

Service Manual

ORDER NO. **CRT2233**

SYSTEM CONTROL UNIT CU-2056ZRN2 XIBEW

This additional service manual is designed to be used together with Model SCU-2056ZRN/EW Service Manual CRT1908. Refer to it for finding parts numbers and adjustment, etc. which are not shown in this manual.

VEHICLE	DESTINATION	PRODUCED AFTER	PART No.	ID No.	PIONEER MODEL No.
ESPACE	EUROPE	FEBRUARY 1998	6025310671		SCU-2056ZRN2/X1BEW

ELECTRICAL PARTS LIST (Page 10)

Parts List

Tuner Amp Unit

	Part No.		
Symbol and Description	SCU-2056ZRN/EW	SCU-2056ZRN2/X1BEW	
X501 Crystal 4.5MHz	CSS1011	CSS1077	

EXPLODED VIEW AND PARTS LIST (Page 28)

Parts List

_			
		Par	t No.
Mark No	o. Description	SCU-2056ZRN/EW	SCU-2056ZRN2/X1BEW
	9 Tuner Amp Unit	CWM3724	UWM3724
1	0 Equalizer Unit	CWM3733	UWM3733

PACKING METHOD

*:Non spare part

		Part No.
Mark	Description	SCU-2056ZRN2/X1BEW
	Polyethylene Bag	UEG-012
*	Cover	UHD-026
	Contain Box	UHD-031
*	Protector	UHP-018
*	Protector	UHP-019
*	Protector	UHP-020

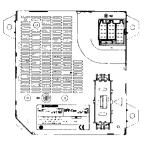
PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan

PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A. PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium

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Service Manual

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ORDER NO. CRT1908

SCU-2056ZRN EW

VEHICLE	DESTINATION	PRODUCED AFTER	RENAULT PART No.	ID No.	PIONEER MODEL No.
MATRA ESPACE	EUROPE	JULY 1996	6025 30 1081		SCU-2056ZRN/EW

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PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A. PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 501 Orchard Road, #10-00, Lane Crawford Place, Singapore 0923

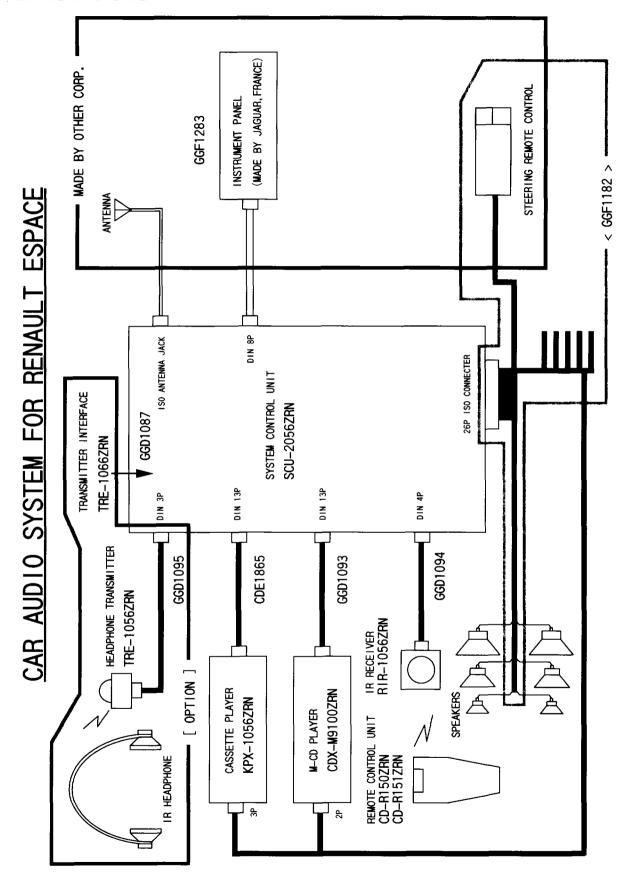
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K-FFS. JULY 1996 Printed in Japan

