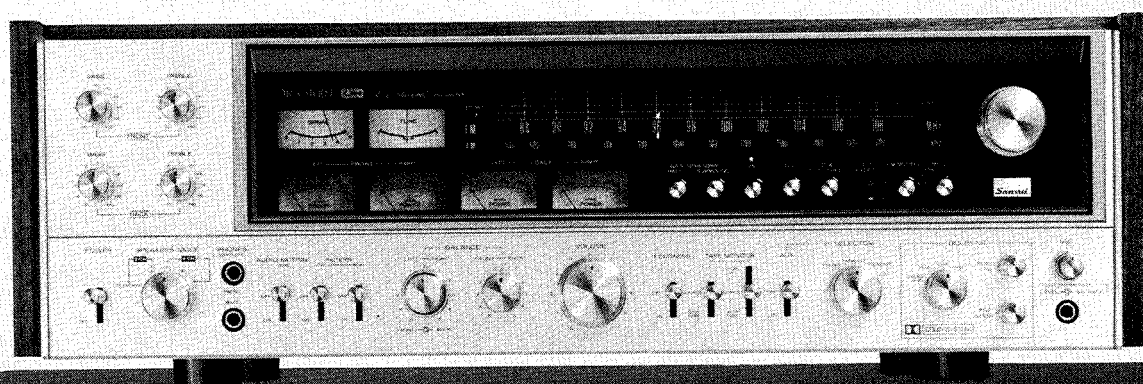


SERVICE MANUAL

4-CHANNEL RECEIVER

SANSUI QRX-8001/9001



SANSUI ELECTRIC CO., LTD.

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1. SPECIFICATIONS

AUDIO SECTION

<QRX-8001>

POWER OUTPUT

Min. RMS. four channels driven, from 20 to 20,000Hz, with no more than 0.3% total harmonic distortion

40 watts per channel into 8 ohms

40 watts per channel into 4 ohms

Min RMS four channels driven at 1,000Hz with no more than 0.3% total harmonic distortion

43 watts per channel into 8 ohms

43 watts per channel into 4 ohms

Min. RMS. both channels driven from 20 to 20,000Hz, with no more than 0.3% total harmonic distortion and SPEAKERS/MODE switch at 2-CH A (POWER × 2)

100 watts per channel into 8 ohms

Min RMS both channels driven at 1,000Hz with no more than 0.3% total harmonic distortion and

SPEAKERS MODE switch at 2-CH A (POWER × 2)

110 watts per channel into 8 ohms

<QRX-9001>

POWER OUTPUT

Min. RMS. four channels driven, from 20 to 20,000Hz, with no more than 0.3% total harmonic distortion

60 watts per channel into 8 ohms

60 watts per channel into 4 ohms

Min RMS four channels driven at 1,000Hz with no more than 0.3% total harmonic distortion

65 watts per channel into 8 ohms

65 watts per channel into 4 ohms

Min. RMS. both channels driven, from 20 to 20,000Hz, with no more than 0.3% total harmonic distortion and SPEAKERS/MODE switch at 2-CH A (POWER × 2)

120 watts per channel into 8 ohms

Min RMS both channels driven at 1,000Hz with no more than 0.3% total harmonic distortion and

SPEAKERS MODE switch at 2-CH A (POWER × 2)

140 watts per channel into 8 ohms

<QRX-8001> <QRX-9001>

LOAD IMPEDANCE

SPEAKERS/MODE Switch at 2-CH—A, 4-CH—A and 4-CH—B
.....4 and 8 ohms

SPEAKERS/MODE switch at 2-CH—A(POWER × 2) and 4-CH—A+B8 ohms

POWER BANDWIDTH.....20 to 20,000Hz at or below
rated min. RMS power output
and total harmonic distortion

TOTAL HARMONIC DISTORTION
.....less than 0.3% at or below
rated min. RMS power output

INTERMODULATION DISTORTION (70Hz: 7kHz 4:1 SMPTE
method)less than 0.3%

FREQUENCY RESPONSE (at 1 watt)
.....20 to 30,000Hz ±1dB

RIAA CURVE DEVIATION (PHONO)
.....+1.0dB, -1.0dB (30Hz to 15kHz)

DAMPING FACTORapproximately 30 at 8-ohm load

INPUT SENSITIVITY AND IMPEDANCE

(1kHz, for rated power output)

PHONO (2-channel)2.5mV/50 kilohms

(Max. input capability: 150mV at 1kHz, less than 0.3% total harmonic distortion.)

TAPE PLAY (pin jacks)100mV/50 kilohms

TAPE-1 REC/PLAY (DIN socket)

.....100mV/50 kilohms

AUX100mV/50 kilohms

MIC.....4mV/10 kilohms

RECORDING OUTPUT

TAPE REC (pin jacks)100mV

TAPE-1 REC/PLAY (DIN socket)

.....30mV

CHANNEL SEPARATION (at rated output 1kHz)

PHONObetter than 45dB

TAPE PLAY, AUX.....better than 45dB

HUM AND NOISE

PHONObetter than 70dB

TAPE PLAY, AUX.....better than 80dB

CONTROLS

BASS	±10dB (50Hz)
TREBLE	±10dB (10kHz)
LOUDNESS	+8dB (50Hz)
	+3dB (10kHz)
LOW FILTER	-10dB (50Hz)
HIGH FILTER	-10dB (10kHz)
AUDIO MUTING	-20dB

4-CHANNEL DECODER SECTION

QS DECODER (Type-A QS vario-matrix)*

SEPARATION	20dB between adjacent channels
	30dB between diagonal channels
DISTORTION	less than 0.1% (at 1kHz)
FREQUENCY RESPONSE	20 to 30,000Hz

QS SYNTHESIZER (Type-A QS vario-matrix)

SEPARATION	equivalent to QS decoder
DISTORTION	equivalent to QS decoder
FREQUENCY RESPONSE	equivalent to QS decoder

SQ FUNCTION (Phase Matrix)**

SEPARATION	20dB (left front to right front)
	12dB (center front to center back)

CD-4 DEMODULATOR***

INPUT SENSITIVITY	2.5mV
INPUT IMPEDANCE	50 kilohms
SEPARATION (Standard test signal at 1kHz)	
.....	40dB (left to right)
.....	25dB (front to back)
FREQUENCY RESPONSE (Standard test signal at REC output)	
.....	30 to 15,000Hz (main-channel)

<QRX-9001 Only>

DOLBY NOISE REDUCTION EFFECT†

.....	10dB (above 5kHz)
-------	-------------------

FM SECTION

<QRX-8001>

TUNING RANGE	88 to 108MHz
USABLE SENSITIVITY (IHF)	10.8dBf (1.9μV)
(DIN)	1.1μV
	(1kHz, Modulation 30%, S/N 26dB)

50dB QUIETING SENSITIVITY

STEREO (IHF)	38dBf (45μV)
MONO (IHF)	16dBf (3.5μV)

TOTAL HARMONIC DISTORTION

STEREO	less than 0.5% (1kHz)
MONO	less than 0.4% (1kHz)

SIGNAL TO NOISE RATIO

STEREO	better than 60dB
MONO	better than 65dB

ALTERNATE CHANNEL SELECTIVITY

.....	better than 60dB (±400kHz)
-------	----------------------------

CAPTURE RATIO

.....	less than 2.2dB
-------	-----------------

AM SUPPRESSION

.....	better than 50dB
-------	------------------

IMAGE RESPONSE RATIO (IHF)

.....	better than 50dB (98MHz)
-------	--------------------------

IF RESPONSE RATIO (IHF)

.....	better than 75dB (98MHz)
-------	--------------------------

SPURIOUS RESPONSE RATIO (IHF)

.....	better than 70dB (98MHz)
-------	--------------------------

SPURIOUS RADIATION

.....	less than 34dB
-------	----------------

STEREO SEPARATION

.....	better than 30dB (100Hz)
.....	better than 40dB (1kHz)
.....	better than 25dB (10kHz)

FREQUENCY RESPONSE (IHF)

.....	+1.0dB, -3.0dB (30 to 15,000Hz)
-------	---------------------------------

ANTENNA IMPEDANCE

.....	75 ohms unbalanced
.....	300 ohms balanced

<QRX-9001>

TUNING RANGE	88 to 108MHz
USABLE SENSITIVITY (IHF)	10.3dBf (1.8μV)
(DIN)	1.0μV
	(1kHz, Modulation 30%, S/N 26dB)

50dB QUIETING SENSITIVITY

STEREO (IHF)	38dBf (45μV)
MONO (IHF)	15.6dBf (3.3μV)

TOTAL HARMONIC DISTORTION

STEREO	less than 0.4% (1kHz)
MONO	less than 0.3% (1kHz)

SIGNAL TO NOISE RATIO

STEREO	better than 65dB
MONO	better than 70dB

ALTERNATE CHANNEL SELECTIVITY

.....	better than 80dB (±400kHz)
-------	----------------------------

CAPTURE RATIO

.....	less than 1.5dB
-------	-----------------

AM SUPPRESSION

.....	better than 50dB
-------	------------------

IMAGE RESPONSE RATIO (IHF)

.....	better than 75dB (98MHz)
-------	--------------------------

IF RESPONSE RATIO (IHF)

.....	better than 95dB (98MHz)
-------	--------------------------

AM SECTION

<QRX-8001, QRX9001>

TUNING RANGE	535 to 1,605kHz
SENSITIVITY (Bar antenna)	50dB/m (1,000kHz)
SELECTIVITY	better than 35dB (1,000kHz)
IMAGE RESPONSE RATIO (IHF)	better than 35dB (1,000kHz)
IM RESPONSE RATIO (IHF)	better than 30dB (1,000kHz)

OTHERS

<QRX-8001>

POWER REQUIREMENTS

POWER VOLTAGE	100, 120, 220, 240V 50/60Hz
	120V (Usable 110—130V)
	60Hz (for U.S.A. & Canada only)

POWER CONSUMPTION

MAXIMUM CONSUMPTION	550 watts
RATE CONSUMPTION	370 watts (430 VA)

DIMENSIONS	600mm (23 ⁵ / ₈ " W
	174mm (6 ⁷ / ₈ " H
	415mm (16 ³ / ₈ " D

WEIGHT	23.6kg (52.0 lbs) net
	26.4kg (58.2 lbs) packed

<QRX-9001>

POWER REQUIREMENTS

POWER VOLTAGE	100, 120, 220, 240V 50/60Hz
	120V (Usable 110—130V)
	60Hz (for U.S.A. & Canada only)

POWER CONSUMPTION

MAXIMUM CONSUMPTION	860 watts
RATE CONSUMPTION	580 watts (675 VA)

DIMENSIONS	600mm (23 ⁵ / ₈ " W
	174mm (6 ⁷ / ₈ " H
	415mm (16 ³ / ₈ " D

WEIGHT	23.0kg (50.7 lbs) net
	25.8kg (56.9 lbs) packed

* QS is a trademark of Sansui.

** SQ is a trademark of CBS, Inc.

*** CD-4 is a trademark of JVC, Inc.

† The word "Dolby" and the Doable-D symbol are a trademark of Dolby Laboratories Inc.

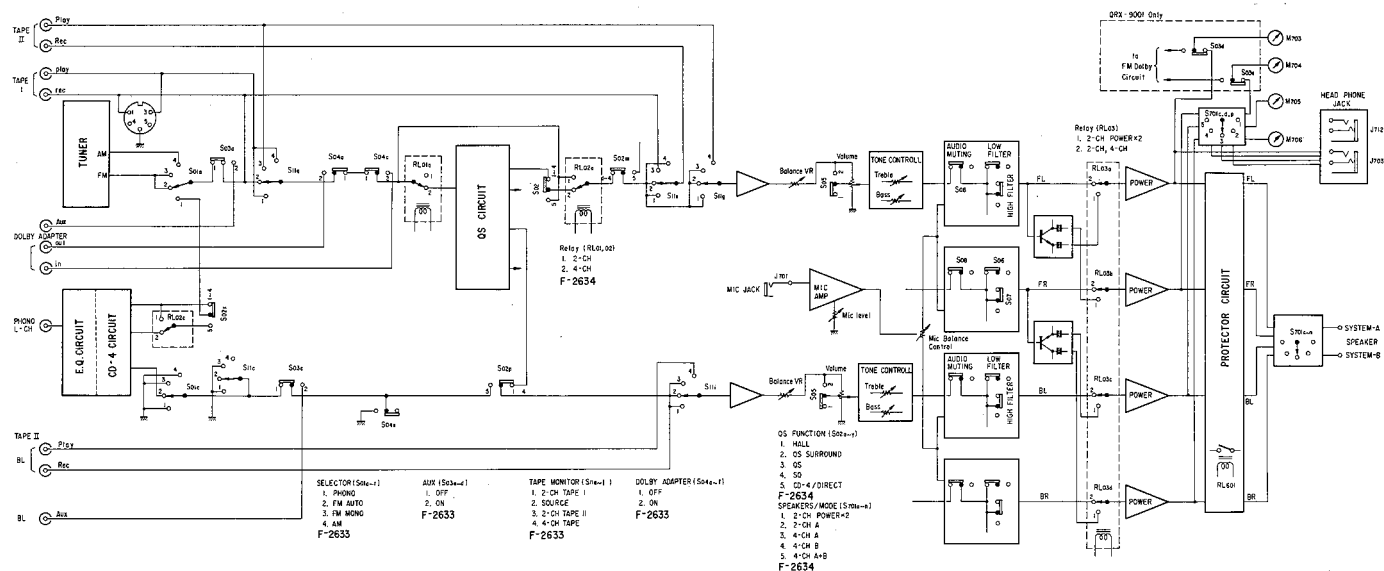
• Noise reduction circuit made under license from Dolby Laboratories Inc.

* Design and specifications subject to change without notice for improvements.

