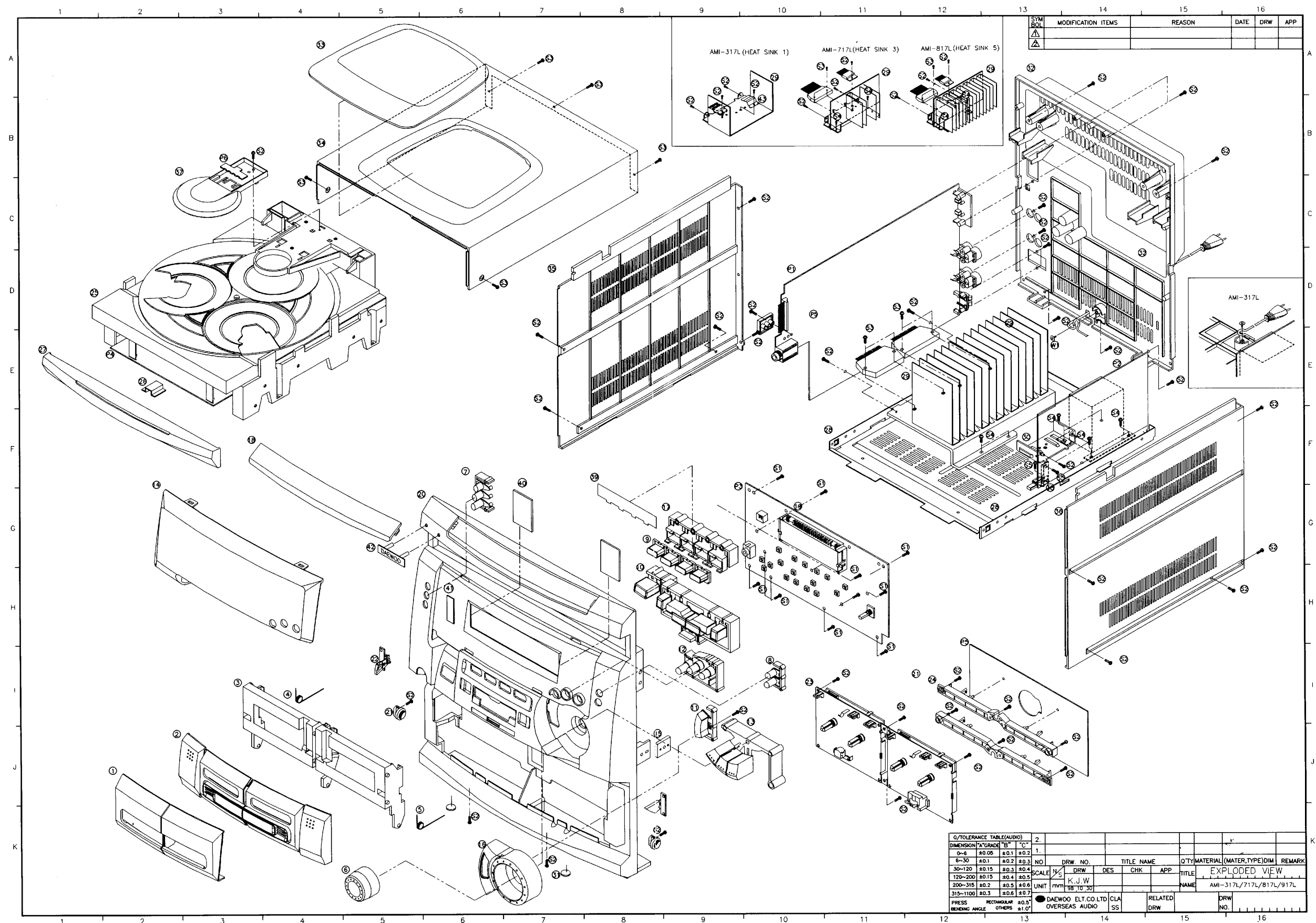
◆ AMI - 316L / 316R



◆AMI-316L/316R PART LIST

No.	Parts Name	Parts Code	Description	Q'ty
1	WINDOW DOOR A	9CD1613900	ACRYL	1
	WINDOW DOOR B	9CD1614000	ACRYL	1
2	COVER DOOR A	9CD0410200	MIPS	1
	COVER DOOR B	9CD0410300	MIPS	1
3	DOOR FRAME A/B	9CD1809400	MIPS	1
	DOOR FRAME A/B	9CD1809500	MIPS	1
4	SPRING DOOR EJECT L	9CD30078L0	STS	1
5	SPRING DOOR EJECT R	9CD30078R0	STS	1
6	CUSHION FOOT	9CD4207700	URETHAN FOAM RUBBER	2
7	KNOB VOLUME	9CD1334400	ABS	1
8	DAMPER ASSY	9CDM029800		2
9	LOCKER ASSY	9CDM029900		2
10	WINDOW FLT	9CD1614100	ACRYL	1
11	KNOB EQ L	9CD1335300	ABS	1
12	KNOB EQ R	9CD1335400	ABS	1
13	BRKT SIDE	9CD2412900	ABS	2
14	PANEL FRONT	9CD0306000	MIPS	1
15	PLATE FLT	9CD0909800	PVC SHEET (T = 1.0)	2
16	BADGE DAEWOO	9CD1500900	ABS	1
17	PLATE FUNCTION	9CD0910000	PVC SHEET (T = 1.0)	1
18	DOOR CD	9CD1809300	MIPS	1
19	HEAT SINK	9CD4402800	BSP	1
20	CD MECHANISM	9CD6006900		1
21	COVER TOP	9CD0409600	MIPS	1
21-1	COVER TOP	9CD0409100	MIPS	-
22	DECO TOP	9CD1002200	ACRYL	-
23	WINDOW TOP	9CD1612900	PC SHEET	-
24	CASS. DECK (A/S)	9CD6006800		1
24-1	CASS. DECK (A/R)	9CD6007000		-
25	PLATE SHIELD	9CD0908500	ALP	-
26	KNOB FUNCTION	9CD1335100	ACRYL	1
27	PLATE FILTER	9CD0909900	PC SHEET (T=0.2)	-
28	KNOB CD PLAY	9CD1335700	ABS	1
29	KNOB PLAY MODE	9CD1335800	ABS	1
30	KNOB CONTROL	9CD1335000	ABS	1
31	GUIDE LED	9CD2506000	HIPS	-
32	GUIDE FLT	9CD2505600	ABS	1
32-1	GUIDE FLT	9CD2505800	ABS	-
33	COVER SIDE L	9CD0409200	MIPS	1
34	COVER SIDE R	9CD0409300	MIPS	1
35	CHASSIS BOTTOM	9CD0607500	MIPS	1
35-1	CHASSIS BOTTOM	9CD0607100	SECC (T=1.0)	-
36	HEAT SINK1	9CD4404500	AL	1
36-1	HEAT SINK3	9CD4404600	AL	-
36-2	HEAT SINK5	9CD4404700	AL	-
37	BRKT HEAT TR	9CD2413900	STS	1
38	RUBBER SILICON	9CD4207900	RUBBER	1
39	COVER BACK	9CD0409801	MIPS	1
S1	SCREW		TT2 BIN 2.6X10	13
S2	SCREW		TT2 BIN 3X10	35
S3	SCREW WASHER		TT2 BIN 3X10	1
S4	SCREW		TT2 BIN 3X12 BK	5
S5	SCREW		TT2 BIN 4X6	8
S6	SCREW		TT2 BIN 2X4	-
P1	PCB Ass'y		FRONT PCB	1
P1-1	PCB Ass'y		FRONT PCB	-
P1-2	PCB Ass'y		FRONT PCB	-
P2	PCB Ass'y		MAIN PCB	1
P2-1	PCB Ass'y		MAIN PCB	-
P2-2	PCB Ass'y		MAIN PCB	-
P3	PCB Ass'y		POWER PCB	1
P3-1	PCB Ass'y		POWER PCB	-
P3-2	PCB Ass'y		POWER PCB	-
P4	PCB Ass'y		PCB CD LED ASS'Y	-