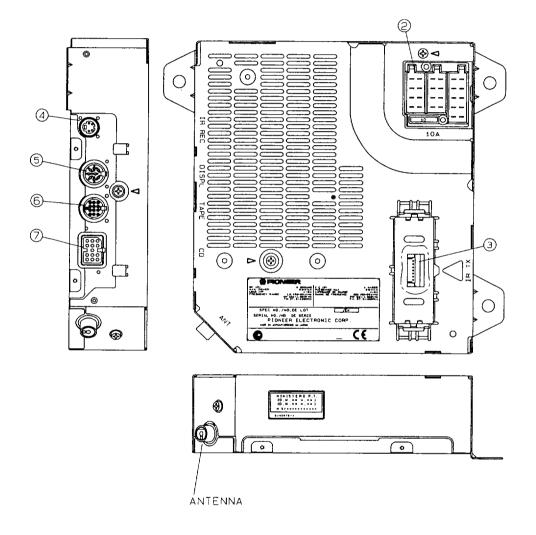
1. SPECIFICATIONS

General
Power source14.4V DC(10.5-16.0V allowable)
Ground systemNegative type
Weight
Amplifier
Maximum power output15W
Continuous power output7W
Load impedance4Ω(4-8Ω allowable)
Tone controls
(Bass)± 10dB(100Hz)
(Middle)± 10dB(1kHz)
(Treble)± 10dB(10kHz)
FM tuner
Frequency range
Usable sensitivity9dBf(1.0 μ V/75 Ω ,mono,S/N:30dB)
40dB quieting sensitivity13dBf(1.7 μ V/75 Ω ,mono)
Signal-to-noise ratioMore than 50dB
DistortionLess than 1.0%(at 65dBf,1kHz)
Stereo separation25dB(at 65dBf,1kHz)
MW tuner
Frequency range531 - 1,602kHz
Usable sensitivity30dB(S/N:20dB)
Selectivity50dB(± 9kHz)
LW tuner
Frequency range153 - 281kHz
Usable sensitivity33dB(S/N:20dB)
Selectivity