2. BLOCK DIAGLAM

2-1. QRX-8001

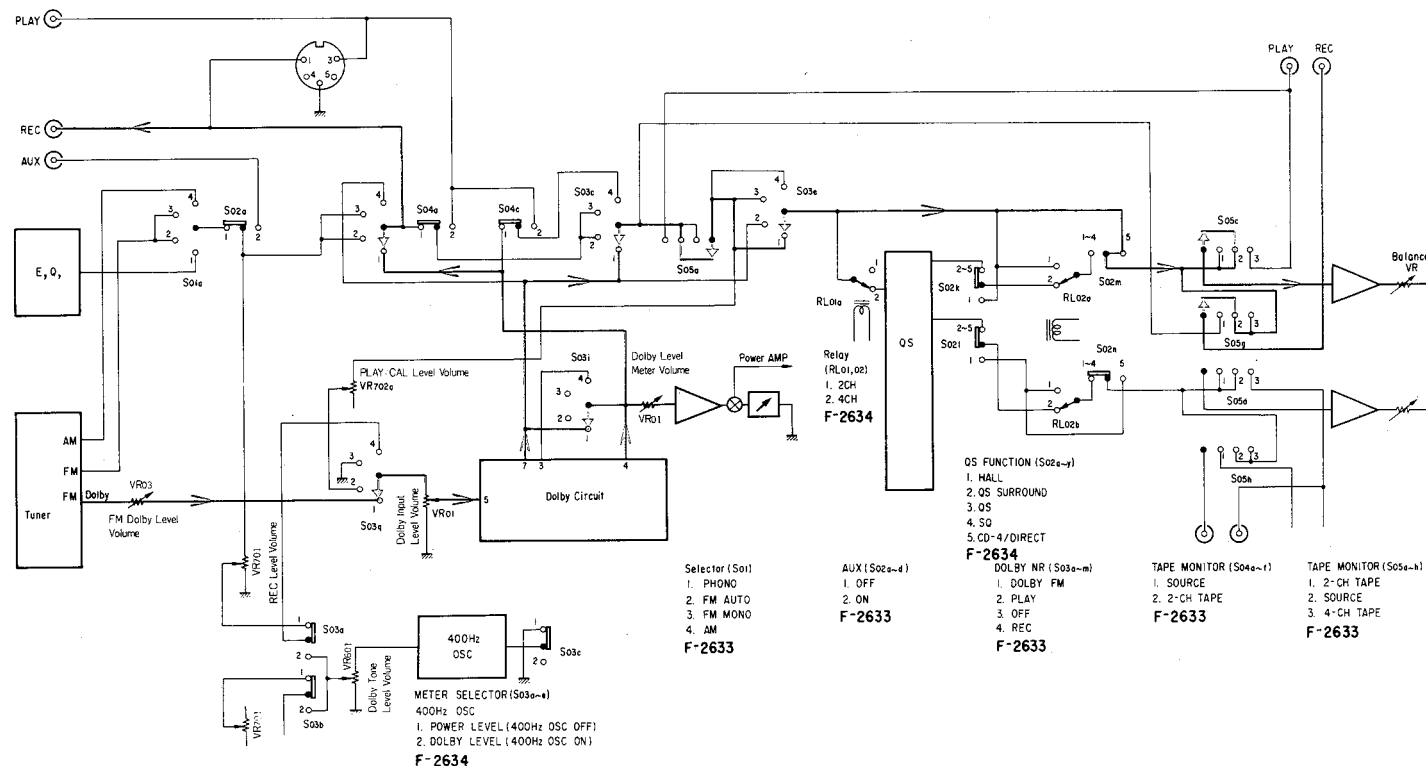
Note: This Block Diagram is indicates only L-CH before Audio Muting.



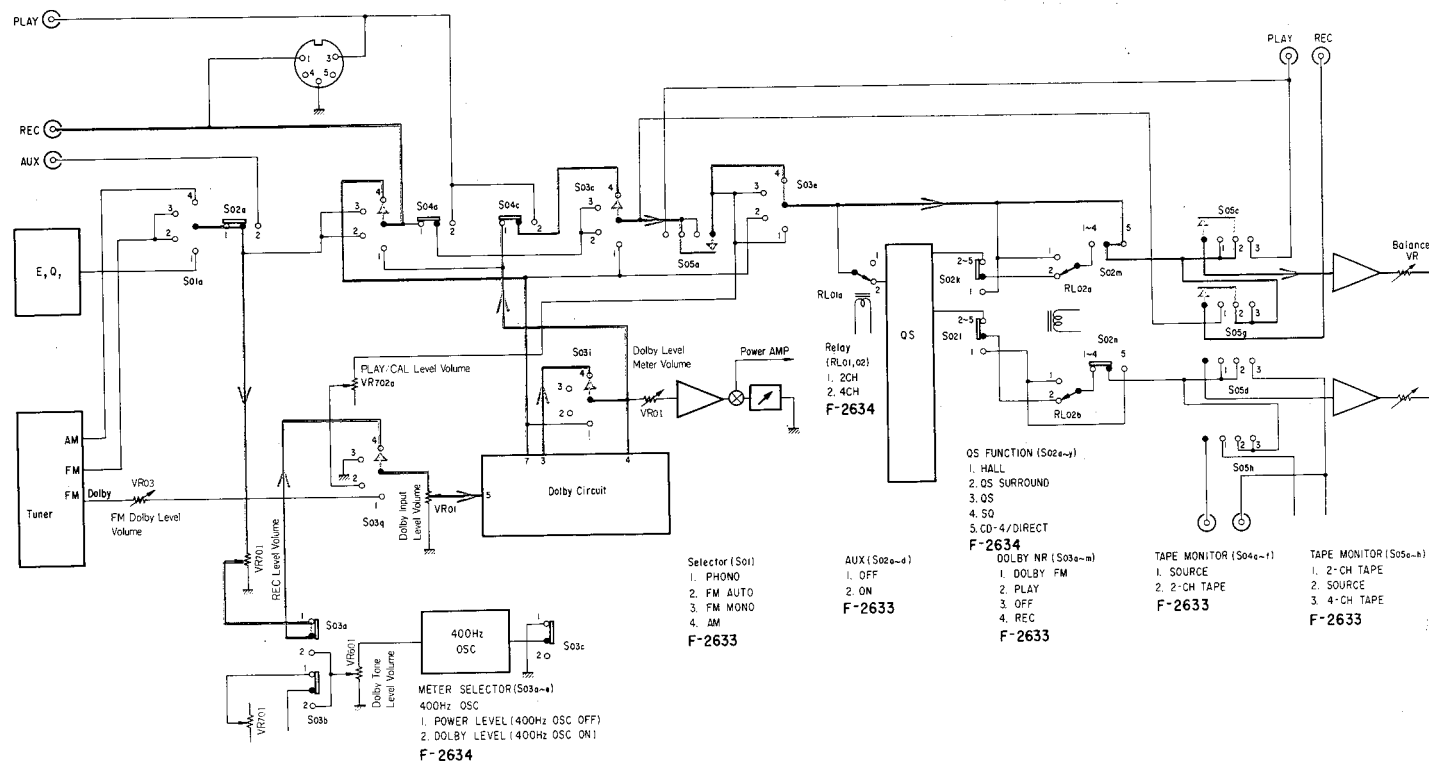
2-2. QRX-9001

Note: Follow Block Diagram QRX-8001 above after the Balance Volume.

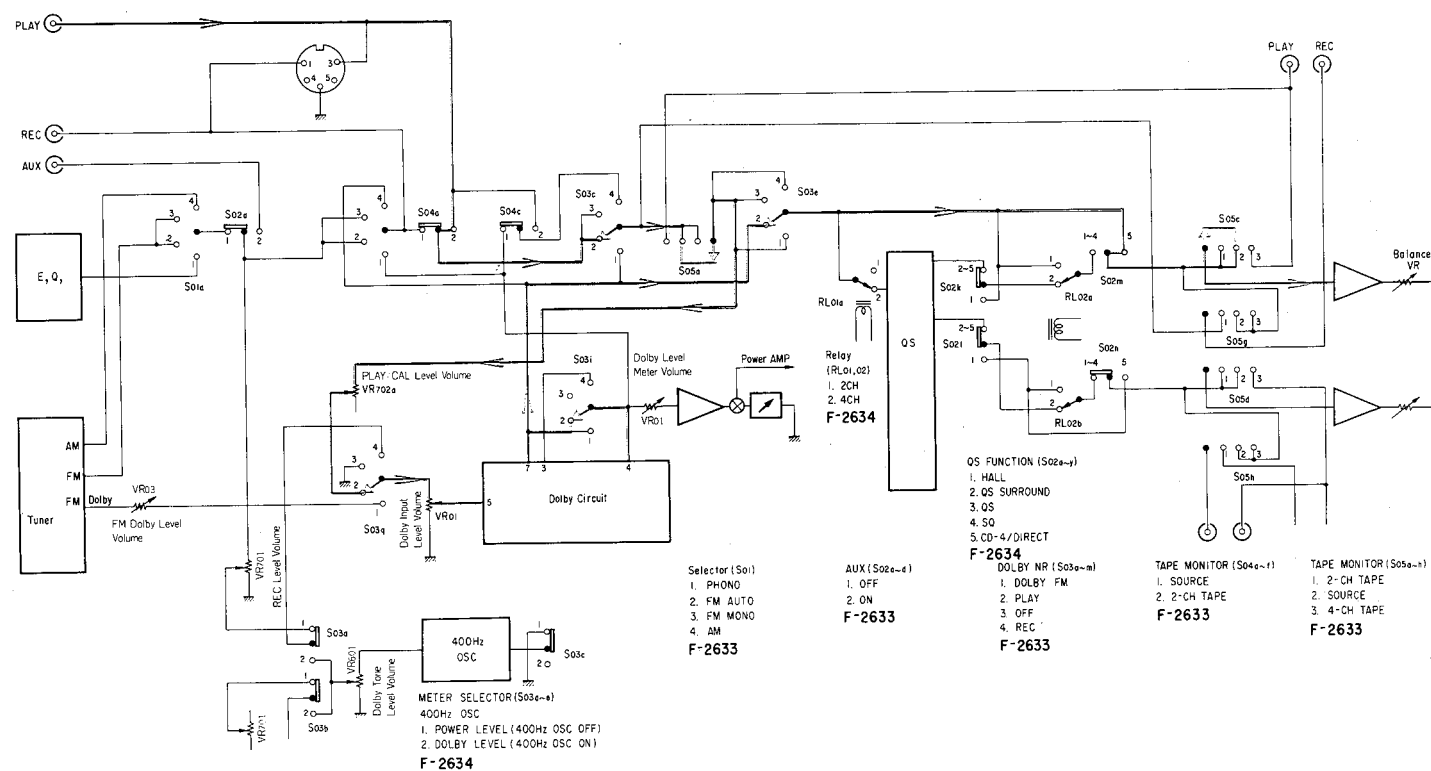
(a) Dolby Operation (FM Dolby Mode)



[b] Dolby Operation (Rec Mode)



[c] Dolby Operation (Play Mode)



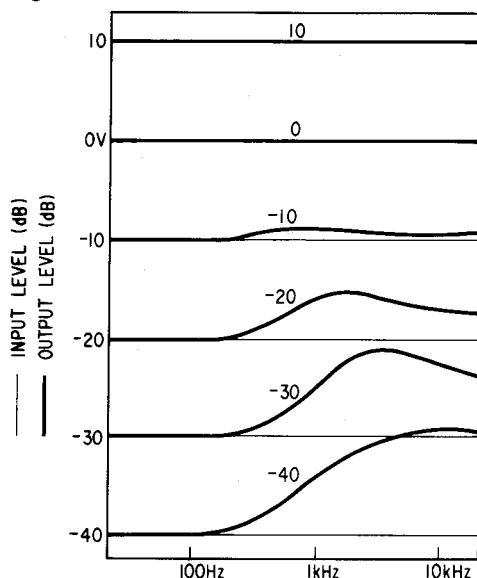
3. OPERATION OF FM DOLBY SYSTEM

This Dolby Noise Reduction System Type B used in this unit is not only available for encoding of the FM dolbyized signal but also useful for encoding and decoding of other signals. Therefore it is possible and effective to combine with other products such as a cassette deck without Dolby system.

FM Dolby System

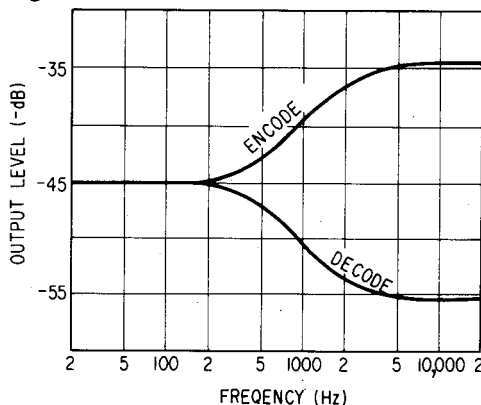
FM broadcasting system is originally able to produce a very high quality audio performance; however, FM stereophonic broadcasting system incurs a 20dB Signal-Noise ratio decrease. When Dolby B Type Noise Reduction system is used for a FM stereo, Signal-Noise ratio (S/N) is conspicuously improved and this ratio is at about 10dB.

Fig. 3-1



Whole range output Frequency Response characteristics against input level.

Fig. 3-2



Low level Frequency Response characteristics of encode and decode processors.

Principles

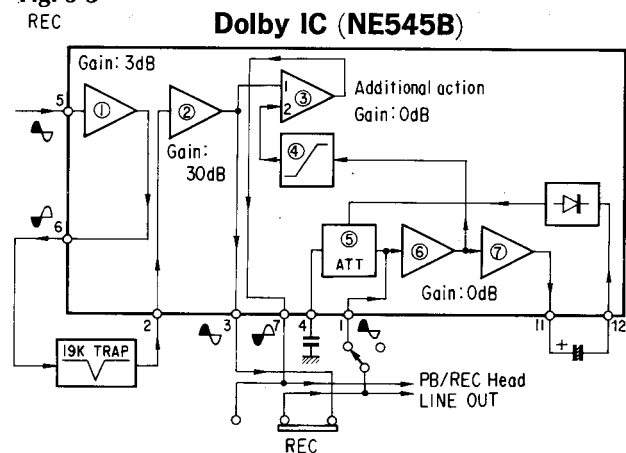
The S/N of the FM becomes worse when the frequency is high and the level is low. Because of this reason, the middle and high range of the low level signal is expanded by a FM station. Then the signal will be compressed proportionally along the expanded level by a receiving side. (See Fig. 1, 2)

This unit employs a IC NE545B for a main Dolby circuit. The Operating diagram is shown in the Fig. 3.