◆ AMI - 317L / 317R

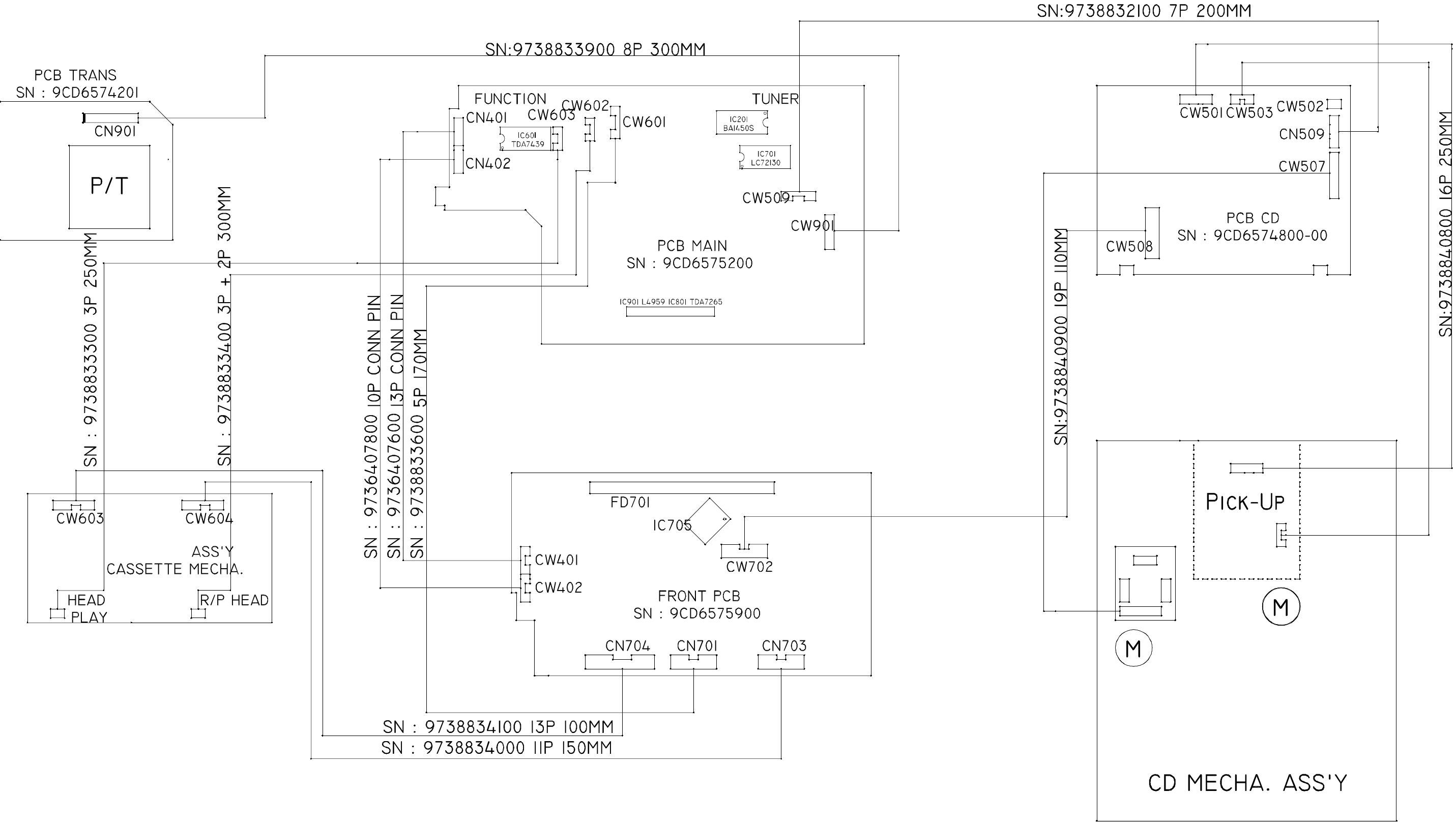


◆AMI-317L/317R PART LIST

No.	Parts Name	Parts Code	Description	Q'ty
1	WINDOW DOOR A/B	9CD1613900	ACRYL	1
	WINDOW DOOR A/B	9CD1614000	ACRYL	1
2	COVER DOOR A/B	9CD0410200	MIPS	1
	COVER DOOR A/B	9CD0410300	MIPS	1
3	DOOR FRAME A/B	9CD1809400	ABS	1
	DOOR FRAME A/B	9CD1809500	ABS	1
4	SPRING DOOR EJECT L	9CD30078L0	SUS D0.8	1
5	SPRING DOOR EJECT R	9CD30078R0	SUS D0.8	1
6	KNOB VOLUME	9CD1334400	ABS	1
7	KNOB EQ	9CD1334600	ABS	1
8	KNOB OPEN	9CD1335900	ABS	1
9	KNOB FUNCTION	9CD1334300	ACRYL CLEAR	4
10	KNOB MODE	9CD1334900	ABS	1
11	KNOB SUPER	9CD1334500	ABS	1
12	KNOB DISC	9CD1334200	ACRYL MILKY	1
13	KNOB REC	9CD1334700	ABS	1
14	WINDOW FLT	9CD1613700	ACRYL	1
15	BRKT.SIDE	9CD2412900	ABS 1.5GR	2
16	DECO VR	9CD1002400	MIPS	1
17	COVER LED	9CD0409700	MIPS WHITE	-
18	WINDOW DECO	9CD1613800	ACRYL SMOG	1
19	GUIDE FLT	9CD2505900	AMI-317L,AMI-717L	1
	GUIDE FLT	9CD2505600	AMI-817L,AMI-917L	-
20	PANEL FRONT	9CD0305900	MIPS	1
21	DAMPER ASSY	9CDM029800	ABS/ACETAL	2
22	LOCKER ASSY	9CDM029900	ABS/ACETAL	2
23	CASS.DECK(A/S)	9CD6007000	S/S ADR-2138MW	-
	CASS.DECK(A/S)	9CD6006800	S/S ADR-2136SW	1
24	HOLDER PCB DECK	9CD2303600	MIPS 16.5GR(AMI-917L)	2
25	CD DECK MECHA.	9CD6006900	DCC-01B	1
26	HEAT SINK	9CD4402800	BSP 0.5T	1
27	DOOR CD	9CD1809300	MIPS	1
28	CHASSIS BOTTOM	9CD0607100	AMI-717L,AMI-817L,AMI-917L	-
	CHASSIS BOTTOM	9CD0607500	AMI-317L	1
29	HEAT SINK 1	9CD4404500	AL	1
	HEAT SINK 3	9CD4404600	AL	-
	HEAT SINK 5	9CD4404700	AL	-
	HEAT SINK 7	9CD4404300	AL	-
30	HEAT SINK P	9CD4404200	AL T2.0	-
31	CUSHION FOOT	9CD4207700	URETHAN FOAM RUBBER	2
32	COVER BACK	9CD0409801	MIPS	1
	COVER BACK	9CD0409803	MIPS	-
	COVER BACK	9CD0409804	MIPS	-
33	WINDOW TOP	9CD1612900	ACRYL SMOG	-
34	COVER TOP	9CD0409600	MIPS	1
	COVER TOP	9CD0409100	MIPS	-
35	COVER SIDE L	9CD0409200	MIPS	1
36	COVER SIDE R	9CD0409300	MIPS	1
37	DECO TOP	9CD1002200	ACRYL CLEAR	-
38	BRKT.PCB A	9CD2413100	SECC 1.0T	-
39	FILTER LED	9CD4700700	PC 0.15T	-
40	PLATE FLT	9CD0909800	PVC SHEET T1.0	2
41	PLATE FUNCTION	9CD0910000	PVC SHEET T0.5	1
42	BADGE DAEWOO	9CD1500900	ABS HOT STAMPING	1
43	BRKT.HEAT TR.	9CD2413900	SUS T0.4	1
44	HOLDER AC CORD	9CD2303300	ABS 4.0GR	-
P1	PCB MAIN	9CD6574900	AMI-917L	-
	PCB MAIN	9CD6575200	AMI-317L	1
	PCB MAIN	9CD6575300	AMI-717,817L	-
P2	PCB POWER	9CD6575000	AMI-917L	-
P3	PCB FRONT	9CD6575100	AMI-917L	-
	PCB FRONT	9CD6575600	AMI-817L	-
	PCB FRONT	9CD6575900	AMI-317,717L	1