2. CAR AUDIO SYSTEM



3. CONNECTOR FUNCTION DESCRIPTION



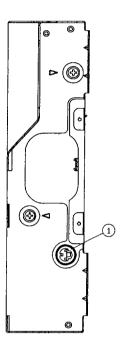


Fig.1

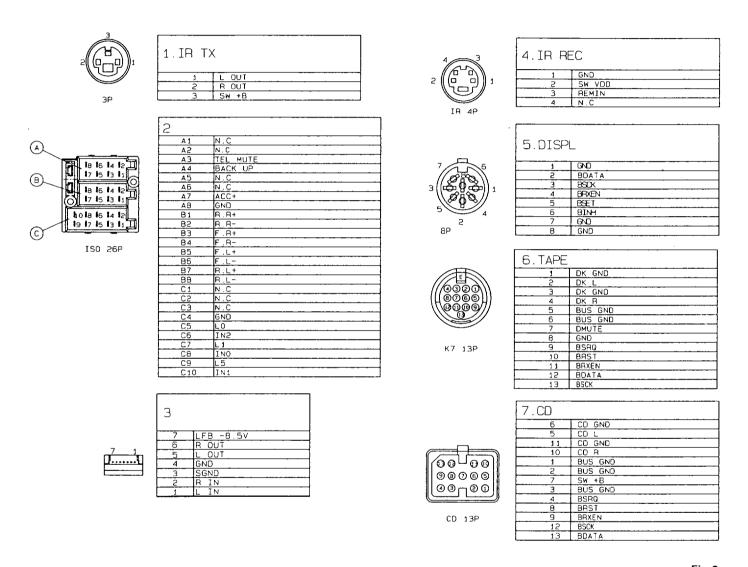


Fig.2

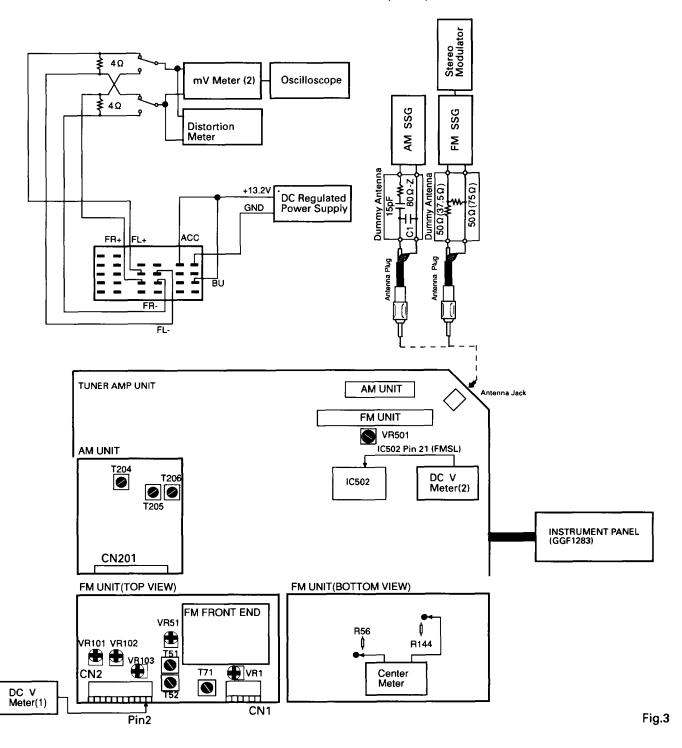
4. ADJUSTMENT

Connection Diagram

NOTE:

Select C1 so that total capacity of 80pF is attained from the direction of the receiver jack.

Z: Output impedance of SSG.



AM ADJUSTMENT

		AM SSG(400Hz,30%)		Displayed	Adjustment	Adjustment Method
	No.	Frequency(kHz)	Level(dBµV)	Frequency(kHz)	Point	(Switch Position)
IF	1	999	15	999	T204,T205	mV Meter(2) : Maximum
					T206	

FM ADJUSTMENT

Modulation M1:MONO MOD., 400Hz 30%(22.5kHz Dev.)

M2:MONO MOD., 400Hz 100%(75kHz Dev.)

S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2:STEREO MOD., 1kHz, L or R=90%(60.75kHz+7.5kHz Dev.)

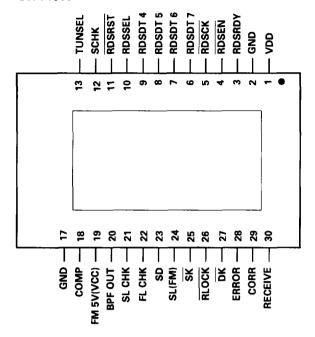
		FM S	SSG	Displayed	Adjustment	Adjustment Method
	No.	Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
IF	1	98.1_M2	65	98.1	T51	Center Meter : 0
	2	98.1 M2	_65	98.1	T52	Distortion Meter : minimum
	3	Repeat No.1-2 a	alternately so tha	t the center mete	er indicates the 0	output and distortion meter
		indicates the mi	inimum output.			
	4	98.1 S2	65	98.1	T71	Distortion Meter : minimum
Max.	1	98.1 M1	65	98.1		mV Meter(2) : A
Mute	2	98.1 M1	-00	98.1	VR102	mV Meter(2) : A-20dB
ARC	1	98.1 S1	38	98.1	VR101	mV Meter(2) : Separation 5dB
Separ-	2	98.1 S1	65	98.1	VR103	mV Meter(2) : Separation
ation						Maximum
SD	1	98.1 M1	22 ± 1	98.1	VR51	DC V Meter(1): Approx. 5V
						(SEEK ON)
LOC.H	1	98.1 M1	34 ± 1	98.1	VR1	DC V Meter(1) : Approx. 5V
ATT.						(LOC.H ON, SEEK ON)

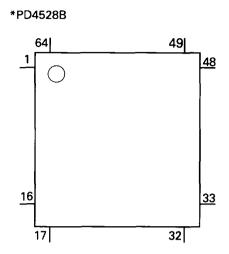
FMSL ADJUSTMENT MONO MOD., 400Hz 100%(75kHz Dev.)