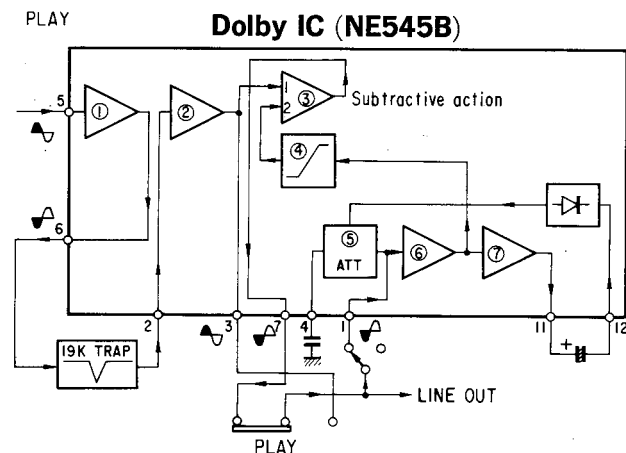
Complementary items

1. When FM Dolby system is being used, the de-emphasis of FM-out is $25\mu s$.
2. The input level of FM Dolby is at 50% modulation and $\pm 37.5kHz$.
3. This unit has a own 400Hz Oscillator for Dolby Tone in order to adjust itself to the Dolby level.

Fig. 3-3
REC



PLAY



4. ADJUSTMENTS

Abbreviations

Equipment

AM FM Generator Oscilloscope Genescope
 AM Standard Signal Generator AM SSG
 FM Standard Signal Generator FM SSG
 FM Stereo Generator Stereo SG
 Oscilloscope Scope
 Audio Oscillator Audio Osc.
 Distortion Meter Dist. Meter

Others

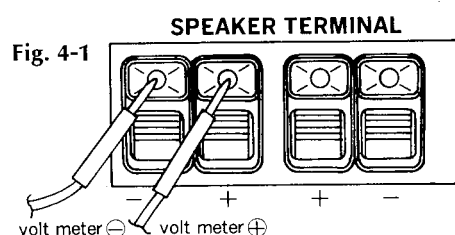
Clockwise CW.
 Counterclockwise CCW.
 Antenna ANT.
 Modulation MOD.

4-1. Audio Section

4-1-1. Driver Circuit Board Adjustment (See Figs. 4-1 & 4-2)

Note: 1. Master Volume Minimum
 2. Speaker Selector SYSTEM (A)
 3. Before adjustment, run the unit for more than 4 minutes, then check and readjust, if necessary.

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	DC 0V Front L-CH	DC volt meter	Speaker terminal Front L-CH	F-2624 VR01	0V $\pm$ 10mV	◦Step down meter's range accordingly ◦Change lead's polarity if meter swings backward
2	DC 0V Front R-CH	DC volt meter	Speaker terminal Front R-CH	F-2624 VR02	0V $\pm$ 10mV	Same as above
3	DC 0V Back L-CH	DC volt meter	Speaker terminal Back L-CH	F-2624 VR01	0V $\pm$ 10mV	Same as above
4	DC 0V Back R-CH	DC volt meter	Speaker terminal Back R-CH	F-2624 VR02	0V $\pm$ 10mV	Same as above
5	Bias current Front L-CH	DC milliammeter	F-2638 F06	F-2624 VR03	30 $\pm$ 3mA	Same as above
6	Bias current Front R-CH	DC milliammeter	F-2638 F07	F-2624 VR04	30 $\pm$ 3mA	Same as above
7	Bias current Back L-CH	DC milliammeter	F-2638 F08	F-2624 VR03	30 $\pm$ 3mA	Same as above
8	Bias current Back R-CH	DC milliammeter	F-2638 F09	F-2624 VR03	30 $\pm$ 3mA	Same as above



Rear Side (Bottom View)

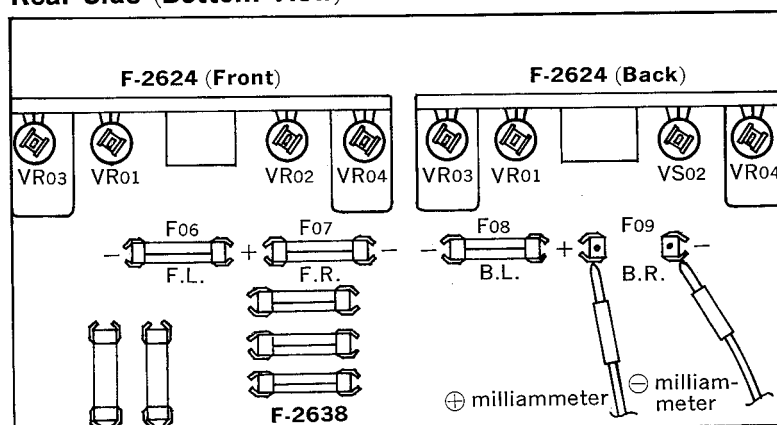


Fig. 4-2

4-1-2. Power Meter Adjustment (See Fig. 4-3)

- Note:**
1. InputAUX
 2. Input SignalSine Wave (1kHz)
 3. Speaker load.....8 Ω
 4. Master VolumeMaximum
 5. CD-4/4-CH DIRECT SwitchON
 6. Dolby NR SwitchOFF
 7. Speakers Switch4-CH A
 8. For adjustment, run the unit for more than 4 minutes after the power is switched ON.

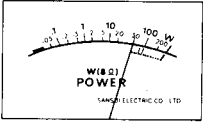
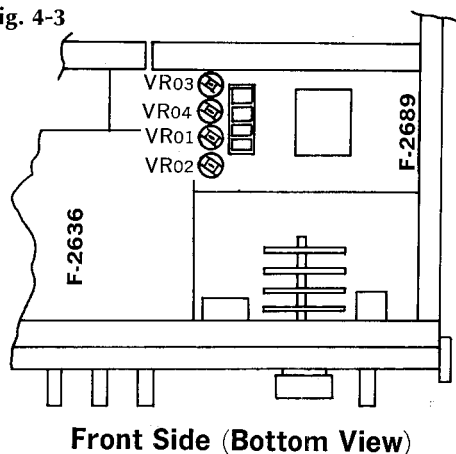
STEP	EQUIPMENT	MEASURE OUTPUT	OUTPUT LEVEL	ADJUST	ADJUST FOR
Front L-CH	AC Volt Meter	Speaker Terminal Front L-CH	20V (50W)	VR01 F-2689	Meter Position 50W 
Front R-CH	Same as above	Speaker Terminal Front R-CH	Same as above	VR02 F-2689	
Back L-CH	Same as above	Speaker Terminal Back L-CH	Same as above	VR03 F-2689	
Back R-CH	Same as above	Speaker Terminal Back R-CH	Same as above	VR04 F-2689	

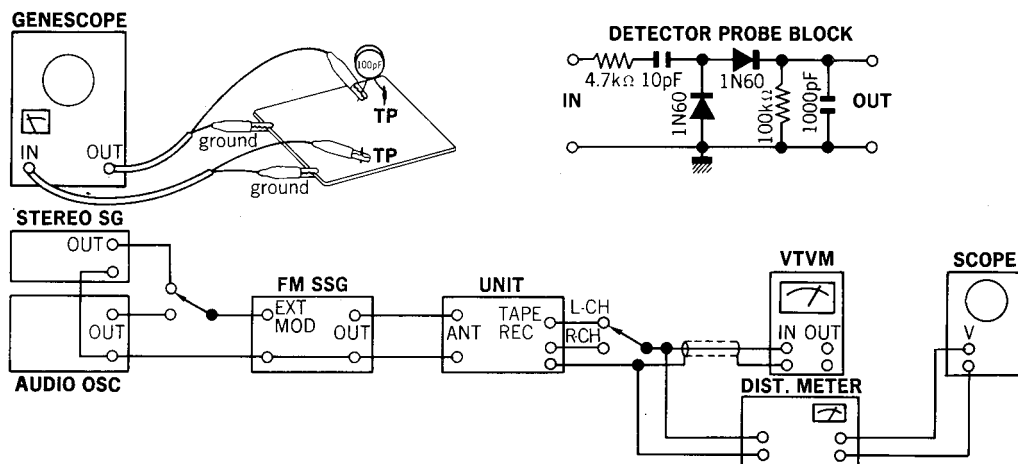
Fig. 4-3



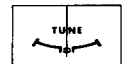
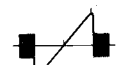
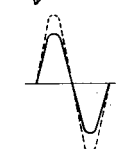
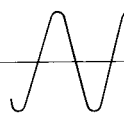
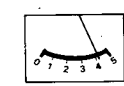
4-2. Tuner Section

4-2-1. FM & MPX Adjustment & Alignment

- Note:**
1. Selector.....FM AUTO
 2. FM Muting Switch.....OFF
 3. Connection.....Connect the output of genescope to TP through 100pF ceramic capacitor.

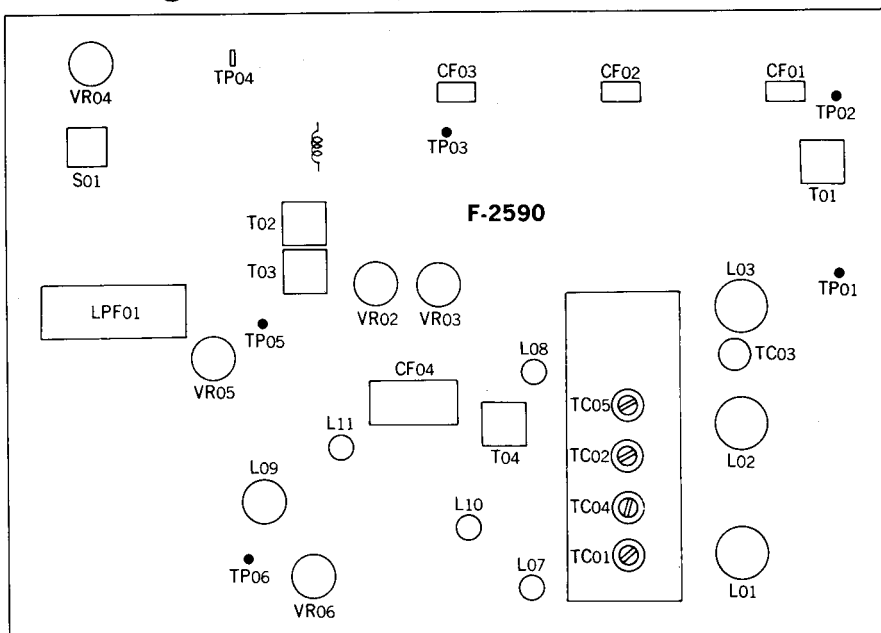


〈QRX-8001〉 A) FM IF Adjustment & Tracking (See Fig. 4-4)

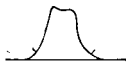
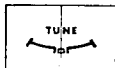
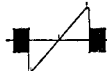
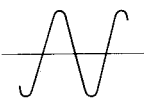
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1.	IF Coil	Output 60dB Genescope	TP01 F-2590	TP03 F-2590 Use Detector Probe	T01 F-2590	Max. IF waveform	
2.	Discriminator Coil	Output 50dB Genescope	Same as above	TP04 F-2590	T02	Center indication on tune meter	
					T03 F-2590	Max. linearity of S curve	
						Steep linearity of S curve Set output wave to dip point (It's minimum distortion)	
3.	90MHz Dial Calibration	90MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-CH VTVM & Scope	L03 F-2590	Max. Output	
	106MHz Dial Calibration	106MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	TC03 F-2590	Same as above	
4.	90MHz RF Adj.	90MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	L01, L02 F-2590	Same as above	
	106MHz RF Adj.	106MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	TC01 TC02 F-2590	Same as above	
5.	Signal Meter Volume	98MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Signal Meter	VR02 F-2590	4.3 on Meter	

◆Adjusting or Connecting Points on AM,FM & FM MPX circuit board F-2590

Fig. 4-4

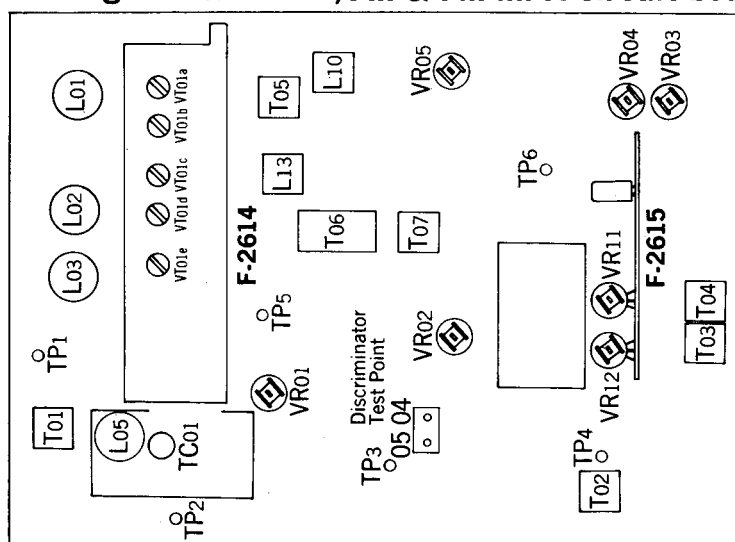


〈QRX-9001〉 B) FM IF Adjustment & Tracking (See Fig. 4-5)

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1.	IF Coil	Output 60dB Genescope	TP01 F-2614	TP03 F-2614 Use Detector Probe	T01 F-2614	Max. IF waveform	
		Output 50dB Genescope	Same as above	TP04 F-2614 Use Detector Probe	T02 F-2614		
2.	Discriminator Coil	Output 50dB Genescope	Same as above	TM04 F-2614	T03	Center indication on tune meter	   
					T04 F-2614	Max. linearity of S curve Steep linearity of S curve Set output wave to dip point (It's minimum distortion)	
3.	90MHz Dial Calibration	90MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-CH VTVM & Scope	L05 F-2614	Max. Output	
	106MHz Dial Calibration	106MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	TC01 F-2614	Same as above	
4.	90MHz RF Adj.	90MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	L01, L02, L03 F-2614	Same as above	
	106MHz RF Adj.	106MHz ANT Input 60dB 400Hz (100% MOD) FM SSG	Same as above	Same as above	VT01a VT01c VT01e F-2614	Same as above	
5.	Signal Meter Volume	98MHz ANT Input 100dB 400Hz (100% MOD) FM SSG	Same as above	Signal Meter	VR11 F-2615	4.7 on Meter	

