



Technical Manual

AM/FM STEREO TUNER RT-955

Table of Contents

- Specification.....1
- Parts List2~5
- Adjustment.....6~12
- PCB Assembly13~15
- Schematic Diagram16~22

Specification

FM Tuner

Usable Sensitivity:	12.2 dBf
50dB Quieting Sensitivity:	20.2 dBf (mono) 45.3 dBf (stereo)
Signal to Noise Ratio (at 65 dBf):	75 dBf (mono) 72 dBf (stereo)
Harmonic Distortion (at 65 dBf):	0.2 % (mono) 0.3 % (stereo)
Frequency Response:	10 Hz - 15 kHz, ± 3 dB
Capture Ratio:	2.0 dB
Alternate Channel Selectivity:	47 dB (± 400 KHz)
Spurious Response Ratio:	90 dB
Image Rejection Ratio:	80 dB
IF Rejection Ratio:	80 dB
AM Suppression Ratio:	55 dB
Stereo Separation (100Hz/1 KHz/10 KHz):	40 dB/45 dB/35 dB
Output level:	1.2V
Antenna Input:	75 ohms unbalanced

AM Tuner

Usable Sensitivity:	300 μV/m
Selectivity:	25 dB
Harmonic Distortion :	0.5 %
Image Rejection Ratio:	45 dB
Signal to Noise Ratio:	48 dB
Output level:	165 mV
Antenna Input:	Loop Antenna

General

Power Consumption:	10 Watts
Power Requirements (AC):	120 volts, 60 Hz (USA version) 230 volts, 50 Hz (European version)
Weight:	3.7 kg/8.2 lb.
Dimensions (W x H x D):	440 x 72 x 286 mm 17 3/8" x 2 7/8" x 11 1/4"

THE ROTEL CO., LTD

SHINSEN-BLD. 4F 10-10 SHINSEN-CHO, SHIBUYA-KU,
TOKYO 150-0045, JAPAN

Serial. NO. Beginning

Parts List-1

SYMBOL	PARTS NO.	DESCRIPTION	SYMBOL	PARTS NO.	DESCRIPTION
X-1273-01 PCB ASSEMBLY					
ANT200	ANTENNA TERMINAL 1P	ANTENNA-A	C304	0.047UF	CERAMIC CAPACITOR
ANT201	ANTENNA TERMINAL 3P	ANTENNA-B	C306-308	0.022UF	CERAMIC CAPACITOR
C201.202	0.01UF	CERAMIC CAPACITOR	C309	220PF	CERAMIC CAPACITOR
C203	0.022UF	CERAMIC CAPACITOR	C311.312	0.022UF	CERAMIC CAPACITOR
C204	100UF/16V	ELECTRIC CAPACITOR	C313	47UF/16V	ELECTRIC CAPACITOR
C205.206	33PF-CH	CERAMIC CAPACITOR(CH TYPE)	C314	0.022UF	CERAMIC CAPACITOR
C207-210	1000PF	CERAMIC CAPACITOR	C316	1000PF	CERAMIC CAPACITOR
C211.212	0.022UF	CERAMIC CAPACITOR	C317	0.047UF-M	MYLAR CAPACITOR
C213	0.01UF	CERAMIC CAPACITOR	C318	0.056UF-M	MYLAR CAPACITOR
C214	3.3UF/50V	ELECTRIC CAPACITOR	C319	0.022UF	CERAMIC CAPACITOR
C215	0.022UF	CERAMIC CAPACITOR	C321	100UF/16V	ELECTRIC CAPACITOR
C216	100UF/16V	ELECTRIC CAPACITOR	C322	0.01UF	CERAMIC CAPACITOR
C217	0.022UF	CERAMIC CAPACITOR	C323.324	0.022UF	CERAMIC CAPACITOR
C218	47UF/16V	ELECTRIC CAPACITOR	C325	3.3UF/50V	ELECTRIC CAPACITOR
C219	0.022UF	CERAMIC CAPACITOR	C326	4.7UF/50V	ELECTRIC CAPACITOR
C221	0.022UF	CERAMIC CAPACITOR	C327	1UF/50V	ELECTRIC CAPACITOR
C222	47UF/16V	ELECTRIC CAPACITOR	C328	470PF	CERAMIC CAPACITOR
C223-236	0.022UF	CERAMIC CAPACITOR	C329	0.047UF	CERAMIC CAPACITOR
C237	100PF	CERAMIC CAPACITOR	C330	0.022UF-M	MYLAR CAPACITOR
C238-241	0.047UF	CERAMIC CAPACITOR	C401	0.022UF	CERAMIC CAPACITOR
C242	150PF	CERAMIC CAPACITOR	C402-404	47UF/16V	ELECTRIC CAPACITOR
C243	0.022UF	CERAMIC CAPACITOR	C405.406	0.0033UF	CERAMIC CAPACITOR
C245.246	0.022UF	CERAMIC CAPACITOR	C407.408	0.01UF	CERAMIC CAPACITOR
C247	1UF/50V	ELECTRIC CAPACITOR	C409	10UF/50V	ELECTRIC CAPACITOR
C248	0.022UF	CERAMIC CAPACITOR	C411	4.7UF/50V	ELECTRIC CAPACITOR
C249	1UF/50V	ELECTRIC CAPACITOR	C412	10UF/50V	ELECTRIC CAPACITOR
C250.251	0.022UF	CERAMIC CAPACITOR	C413	4.7UF/50V	ELECTRIC CAPACITOR
C252	100UF/16V	ELECTRIC CAPACITOR	C414	0.022UF-M	MYLAR CAPACITOR
C253	0.022UF	CERAMIC CAPACITOR	C415.416	0.0033UF-M	MYLAR CAPACITOR
C254	1UF/50V	ELECTRIC CAPACITOR	C417	0.0068UF-M	MYLAR CAPACITOR
C255	0.047UF	CERAMIC CAPACITOR	C501	3300UF/35V	ELECTRIC CAPACITOR
C257	0.022UF	CERAMIC CAPACITOR	C502	47UF/50V	ELECTRIC CAPACITOR
C259	0.047UF	CERAMIC CAPACITOR	C503	0.068UF-M	MYLAR CAPACITOR
C260	680PF	CERAMIC CAPACITOR	C504	4.7UF/50V	ELECTRIC CAPACITOR
C261	0.47UF/50V	ELECTRIC CAPACITOR	C505	0.068UF-M	MYLAR CAPACITOR
C262	1UF/50V	ELECTRIC CAPACITOR	C506.507	0.022UF	CERAMIC CAPACITOR
C263	0.047UF	CERAMIC CAPACITOR	C508	10UF/50V	ELECTRIC CAPACITOR
C264.265	1UF/50V	ELECTRIC CAPACITOR	C509	0.022UF	CERAMIC CAPACITOR
C266	0.01UF	CERAMIC CAPACITOR	C511	47UF/16V	ELECTRIC CAPACITOR
C267	0.022UF	CERAMIC CAPACITOR	C512	220UF/16V	ELECTRIC CAPACITOR
C268.269	0.47UF/50V	ELECTRIC CAPACITOR	C513.514	47UF/16V	ELECTRIC CAPACITOR
C270	4.7UF/50V	ELECTRIC CAPACITOR	C515	47UF/35V	ELECTRIC CAPACITOR
C271	0.047UF	CERAMIC CAPACITOR	C516	2.2UF/50V	ELECTRIC CAPACITOR
C272	0.01UF	CERAMIC CAPACITOR	CL201.202	22UF/16V	ELECTRIC CAPACITOR
C273	0.022UF	CERAMIC CAPACITOR	CL203	0.0039UF-M	MYLAR CAPACITOR
C274	10UF/50V	ELECTRIC CAPACITOR	CL204	1000PF	CERAMIC CAPACITOR
C275	68PF	CERAMIC CAPACITOR	CL271	270PF	CERAMIC CAPACITOR
C276	330PF	CERAMIC CAPACITOR	CL273	120PF	CERAMIC CAPACITOR
C278.279	10UF/50V	ELECTRIC CAPACITOR	CL277	100PF	CERAMIC CAPACITOR
C280	270PF	CERAMIC CAPACITOR	CR201.202	22UF/16V	ELECTRIC CAPACITOR
C281	33UF/35V	ELECTRIC CAPACITOR	CR203	0.0039UF-M	MYLAR CAPACITOR
C282-284	100UF/16V	ELECTRIC CAPACITOR	CR204	1000PF	CERAMIC CAPACITOR
C285	0.022UF	CERAMIC CAPACITOR	CR271	270PF	CERAMIC CAPACITOR
C301	470PF-POLY	FILM CAPACITOR	CR273	120PF	CERAMIC CAPACITOR
C302	18PF-CH	CERAMIC CAPACITOR(CH TYPE)	CR277	100PF	CERAMIC CAPACITOR