		FM SSG		Displayed	Adjustment	Adjustment Method
	No.	Frequency(MHz)	Level(dBf)	Frequency(MHz)	Point	(Switch Position)
FMSL	1	106.1	45	106.1	VR501	DC V Meter(2) : 2.25V ± 0.05V

5. IC INFORMATION

CWV1065

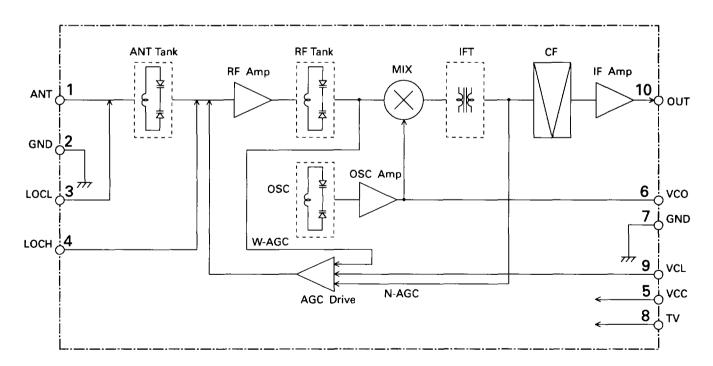




Format	Meaning
С	C MOS

IC's marked by* are MOS type. Be careful in handling them because they are very liable to be damaged by electrostatic induction.

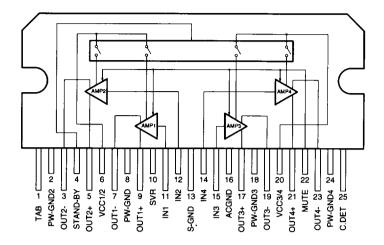
FM Front End(CWB1074)



● Pin Functions (PD4528B)

	Ons (PD4526t		F	Function and Operation
Pin No.	Pin Name	1/0	Format	Function and Operation
1	AVPW	0	С	A Vref watching terminal
2	PEE	0_	С	Beep tone output
3	BRXEN	1/0	С	Communication reception enable input/output
4	BINH	0	С	Communication data input inhibit
5	A/B			Model select
6	AUXMUTE	0	С	AUX mute
7	MUTE	ō	Č	Synthesis mute output
8	BSET	ō	C	BUS communication reset output
9	VSS	 		GND
	NC NC			
10-12				Not used
13	BRST	0	С	Reset output
14	ACCMUTE	0	С	ACC off mute
15	SYSPW	0	С	System power control output
16	PCE	0	C	PLL chip enable output
17	ĀM/FM	0	С	AM/FM select output
18	BSRQ	1		BUS serial pole request input
19	RDSSEL	0	С	Select output for RDS IC
20	RDSRST	ō	C	Reset output for RDS IC
21	RDSEN	0	C	Enable output for RDS IC
			<u> </u>	
22,23	KDT0,1	1		Key data 0,1
24	<u>vss</u>			GND
25	KDT2	t		Key data 2
26	NC			Not used
27-29	KST0-2	0	С	Key strobe 0-2
30	NC			Not used
31	VDT	0	С	Data output for electronic volume
32	VST	ō	C	Strobe pulse output for electronic volume
			C	
33	VCK	0		Clock output for electronic volume
34	TMUTE	0_	С	Tuner mute output
35	RESET	<u> </u>		Reset
36	REMIN	1		Remote control pulse input
37	BSENS	1		Back up power sense input
38	ASENS	1		ACC power sense input
39	8VSENS	i		8V sense input
40	VDD			Power supply
41	X2	 -		Crystal oscillator connection pin
		 	 	
42	X1		ļ	Crystal oscillator connection pin
43	IC		<u> </u>	Connect to GND
44	NC	 		Not used
45	XT1			Connect to GND
46	AVSS			A/D GND
47	SDLEV			Tuner SD level detector input
48	NC	<u> </u>		Not used
49	NC			Not used
	PDI	 	 	Data input from PLL IC
50		 	 	
51	RDSRDY	 !		Ready input from RDS IC
52	SD			SD input
53	TESTIN			Test program mode input
54	TELMUT			Telephone mute signal input
55	AVDD			Positive power supply terminal for analog circuit
56	AVREF	I		Reference voltage
57	RDSDTI	l i -		Serial data input for RDS IC
58	RDSDTO	Ö	 	Serial data input for RDS IC
59	RDSCK	1/0	С	Serial clock input/output for RDS IC
60	PDO	0	С	Data output for PLL IC
61	PCK	0	С	Serial clock output for PLL IC
62	BSI			Communication serial data input
63	BSO	0		Communication data output
64	BSCK	I/O	С	Communication serial clock input/output