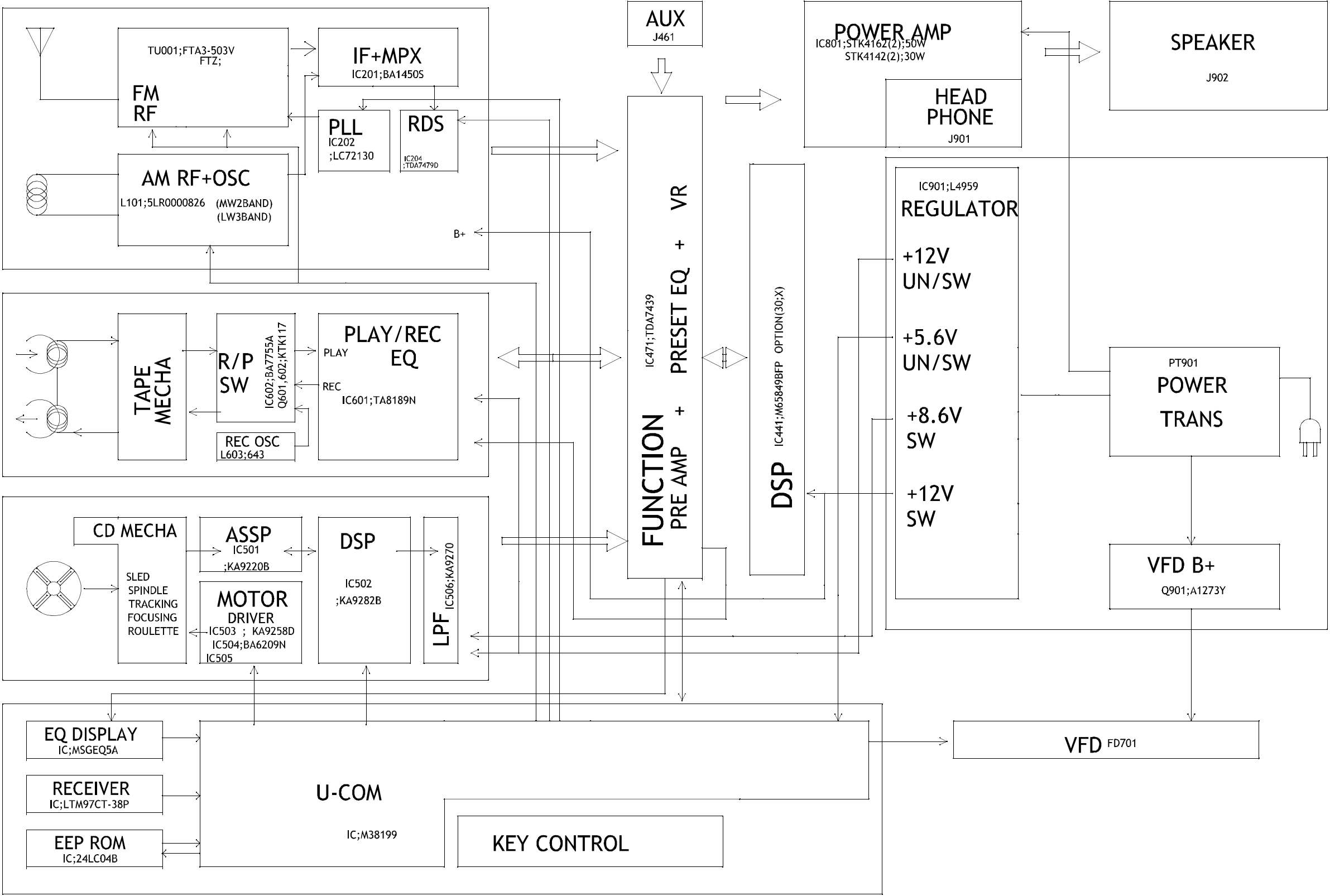
3. WIRING DIAGRAM

◆ AMI -316L / 316R /317L / 317R



4. BLOCK DIAGRAM

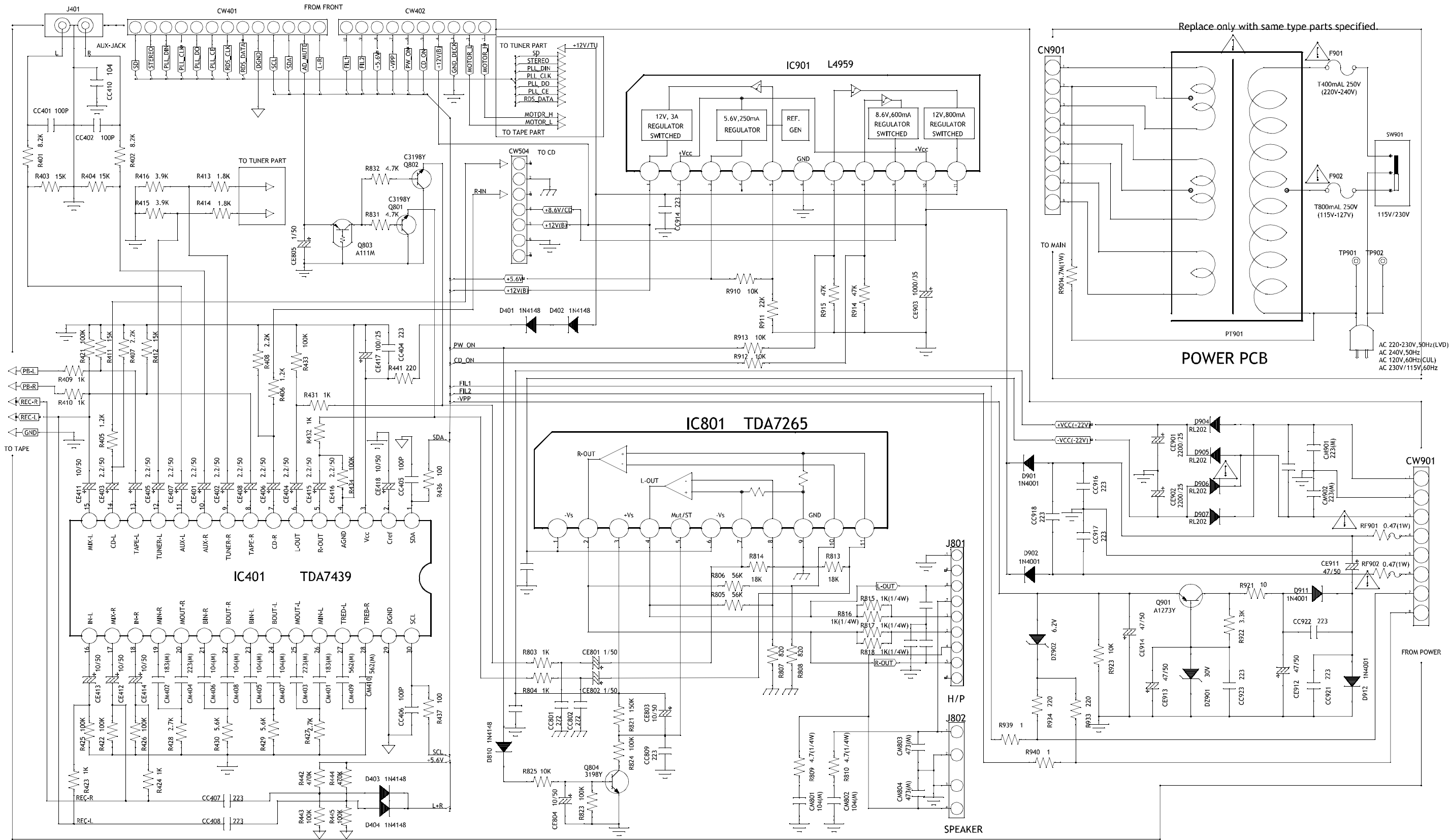
◆ AMI -316L / 316R /317L / 317R



5. SCHEMATIC DIAGRAM

- ◆ POWER / AMP
- ◆ AMI -316L / 316R /317L / 317R