Parts List-2

SYMBOL	PARTS NO.	DESCRIPTION	SYMBOL	PARTS NO.	DESCRIPTION
CF201.202	FM FILTER 10.7MM-A	FM IF CERAMIC FILTER	Q503	KTC3198Y	TRANSISTOR
CF203	FM FILTER 10.7MJA10-A	FM IF CERAMIC FILTER	Q504	DTC114Y	TRANSISTOR
CF204	FM FILTER 10.7MM-A	FM IF CERAMIC FILTER	Q505	DTA114Y	TRANSISTOR
CF205	CSB456F11	CERAMIC RESONATOR	Q506	KTC3198Y	TRANSISTOR
CF301	SFPS450H	FILTER FOR AM	QL201	KTD1303	TRANSISTOR
D201	1N4004	SWITCHING DIODE	QR201	KTD1303	TRANSISTOR
D202-205	1N4148	SWITCHING DIODE	R201	4.7K	RESISTOR 5%
D208	ZENER 5.1V	ZENER DIODE	R202	82R	RESISTOR 5%
D209-212	1N4148	SWITCHING DIODE	R203.204	100K	RESISTOR 5%
D301.302	KV1236Z	VARACTOR DIODE	R205	1K	RESISTOR 5%
D303-305	1N4148	SWITCHING DIODE	R207.208	100K	RESISTOR 5%
D307.308	1N4148	SWITCHING DIODE	R211-213	220R	RESISTOR 5%
D401	ZENER 5.1V	ZENER DIODE	R214-218	1K	RESISTOR 5%
D501-505	1N4004	SWITCHING DIODE	R222	220R	RESISTOR 5%
D506	ZENER 30V	ZENER DIODE	R223	560R	RESISTOR 5%
D507	ZENER 6.2V	ZENER DIODE	R224	10K	RESISTOR 5%
D508	ZENER 12V	ZENER DIODE	R225	5.6K	RESISTOR 5%
D509	1N4148	SWITCHING DIODE	R226	330R	RESISTOR 5%
D510	ZENER 5.6V	ZENER DIODE	R231.232	220R	RESISTOR 5%
D511	1N4004	SWITCHING DIODE	R233	1K	RESISTOR 5%
F501.502	036 5ST500	MINI FUSE 250V T500MA	R236	330R	RESISTOR 5%
FFE200	FTA4-460H	FM FRONT-END	R238	27K	RESISTOR 5%
IC201	LC72191M	PLL IC	R239	330R	RESISTOR 5%
IC202	LA1235	SIGNAL METER IC	R240	150R	RESISTOR 5%
IC203	LA1235	FM IF IC	R241	470R	RESISTOR 5%
IC204	LA3450	MPX IC	R242	330R	RESISTOR 5%
IC205	NJM072DE	DUAL OP AMP	R243	15K	RESISTOR 5%
IC301	LA1245	AM IF IC	R244	390R	RESISTOR 5%
IC401	LA2230	RDS IC	R245	6.8K	RESISTOR 5%
IC501	NJM317F	REGULATOR IC	R246	3.3K	RESISTOR 5%
☆	HEAT SINK(24X17X30)	REG.IC HEAT SINKER	R247	22R	RESISTOR 5%
ICM101	LTV817	PHOTO COUPLER IC	R248	390R	RESISTOR 5%
J321	4.7K	RESISTOR 5%	R249	330R	RESISTOR 5%
JACK1	MINI JACK	MULTI-ROOM JACK	R250	4.7K	RESISTOR 5%
JACK2	RCA 2P	RCA JACK	R257.258	330R	RESISTOR 5%
L201-206	56UH	INDUCTOR	R259	6.8K	RESISTOR 5%
L207	20.8MH	FTZ COIL	R260	3.3K	RESISTOR 5%
L500	56UH	INDUCTOR	R261	39R	RESISTOR 5%
LFL200	KLM5B2-T	MPX LPF COIL	R262	390R	RESISTOR 5%
LFR200	KLM5B2-T	MPX LPF COIL	R263	330R	RESISTOR 5%
Q201.202	KTC3198Y	TRANSISTOR	R264	4.7K	RESISTOR 5%
Q204	DTA114Y	TRANSISTOR	R265.266	330R	RESISTOR 5%
Q206.207	DTA114Y	TRANSISTOR	R271	330R	RESISTOR 5%
Q209	2SC1740S	TRANSISTOR	R272.273	100K	RESISTOR 5%
Q211	2SC1740S	TRANSISTOR	R274	18K	RESISTOR 5%
Q212	2SK192GR	FET	R275	47K	RESISTOR 5%
Q213-216	KTC3195Y	TRANSISTOR	R276	1K	RESISTOR 5%
Q219	KTC3198Y	TRANSISTOR	R277	10R(1W)	WATT RESISTOR
Q222	DTC114Y	TRANSISTOR	R278	10K	RESISTOR 5%
Q223	2SK117	FET	R279	3.3K	RESISTOR 5%
Q225	DTA114Y	TRANSISTOR	R281	18K	RESISTOR 5%
Q301	2SK192GR	FET	R282	1K	RESISTOR 5%
Q302	DTA114Y	TRANSISTOR	R283	10K	RESISTOR 5%
Q501	DTC114Y	TRANSISTOR	R284.285	120K	RESISTOR 5%
Q502	BKTA1267Y	TRANSISTOR	R286	3.3K	RESISTOR 5%