TDA7385



6. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/OSOOOJ,RS1/OOSOOOJ

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

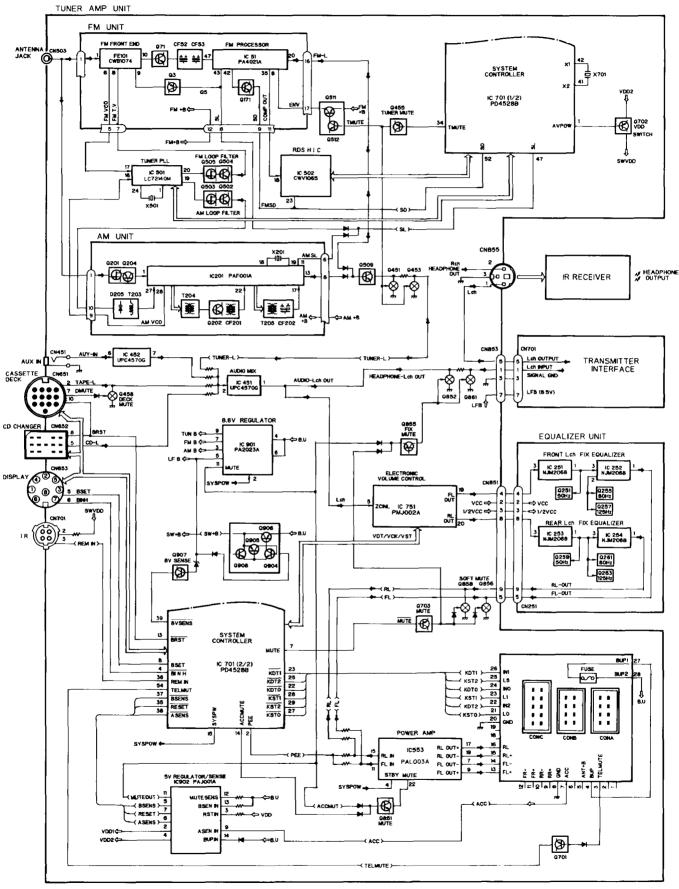
====Circuit Sym	bol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name====	Part No.	
Unit Number : C	WA1089		RESISTORS		
Unit Name : A	.M Unit				
			R 201	RS1/10S220J	
MISCELLANEOUS	3		R 202 232	RS1/10S102J	
			R 203	RS1/10S1023	
IC 201		PAF001A	R 204	RS1/10S473J	
Q 201		2SK435	R 205 209	RS1/10S470J	
Q 202		2SC4116	11 203 203	NS 1/1034/03	
Q 203 231		DTC124EU	R 207	RS1/10S822J	
Q 204		2SC2412K	R 211 237	RS1/16S103J	
4 204		2002412K	R 212		
D 201		MA157	R 214	RS1/10S103J	
D 204		MA157	R 231	RS1/16S222J	
D 205		SVC203CP	n 231	RS1/10S823J	
L 201	In ducate a		B 000		
L 201 L 202	Inductor	CTF1287	R 233	RS1/16S222J	
L 202	Coil	CTB1082	R 235	RS1/10S104J	
			R 236 238 241 242	R\$1/10\$103J	
L 203	Inductor	LAU390K	R 239	RS1/10S152J	
L 204	Ferri-Inductor	LAU680K	R 240	RS1/10S333J	
L 205	Ferri-Inductor	LAU4R7K			
L 206	Inductor	CTF1198	R 243	RS1/16S152J	
T 203	Coil	CTB1040	R 244	RS1/16S242J	
			R 249	RS1/10S225J	
T 204	Coil	CTE1120			
T 205	Coil	CTE1038	CAPACITORS		
T 206	Coil	CTE 1072			
CF 201		CTF1262	C 201	CKSQYB103K25	
CF 202	Filter	CTF1085	C 202	CKSRYB332K50	
			C 203	CSZA3R3M16	
X 201	Crystal Resonator 10.26MHz	CSS1111	C 204 208	CKSRYB223K25	
	•		C 205	CCSRCH120J50	