◆Adjusting or Connecting Points on AM, FM & FM MPX circuit board F-2614

Fig. 4-5



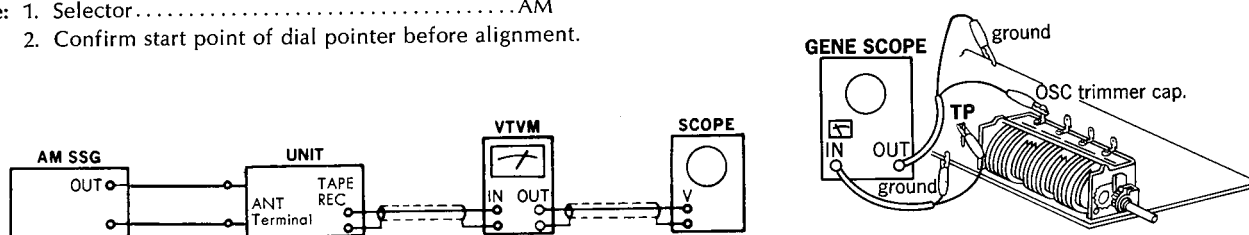
4-2-2. MPX Adjustment (See Fig. 4-4 & 4-5)

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1.	PLL VCO Adj.	98MHz ANT Input 60dB FM SSG Pilot 19kHz (10% MOD) L-CH 1kHz (45% MOD) R-CH (0% MOD) STEREO SG	ANT terminal 300Ω	Stereo indicator	(A)VR05 F-2590 (B)VR01 F-2614	Light indicator	Adjust the VR within center of lighting level.
	PLL VCO Adj. In case of using Freq. counter.		Make short between TP04 & chassis	TP05 (A)F-2590 (B)F-2614 Use Freq. counter	VR05 (A)F-2590 (B)F-2614	76kHz ±200Hz	For this adjustment, run the unit over 30 seconds.
2.	Separation	98MHz ANT Input 60dB FM SSG Pilot 19kHz (10% MOD) L-CH (0% MOD) R-CH 1kHz (45% MOD) STEREO SG	ANT terminal 300Ω	REC OUT L-CH VTVM & Scope	(A)VR04 F-2590 (B)VR02 F-2614	Min. Output -35dB	Confirm separation L-CH→R-CH -35dB
3.	Muting level & indicator level	98MHz ANT Input (A)18dB (B)23dB FM SSG Pilot 19kHz (10% MOD) L-CH 1kHz (45% MOD) R-CH (0% MOD) STEREO SG	Same as above	Stereo indicator	(A)VR03 F-2590 (B)VR12 F-2614	Muting level (A)18dB (B)23dB Indicator lighting level (A)18dB (B)23dB	

* In the procedure above, (A) is indicating QRX-8001 and (B) is QRX-9001.

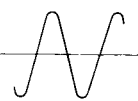
4-2-3. AM IF Adjustment & Tracking (See Fig. 4-4 & 4-5)

- Note:** 1. Selector.....AM
2. Confirm start point of dial pointer before alignment.



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
1.	IF Coil	Genescope Output 65dB	(A)TC04 F-2590 (B)VT01b F-2614	TP06 (A)F-2590 (B)F-2614	(A)CF04 F-2590 (B)T06 F-2614	Max. IF waveform	
2.	600kHz Dial Calibration	600kHz ANT Input 60dB 400Hz (MOD 30%) AM SSG	AM ANT terminal	REC OUT L or R-CH VTVM & Scope	(A)T04 F-2590 (B)L13 F-2614	Max. Output	
	1400kHz Dial Calibration	1400kHz ANT Input 60dB 400Hz (MOD 30%) AM SSG	Same as above	Same as above	TC05 (A)F-2590 (B)F-2614	Same as above	

to be continued

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
		FROM	TO				
3.	600kHz RF Adj.	600kHz ANT Input 60dB 400Hz (MOD 30%) AM SSG	AM ANT Terminal	REC OUT L or R-CH VTVM & scope	L702 Bar Antenna	Same as above	
	1400kHz RF Adj.	1400kHz ANT Input 60dB 400Hz (MOD 30%) AM SSG	Same as above	Same as above	(A)TC04 F-2590 (B)VT01b F-2614	Same as above	
4.	Signal Meter volume	1000kHz ANT Input 76dB 400Hz (MOD 30%) AM SSG	Same as above	Signal Meter	(A)VR06 F-2590 (B)VR05 F-2614	(A)4.3 on meter (B)4 on meter	

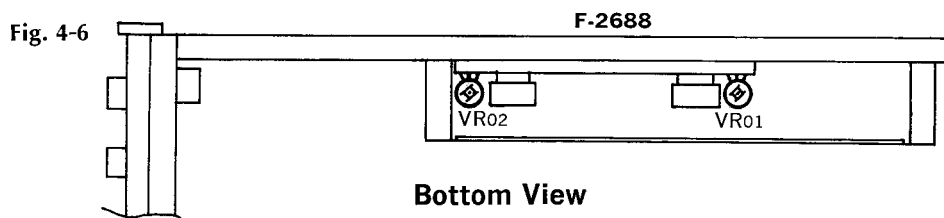
* In the procedure above, (A) is indicating QRX-8001 and (B) is QRX-9001.

4-3. Dolby Circuit Adjustment (QRX-9001 Only) (See Fig. 4-6)

4-3-1. Input Level Adjustment of Dolby IC (NE545B)

- Note:**
- | | | | |
|---------------------------|---------|--------------------------------|-----|
| 1. Speaker Selector | 2-CH A | 4. Accessory Switch | OFF |
| 2. Master Volume | Minimam | 5. REC Level Volume | MAX |
| 3. Balance Volume | Center | 6. Dolby Selector Switch | REC |

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR
		FROM	TO			
1.	L-CH	400Hz 85mV Audio OSC.	AUX Terminal	REC Terminal TAPE 1 VTVM	VR01 F-2688	Output 270mV
2.	R-CH	Same as above	AUX Terminal	REC Terminal TAPE 1 VTVM	VR02 F-2688	Same as above



4-3-2. Calibration Tone Volume & Dolby Meter Volume Adjustment

- Note:**
- | | | | |
|---------------------------|---------|--------------------------------|-----|
| 1. Speaker Selector | 2-CH A | 4. Accessory Switch | OFF |
| 2. Master Volume | Minimam | 5. Dolby Selector Switch | REC |
| 3. Balance Volume | Center | | |

(1) Calibration Tone Volume Adjustment (See Fig. 4-7 on Page 12)

1. Turn on the Dolby REC CAL. TONE switch.
2. Connect VTVM to the front TAPE 1 REC terminal.
3. Adjust VR601 on the circuit board, F-2634 to obtain 270mV on indication of VTVM.

(2) Dolby Meter Volume Adjustment (See Fig. 4-8, 4-9)

Adjust VR01 (L-CH) and VR02 (R-CH) on the circuit board, F-2633 so that indicator of power meter will be center of Dolby mark.

Fig. 4-7

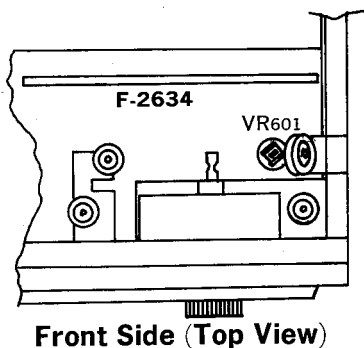


Fig. 4-9

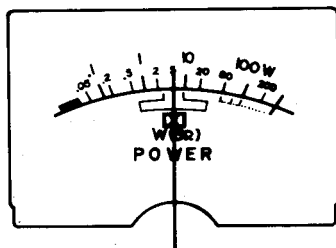
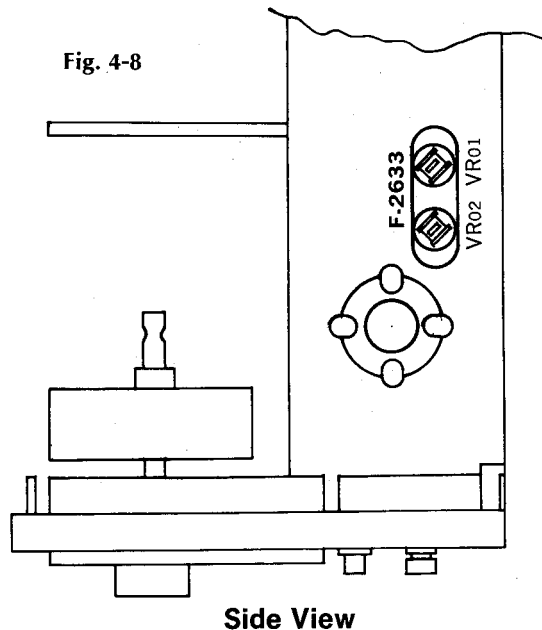


Fig. 4-8

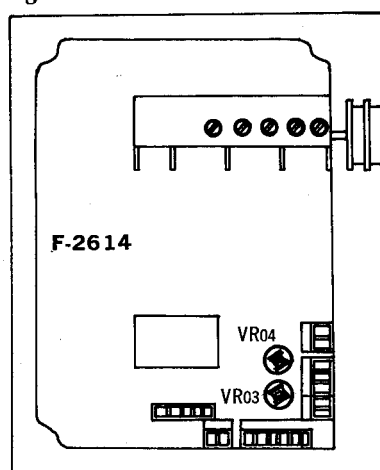


4-3-3. FM Dolby Volume Adjustment (See Fig. 4-10)

- Note:**
1. Selector.....FM
 2. Dolby SelectorDolby FM
 3. REC CAL. TONE Switch.....OFF
 4. Master VolumeMin.

SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR
	FROM	TO			
L-CH	98MHz ANT Input 60dB FM SSG Pilot 19kHz (10% MOD) L-CH 1kHz (25% MOD) R-CH (0% MOD)	FM ANT Terminal 300Ω	REC Terminal TAPE 1 L-CH VTVM	VR03 F-2614	Output Level 270mV
R-CH	98MHz ANT Input 60dB FM SSG Pilot 19kHz (10% MOD) R-CH 1kHz (25% MOD) L-CH (0% MOD)	Same as above	REC Terminal TAPE 1 R-CH VTVM	VR04 F-2614	Same as above

Fig. 4-10



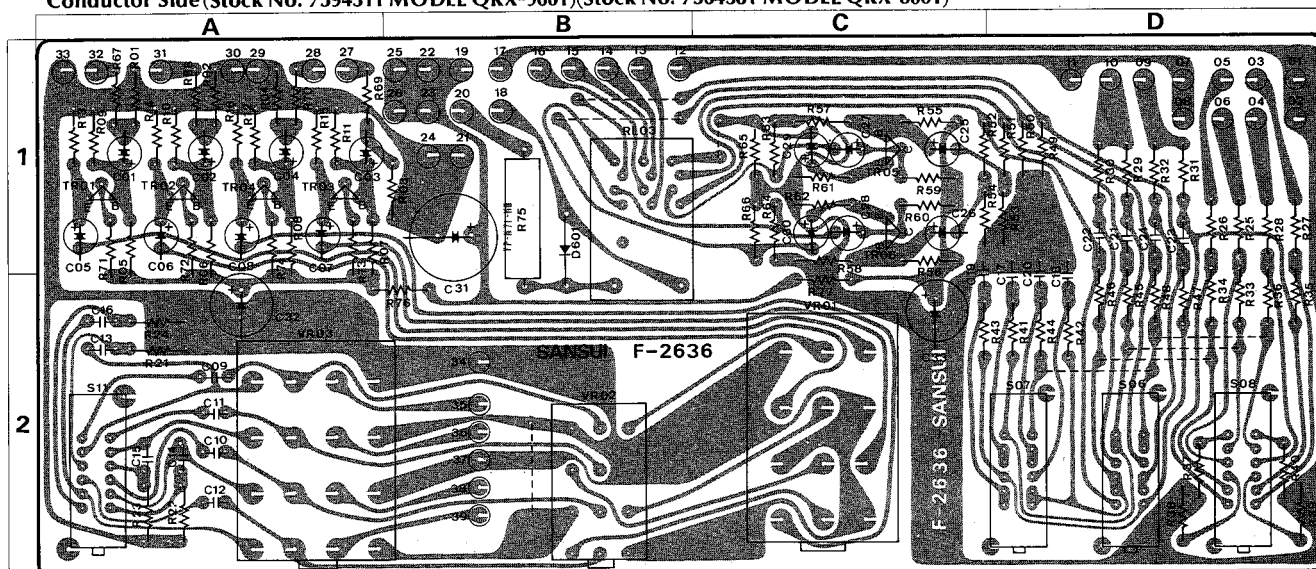
Front Side (Top View)

5. PARTS LOCATION & PARTS LISTS

5-1. F-2636 Volume & Filter Circuit Board

Conductor Side (Stock No. 7594311 MODEL QRX-9001)(Stock No. 7564381 MODEL QRX-8001)

Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the common parts list for capacitors & resistors which was appended previously to each Sansui Manual.