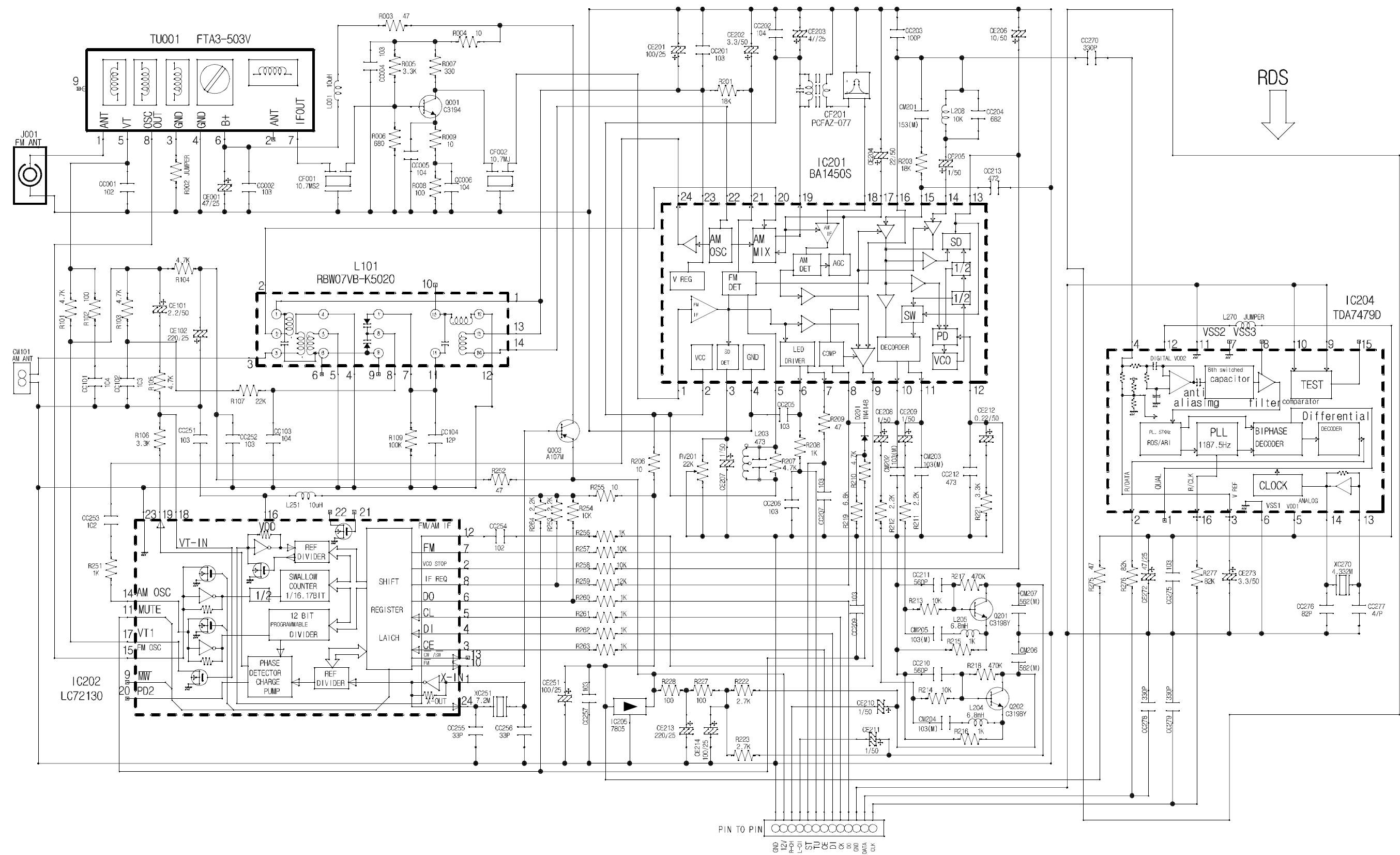
NOTE : The components indentified by mark  are critical for safety.



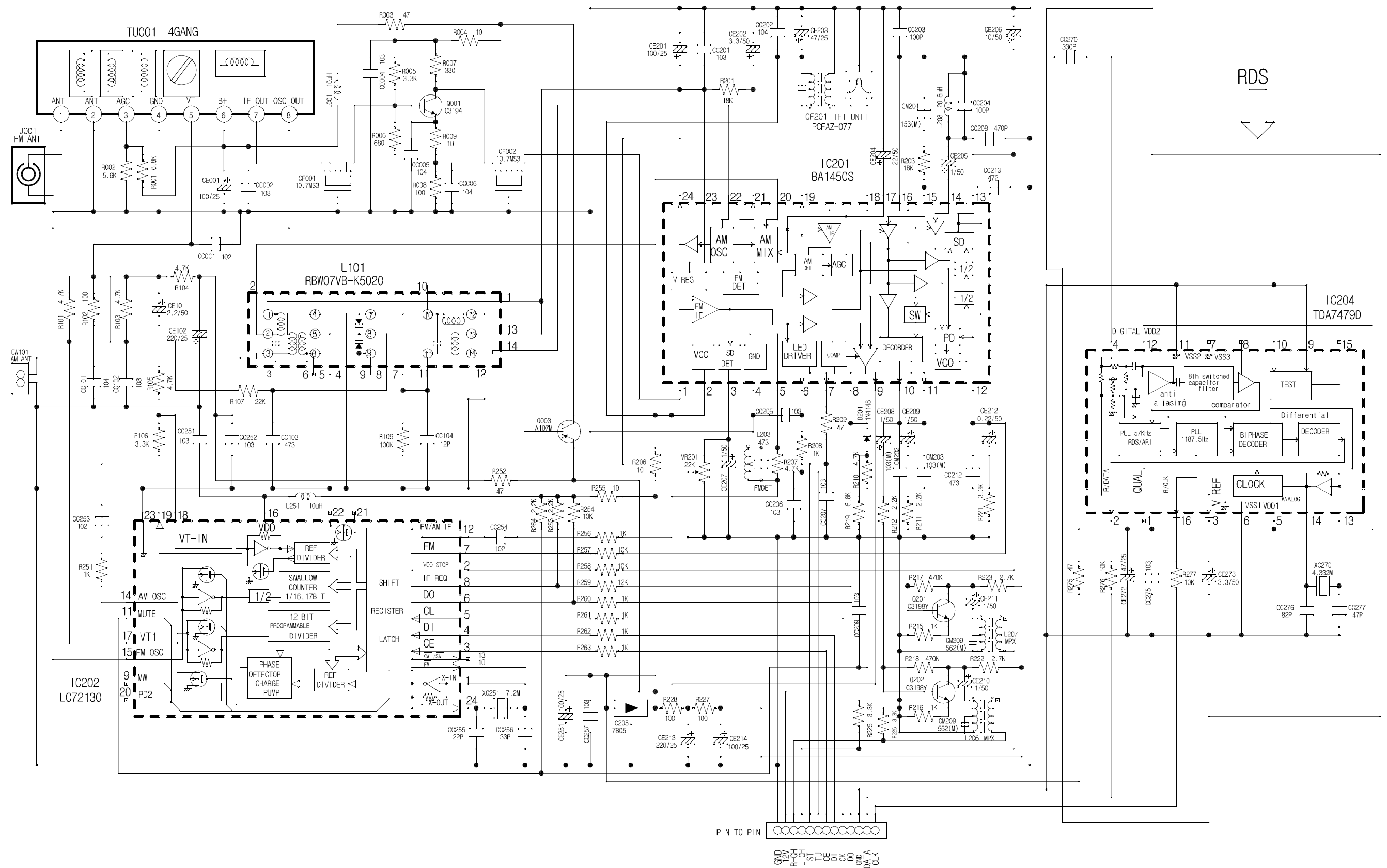
◆ **AMI -316L / 316R /317L / 317R**



◆ TUNER
◆ AMI -316L / 316R /317L / 317R



◆ TUNER-FTZ (OPTIONAL)