====Circuit Symbol & No. Part Name=====	Part No.	=====Circuit Symbol & No. Part Name=====	Part No.
C 206 C 207 C 211 235 C 212 C 213	CCSQCH560J50 CCSQCH680J50 CEAR47M50LL CKSQYB332K50 CCSQCH330J50	R 106 154 172 R 108 R 111 R 121 R 122	RS1/10S104J RS1/10S333J RS1/10S183J RS1/10S473J RS1/10S104J
C 215 233 C 216 232 241 C 220 C 221 C 224 229	CKSQYB473K16 CKSRYB103K50 CCSQCH430J50 CCSQCH120J50 CEA470M16LL	R 123 R 127 R 143 R 144 R 146 174	RS1/10S154J RS1/10S333J RS1/10S393J RS1/10S333J RS1/10S153J
C 225 226 C 231 C 234 244 C 236 C 237	CKSQYB333K25 CCSQCH100D50 CKSQYB103K25 CEA0R1M50LL CEA4R7M35LL	R 151 152 R 153 R 180 CAPACITORS	RS1/10S392J RS1/10S222J RS1/10S105J
C 238 C 239 C 242 Unit Number : CWE1437	CEA3R3M50LL CKSQYB223K25 CCSQCH030C50	C 1 111 C 2 59 74 129 C 5 C 10 54 C 21 72 73 80 104 172	CEA100M16LL CKSQYB473K16 CKSQYB472K50 CCSQCH101K50 CKSQYB103K25
Unit Name : FM Unit		C 51	CKSQYB473K16
MISCELLANEOUS		C 52 53 61 C 57	CKSRYB223K25 CSZSR33M35
IC 51 Q 1 Q 2	PA4021A DTC124EU DTC124EU	C 58 C 60	CCSQCH040C50 CEA100M10NPLL
Q 3 Q 5 51	2SA1586 DTC124EU	C 101 C 102 C 103	CKSRYB682K50 CKSQYB682K50 CKSQYB272K50
Q 71 171 Q 123 L 1 51 Ferri-Inductor	2SC4116 2SC4116 LAU150K	C 105 C 106	CEA1R5M50LL CEA0R1M50LL
L 2 Inductor L 71	LCTBR33K2125 LAU3R9K	C 107 C 108 C 110	CKSRYB222K50 CKSQYB222K50 CKSYB224K16
L 101 Inductor T 51 Coil T 52 Coil	LCTA102K4532 CTE1111 CTE1022	C 112 C 122	CKSYB183K25 CKSQYB104K16
T 71 Coil TH 51 Thermistor TH 102 Thermistor CF 52 53 Filter	CTE1043 CCX1024 CCX1015 CTF1057	C 124 C 128 C 151 152 C 153 C 154 155 156	CSZS1R5M10 CKSQYB332K50 CKSQYB153K25 CKSYB474K16 CEA3R3M50LL
X 151 Ceramic Resonator 456kHz VR 1 Semi-fixed 22kΩ(B) VR 51 Semi-fixed 10kΩ(B)	CSS1055 CCP1183 CCP1181	C 157 C 171 C 173	CEA101M10LL CKSQYB563K25 CKSQYB104K16
VR 101 Semi-fixed $68k\Omega(B)$ VR 102 Semi-fixed $33k\Omega(B)$ VR 103 Semi-fixed $1k\Omega(B)$ FM Front End	CCP1186 CCP1184 CCP1175 CWB1074	C 180 Unit Number: CWM3726 Unit Name: Tuner Amp Unit	CEA2R2M50LL
RESISTORS		MISCELLANEOUS	
R 3 R 4 75 R 5 R 6 10 12 R 7	RS1/10S123J RS1/10S102J RS1/10S223J RS1/10S0R0J RD1/4PU560J	IC 451 452 IC 501 IC 502 IC 553 IC 701	UPC4570G LC72140M CWV1065 TDA7385 PD4528B
R 23 61 R 24 72 105 R 25 R 54 R 56 173	RS1/10S682J RS1/10S123J RS1/10S243J RS1/10S822J RS1/10S473J	IC 751 IC 901 IC 902 Q 451 452 453 454 Q 455 456 701 702 703	PMJ002A PA2023A PAJ001A DTC143TK DTA114EK
R 57 R 58 R 59 R 60 R 73	RS1/10S472J RS1/16S203J RS1/16S331J RS1/10S273J RS1/10S103J	Q 458 459 856 857 858 859 Q 502 504 507 Q 503 Q 505 Q 506 851 907	DTC343TK 2SC2712 2SK208 2SK208 DTC124EK
R 74 R 76 R 101 R 102 R 104	RS1/10S331J RS1/10S121J RS1/16S681J RS1/16S223J RS1/10S103J	Q 508 509 510 Q 511 855 Q 512 Q 852 853 Q 861 862	2SC2712 DTA114EK DTC124EK DTC343TK DTC343TK