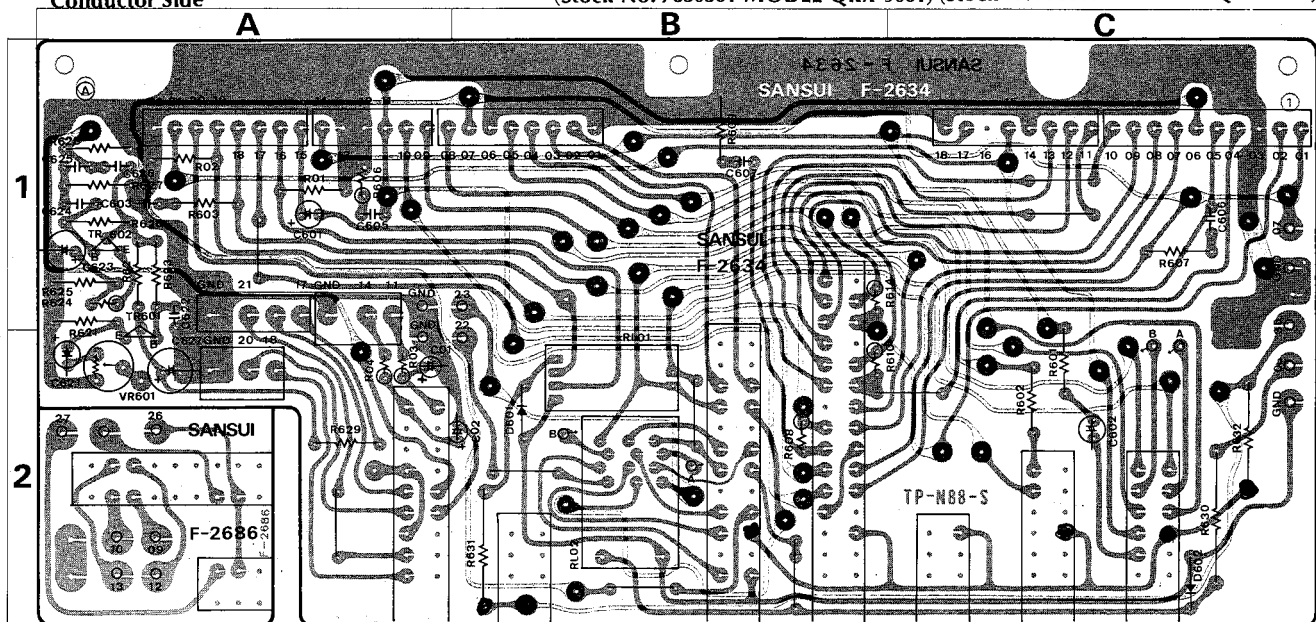
Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position			
TR01-04	0306070	2SC1313 (F, G)	Transistor	1 A	VR01	1060380, 1	250kΩ × 4 (M, N)	Volume	2 C	S03-04	1170880	SLS14251 A	Lever Switch	
TR05, 06	0306070, 1	2SC1313 (F, G)		1 C	VR02	1065030, 1	250kΩ × 4 (M, N)		2 B	MODEL QRX-9001 Only				
D01	0310340	10D1 Diode		1, 2 B	VR03	1060450, 1	250kΩ × 4 (B)		2 A	S05	1170880			
C09-12	0620161	160pF 50V P.C.		MODEL QRX-8001 Only					S06, 07	1170880	Lever Switch	2 D		
R75	0182561	560Ω 2W Ce.R.	1, 2 B	S01	1170880	SLS14251 A	Lever Switch		S08	1170870		2 D		
RL01	1150380	MH4P-0 Relay		S02	1170870	SLS14201 A								

5-2. F-2634 4-ch Function Switch & REC CAL Tone Circuit Board

Conductor Side

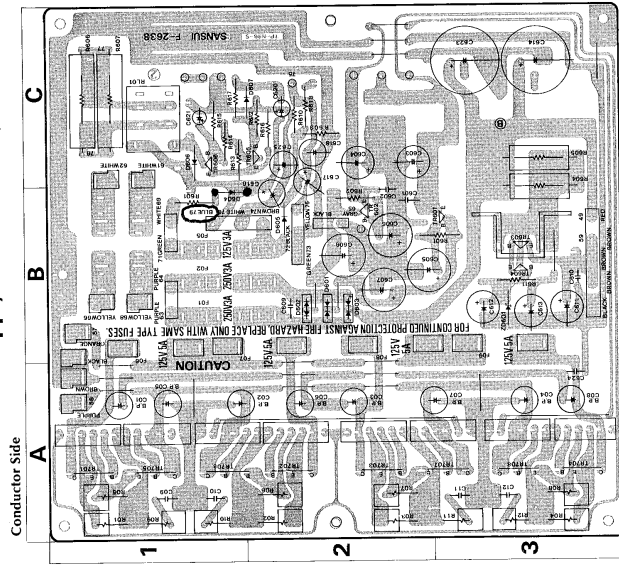
(Stock No. 7650501 MODEL QRX-9001) (Stock No. 7650551 MODEL QRX-8001)



Parts List

Parst No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	
D601	0310340	10D-1 Diode	2 B	S02	1131350	Push Switch, AUDIO MUTING		MODEL QRX-9001 Only				
ZD901	0315970	EQ801-13R Zener Diode		2410590	4P Pin Ass'y (Type D)			TR601	0306131, 2	2SC1364 (6, 7)	Transistor	1, 2 A
R630	0182821	820Ω 2 W Ce.R.	2 C	2410730	6P Pin Ass'y (Type A)			TR602	0306131, 2	2SC1364 (6, 7)		1 A
RL01	1150320	HA-224N Relay	2 B	2410740	8P Pin Ass'y (Type A)			D602	0310340	10D-1 Diode		2 C
RL02	1150380	MH4P-0 Relay	2 B	2410750	10P Pin Ass'y (Type A)			VR601	1035190	100kΩ(B)		2 A
				MODEL QRX-8001 Only				S03	1131340	Push Switch, LOW FILTER		
				S09	1131340	Push Switch		2410920	3P Pin Ass'y (Type E)			

5-3. F-2638 Power Supply Circuit Board (Stock No. 7502031 MODEL QRX-9001) (Stock No. 7502051 MODEL QRX-8001)



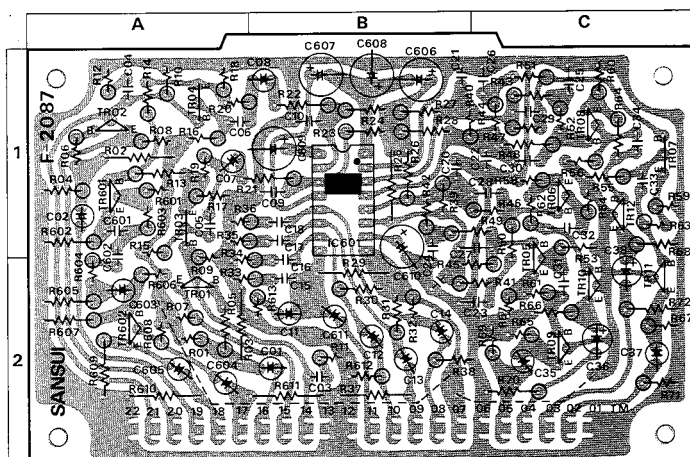
Conductor Side

Parts List

Parts No.	Stock No.	Description	Position
TR1	030451	25C136 (D)	3 B
TR2	030452	25C136 (E)	3 B
TR3	030453	25C136 (F)	3 B
TR4	030454	25C136 (G)	3 B
TR5	030455	25C136 (H)	3 B
TR6	030456	25C136 (I)	3 B
TR7	030457	25C136 (J)	3 B
TR8	030458	25C136 (K)	3 B
TR9	030459	25C136 (L)	3 B
TR10	030460	25C136 (M)	3 B
TR11	030461	25C136 (N)	3 B
TR12	030462	25C136 (O)	3 B
TR13	030463	25C136 (P)	3 B
TR14	030464	25C136 (Q)	3 B
TR15	030465	25C136 (R)	3 B
TR16	030466	25C136 (S)	3 B
TR17	030467	25C136 (T)	3 B
TR18	030468	25C136 (U)	3 B
TR19	030469	25C136 (V)	3 B
TR20	030470	25C136 (W)	3 B
TR21	030471	25C136 (X)	3 B
TR22	030472	25C136 (Y)	3 B
TR23	030473	25C136 (Z)	3 B
TR24	030474	25C136 (A)	3 B
TR25	030475	25C136 (B)	3 B
TR26	030476	25C136 (C)	3 B
TR27	030477	25C136 (D)	3 B
TR28	030478	25C136 (E)	3 B
TR29	030479	25C136 (F)	3 B
TR30	030480	25C136 (G)	3 B
TR31	030481	25C136 (H)	3 B
TR32	030482	25C136 (I)	3 B
TR33	030483	25C136 (J)	3 B
TR34	030484	25C136 (K)	3 B
TR35	030485	25C136 (L)	3 B
TR36	030486	25C136 (M)	3 B
TR37	030487	25C136 (N)	3 B
TR38	030488	25C136 (O)	3 B
TR39	030489	25C136 (P)	3 B
TR40	030490	25C136 (Q)	3 B
TR41	030491	25C136 (R)	3 B
TR42	030492	25C136 (S)	3 B
TR43	030493	25C136 (T)	3 B
TR44	030494	25C136 (U)	3 B
TR45	030495	25C136 (V)	3 B
TR46	030496	25C136 (W)	3 B
TR47	030497	25C136 (X)	3 B
TR48	030498	25C136 (Y)	3 B
TR49	030499	25C136 (Z)	3 B
TR50	030500	25C136 (A)	3 B
TR51	030501	25C136 (B)	3 B
TR52	030502	25C136 (C)	3 B
TR53	030503	25C136 (D)	3 B
TR54	030504	25C136 (E)	3 B
TR55	030505	25C136 (F)	3 B
TR56	030506	25C136 (G)	3 B
TR57	030507	25C136 (H)	3 B
TR58	030508	25C136 (I)	3 B
TR59	030509	25C136 (J)	3 B
TR60	030510	25C136 (K)	3 B
TR61	030511	25C136 (L)	3 B
TR62	030512	25C136 (M)	3 B
TR63	030513	25C136 (N)	3 B
TR64	030514	25C136 (O)	3 B
TR65	030515	25C136 (P)	3 B
TR66	030516	25C136 (Q)	3 B
TR67	030517	25C136 (R)	3 B
TR68	030518	25C136 (S)	3 B
TR69	030519	25C136 (T)	3 B
TR70	030520	25C136 (U)	3 B
TR71	030521	25C136 (V)	3 B
TR72	030522	25C136 (W)	3 B
TR73	030523	25C136 (X)	3 B
TR74	030524	25C136 (Y)	3 B
TR75	030525	25C136 (Z)	3 B
TR76	030526	25C136 (A)	3 B
TR77	030527	25C136 (B)	3 B
TR78	030528	25C136 (C)	3 B
TR79	030529	25C136 (D)	3 B
TR80	030530	25C136 (E)	3 B
TR81	030531	25C136 (F)	3 B
TR82	030532	25C136 (G)	3 B
TR83	030533	25C136 (H)	3 B
TR84	030534	25C136 (I)	3 B
TR85	030535	25C136 (J)	3 B
TR86	030536	25C136 (K)	3 B
TR87	030537	25C136 (L)	3 B
TR88	030538	25C136 (M)	3 B
TR89	030539	25C136 (N)	3 B
TR90	030540	25C136 (O)	3 B
TR91	030541	25C136 (P)	3 B
TR92	030542	25C136 (Q)	3 B
TR93	030543	25C136 (R)	3 B
TR94	030544	25C136 (S)	3 B
TR95	030545	25C136 (T)	3 B
TR96	030546	25C136 (U)	3 B
TR97	030547	25C136 (V)	3 B
TR98	030548	25C136 (W)	3 B
TR99	030549	25C136 (X)	3 B
TR100	030550	25C136 (Y)	3 B
TR101	030551	25C136 (Z)	3 B
TR102	030552	25C136 (A)	3 B
TR103	030553	25C136 (B)	3 B
TR104	030554	25C136 (C)	3 B
TR105	030555	25C136 (D)	3 B
TR106	030556	25C136 (E)	3 B
TR107	030557	25C136 (F)	3 B
TR108	030558	25C136 (G)	3 B
TR109	030559	25C136 (H)	3 B
TR110	030560	25C136 (I)	3 B
TR111	030561	25C136 (J)	3 B
TR112	030562	25C136 (K)	3 B
TR113	030563	25C136 (L)	3 B
TR114	030564	25C136 (M)	3 B
TR115	030565	25C136 (N)	3 B
TR116	030566	25C136 (O)	3 B
TR117	030567	25C136 (P)	3 B
TR118	030568	25C136 (Q)	3 B
TR119	030569	25C136 (R)	3 B
TR120	030570	25C136 (S)	3 B
TR121	030571	25C136 (T)	3 B
TR122	030572	25C136 (U)	3 B
TR123	030573	25C136 (V)	3 B
TR124	030574	25C136 (W)	3 B
TR125	030575	25C136 (X)	3 B
TR126	030576	25C136 (Y)	3 B
TR127	030577	25C136 (Z)	3 B
TR128	030578	25C136 (A)	3 B
TR129	030579	25C136 (B)	3 B
TR130	030580	25C136 (C)	3 B
TR131	030581	25C136 (D)	3 B
TR132	030582	25C136 (E)	3 B
TR133	030583	25C136 (F)	3 B
TR134	030584	25C136 (G)	3 B
TR135	030585	25C136 (H)	3 B
TR136	030586	25C136 (I)	3 B
TR137	030587	25C136 (J)	3 B
TR138	030588	25C136 (K)	3 B
TR139	030589	25C136 (L)	3 B
TR140	030590	25C136 (M)	3 B
TR141	030591	25C136 (N)	3 B
TR142	030592	25C136 (O)	3 B
TR143	030593	25C136 (P)	3 B
TR144	030594	25C136 (Q)	3 B
TR145	030595	25C136 (R)	3 B
TR146	030596	25C136 (S)	3 B
TR147	030597	25C136 (T)	3 B
TR148	030598	25C136 (U)	3 B
TR149	030599	25C136 (V)	3 B
TR150	030600	25C136 (W)	3 B
TR151	030601	25C136 (X)	3 B
TR152	030602	25C136 (Y)	3 B
TR153	030603	25C136 (Z)	3 B
TR154	030604	25C136 (A)	3 B
TR155	030605	25C136 (B)	3 B
TR156	030606	25C136 (C)	3 B
TR157	030607	25C136 (D)	3 B
TR158	030608	25C136 (E)	3 B
TR159	030609	25C136 (F)	3 B
TR160	030610	25C136 (G)	3 B
TR161	030611	25C136 (H)	3 B
TR162	030612	25C136 (I)	3 B
TR163	030613	25C136 (J)	3 B
TR164	030614	25C136 (K)	3 B
TR165	030615	25C136 (L)	3 B
TR166	030616	25C136 (M)	3 B
TR167	030617	25C136 (N)	3 B
TR168	030618	25C136 (O)	3 B
TR169	030619	25C136 (P)	3 B
TR170	030620	25C136 (Q)	3 B
TR171	030621	25C136 (R)	3 B
TR172	030622	25C136 (S)	3 B
TR173	030623	25C136 (T)	3 B
TR174	030624	25C136 (U)	3 B
TR175	030625	25C136 (V)	3 B
TR176	030626	25C136 (W)	3 B
TR177	030627	25C136 (X)	3 B
TR178	030628	25C136 (Y)	3 B
TR179	030629	25C136 (Z)	3 B
TR180	030630	25C136 (A)	3 B
TR181	030631	25C136 (B)	3 B
TR182	030632	25C136 (C)	3 B
TR183	030633	25C136 (D)	3 B
TR184	030634	25C136 (E)	3 B
TR185	030635	25C136 (F)	3 B
TR186	030636	25C136 (G)	3 B
TR187	030637	25C136 (H)	3 B
TR188	030638	25C136 (I)	3 B
TR189	030639	25C136 (J)	3 B
TR190	030640	25C136 (K)	3 B
TR191	030641	25C136 (L)	3 B
TR192	030642	25C136 (M)	3 B
TR193	030643	25C136 (N)	3 B
TR194	030644	25C136 (O)	3 B
TR195	030645	25C136 (P)	3 B
TR196	030646	25C136 (Q)	3 B
TR197	030647	25C136 (R)	3 B
TR198	030648	25C136 (S)	3 B
TR199	030649	25C136 (T)	3 B
TR200	030650	25C136 (U)	3 B
TR201	030651	25C136 (V)	3 B
TR202	030652	25C136 (W)	3 B
TR203	030653	25C136 (X)	3 B
TR204	030654	25C136 (Y)	3 B
TR205	030655	25C136 (Z)	3 B
TR206	030656	25C136 (A)	3 B
TR207	030657	25C136 (B)	3 B
TR208	030658	25C136 (C)	3 B
TR209	030659	25C136 (D)	3 B
TR210	030660	25C136 (E)	3 B
TR211	030661	25C136 (F)	3 B
TR212	030662	25C136 (G)	3 B
TR213	030663	25C136 (H)	3 B
TR214	030664	25C136 (I)	3 B
TR215	030665	25C136 (J)	3 B
TR216	030666	25C136 (K)	3 B
TR217	030667	25C136 (L)	3 B
TR218	030668	25C136 (M)	3 B
TR219	030669	25C136 (N)	3 B
TR220	030670	25C136 (O)	3 B
TR221	030671	25C136 (P)	3 B
TR222	030672	25C136 (Q)	3 B
TR223	030673	25C136 (R)	3 B
TR224	030674	25C136 (S)	3 B
TR225	030675	25C136 (T)	3 B
TR226	030676	25C136 (U)	3 B
TR227	030677	25C136 (V)	3 B
TR228	030678	25C136 (W)	3 B
TR229	030679	25C136 (X)	3 B
TR230	030680	25C136 (Y)	3 B
TR231	030681	25C136 (Z)	3 B
TR232	030682	25C136 (A)	3 B
TR233	030683	25C136 (B)	3 B
TR234	030684	25C136 (C)	3 B
TR235	030685	25C136 (D)	3 B
TR236	030686	25C136 (E)	3 B
TR237	030687	25C136 (F)	3 B
TR238	030688	25C136 (G)	3 B
TR239	030689	25C136 (H)	3 B
TR240	030690	25C136 (I)	3 B
TR241	030691	25C136 (J)	3 B
TR242	030692	25C136 (K)	3 B
TR243	030693	25C136 (L)	3 B
TR244	030694	25C136 (M)	3 B
TR245	030695	25C136 (N)	3 B
TR246	030696	25C136 (O)	3 B
TR247	030697	25C136 (P)	3 B
TR248	030698	25C136 (Q)	3 B
TR249	030699	25C136 (R)	3 B
TR250	030700	25C136 (S)	3 B
TR251	030701	25C136 (T)	3 B
TR252	030702	25C136 (U)	3 B
TR253	030703	25C136 (V)	3 B
TR254	030704	25C136 (W)	3 B
TR255	030705	25C136 (X)	3 B
TR256	030706	25C136 (Y)	3 B
TR257	030707	25C136 (Z)	3 B
TR258	030708	25C136 (A)	3 B
TR259	030709	25C136 (B)	3 B
TR260	030710	25C136 (C)	3 B
TR261	030711	25C136 (D)	3 B
TR262	030712	25C136 (E)	3 B
TR263	030713	25C136 (F)	3 B
TR264	030714	25C136 (G)	3 B