◆ CONTROL

◆ AMI - 316L / 316R / 317L / 317R

1. CD MECHA OPTION

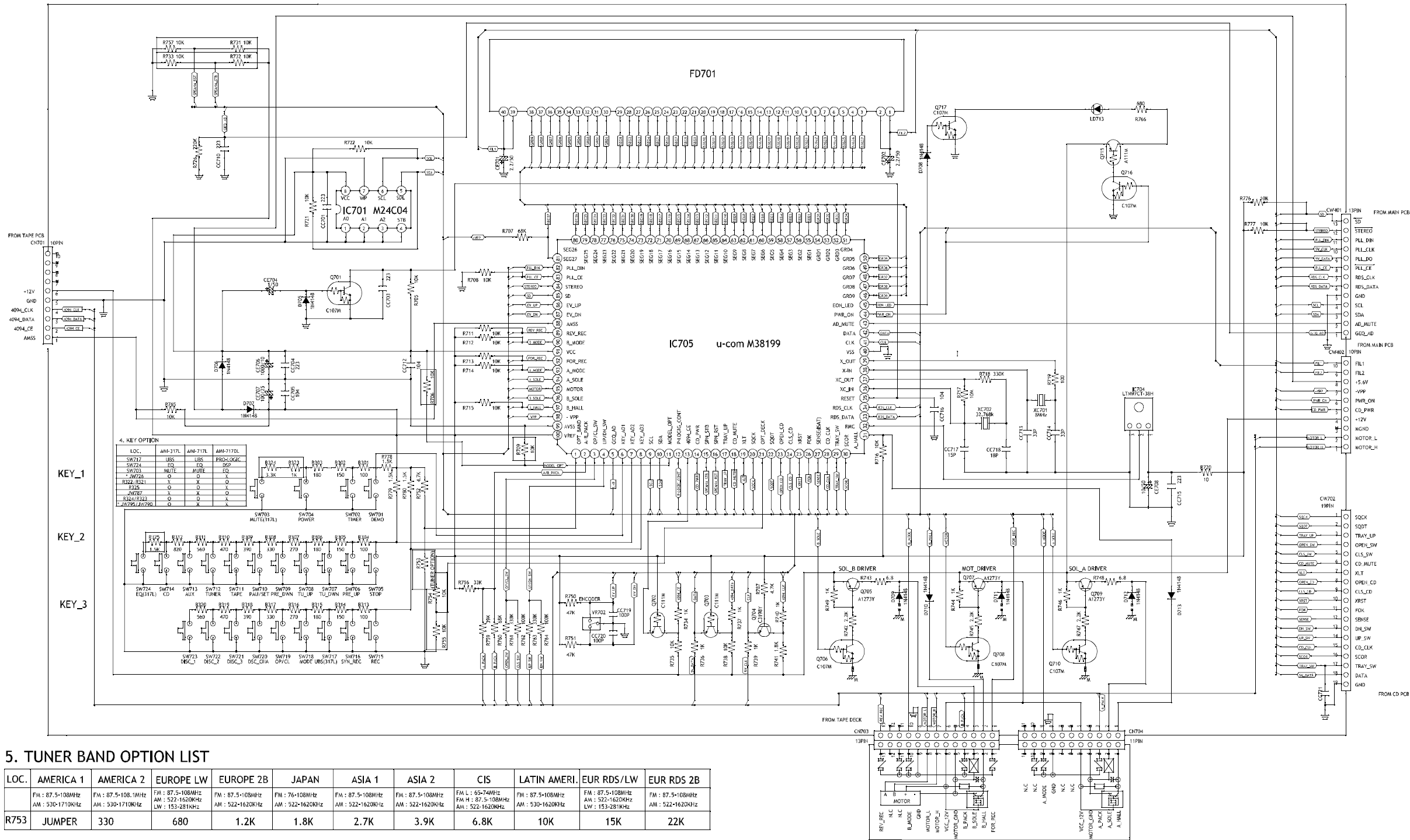
LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.

2. CASSETTE DECK OPTION

LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.

3. MODEL OPTION

LOC.	LOC.	LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.	LOC.	LOC.
LOC.	LOC.	LOC.	LOC.	LOC.	LOC.



6. PCB PATTERN LAYOUT

▶ POWER/AMP/TUNER/TAPE

- AMI-316L/316R/317L/317R

▶ CD

- AMI-316L/316R/317L/317R

- ▶ CONTROL
 - AMI-316L/316R

- AMI-317L/317R

7. ELECTRICAL PARTS LIST

►AMI-316L/316/317L/317R

NO	Parts Name	Parts Code	Description	Q'ty				Location
				317L	317R	316L	317R	
1	AM RF UNIT	5LR0000826	RBW07VB-K5020	1	1	1	1	L101
2	ANT AM LOOP	5LA180K828	LOOP-7	1	1	1	1	AT101
3	ANTENNA FM	9736806000	2M T-ANT	1	1	1	1	AT102
4	C CERA	CCXB1H101K	50V B 100PF K (TAPPING)	1	1	1	1	CC203
5	C CERA	CCXB1H102K	50V B 1000PF K (TAPPING)	3	3	3	3	CC001 CC253 CC254
6	C CERA	CCXB1H272K	50V B 2700PF K (TAPPING)	2	2	2	2	CC801 CC802
7	C CERA	CCXB1H331K	50V B 330PF K (TAPPING)	-	1	-	1	CC270
8	C CERA	CCXB1H472K	50V B 4700PF K (TAPPING)	1	1	1	1	CC213
9	C CERA	CCXB1H561K	50V B 560PF K (TAPPING)	2	2	2	2	CC210 CC211
10	C CERA	CCXB1H682K	50V B 6800PF K (TAPPING)	1	1	1	1	CC204
11	C CERA	CCXB1H821K	50V B 820PF K (TAPPING)	4	4	4	4	CC601 CC602 CC603 CC604
12	C CERA	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	21	22	21	22	CC002 CC004 CC102 CC201 CC205 CC206 CC207 CC209 CC251 CC252 CC257 [CC275] CC501 CC502 CC508 CC507 CC515 CC521 CC529 CC535 CC536 CC607
13	C CERA	CCXF1H104Z	50V F 0.1MF Z	21	21	25	25	CC005 CC006 CC101 CC103 CC202 CC215 CC410 CC504 CC505 CC506 CC511 CC512 CC513 CC526 CC527 CC537 CC544 CC608 [CC703] CC705 [CC706 CC710 CC722 CC723 CC725] [CC712 CC716]
14	C CERA	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	15	15	14	14	CC403 CC407 CC408 CC701 [CC70 CC704 CC710 CC715 CC809 CC916 CC917 CC918 CC921 CC922 CC923 CC212 CC509 CC522 CC528 CC609
15	C CERA	CCXF1H473Z	50V F 0.047MF Z (TAPPING)	5	5	5	5	
16	C CERA	CCZB1E102K	25V B 1000PF K (AXIAL)	3	3	3	3	CC520 CC533 CC534
17	C CERA	CCZB1E151K	25V B 150PF K (AXIAL)	2	2	2	2	CC531 CC532
18	C CERA	CCZB1E152K	25V B 1500PF K (AXIAL)	1	1	1	1	CC523
19	C CERA	CCZB1E222K	25V B 2200PF K (AXIAL)	2	2	2	2	CC510 CC516
20	C CERA	CCZB1E391K	25V B 390PF K (AXIAL)	1	1	1	1	CC508
21	C CERA	CCZB1E472K	25V B 4700PF K (AXIAL)	3	3	3	3	CC518 CC542 CC543
22	C CERA	CCZB1E682K	25V B 6800PF K (AXIAL)	1	1	1	1	CC514
23	C CERA	CXCH1H101J	50V CH 100PF J (TAPPING)	6	6	6	6	CC401 CC402 CC405 CC406 CC719 CC720
24	C CERA	CXCH1H120J	50V CH 12PF J (TAPPING)	1	1	1	1	CC104
25	C CERA	CXCH1H150J	50V CH 15PF J (TAPPING)	1	1	1	1	CC717 [C711]
26	C CERA	CXCH1H180J	50V CH 18PF J (TAPPING)	1	1	1	1	CC718 [C712]
27	C CERA	CXCH1H330J	50V CH 33PF J (TAPPING)	4	4	4	4	CC255 CC256 CC713 CC714
28	C CERA	CXCH1H331J	50V CH 330PF J (TAPPING)	1	1	1	1	CC606
29	C CERA	CXCH1H470J	50V CH 47PF J (TAPPING)	-	1	-	1	CC277
30	C CERA	CXCH1H820J	50V CH 82PF J (TAPPING)	-	1	-	1	CC276
31	C CERA	CZCH1E609K	CH 25V 6PF K AXIAL	1	1	1	1	CC519
32	C CERA	CZCH1E809K	CH 25V 8PF K AXL 52MM	1	1	1	1	CC517
33	C CERA	CZCH1H270J	CH 50V 27PF J AXL 52MM	2	2	2	2	CC524 CC525
34	C ELECTRO	CEXE1A102A	10V RS 1000MF 13X20	-	-	1	1	CE704
35	C ELECTRO	CEXE1C102A	16V RS 1000MF 13X20	1	1	1	1	CE515
36	C ELECTRO	CEXE1H100A	50V RS 10MF (5X11) TP	3	3	3	3	CE603 CE604 CE621
37	C ELECTRO	CEXE1H109A	50V RS 1MF (5X11) TP	5	5	5	5	CE613 CE614 CE615 CE616 CE622
38	C ELECTRO	CEXE1H229A	50V RS 2.2MF (5X11) TP	2	2	2	2	CE606 CE619
39	C ELECTRO	CEXE1H339A	50V RS 3.3MF (5X11) TP	2	2	2	2	CE609 CE617
40	C ELECTRO	CEXE1H478A	50V RS 0.47MF (5X11) TP	1	1	1	1	CE623
41	C ELECTRO	CEXF1A102V	10V RSS 1000MF (10X16) TP	1	1	-	-	CE706
42	C ELECTRO	CEXF1C221V	16V RSS 220MF (8X11.5) TP	5	5	5	5	CE507 CE511 CE512 CE513 CE517
43	C ELECTRO	CEXF1E101V	25V RSS 100MF (6.3X11) TP	9	9	9	9	CE417 CE506 CE508 CE509 CE510 CE514 CE516 CE524 CE707
44	C ELECTRO	CEXF1E222V	25V RSS 2200MF (16X25) TP	2	2	2	2	CE901 CE902
45	C ELECTRO	CEXF1E470V	25V RSS 47MF (5X11) TP	19	20	19	20	CE001 CE102 CE201 CE203 CE213 CE214 CE251 [CE272] CE518 CE523 CE601 CE602 CE605 CE607 CE608 CE611 CE612 CE618 CE620 CE624
46	C ELECTRO	CEXF1H100V	50V RSS 10MF (5X11) TP	11	11	11	11	CE206 CE411 CE412 CE413 CE414 CE418 CE501 CE504 CE708 CE803 CE804
47	C ELECTRO	CEXF1H109V	50V RSS 1MF (5X11) TP	10	10	10	10	CE205 CE207 CE208 CE209 CE210 CE211 CE704 CE801 CE802 CE805
48	C ELECTRO	CEXF1H220V	50V RSS 22MF (5X11) TP	1	1	1	1	CE204
49	C ELECTRO	CEXF1H228V	50V RSS 0.22MF (5X11) TP	1	1	1	1	CE212
50	C ELECTRO	CEXF1H229V	50V RSS 2.2MF (5X11) TP	14	14	14	14	CE101 CE401 CE402 CE403 CE404 CE405 CE406 CE407 CE408 CE415 CE416 CE610 [CE701 CE702] [CE706 CE707]
51	C ELECTRO	CEXF1H339V	50V RSS 3.3MF (5X11) TP	1	2	1	2	CE202 [CE273]
52	C ELECTRO	CEXF1H470V	50V RSS 47MF (6.3X11) TP	4	4	4	4	CE911 CE912 CE913 CE914
53	C ELECTRO	CEXF1H478V	50V RSS 0.47MF (5X11) TP	3	3	3	3	CE502 CE503 CE505
54	C ELECTRO	CEXF1H479V	50V RSS 4.7MF (5X11) TP	4	4	4	4	CE519 CE520 CE521 CE522
55	C ELECTRO	CEXF1V102V	35V RSS 1000MF (13X25) TP	1	1	1	1	CE903