	cuit :	Symb	ol & 1	No. P	art 1	Vame				Part No.			ircuit			No. P	art N	lame 	====:	=		Part No.
904 9	908									2SC2712	R	710										RS1/10S391J
905	500									DTC114TK		720										RS1/10S105J
906										2SA1358			723									RS1/8S181J
458 8	852	853								MA151WA		730	0									RS1/10S473J
501 5		033								MA3027			752									RS1/10S101J
503 5	504	505	906							MA151WK	R	753	754									RS1/10S273J
506 9		000								MA3047			756									RS1/10S681J
560 5		563	901							ERA15-02VH	R		764									RS1/10S332J
562		500	001							ERC05-10BE3	R		767	768								RS1/10S472J
562 651 6	652	653	654	655	656	657	701			MA153		769	, 0,	, 00								RS1/10S153J
702 9	907									MA151A	R	770										RS1/10S123J
851	30,									MA151WA	R	773										RS1/10S471J
854										MA151WK	R	796										RS1/10S0R0J
904										MA3043	R		858									RS1/10S104J
905										MA151A	R		860									RS1/10S332J
501				Inc	ducto	r				LCTA101K4532	R	866										RS1/10S331J
502 5	503				ducto					LPSQ2R2K	R		868									RS1/10S393J
552						Coil0.3	3mH			CTH1075	R		873	874								RS1/10S223J
601					ducto					LPSQ2R2K	R	878										RS1/10S222J
701					ducto					LPSQ2R2K			880									RS1/10S562J
703				Inc	ducto	r				LPSQ2R2K	R	881	882									RS1/10S0R0J
501						4.5MI	Hz			CSS1011	R	883										RS1/10S392J
701								4.190	MHz	CSS1361	R		885									RS1/10S272J
R 501				-			.2kΩ(CCP1150	R	886										RS1/10S220J
					/ Uni		• •	٠		CWA 1089	R		905									RS1/10S154J
				FΝ	/ Unit	t				CWE1437	R	902										RS1/10S623J
				Fu	se 10.	Α				CEK1136	R	903	907									RS1/10S124J
R 501										DSP-201M	R	904										R\$1/10S513J
											R	906										RS1/10S563J
SISTO	RS											913										RS1/10S102J
451 4	452	514	539	919						RS1/10S102J	R	914										RS1/10S153J
453 4					704	705	918			RS1/10S473J	R	915										RS1/10S152J
455 4			_							RS1/10S152J		916										RS1/10S223J
457 4										RS1/10S682J	R	917										RS1/10S472J
461 4	462	463	464	467	46 8	479	480	702	871	RS1/10S223J	R	920										RS1/10S272J
465 4	466									RS1/10S122J	R	921										RS1/10S122J
469 4	470									RS1/10S273J												
477 4	478	709								RS1/10S273J	CA	PACI	TORS	;								
485 €	622									RS1/10S223J												
506 5	509	521	522	546						RS1/10S472J	С	451	452	856								CEAS2R2M50
											С	453	454	506	775	776						CCSQCH101J50
507 5	511	516	517	518	519	537	540	909		RS1/10S102J	С	461	462	523	753	754	759	760	777	778	779	CEAS100M50
508										RS1/10S152J	С	504	515	519								CCSQCH101J50
510										RS1/10S103J	С	507				4.7 μ l	/16V					CCH1005
512										RS1/10S222J	-					•						
	531	532	604	605	606	607	875	876	877	RS1/10S222J	Ç	508	511	517	525	527						CKSQYB103K5
•							-	-		•			914									CKSQYB473K5
523										RS1/10S0R0J		510										CFTNA474J50