5-12. F-2087 QS Matrix Circuit Board (Stock No. 7650481 MODEL QRX-9001) (Stock No. 7650531 MODEL QRX-8001)

Conductor Side



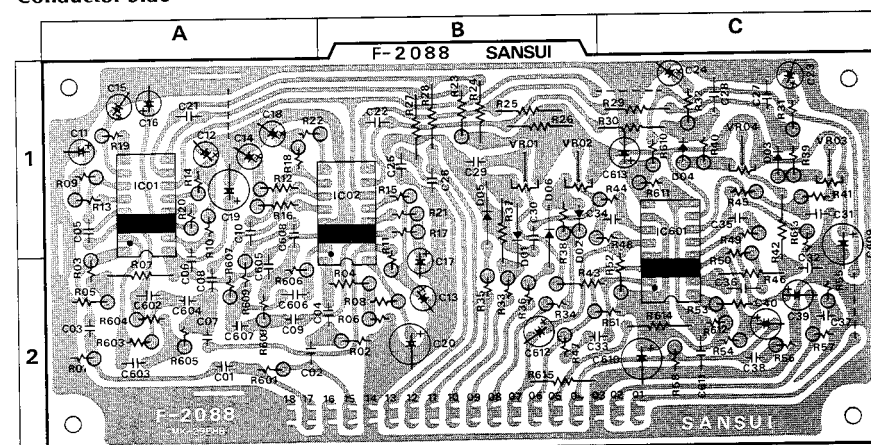
Parts List

Parts No.	Stock No.	Description	Position
TR01	0300470, 1	2SA726 (F, G)	2 A
TR02	0300470, 1	2SA726 (F, G)	1 A
TR03, 04	0306090, 1	2SC1312R (F, G)	1 A
TR05, 06	0306091	2SC1312R (G)	1, 2 C, 1 C
TR07	0306091	2SC1312R (G)	1 C
TR08	0306091	2SC1312S (G)	1 C
TR09, 12	0306090, 1	2SC1312R (F, G)	2 C, 1 C
TR601	0306090, 1	2SC1312R (F, G)	1 A
TR602	0306090, 1	2SC1312R (F, G)	2 A
IC601	0360210	HA1328 I.C.	1 B
C19	0620561	560pF	1 B
C20	0620561	560pF	1 B
C21	0620561	560pF	1 B
C22	0620561	560pF	1 C
C33	0620561	560pF	1 C
	2420520	6P Connector (Type A)	
	2420530	8P Connector (Type A)	

5-13. F-2088 QS Phase Discriminator Section Circuit Board

(Stock No. 7650491 MODEL QRX-9001) (Stock No. 7650541 MODEL QRX-8001)

Conductor Side



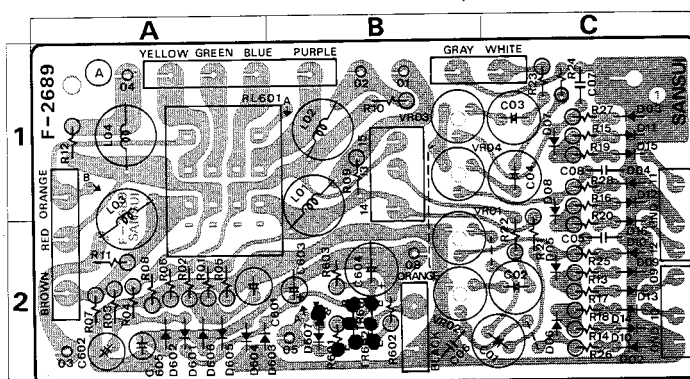
Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
IC01	0360090	HA1327 (L)	1 A	IC02	0360090	HA1327 (L)	1 A
	or	or			or		
	0360091	HA1327 (N)			0360091	HA1327 (N)	
	or	or			or		
	0360092	HA1327 (H)		0360092	HA1327 (H)		

Parts No.	Stock No.	Description	Position
IC601	0360100	HD3103PB I.C.	1, 2 C
D01	0311160	1S2473D	1, 2 B
D02	0311160	1S2473D	1 B
D03	0311160	1S2473D	1 C
D04	0311160	1S2473D	1 C
D05	0311160	1S2473D	1 B
D06	0311160	1S2473D	1, 2 B
C03	0620331	330pF	2 A
C04	0620331	330pF	2 B
C07	0620681	680pF	2 A
C08	0620681	680pF	2 A
C09	0620681	680pF	2 A
C10	0620681	680pF	1 A
C604	0620471	470pF	2 A
C607	0620471	470pF	2 A
C608	0620471	470pF	1 A
VR01	1035490	1MΩ(B)	1 B
VR02	1035490	1MΩ(B)	1 B
VR03	1035490	1MΩ(B)	1 C
VR04	1035490	1MΩ(B)	1 C
	2420530	8P Connector (Type A)	
	2420540	10P Connector (Type A)	

5-14. F-2689 Protector Circuit Board (Stock No. 7594341 MODEL QRX-9001) (Stock No. 7594411 MODEL QRX-8001)

Conductor Side

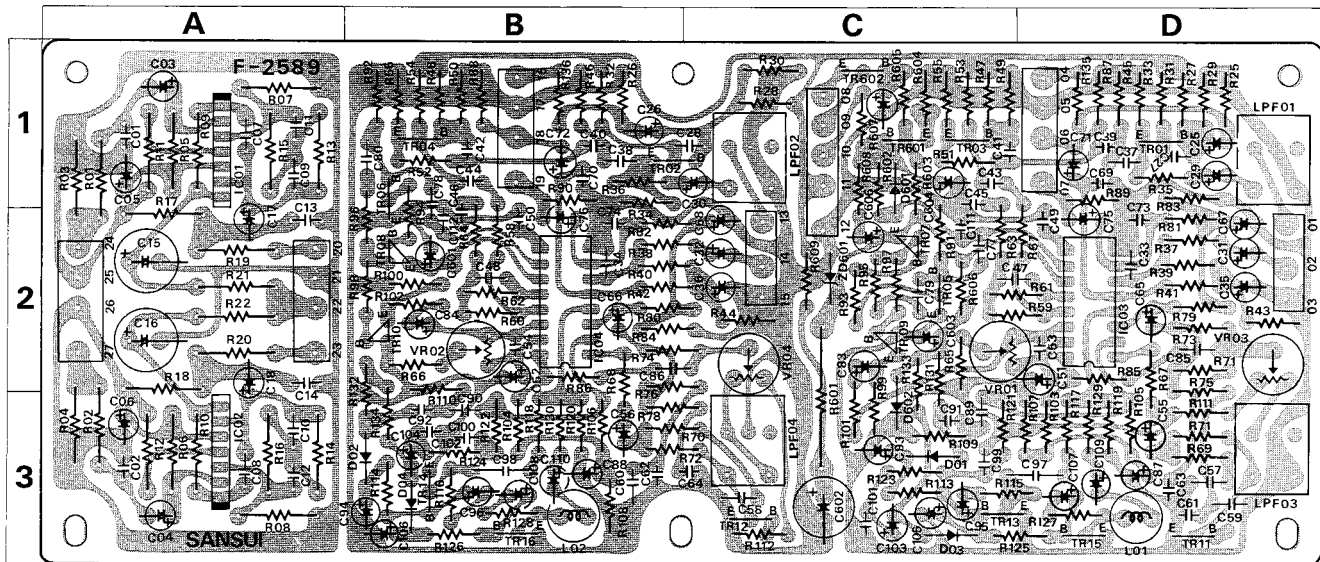


Parts List

Parts No.	Stock No.	Description	Position
TR601	0306131, 2	25C1364 (6, 7) } Transistor	2 B
TR602	0306131, 2	25C1364 (6, 7) }	2 B
D01-04	0310330, 1	1N60	1, 2 C
D05-08	0311160	152473D	
	or		
	0311180	151588	1, 2 C
D09-12	0310330, 1	1N60	1, 2 C
D13-16	0310330, 1	1N60	1, 2 C
D601	0310330, 1	1N60	2 A
D602	0310330, 1	1N60	2 A
D603	0310330, 1	1N60	2 A
D604	0310330, 1	1N60	2 A
D605	0310330, 1	1N60	2 A
D606	0310330, 1	1N60	2 A
D607	0310340	10D-1	2 B
R09-12	0103479	4.7Ω 1/2W C.R.	1B, 1, 2A
R21-24	0210471	470Ω 1/2W N.I.R. (MODEL QRX-9001 Only)	1, 2 C
L01-04	4290210	Filter Coil	1 A, B
RL601	1150101 or 1150103	MY4-02-US RABK-4B-DC24V } Relay	1 A
VR01-04	1035110	4.7kΩ(B) Semi-Variable Resistor	1, 2 B
	2410670	3P Pin Ass'y (Type F)	
	2410920	3P Pin Ass'y (Type E)	

5-15. F-2589 Equalizer & CD-4 Circuit Board (Stock No. 7551021 MODEL QRX-9001) (Stock No. 7551011 MODEL QRX-8001)

Conductor Side

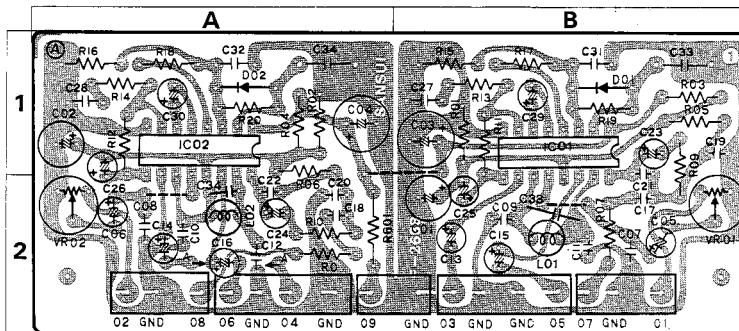


Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
TR01, 02	0306011, 2	2SC1222 (E, F)	1D, 1A, B	IC01, 02	0360190	BA312	1 A, 3 A	R601	0182151	150Ω 2W Ce.R.	2, 3 C
	or	or		IC03, 04	0360330	CD4-392		L01, 02	4900220	100mH Inductor	3 D, 3 B
TR03, 04	0306070, 1	2SC1313 (F, G)		D01, 02	0311160	1S2473D		LF01, 02	0910340	DC-13Q	Ceramic Filter
	or	or	1 C, 1 B	D03, 04	0311160	1S2473D	3 C, 3 B	LF03, 04	4910340	DC-13Q	
	0306011, 2	2SC1222 (E, F)			0311160	1S2473D		VR01, 02	1035130	10kΩ(B)	Semi-Variable Resistor
	0306070, 1	2SC1313 (F, G)		D601	or	or	Diode	VR03, 04	1035100	3.3kΩ(B)	
TR05, 06	0305951-3	2SC945 (Q, P, K)	Transistor		0311180	1S1588			2410570	3020-5A	5P Pin Ass'y (Type D)
TR07, 08	0300510, 1	2SA733 (P, Q)		D602	or	or	2, 3 C		2410580	3020-3A	
TR09, 10	0305951-3	2SC945 (Q, P, K)			0311160	1S2473D			2410590	3020-4A	
TR11, 12	0305951-3	2SC945 (Q, P, K)	3 D, 3 C	ZD601	0311180	1S1588	2 C				
TR13, 14	0305952	2SC945 (P)			0316290	RD-12E(B)					
TR15, 16	0305952	2SC945 (P)									
TR601	0305951-3	2SC945 (Q, P, K)	1 C	IC03, 104	0573228	0.22/1F	35WV T.C.				
TR602	0305951-3	2SC945 (Q, P, K)	1 C	IC09, 110	0573688	0.68/1F					