NO	Parts Name	Parts Code	Description	Q'ty				Location			
				317L	317R	316L	317R				
56	C MYLAR	CMXM1H102J	50V 0.001MF J (TP)	4	4	4	4	CM601	CM602	CM605	CM606
57	C MYLAR	CMXM1H103J	50V 0.01MF J (TP)	4	4	4	4	CM202	CM203	CM204	CM205
58	C MYLAR	CMXM1H104J	50V 0.1MF J	6	6	6	6	CM405	CM406	CM407	CM408
59	C MYLAR	CMXM1H122J	50V 0.0012MF J	2	2	2	2	CM505	CM506		
60	C MYLAR	CMXM1H152J	50V 1500PF J	2	2	2	2	CM615	CM616		
61	C MYLAR	CMXM1H153J	50V 0.015MF J (TP)	2	2	2	2	CM201	CM613		
62	C MYLAR	CMXM1H183J	50V 0.018MF J	5	5	5	5	CM401	CM402	CM503	CM603
63	C MYLAR	CMXM1H222J	50V 2200PF J	1	1	1	1	CM611			
64	C MYLAR	CMXM1H223J	50V 0.022MF J	4	4	4	4	CM403	CM404	CM901	CM902
65	C MYLAR	CMXM1H332J	50V 3300 PF J	1	1	1	1	CM612			
66	C MYLAR	CMXM1H333J	50V 0.033MF J (TP)	2	2	2	2	CM501	CM504		
67	C MYLAR	CMXM1H392J	50V 0.0039MF J	1	1	1	1	CM614			
68	C MYLAR	CMXM1H473J	50V 0.047MF J	2	2	2	2	CM609	CM610		
69	C MYLAR	CMXM1H562J	50V 5600 PF J	6	6	6	6	CM206	CM207	CM409	CM410
70	C MYLAR	CMXM1H683J	50V 0.068 MF J	1	1	1	1	CM502			
71	CLIP FUSE	9734600700	FC-5N	2	2	2	2	FC901	FC902		
72	COIL BIAS OSC	5L0503K643	SM-10F 5.04MH	1	1	1	1	L601			
73	COIL CHOKE	5LC682K822	6.8MH	2	2	2	2	L204	L205		
74	COIL DISCRIMINATOR	5107FBK473	7X7 BLK KSZ-73S	1	1	1	1	L203			
75	COIL PEAKING	5CPZ100K02	10UH K (AXIAL 3.5MM)	2	2	2	2	L001	L251		
76	CONN AS	9736407600	PIN BASE 53095-1310 13P	2	2	2	2	CN401	CW401		
77	CONN AS	9738832100	7P 200 P=2.5 BOARDIN	1	1	1	1	CN509	CW509		
78	CONN AS	9738833300	UL2851 #28 3P SHIELD 250M	1	1	1	1	CN603	CW603		
79	CONN AS	9738833400	#28 3P+2P SHIELD 300MM	1	1	1	1	CN602	CW602		
80	CONN AS	9738833600	#26 5P FLAT 170MM	2	2	2	2	CN601	CN701	CW601	
81	CONN AS	9738833800	#26 8P BOARD-IN 300MM	1	1	1	1	CN901			
82	CONN AS	9738833900	#22 8P BOARD-IN 300MM	1	1	1	1	CN901	CW901		
83	CONN AS	9738834000	#26 2.0PITCH 11P FLAT 150	1	1	1	1	CN704			
84	CONN AS	9738834100	#26 13P FLAT 100MM	1	1	1	1	CN703			
85	CONN AS	9738840800	FFC 16P P1.0X250MM R	1	1	1	1	CN501			
86	CONN AS	9738840900	FFC 19P P1.25X110MM K	1	1	1	1	CN508			
87	CONN PIN	9736407800	53095-1010 10PIN ANGLE	2	2	2	2	CN402	CW402		
88	CONN WAFER	9736407900	52084-1010 10P BOTTOM	1	1	1	1	CW402			
89	CONN WAFER	9736408300	52492-1920 19P BOTTOM	1	1	1	1	CW702			
90	CONN WAFER	9736408400	52045-1945 19P	1	1	1	1	CW508			
91	CONN WAFER	9CD6258800	2P S2B-XH-A	1	1	1	1	CW101			
92	CONN WAFER	9CD6259300	52807-1610	1	1	1	1	CW501			
93	CONN WAFER	9CD6259400	2001-WS-12P	1	1	1	1	CW507			
94	CONN WAFER	9CD6259500	2001-WS-6P	1	1	1	1	CW503			
95	CONN WAFER	9CD6259600	2503-WS-2P	1	1	1	1	CW502			
96	CORD AC	9736900200	KKP419C,KLCE-2F,0.75SQURE	1	1	1	1	CD901			
97	CRYSTAL QUARTZ	5XA32R768-	DT-38 32.768KHZ 20PPM	1	1	1	1	XC702			
98	DIODE	D1N4001-	1N4001	4	4	4	4	D901	D902	D911	D912
99	DIODE	DRL202--	RL202	4	4	4	4	D904	D905	D906	D907
100	DIODE	DZN4148-	1N4148 AUTO 52MM	18	19	19	20	D201	D401	D402	D403
								D501	D502	D601	D602
								[D705]	D704	D706	D707
								D709	D710	D711	D712
								D801			[D713]
101	DIODE ZENER	DZTZ30B-	MTZ30B	1	1	1	1	DZ901			
102	DIODE ZENER	DZTZ3R9B--	MTZ3.9B	1	1	1	1	DZ502			
103	DIODE ZENER	DZTZ5R6B--	UZ-5.6B	3	3	3	3	DZ501	DZ503	DZ504	
104	DIODE ZENER	DZTZ6R2B--	MTZ6.2B	1	1	1	1	DZ902			
105	FET	TKTK117Y--	KT117(Y)	2	2	2	2	Q601	Q602		
106	FILTER	5PPCFAZ077	PCFAZ077	1	1	1	1	CF201			
107	FILTER CERA	5PE107MJA-	SFE 10.7MHZ RED	1	1	1	1	CF002			
108	FILTER CERA	5PE107MS2A	SFE107MS2-A	1	1	1	1	CF001			
109	FUSE GLASS TUBE	5FSGB4012L	SEMKO TL 400MA 250V MF51	1	1	1	1	F901			
110	IC	1BA1450S--	BA1450S	1	1	1	1	IC201			
111	IC	1BU4094BCF	BU4094BCF(SOP16)	1	1	1	1	IC603			
112	IC	1DBL2084--	DBL2084(D/W)	2	2	2	2	IC504	IC506		
113	IC	1L4959--	L4959	1	1	1	1	IC901			
114	IC	1LC72130--	LC72130	1	1	1	1	IC202			
115	IC	1M24C04-	M24C04-BN6	1	1	1	1	IC701			
116	IC	1M38199316	U-COM M38199	1	1	1	1	IC705			
117	IC	1TA8189N--	TA8189N	1	1	1	1	IC601			
118	IC	1TDA7265--	TDA7265	1	1	1	1	IC801			
119	IC	1TDA7479D-	TDA7479D	-	1	-	1	IC204			
120	IC AMSS	1LA2000-	LA2000	1	1	1	1	IC604			
121	IC AUDIO	1KA9270-	KA9270	1	1	1	1	IC505			
122	IC AUDIO	1TDA7439--	TDA7439	1	1	1	1	IC401			
123	IC AUDIO DSP	1KA9282B--	KA9282B	1	1	1	1	IC502			
124	IC CHIP	1KA9258D--	KA9258D	1	1	1	1	IC503			
125	IC CHIP RF	1KA9220B--	KA9220B	1	1	1	1	IC501			
126	IC PRE AMP	1TM97CT38P	LTM97CT-38P	1	1	1	1	IC704			
127	IC REGULATOR	1K1A78L05-	KIA78L05BP	1	1	1	1	IC205			