Parts List-4

SYMBOL	PARTS NO.	DESCRIPTION	SYMBOL	PARTS NO.	DESCRIPTION
R152	10K	RESISTOR 5%			
R155.156	10K	RESISTOR 5%			
R157	47K	RESISTOR 5%			
R158-163	10K	RESISTOR 5%			
R164	1K2	RESISTOR 5%			
SW101-112	TACT SWITCH(SKHVBH)	TACT SWITCH			
SW114-116	TACT SWITCH(SKHVBH)	TACT SWITCH			
SW118-120	TACT SWITCH(SKHVBH)	TACT SWITCH			
SW122-124	TACT SWITCH(SKHVBH)	TACT SWITCH			
SW126-128	TACT SWITCH(SKHVBH)	TACT SWITCH			
U101	CXP82832-182Q	CPU			
U102	AT24C16	EEROM			
XT101	CST10.00MTW	RESONATOR 10.0MHZ			
	X-1273-03 PCB ASSEMBLY				
CM101	10UF/16V(SE TYPE)	ELECTRIC CAPACITOR			
QM101	KTC3198Y	TRANSISTOR			
RM102	100R	RESISTOR 5%			
RM103	150R	RESISTOR 5%			
RM104	4.7K	RESISTOR 5%			
RMC201	CRV1M352-00B	REMOTE CONTROL SENSOR			
	X-1273-04 PCB ASSEMBLY				
C540	0.0047UF/400V	SPARK KILLER(AC CERAMIC)			
SW201	POWER SW.TV-5	SWITCH			
	X-1273-05 PCB ASSEMBLY				
TF201	022 T-1065N01	POWER TRANSFORMER			
	X-1273-06 PCB ASSEMBLY				
C601-605	1UF/50V	ELECTRIC CAPACITOR			
D601-604	ZENER 12V	ZENER DIODE			
IC601	MAX232CPE	RS232 DRIVER IC			
JACK3	DB9 JACK(MALE)	DB9 JACK			
	OTHERS				
	011 FP-504	FRONT PANEL ASSY			
	012 SK4-06A00	KNOB 33F			
	012 4TQF-15	POWER BUTTON 14X14			
	014 C-4550A02	UPPER COVER			
	014 4TQN-12B#5	BOTTOM BOARD			
	015 RP-360	PRINTED REAR CHASSIS			
	019 4TSH-19#2	PLASTIC FOOT 50F			
	021 RLA145A00	AM LOOP ANTENNA			
	034 SEL1124R	LED			
	069 C-4629A01	AC INLET			
	072 4TR-2489	3.5MM PLUG SHIELD CORD			
	072 4TR-2875	RCA PIN CORD			
	072 4TR-3228	T TYPE ANTENNA			
	072 C-4620A01	AC CORD SET for STD			
	072 C-4622A01	AC CORD SET for AUSTRALIA			
	072 C-4623A01	AC CORD SET for UK			
	072 C-4624A01	AC CORD SET for CEE			
	081 SK4-10A00	INSIDE CARTON			
	081 TZ-164-1	STYROL SIDE MOULDING			
	092 RR-T91	REMOTE UNIT			

Adjustment

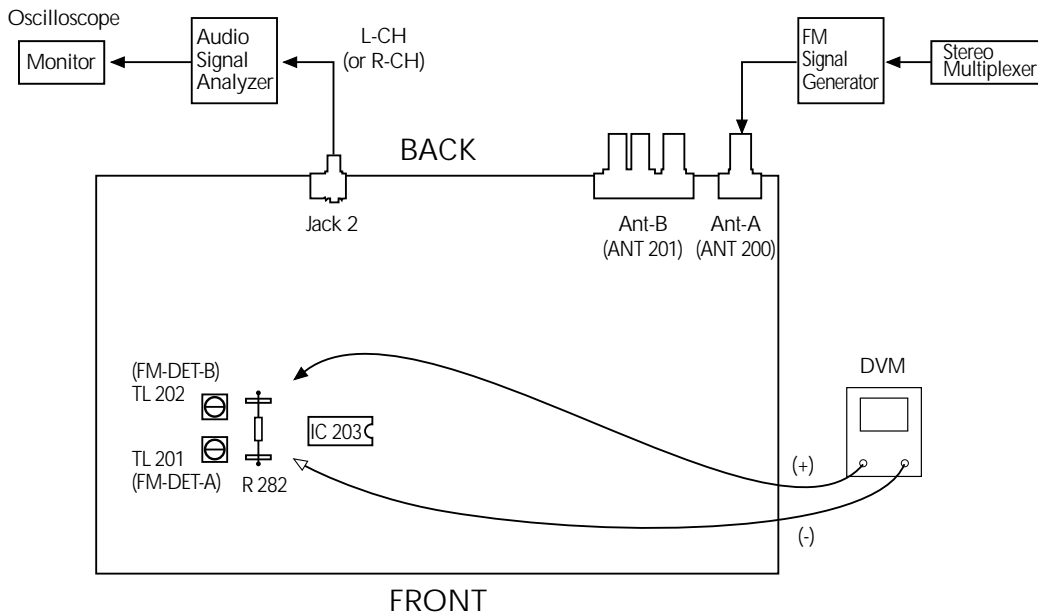
■ FM

* Necessary measurement equipment

RDS/STEREO Multiplexer	1 unit
FM/AM Signal Generator	1 unit
Audio Signal Analyzer	1 unit
Oscilloscope	1 unit
Digital Volt Meter (DVM)	1 unit

(A) Center adjust

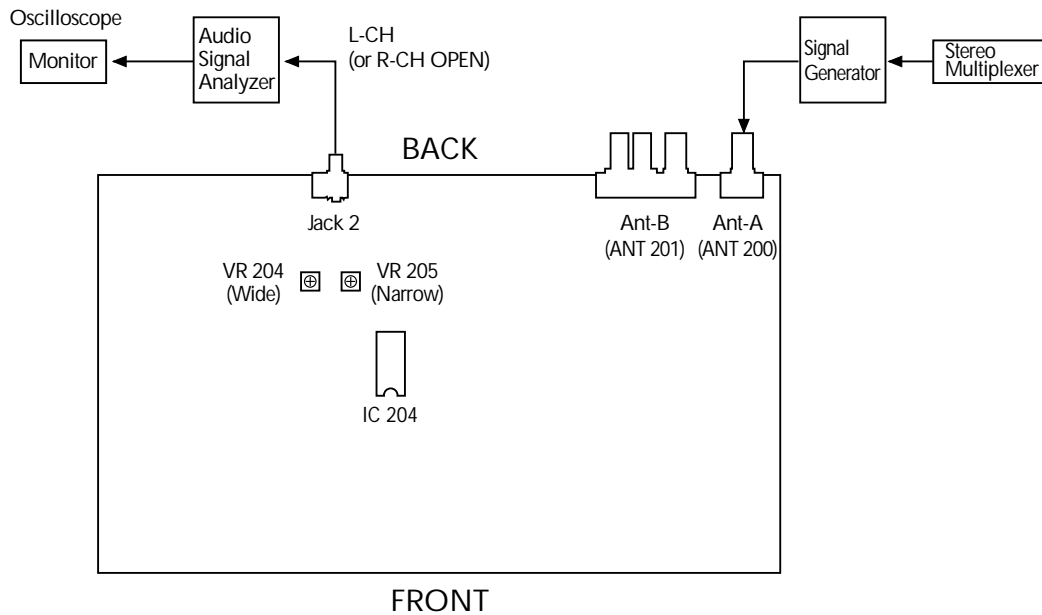
- ❑ RDS/STEREO Multiplexer Setting
 - MODE : MONO
 - Audio Frequency : 1KHz
- ❑ FM Signal Generator Setting
 - Deviation : 75KHz
 - Radio Frequency : 98.0MHz
 - Output Level : 66dB
- ❑ RT955 Setting
 - FM Frequency : 98.0MHz
 - Antenna Selection : A
 - FM MODE : MONO
 - IF MODE : WIDE



- ① Turn FM Signal Generator Modulation on
- ② Connect DVM (+)(-) terminals to both ends of resistor R282 and measure the volt.
- ③ Make this measured volt '0' by adjusting TL201(FM-DET-A Coil).
(The adjustment should be within $\pm 2\text{mV}$)
- ④ After this adjustment, measure THD(Total Harmonic Distortion) with Audio Signal Generator.
- ⑤ Adjust THD to minimum point with TL202(FM-DET-B Coil).
(THD should be within 0.5%)