5-16. F-2688 Dolby Circuit Board (Stock No. 7660081 MODEL QRX-9001 Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
IC01, 02	0360340	NE5458 IC	1 B, 1 A
D01, 02	0310400	1N34A Diode	1 B, 1 A
R601	0201820	82Ω 1W M.R.	2 A
L01, 02	4900260	Inductor	2 B, 2 A
VR01, 02	1035430	100kΩ (B) Semi-Variable Resistor	2 B, 2 A
	2410680	4P Pin Ass'y (Type F)	

5-17. F-2640 Illumination Circuit Board (1)

(Stock No. 7594351 MODEL QRX-9001)
(Stock No. 7594421 MODEL QRX-8001)

Parts List

Parts No.	Stock No.	Description
	7726200	Lamp Ass'y (C) (MODEL QRX-9001 Only)

5-18. F-2641 Illumination Circuit Board (2)

(Stock No. 7594361 MODEL QRX-9001)
(Stock No. 7594431 MODEL QRX-8001)

Parts List

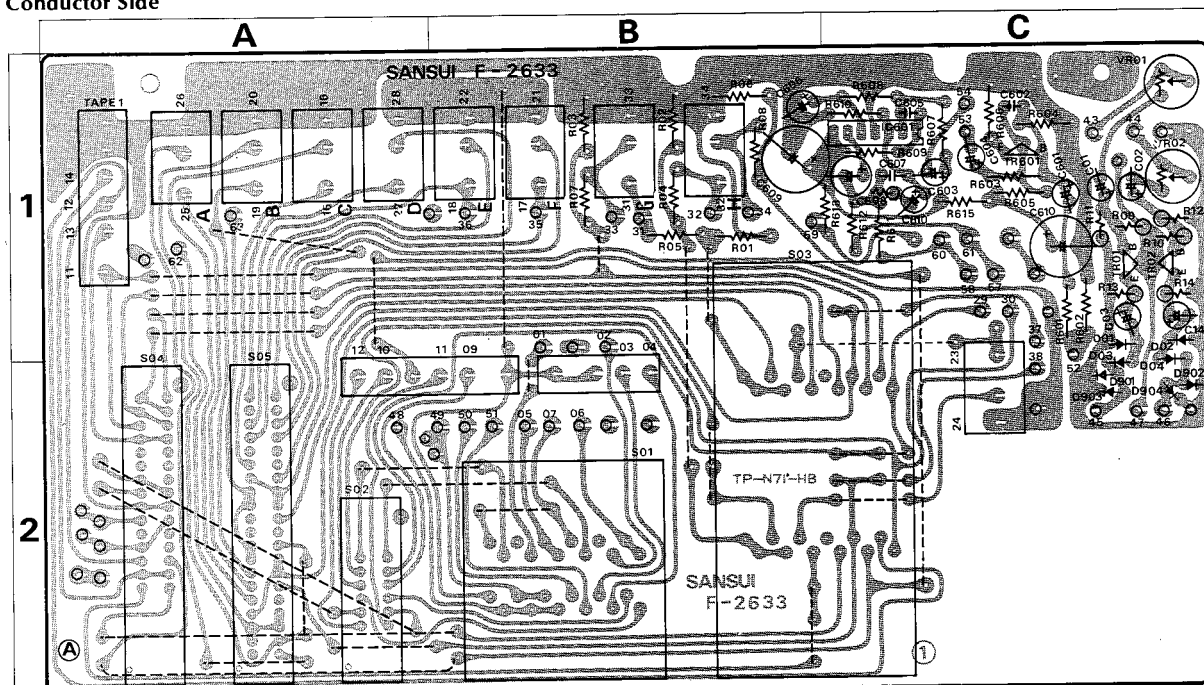
Parts No.	Stock No.	Description
R01	0193220	22Ω 1/4W F.R.
	7726210	Lamp Ass'y (D)
	7726200	Lamp Ass'y (C) (MODEL QRX-9001 Only)

5-19. F-2635 4-ch Function Switch & REC CAL

Tone Sub Circuit Board (Stock No. 7650471 MODEL QRX-9001)
(Stock No. 7650521 MODEL QRX-8001)

5-20. F-2633 Dolby Change Circuit Board (Stock No. 7660061 MODEL QRX-9001 Only)

Conductor Side



Parts List

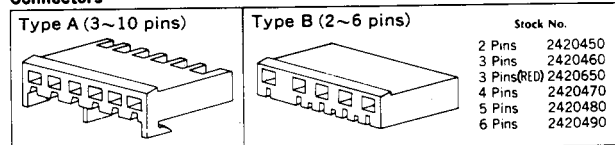
Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
TR01, 02	0305732 or 0305733 0306070 or 0306071	2SC711 (F) or 2SC711 (G) 2SC1313 (F) or 2SC1313 (G)	1 C	D03, 04	0310330, 1	1N60	2 C	S04	1170820	Lever Switch, TAPE MONITOR (2 Contact)	2 A
TR601		Transistor	1 C	D901, 902	0310330, 1	1N60	2 C	S05	1171000	Lever Switch, TAPE MONITOR (3 Contact)	2 A
IC601	0360200	BA3125 IC	1 C	D903, 904	0310330, 1	1N60	2 C		2410590	4P Pin Ass'y (Type D)	
D01, 02	0310330, 1	1N60 Diode	1 C	C601	0573108	0.1μF 35V T.C.	1 C		2410600	6P Pin Ass'y (Type D)	
				VR01, 02	1035410	47kΩ (B) Seme-Variable Resistor	1 C		2410670	3P Pin Ass'y (Type F)	
				S01	1102720	Rotary Switch, SELECTOR	2 B				
				S02	1105230	Rotary Switch, AUX	2 A				
				S03	1170780	Lever Switch, DOLBY NR	1, 2 B C				

5-21. F-2686 4-ch Function Switch & REC CAL Tone Sub Circuit Board (Stock No. 7650511 MODEL QRX-9001) (Stock No. 7650561 MODEL QRX-8001)

5-22. F-2652 Dolby Sub Circuit Board (Stock No. 7660071 MODEL QRX-9001 Only)

5-23. Figures Connectors & Pin Ass'y

Connectors

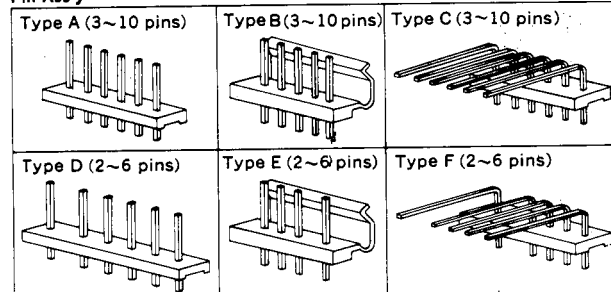


NOTE: Since stock number of female connectors (type B) with wires are not shown in each parts list of Complete circuit board, please refer to the above parts list when ordering the connector.

Abbreviations

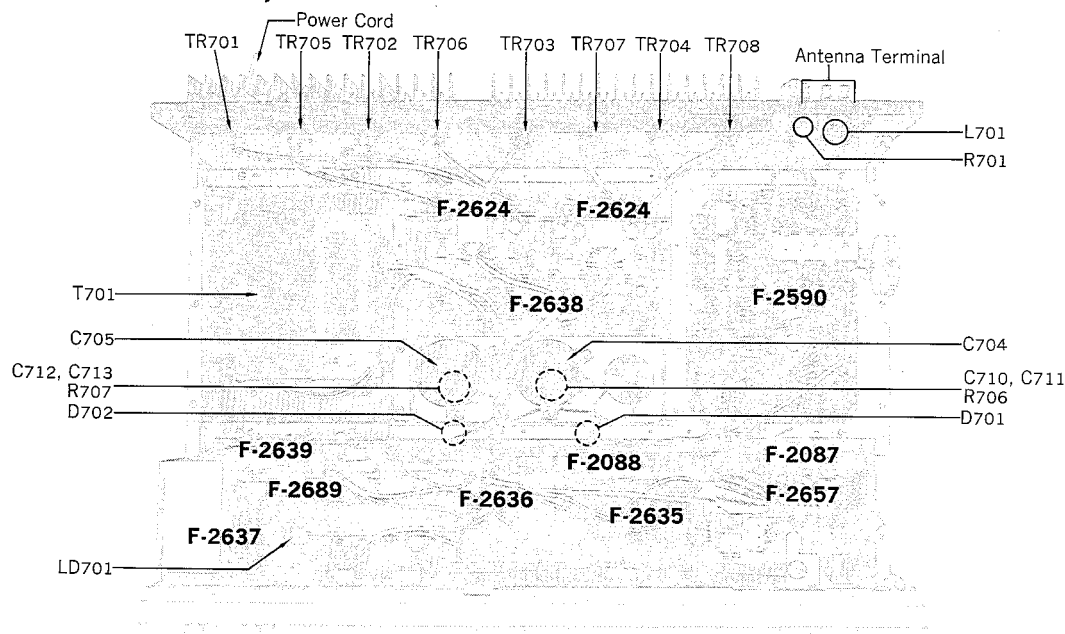
C.R. : Carbon Resistor	E.C. : Electrolytic Capacitor
S.R. : Solid Resistor	BP.E.C. : Bi-Polar Electrolytic Capacitor
Ce.R. : Cement Resistor	C.C. : Ceramic Capacitor
M.R. : Metallized Film Resistor	Mi.C. : Mica Capacitor
F.R. : Fusing Resistor	O.C. : Oil Capacitor
N.I.R. : Non-Inflammable Resistor	P.C. : Polystyrene Capacitor
M.C. : Mylar Capacitor	T.C. : Tantalum Capacitor

Pin Ass'y

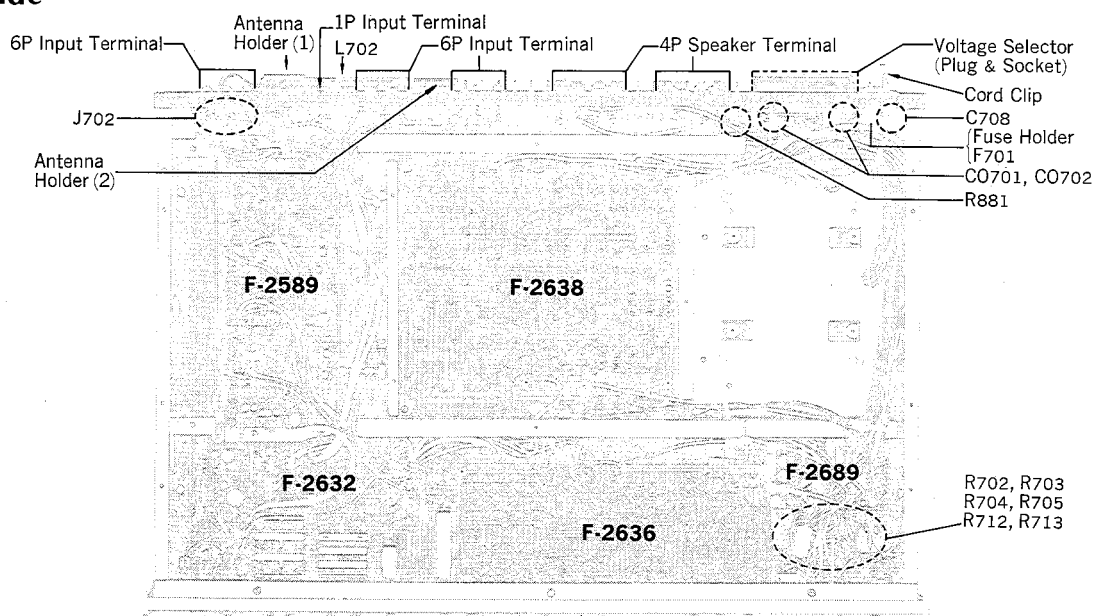


6. OTHER PARTS/6-1. QRX-8001

Top Side



Bottom Side

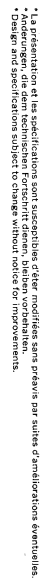


Parts List (Top Side & Bottom Side)