NO	Parts Name	Parts Code	Description	Q'ty				Location
				317L	317R	316L	317R	
128	IC SWITCHING	1BA7755A--	BA7755A (HEAD SW)	1	1	1	1	IC602
129	JACK ANTENNA	9736322200	T-646	1	1	1	1	J001
130	JACK HEADPHONE	9766319501	HTJ-064-05B GOLD	1	1	1	1	J801
131	JACK RCA	9CD6313700	S-436P	1	1	1	1	J401
132	JACK SPEAKER	9736320500	CJ-9007-040	1	1	1	1	J802
133	LED	DLTL307EE-	LTL-307EE(RED)PI5	-	1	-	1	LD713
134	PIN WAFER	9736407700	52084-1310 13P BOTTOM	1	1	1	1	CW401
135	PIN WRAPPING	9713550400	1.0X2.5X15	6	6	6	6	TP501 TP502 TP503 TP504 TP901 TP902
136	R CARBON FILM	RD-2Y229J-	1/2 2.2 OHM J	1	1	1	1	R550
137	R CARBON FILM	RD-4Z100J-	1/4 10 OHM J	2	2	2	2	R588 R589
138	R CARBON FILM	RD-4Z102J-	1/4 1K OHM J	4	4	4	4	R815 R816 R817 R818
139	R CARBON FILM	RD-4Z479J-	1/4 4.7 OHM J	2	2	2	2	R809 R810
140	R CARBON FILM	RD-AZ100J-	1/6 10 OHM J	7	7	7	7	R004 R009 R206 R255 R545 R720 R921
141	R CARBON FILM	RD-AZ101J-	1/6 100 OHM J	15	15	15	15	R008 R102 R227 R228 R301 R304 R313 R436 R437 R546 R654 R663 R664 R672 R719
142	R CARBON FILM	RD-AZ102J-	1/6 1K OHM J	41	41	41	41	R208 R215 R216 R251 R256 R260 R261 R262 R263 R323 R409 R410 R423 R424 R431 R432 R511 R521 R522 R563 R564 R580 R601 R602 R603 R604 R613 R614 R647 R648 R659 R734 R736 R737 R739 R740 R744 R746 R74
143	R CARBON FILM	RD-AZ103J-	1/6 10K OHM J	38	40	36	38	L208 R213 R214 R254 R257 R258 [R276 R277] R579 R619 R620 R624 R639 R640 R641 R642 [R701 R702 R704 R707] [R705 R708] R709 R711 [R712] [R713] R714 R715 R716 R721 R722 [R727 R730] R733 R735 R738 [R747] R754 R757 R7
144	R CARBON FILM	RD-AZ104J-	1/6 100K OHM J	26	26	26	26	R109 R421 R422 R425 R426 R433 R434 R439 R440 R443 R445 R502 R510 R518 R519 R548 R549 R567 R568 R584 R585 R671 R762 R764 R823 R824
145	R CARBON FILM	RD-AZ105J-	1/6 1M OHM J	6	6	6	6	R505 R508 R559 R560 R622 R665
146	R CARBON FILM	RD-AZ106J-	1/6 10M OHM J	1	1	1	1	R717[R759]
147	R CARBON FILM	RD-AZ109J-	1/6 1 OHM J	2	2	2	2	R939 R940
148	R CARBON FILM	RD-AZ121J-	1/6 120 OHM J	1	1	1	1	R551
149	R CARBON FILM	RD-AZ122J-	1/6 1.2K OHM J	2	2	2	2	R405 R406
150	R CARBON FILM	RD-AZ123J-	1/6 12K OHM J	10	10	10	10	R259 R509 R523 R531 R532 R533 R538 R539 R557 R558
151	R CARBON FILM	RD-AZ124J-	1/6 120K OHM J	1	1	1	1	R513
152	R CARBON FILM	RD-AZ151J-	1/6 150 OHM J	5	5	5	5	R302 R305 R314 R627 R628
153	R CARBON FILM	RD-AZ152J-	1/6 1.5K OHM J	4	4	3	3	R325 R778 R779 R780
154	R CARBON FILM	RD-AZ153J-	1/6 15K OHM J	10	10	11	11	[R371] R403 R404 R411 R412 R515 R553 R554 R643 R644 R822
155	R CARBON FILM	RD-AZ154J-	1/6 150K OHM J	3	3	3	3	R503 R525 R821
156	R CARBON FILM	RD-AZ181J-	1/6 180 OHM J	3	3	2	3	R303 R306 R315 [R353 R362 R780]
157	R CARBON FILM	RD-AZ182J-	1/6 1.8K OHM J	3	3	3	3	R413 R414 [R741 R733]
158	R CARBON FILM	RD-AZ183J-	1/6 18K OHM J	5	5	5	5	R201 R203 R526 R813 R814
159	R CARBON FILM	RD-AZ184J-	1/6 180K OHM J	6	6	6	6	R504 R625 R626 R637 R638 R651
160	R CARBON FILM	RD-AZ220J-	1/6 22 OHM J	1	1	1	1	R534
161	R CARBON FILM	RD-AZ221J-	1/6 220 OHM J	4	4	4	4	R441 R552 R933 R934
162	R CARBON FILM	RD-AZ222J-	1/6 2.2K OHM J	10	10	10	10	R211 R212 R253 R264 R407 R408 [R737 R740] R581 R742 R747
163	R CARBON FILM	RD-AZ223J-	1/6 22K OHM J	7	7	7	7	R107 R528 R530 R615 R616 [R724] R753 R911
164	R CARBON FILM	RD-AZ224J-	1/6 220K OHM J	3	3	3	3	R629 R630 R726
165	R CARBON FILM	RD-AZ271J-	1/6 270 OHM J	2	2	2	2	R307 R316 [R354 R363]
166	R CARBON FILM	RD-AZ272J-	1/6 2.7K OHM J	8	8	8	8	R222 R223 R427 R428 R611 R612 R617 R618
167	R CARBON FILM	RD-AZ273J-	1/6 27K OHM J	3	3	3	3	R542 R555 R556
168	R CARBON FILM	RD-AZ331J-	1/6 330 OHM J	4	4	4	4	R007 [R308 R317] [R355 R364] R670