(B) Channel Separation adjust

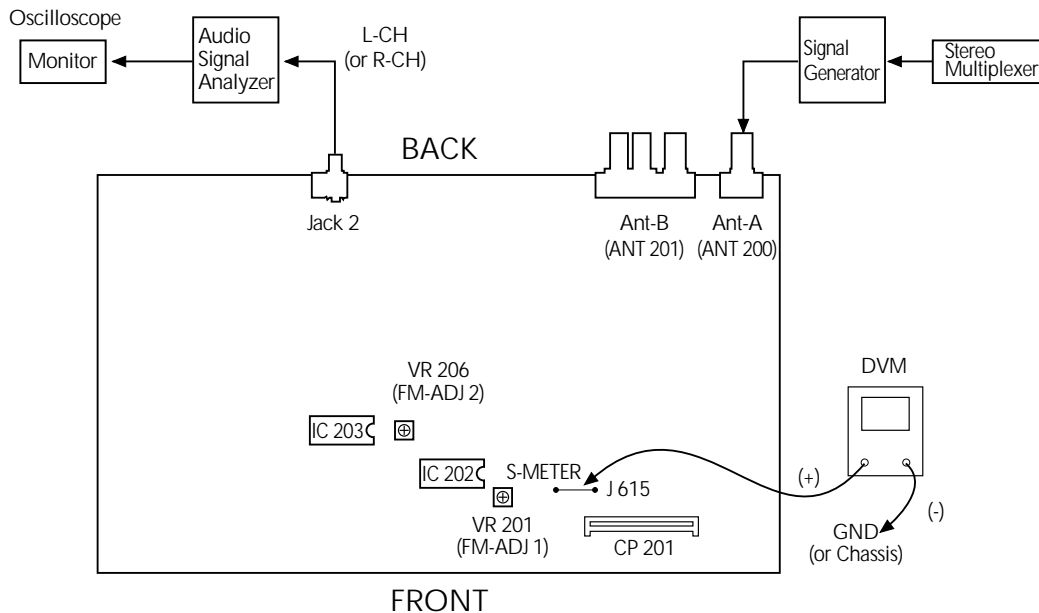
- ❑ RDS/STEREO Multiplexer Setting
 - MODE : STEREO (ONLY L-CH Signal OUT)
 - Audio Frequency : 1KHz
- ❑ FM Signal Generator Setting
 - Deviation : 75KHz
 - Radio Frequency : 98.0MHz
 - Output Level : 66dB
- ❑ RT955 Setting
 - FM Frequency : 98.0MHz
 - Antenna Selection : A
 - FM MODE : STEREO
 - IF MODE : WIDE



- ① Turn FM Signal Generator Modulation on after modulating only L-CH at STEREO Multiplexer.
- ② Confirm if 'STEREO' indicator is turned 'ON' on the display in the WIDE MODE.
- ③ Measure output level via Audio Signal Analyzer and make the level as standard.
- ④ Turn FM Signal Generator Modulation on after modulating only R-CH at STEREO Multiplexer.
- ⑤ Measure output level via Audio Signal Analyzer (measure per a dB)
- ⑥ Adjust output level to minimum position with VR204 (WIDE MODE CH-SEPA. ADJ.). (lower than -40dB)
- ⑦ Change RT955 IF MODE to NARROW.
- ⑧ Repeat the above ①~⑤
- ⑨ Adjust output level to minimum point with VR205(NARROW MODE CH-SEPA. ADJ.). (lower than -38dB)

(C) TUNED Level adjust

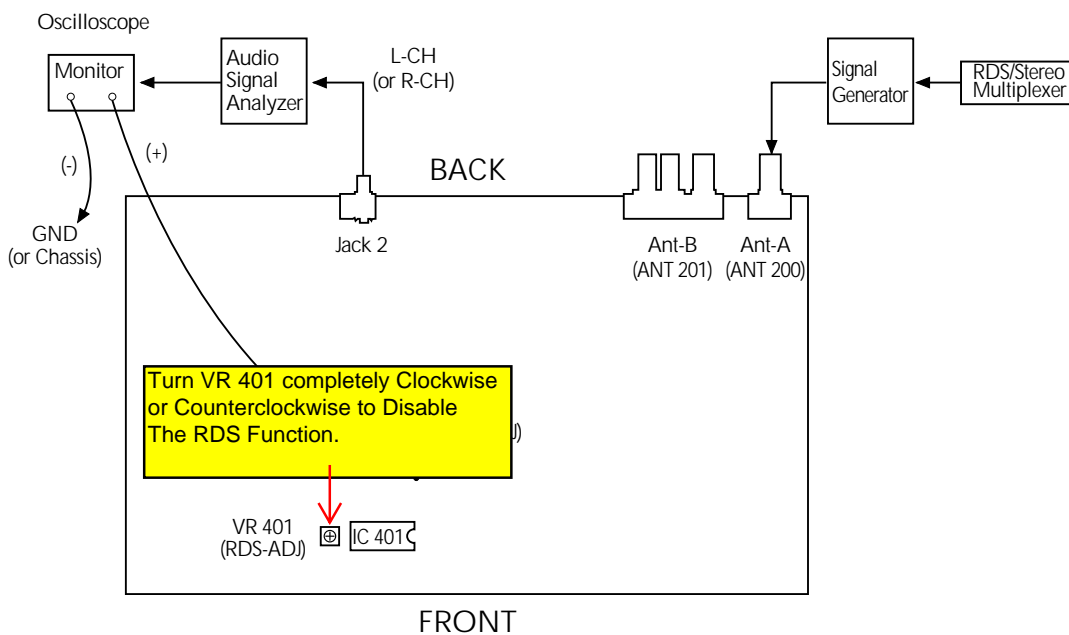
- ❑ RDS/STEREO Multiplexer Setting
 - MODE : STEREO
 - Audio Frequency : 1KHz
- ❑ FM Signal Generator Setting
 - Deviation : 75KHz
 - Radio Frequency : 98.0MHz
 - Output Level : 26dB
- ❑ RT955 Setting
 - FM Frequency : 98.0MHz
 - Antenna Selection : A
 - FM MODE : STEREO
 - IF MODE : WIDE



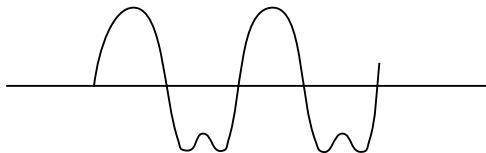
- ① Turn FM Signal Generator Modulation 'ON' (confirm if output level is 26dB)
- ② measure volt while connecting DVM (-) terminal to GND (or Chassis) & connecting (+) terminal to Jumper J615(S-METER).
- ③ Adjust volt to 1.2V with VR201 (FM-ADJ1).
- ④ Adjust VR206(FM-ADJ2) up to the moment where 'STEREO' & 'TUNED' indicator turns OFF & ON again.
- ⑤ Confirm if 'STEREO' & 'TUNED' turn OFF when decreasing the output level slowly from 26dB to 25dB, 24dB~~~.
(Repeat the above ③~④ if not OFF in lower than 24dB.)
- ⑥ Set RT955's Search by MODE to AUTO at Signal Generator Output Level 26dB and start Auto search Tuning Encoder.
Confirm if search stops at FM Frequency 98.0MHz.
(Examine both of High Freq. →98.0MHz search, Low Freq. →98.0MHz search)

(D) RDS Level adjust

- ❑ RDS/STEREO Multiplexer Setting
 - MODE : STEREO
 - Audio Frequency : 1KHz
 - RDS MODE : ON
- ❑ FM Signal Generator Setting
 - Deviation : 75KHz
 - Radio Frequency : 98.0MHz
 - Output Level : 35dB
- ❑ RT955 Setting
 - FM Frequency : 98.0MHz
 - Antenna Selection : A
 - FM MODE : STEREO
 - IF MODE : WIDE



- ① Make sure that RDS/STEREO Multiplexer RDS Modulation is ON and turn FM Signal Generator Modulation ON
- ② Connect oscilloscope terminal to low measuring point of C406(RDS ADJ) and measure. Make sure that the following waveform is output.