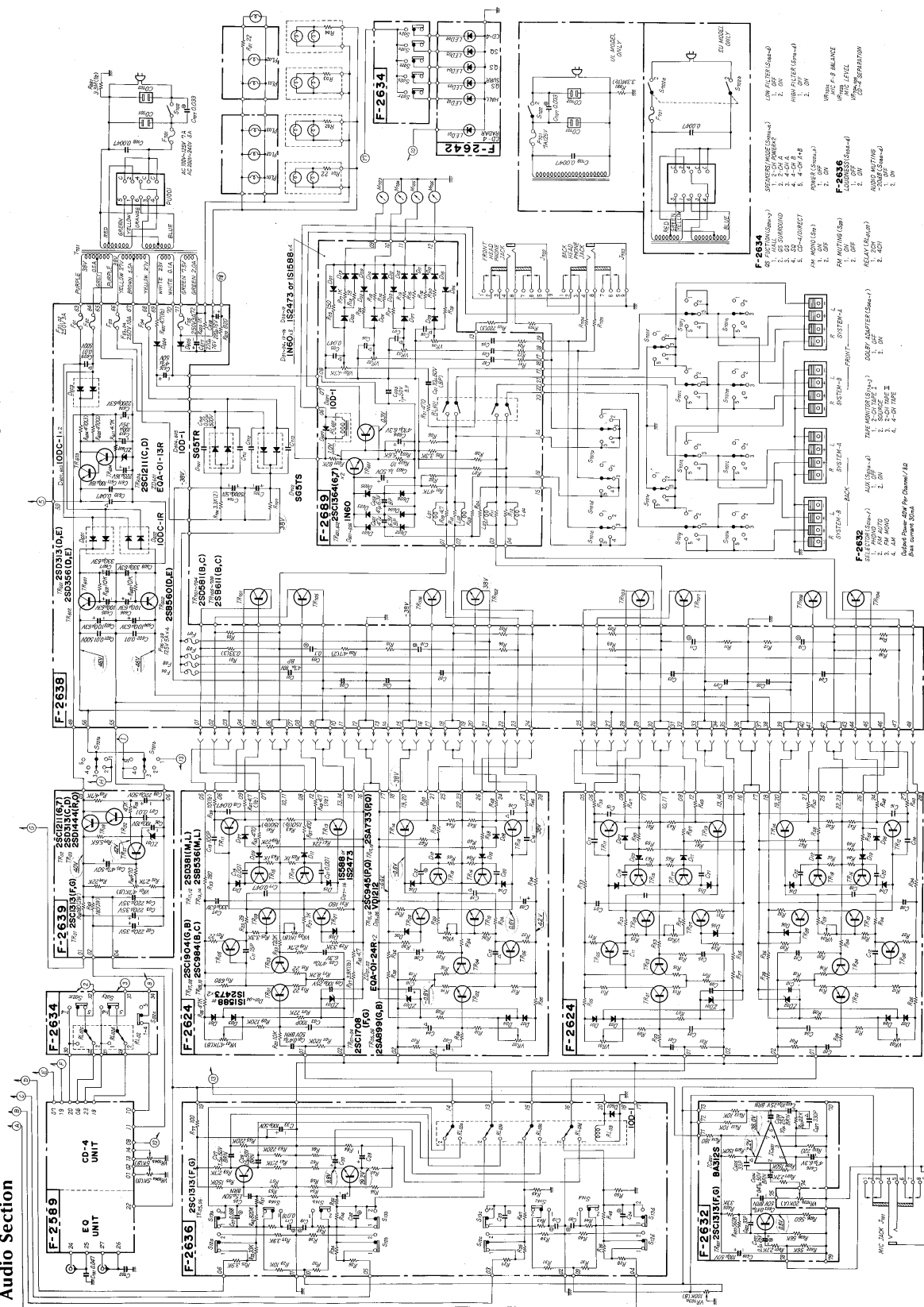
Parts No.	Stock No.	Description
TR701~704	0303430 or 0303431 or 0308600 or 0308601	2SB611 (B) or 2SB611 (C) 2SD581 (B) or 2SD581 (C) } Transistor
D701	0311440	SG-5T (S) } Diode
D702	0311450	SG-5T (R) }
LD701	0319090	Light Emitted Diode
C704	0559350	15000 μ F } 50V E.C.
C705	0559350	15000 μ F }
C707	0605337	0.033 μ F 250V M.C.
C708	0659802	0.0047 μ F 150V C.C.
C710~713	0655103	10000 μ F 500V C.C.
R701	0103122	1.2k Ω $\frac{1}{2}$ W Ce.R.

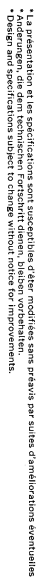
Parts No.	Stock No.	Description
R702~705	0163221	220 Ω 3W Ce.R.
R706	0202332	3.3k Ω 2W M.R.
R707	0202332	3.3k Ω 2W M.R.
R712	0201122	1.2k Ω 1W N.I.R.
R713	0201392	3.9k Ω 1W N.I.R.
R881	0114335	3.3M Ω $\frac{1}{2}$ W S.R.
L701	4290021	75 Ω /300 Ω Antenna Transformer
L702	4200830 or 4200831	ARS-26 235 μ H or 6G-013 265 μ H } Bar Antenna
T701	4002510	Power Transformer
F701	0432500 or 0432280 or 2300060	7A 125V (AC 100-120V) 4A 125V (AC 220-240V) Fuse Holder } AC Fuse
C0701, 702	2450060	AC Outlet

Parts No.	Stock No.	Description
J702	2430041	5P DIN Jack
	2030040	Transistor Socket
	2200290	1P Output Terminal
	2200330	6P Input Terminal
	2210310	Antenna Terminal
	2290160	4P Speaker Terminal
	2200320	4P Input Terminal
	2410091	Voltage Selector, plug
	2410830	Voltage Selector, socket
	2230052	Ground Terminal
	3800010	Power Cord
	3910490	Cord Clip, power cord
	5286480	Antenna Holder (1)
	5286450	Antenna Holder (2)

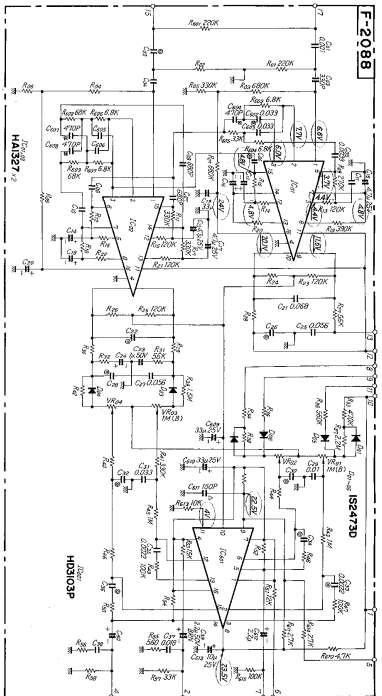
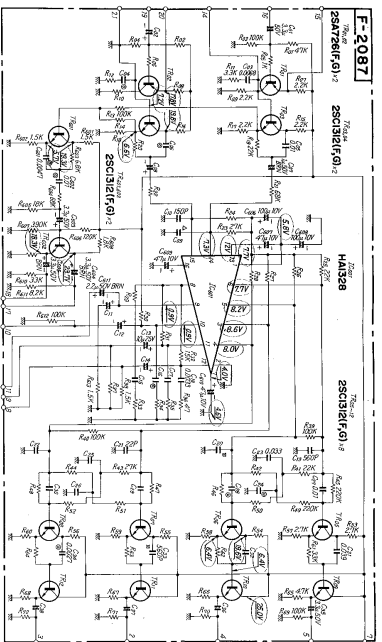


Design and specifications subject to change without notice for improvements.

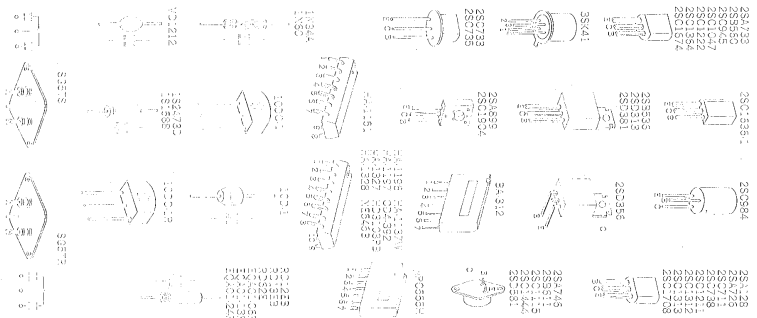
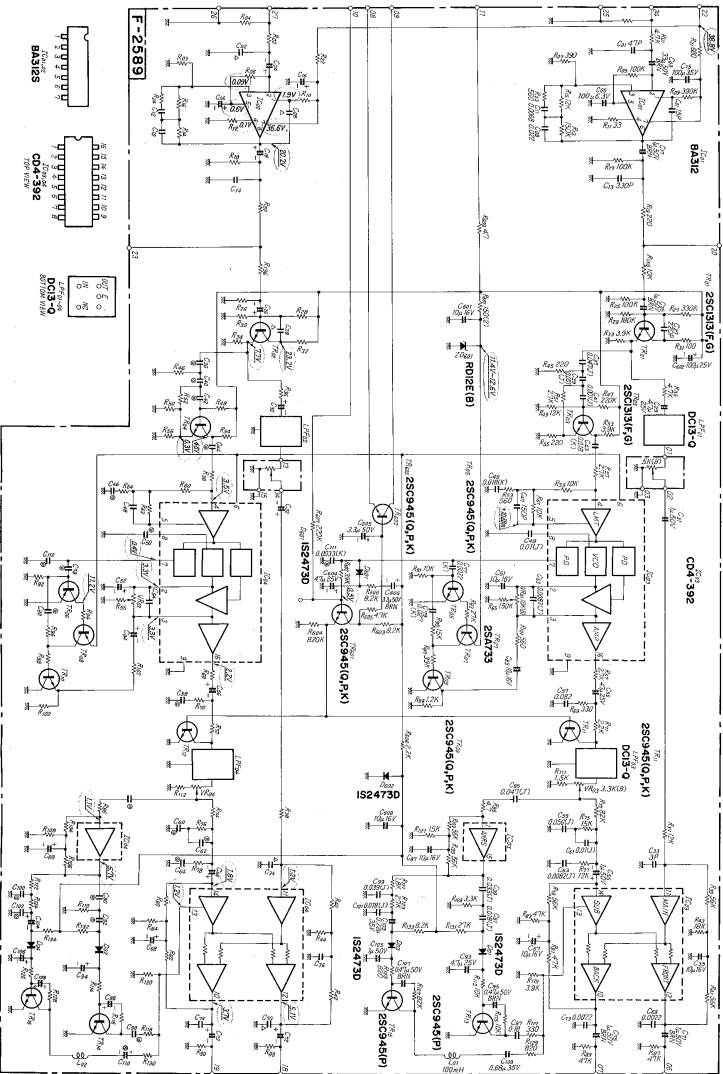




7-5. QRX-8001/9001 4-Channel Section



- La présentation et les spécifications d'été modifiées sans préavis par suite d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.
- Design and specification subject to change without notice for improvements.

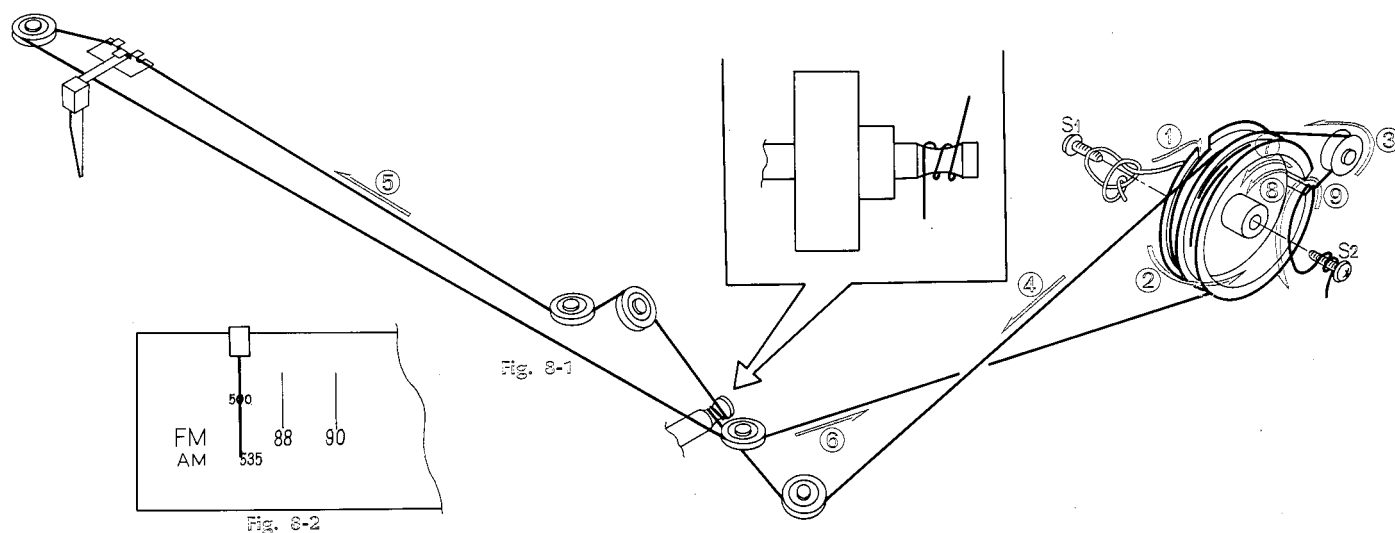


8. THREADING OF DIAL CORD

*If a dial cord is cut off or slips, replace it by following procedures.

As this units use 0.6mm ϕ cord, please replace it with the same type certainly.

*The length of dial cord is approximately 190cm (74 inch).



8-1. Threading of Dial Cord

Thread the dial cord in numerical order from ① to ⑨ as Fig. 8-1.

- 1) Close the variable capacitor completely (Max. capacitance).
- 2) Tie dial cord to the screw, S1 of the dial pulley.
- 3) Thread cord in the direction of arrow from ① to ⑨
- 4) After ⑨, tie the cord to the screw S2 of the dial pulley.

8-2. Attachment of Dial Pointer

1) Close the variable capacitor completely.

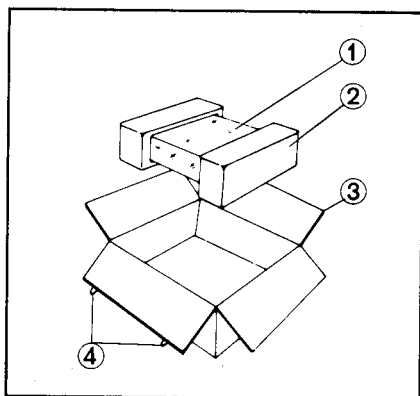
2) Set the dial pointer as Fig. 8-2.

*Confirm that the dial pointer runs smoothly on the dial scale by turning the tuning shaft.

Stock No.	Description
6036050	Dial Cord (0.6mm ϕ)
6146670	44 Type Pulley

9. PACKING LIST

Parts No.	Stock No.	Description
1	9116631	Vinyl Cover
2	9028010	Styrofoam Packing
3	{ 9009290	Carton Case (MODEL QRX-8001)
	{ 9009280	Carton Case (MODEL QRX-9001)
4	5996080	Curl Stopper



10. ACCESSORY PARTS LIST

Stock No.	Description
9202400	Operating Instructions (MODEL QRX-8001)
9202410	Operating Instructions (MODEL QRX-9001)
9237440	Schematic Diagram (MODEL QRX-8001)
9237430	Schematic Diagram (MODEL QRX-9001)
9416010	CD-4 Adjusting Record (MODEL QRX-9001)

Sansui

SANSUI ELECTRIC CO., LTD.

14-1 Izumi 2-Chome, Sugunami-ku, TOKYO 168 JAPAN
TELEPHONE: (03) 323-1111/TELEX. 232-2076