NO	Parts Name	Parts Code	Description	Q'ty				Location
				317L	317R	316L	317R	
169	R CARBON FILM	RD-AZ332J-	1/6 3.3K OHM J	8	8	7	7	R005 R106 R221 [R324] R516 R541 R543 R922
170	R CARBON FILM	RD-AZ333J-	1/6 33K OHM J	4	4	4	4	R621 R655 R656 R756 [R716]
171	R CARBON FILM	RD-AZ334J-	1/6 330K OHM J	5	5	5	5	R650 R673 [R718 R761] R763 [R760 R776 R779]
172	R CARBON FILM	RD-AZ391J-	1/6 390 OHM J	3	3	2	2	R309 R318 R767 [R356 R365]
173	R CARBON FILM	RD-AZ392J-	1/6 3.9K OHM J	5	5	6	6	[R373] R415 R416 R529 R633 R634
174	R CARBON FILM	RD-AZ393J-	1/6 39K OHM J	6	6	6	6	R520 R537 R572 R586 R587 R759 [R718]
175	R CARBON FILM	RD-AZ470J-	1/6 47 OHM J	4	5	4	5	R003 R209 R252 [R275] R657
176	R CARBON FILM	RD-AZ471J-	1/6 470 OHM J	2	2	2	2	R310 R319 [R357 R366]
177	R CARBON FILM	RD-AZ472J-	1/6 4.7K OHM J	27	27	28	28	R101 R103 R104 R105 R207 R210 R547 R561 R562 R565 R566 R573 R574 R575 R576 R577 R578 R582 R583 R645 R646 R662 R669 [R722 R723] R752 R787 [R788] R831 R832
178	R CARBON FILM	RD-AZ473J-	1/6 47K OHM J	7	7	9	10	R512 R653 R658 R745 R746 [R750][R751] [R765 R772] [R781] R914 R915
179	R CARBON FILM	RD-AZ474J-	1/6 470K OHM J	7	7	7	7	R217 R218 R442 R444 R501 R540 R661
180	R CARBON FILM	RD-AZ475J-	1/6 4.7M OHM J	1	1	1	1	R901
181	R CARBON FILM	RD-AZ479J-	1/6 4.7 OHM J	1	1	1	1	R652 [R652]
182	R CARBON FILM	RD-AZ561J-	1/6 560 OHM J	6	6	6	6	R311 R320 R569 R570 R571 R668
183	R CARBON FILM	RD-AZ562J-	1/6 5.6K OHM J	3	3	3	3	R429 R430 R527
184	R CARBON FILM	RD-AZ563J-	1/6 56K OHM J	4	4	4	4	R514 R517 R805 R806
185	R CARBON FILM	RD-AZ681J-	1/6 680 OHM J	2	2	1	1	R006 [R766]
186	R CARBON FILM	RD-AZ682J-	1/6 6.8K OHM J	5	5	5	5	R219 R609 R610 R631 R632 R607 R608 R623 R649 [R707 R760 R717 R784]
187	R CARBON FILM	RD-AZ683J-	1/6 68K OHM J	6	6	6	6	R743 R748 [R739 R744]
188	R CARBON FILM	RD-AZ689J-	1/6 6.8 OHM J	2	2	2	2	R506 R605 R606
189	R CARBON FILM	RD-AZ820J-	1/6 82 OHM J	3	3	3	3	R312 R635 R636 R807 R808 [R359 R368]
190	R CARBON FILM	RD-AZ821J-	1/6 820 OHM J	5	5	6	6	R401 R402 R507 R524
191	R CARBON FILM	RD-AZ822J-	1/6 8.2K OHM J	4	4	4	4	R535 R536
192	R CARBON FILM	RD-AZ823J-	1/6 82K OHM J	2	2	2	2	RF901 RF902
193	R FUSIBLE	RF01F4780J	0.47OHM 1W	2	2	2	2	RV601
194	R SEMI FIXED	RV1417222-	1/10 2.2K OHM B V6EK-PV1S	1	1	1	1	RV201 RV501 RV502
195	R SEMI FIXED	RV6417223-	VM6CK-PV(1S) B 22K OHM	3	3	3	3	XC701
196	RESONATOR	5PCSA8MTZ-	CSA8MTZ, 8MHZ	1	1	1	1	XC501
197	RESONATOR CERA	5PCSA16R93	CSA16.93MXZ04	1	1	1	1	VR702 [VR701]
198	SW ENCORDER	5SH162401-	EC16B24204 24P W/DETENT	1	1	1	1	SW701 SW702 SW703 SW704 SW705 SW706 SW707 SW708 SW709 SW710 SW711 SW712 SW713 SW714 SW715 SW716 SW717 SW718 SW719 SW720 SW721 SW722 SW723 SW724[SW726]
199	SW TACT	5S50101001	KPT-1105A 1C-1P	24	24	25	25	Q003
200	TR	TKRA107M--	KRA107M (KSR2006)	1	1	1	1	Q715
201	TR	TKRA111M--	KRA111-M TAPPING(KSR2010)	-	1	-	-	Q701 [Q706] Q708 Q710 [Q717]
202	TR	TKRC107M--	KRC107-M TAPPING(KSR1006)	4	5	4	4	Q702 Q703 [Q716]
203	TR	TKRC111M--	KRC111M (KSR1010)	2	3	2	2	Q501 Q502
204	TR	TKSA928AY-	KSA928A-Y	2	2	2	2	Q503
205	TR	TKSC2331Y-	KSC2331Y	1	1	1	1	Q504
206	TR	TKSR1003--	KSR1003	1	1	1	1	Q613 Q614
207	TR	TZRA107M--	KRA107M (KSR2006)	2	2	2	2	Q610 Q611 Q803
208	TR	TZRA111M--	KRA111M	3	3	3	3	Q618
209	TR	TZRC107M--	KRC107M(AUTO)	1	1	1	1	Q612 Q616 Q619
210	TR	TZRC111M--	KRC111M	3	3	3	3	Q603 Q604 Q617
211	TR	TZTA1266Y-	KTA1266Y- (AUTO)(1015Y)	3	3	3	3	Q615 Q705 Q707 Q709 Q901
212	TR	TZTA1273Y-	KTA1273Y(966Y)	5	5	5	5	Q001
213	TR	TZTC3194Y-	KTC3194Y	1	1	1	1	Q201 Q202 Q505 Q605 Q606 Q607 Q608 Q609 Q704 Q801 Q802 Q804
214	TR	TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)	12	12	12	12	PT901
215	TRANS POWER	5TP8066762	EI=66X30	1	1	1	1	TU001
216	TUNER PACK	9737612700	FTA3-503V	1	1	1	1	FD701
217	VFD	DSVA09MM10	SVA09MM10	1	1	1	1	R827 R829
218	WIRE JUMPER	W581GY1005	AWG22 1/0.65 SN 10 AUTO	2	2	2	2	CC709
219	WIRE JUMPER	W581GY5095	AWG22 1/0.65 SN 5 AUTO	1	1	-	-	[L270] R002
220	WIRE JUMPER	W581GY6095	AWG22 1/0.65 SN 6 AUTO	1	2	1	2	R703
221	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	1	1	-	-	XC270
222	X-TAL	5XA4R332M-	4.332M	-	1	-	1	XC251
223	X-TAL	5XA7R20000	7.2M	1	1	1	1	