- ③ Adjust waveform to maximum level with VR401(RDS ADJ).
- ④ Confirm if 'RDS' indicator is ON.

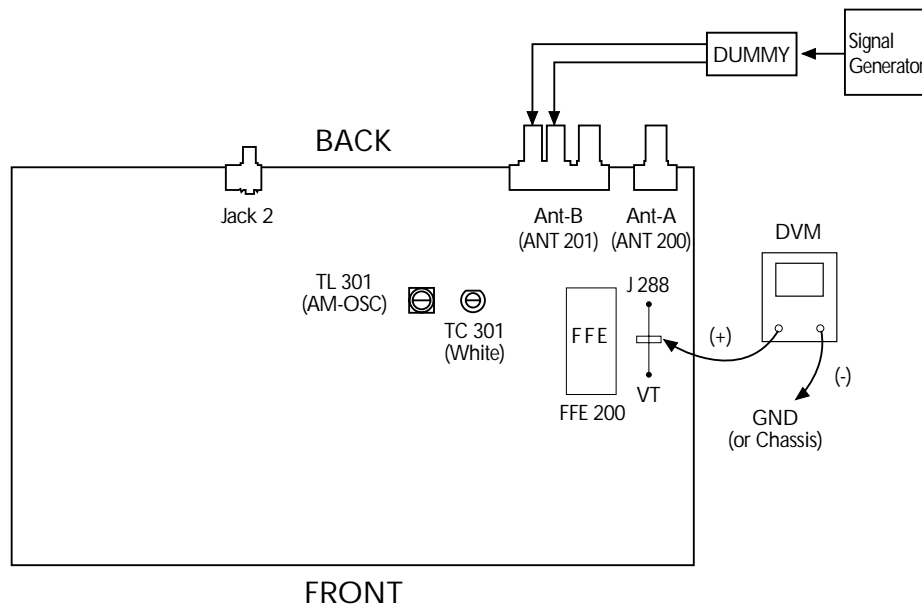
■ AM

* Necessary measurement equipment

AM Signal Generator	1 unit
Audio Signal Analyzer	1 unit
DUMMY	1 unit
Oscilloscope	1 unit
Digital Volt Meter (DVM)	1 unit

(A) VT adjust

□ AM Signal Generator Setting

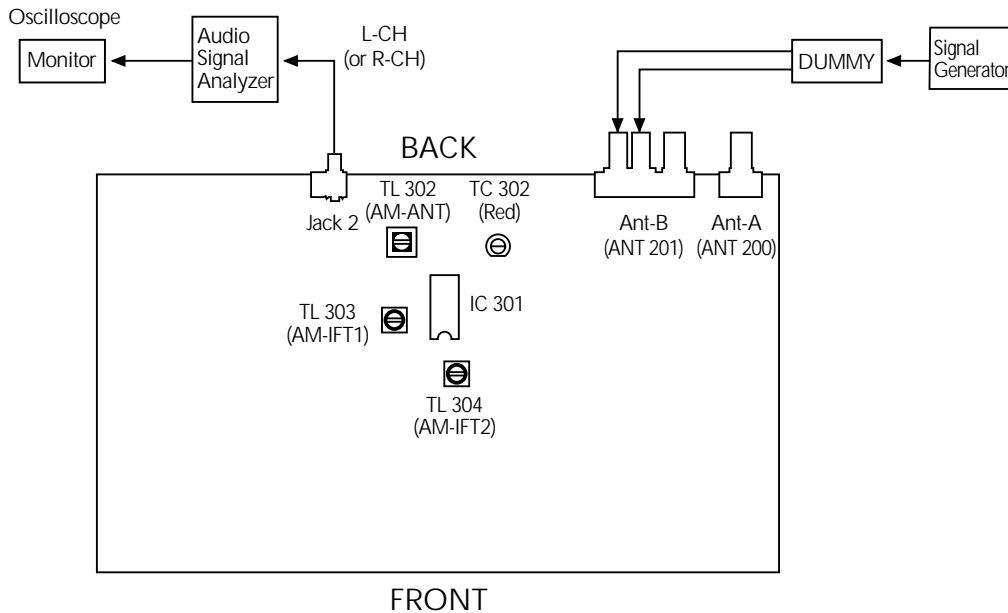


- ① Adjust AM Frequency of RT-955 to 522KHz.
- ② Connect (-) terminal of DVM with GND (or chassis) and connect (+) terminal with Jumper J288 (VT CHECK) and measure voltage. (Low Freq. VT)
- ③ Adjust VT to 1.1V with TL301 (AM-OSC Coil).
- ④ Adjust AM Frequency of RT-955 to 1611KHz.
- ⑤ Measure VT and adjust VT to 7.5V with TC301 (WHITE Trimmer). (High Freq. VT)
- ⑥ Repeat above ② ~⑤ steps 2 or 3 times until VT becomes 1.1V at AM Freq. 522KHz, and VT becomes 7.5V at 1611KHz.

*In case of USA version, AM freq. Range is 520KHz ~ 1710KHz, adjust as below.
at 520KHz, VT = 1.1V (Low Freq. VT)
at 1710KHZ VT = 8.5V(High Freq. VT)

(B) Output Level adjust

- ❑ AM Signal Generator Setting
 - Modulation : 30%
 - Audio Frequency : 400Hz
 - Radio Frequency : 603KHz / 1404KHz / 999KHz
 - Output Level : 84dB
- ❑ RT955 Setting
 - AM Frequency : 603KHz



- ① Turn AM Signal Generator Modulation ON
- ② Adjust RT955 AM Freq. to 603KHz and measure output level with Audio Signal analyzer.
- ③ Adjust output level to maximum point with TL302 (AM-ANT).
- ④ Adjust AM Signal Generator & RT955 AM Freq. to 1404KHz and measure output level.
- ⑤ Adjust output level to maximum point with TC302 (RED Trimmer).
- ⑥ Repeat above ② ~ ③ steps 2~3 times until adjusting to best output level.
- ⑦ Adjust AM Signal Generator & RT955 AM Freq. to 999KHz and measure output level.
- ⑧ Adjust level to maximum position with TL303 (AM-IFT1).
- ⑨ Adjust output level of AM Signal Generator to 100dB and measure THD.
- ⑩ Adjust THD to minimum position with TL304 (AM-IFT2).
(Lower than 1.2%)

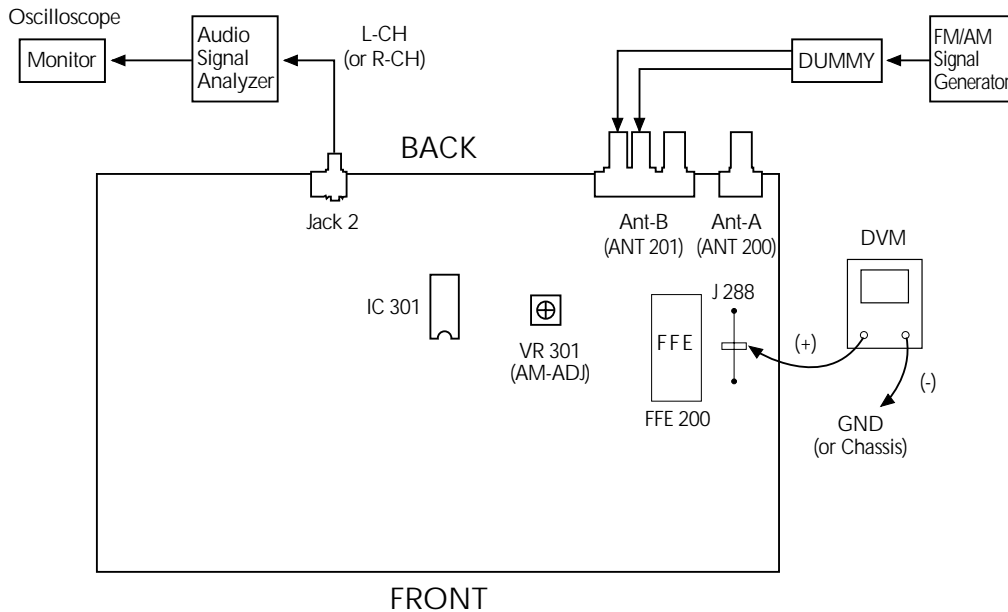
*In case of USA version, AM Freq. step is 10KHz. So, change the standard freq. as below.
522KHz → 520KHz,
1404KHz → 1400KHz,
999KHz → 1000KHz,

(C) TUNED Level adjust

- Audio Frequency : 1KHz

- AM Signal Generator Setting
 - Modulation : 30%
 - Audio Frequency : 400Hz
 - Radio Frequency : 999KHz
 - Output Level : 84dB

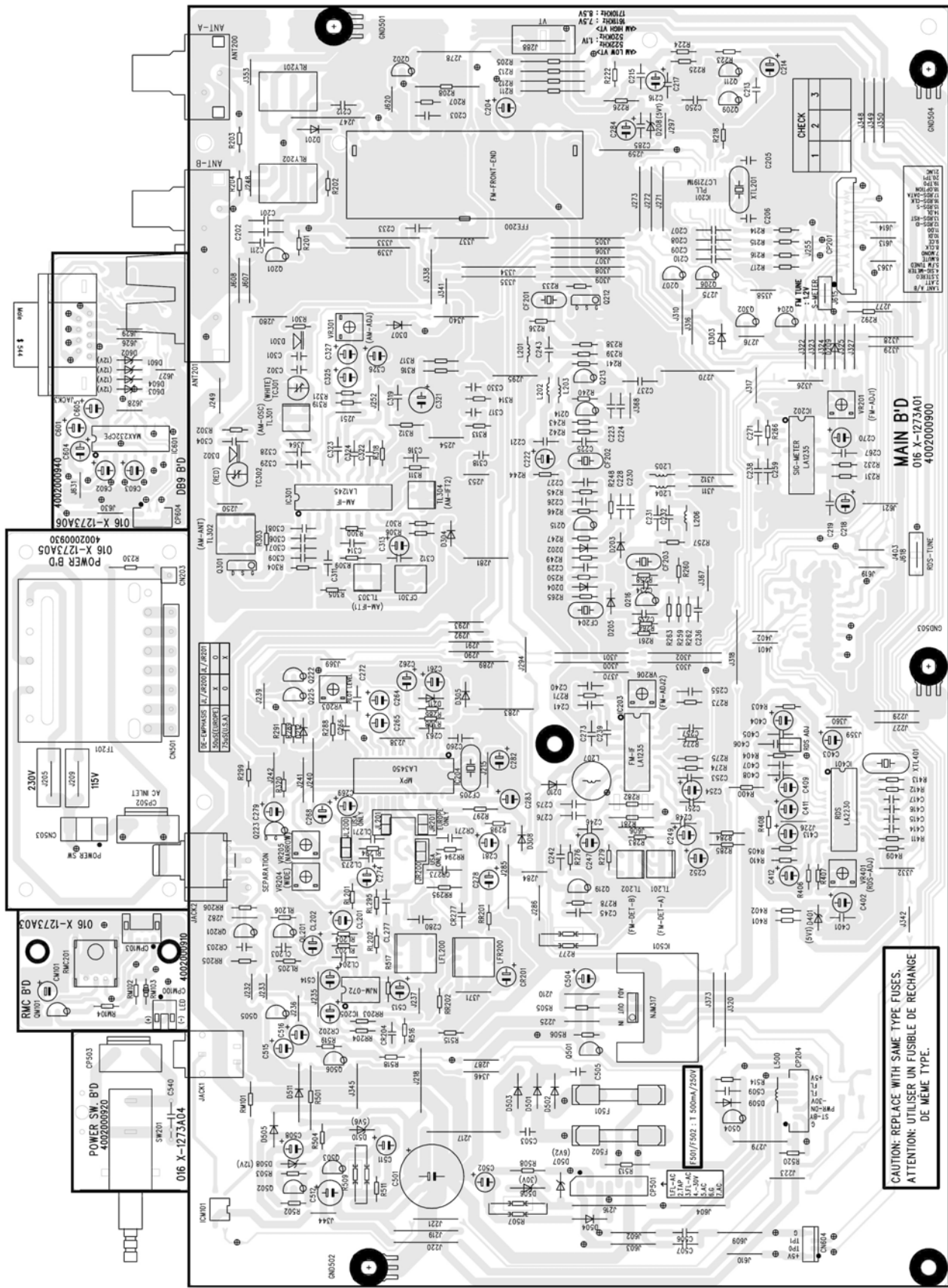
- RT955 Setting
 - AM Frequency : 999KHz



- ① Turn AM Signal Generator Modulation ON (Make sure if Output level is 84dB)
- ② Adjust VR301 (AM-ADJ) up to the moment where 'TUNED' indicator turns OFF & ON again.
- ③ Confirm if 'TUNED' turns OFF when decreasing the output level of AM signal Generator slowly from 84dB to 80dB.
- ④ Set RT955's Search MODE to AUTO at AM Signal Generator Output Level 84dB and start Auto search by Tuning Encoder.
Confirm if search stops at AM Frequency 999KHz.
(Check with both of High Freq. → 999KHz search, Low Freq. → 999KHz search)

*In case of USA version, AM Freq. Step is 10KHz.
So, check above steps with 1000KHz instead of 999KHz.

PCB Assembly



CAUTION: REPLACE WITH SAME TYPE FUSES.
ATTENTION: UTILISER UN FUSIBLE DE MEME TYPE.

MAIN B'D
016 X-1273A01
4002000900

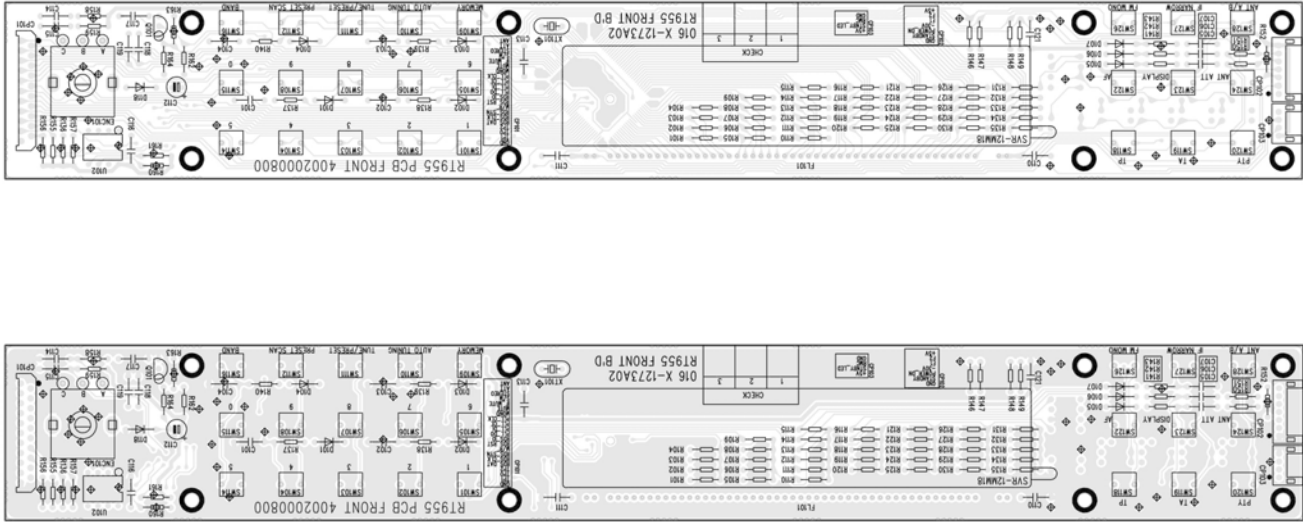
POWER SW B'D
4002000920

RMC B'D
016 X-1273A03

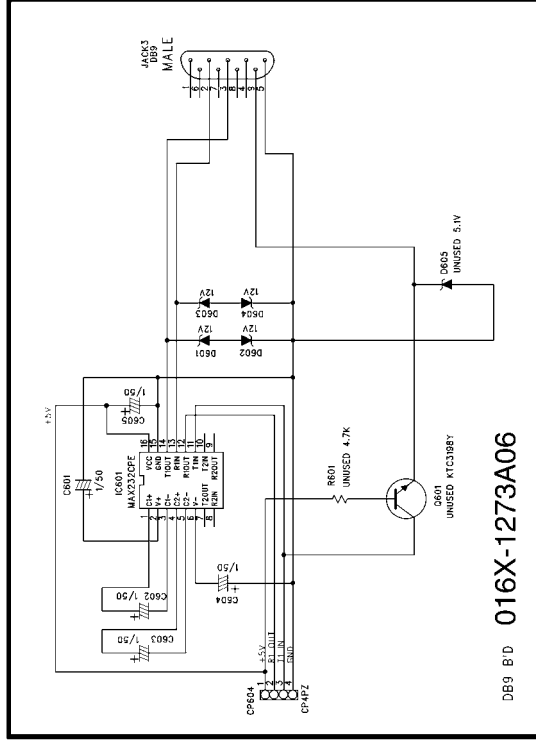
POWER B'D
016 X-1273A05
4002000905

DB9 B'D
016 X-1273A06
4002000940

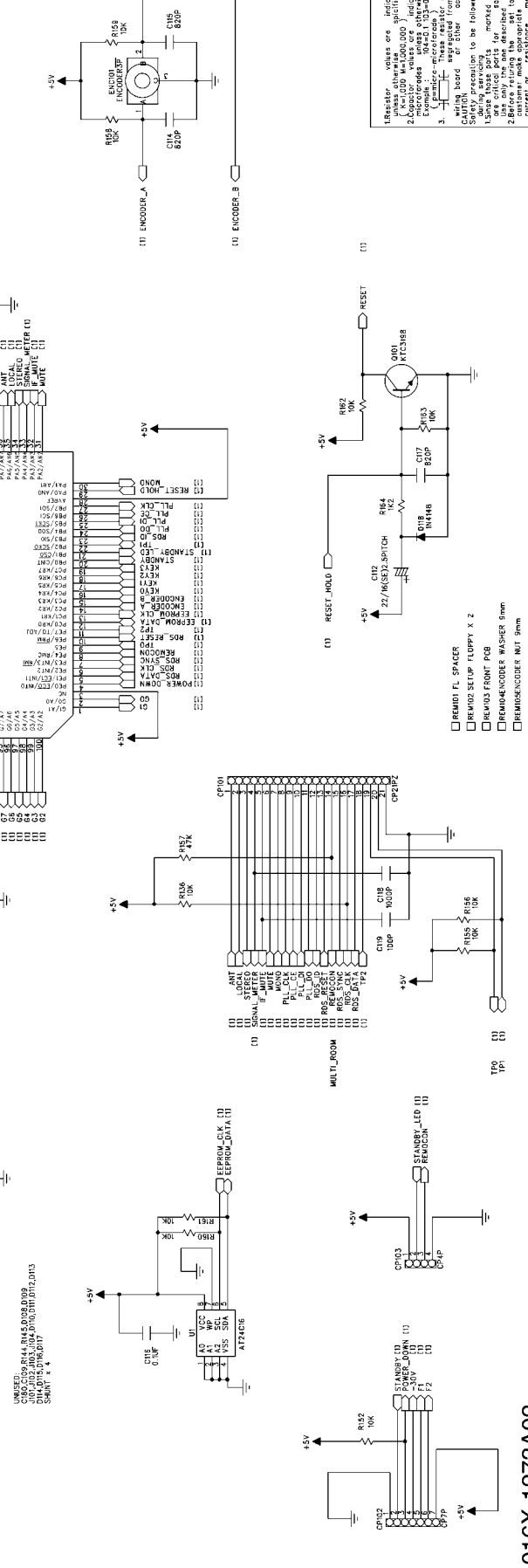
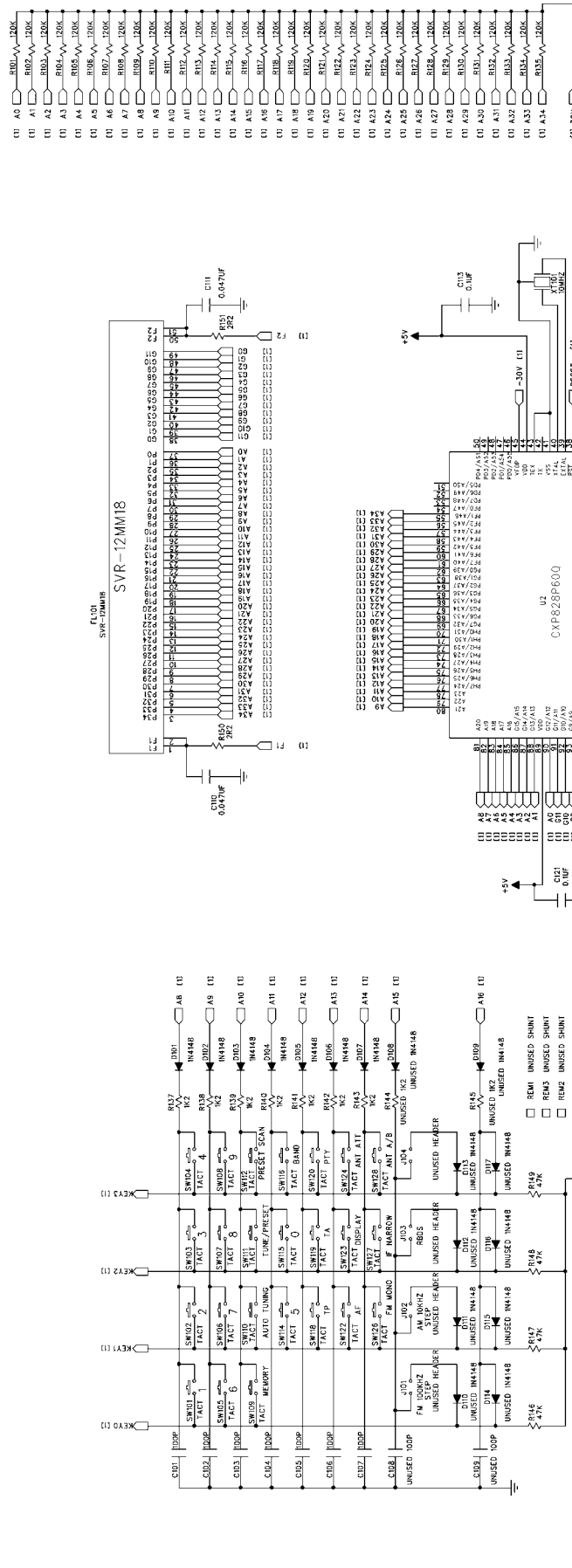
PCB Assembly-2



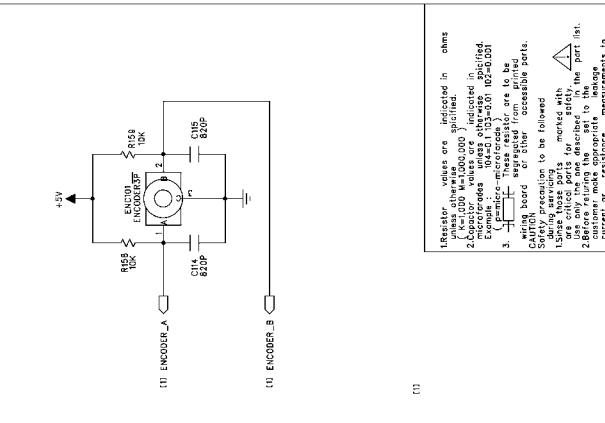
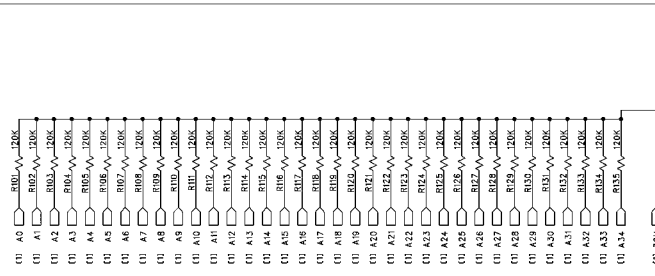
Schematic Diagram-1



Schematic Diagram-3

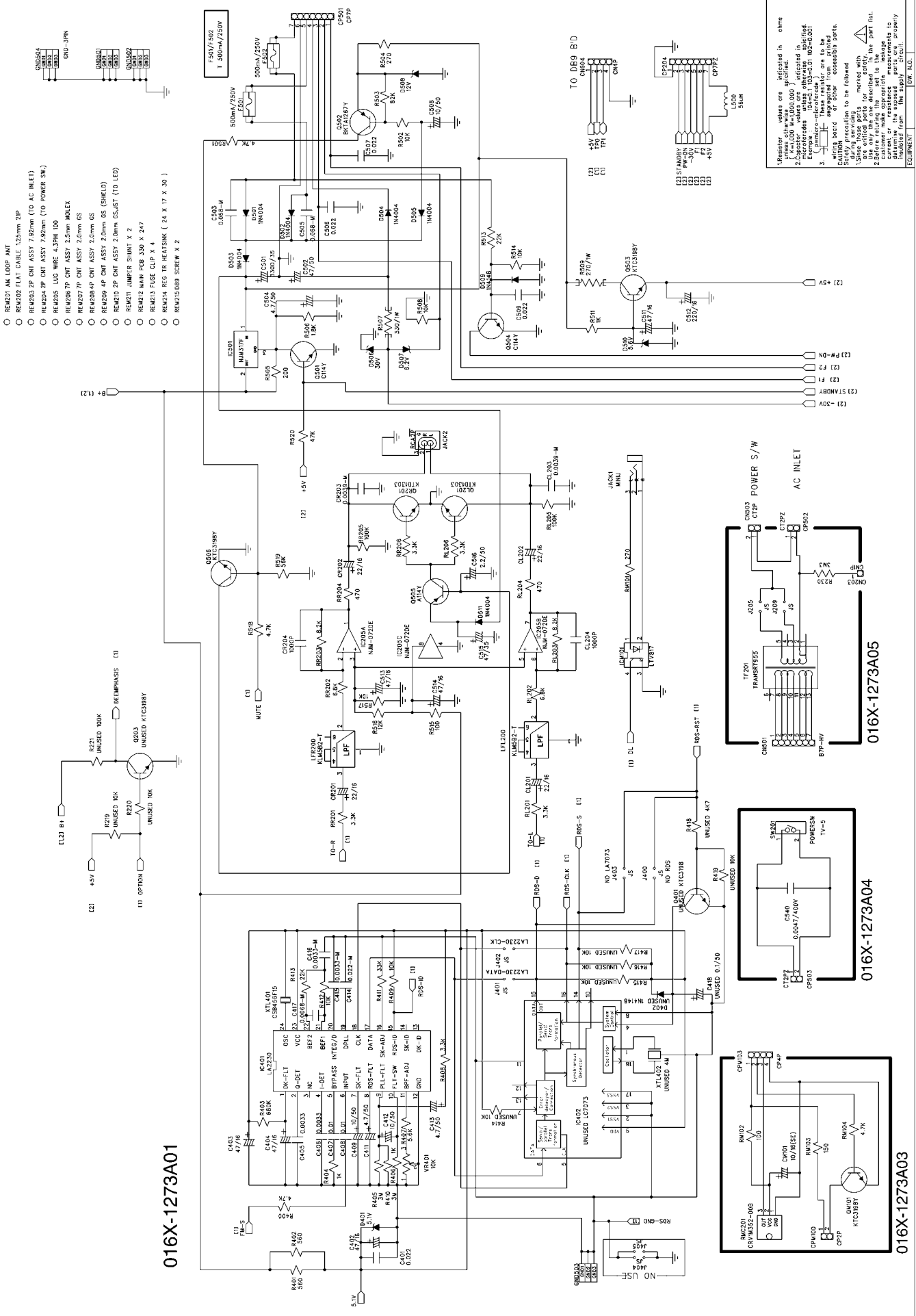


016X-1273A02



1. Repetition values are indicated in sheets unless otherwise specified.
 2. Repetition values are indicated in sheets unless otherwise specified.
 3. These resistors are to be connected to the accessible ports.
 4. The board assembly should be followed.
 5. During assembly, the board should be checked for correct wiring.
 6. The board should be checked for correct wiring.
 7. The board should be checked for correct wiring.
 8. Before returning the board to the manufacturer, the board should be checked for correct wiring.
 9. The board should be checked for correct wiring.
 10. The board should be checked for correct wiring.

Schematic Diagram-4



- REM201 AM LOOP ANT
- REM202 FLAT CABLE 125mm 2IP
- REM203 2P CNT ASSY 7.92mm (TO AC INLET)
- REM204 2P CNT ASSY 7.92mm (TO POWER SW)
- REM205 LUG WIRE 4.3PH 100
- REM206 7P CNT ASSY 2.5mm MOLEX
- REM207 7P CNT ASSY 2.0mm GS
- REM208 4P CNT ASSY 2.0mm GS
- REM209 4P CNT ASSY 2.0mm GS (SHIELD)
- REM210 2P CNT ASSY 2.0mm GS/JST (TO LED)
- REM211 JUMPER SHUNT X 2
- REM212 MAIN PCB 130 X 247
- REM213 FUSE CLIP X 4
- REM214 REG TR HEATSINK (24 X 17 X 30)
- REM21089 SCREW X 2

1. Resistor values are indicated in ohms unless otherwise specified.
 2. Opposite values are indicated in the same position.
 3. Dimensions are in mm unless otherwise specified.
 CAUTION: High voltage components are present. Handle with care. Do not touch exposed parts. Always use proper safety procedures when working with high voltage circuits. Always use proper safety procedures when working with high voltage circuits.

016X-1273A01

016X-1273A04

016X-1273A05

016X-1273A03