530 6	601	602	603	608	620	621	623	624		RS1/10S473J		512										CEASR47M50
533										RS1/10S393J			514									CCSQCH120J5
534										RS 1/10S 153J	J	_ , 5	7									
538 5	549									RS1/10S151J	C	516	794									CEAS4R7M50
JJ0 3	J-4-3									.,5 ,, 100 15 15	_		520									CKSQYB223K5
	5 <i>44</i>									RS1/10S182J		522										CKSQYB102K5
E/12 1										RS1/10S182J			871	272	272	874	gnz					CEASR22M50
543 5	300									RS1/10S083J			532	012	0/3	0/4	307					CKSQYB103K5
545			QEF								C	ا ډر	552									CV2(1 D 103V2)
545 9 548	701	064	000							RS1/10S103J	^	5E 1	062	064	965	066	OUE					CEACOTOMES
545 9 548 555 7	7 0 1	864								RS1/8S103J			863	o 04	900	000	305					CEAS100M50
545 9 548	701	864				CF 4	000	650	65.4	DC1/10C474		555										CEAS100M50 CEASR22M50
545 9 548 555 7 565			EEO	57A	E71	DO I	002	003	004	RS1/10S471J		556										CKCYF473Z50
545 5 548 555 7 565			569	570	571					RS1/2S102J RS1/10S563J		566										1.01.1 F#1.37 DU
545 5 548 555 7 565 566 5 572			569	570	571					B 3 1/ 10 3 5 6 3 1	C	20/	568									
545 5 548 555 5 565 566 5 572 612	567	568		570	571																	CEAS332M16
545 5 548 555 7 565 5 566 5 572 612 617 6	567 656	568 657	721							RS1/10S471J	_	F.0.0										CEAS332M16
545 5 548 555 7 565 566 5 572 612	567 656	568 657	721										576									CEAS332M16 CKCYF473Z50
545 5 548 555 7 565 565 562 612 617 6625 7	567 656	568 657	721							RS1/10S471J RS1/10S473J	С	570	571		573	574	575					CKCYF473Z50 CKSQYB102K50
545 5 548 555 7 565 565 566 572 612 617 6625 7	567 656 703	568 657 716	721 717							RS1/10S471J RS1/10S473J RS1/10S471J	C C	570 651	571 652	653		574	575					CEAS332M16 CKCYF473Z50 CKSQYB102K50 CKSQYF104Z25
545 5 548 555 7 565 565 565 655 658 6	567 656 703 661	568 657 716	721 717							RS1/10S471J RS1/10S473J RS1/10S471J RS1/10S103J	с с с	570 651 701	571	653		574	575					CEAS332M16 CKCYF473Z50 CKSQYB102K50 CKSQYF104Z25 CKSQYB473K50
545 5 548 5 555 7 565 5 566 5 572 612 617 6 625 7	567 656 703 661	568 657 716	721 717							RS1/10S471J RS1/10S473J RS1/10S471J	с с с	570 651	571 652	653		574	575					CEAS332M16 CKCYF473Z50 CKSQYB102K50 CKSQYF104Z25 CKSQYB473K50
545 5 548 555 7 565 565 566 572 612 617 6625 7 655 658 6	567 656 703 661 660 665	568 657 716 662 666	721 717 663 667	718 66 8	719	772				RS1/10S471J RS1/10S473J RS1/10S471J RS1/10S103J	с с с	570 651 701	571 652	653		574	575					CEAS332M16

====Circuit Symbol & No. Part Name=====	Part No.
C 751 752	CKSQYB152K50
C 755 756	CKSQYB272K50
C 757 758	CEAS2R2M50
C 761 762	CKSQYB183K25
C 763 764	CCSQCH221J50
C 765 766	CKSQYF224Z25
C 767 768	CKSQYB332K50
C 771 772 790 791 792 793	CEA2R2M50NPLL
C 773 774	CKSQYB333K25
C 780 781	CKSQYF104Z25
C 782	CKSQYB103K50
C 795	CEAS100M16
C 855 876 877	CEAS100M50
C 861	CEAS3R3M50
C 878 879	CKSQYB104K16
C 901	CEAS331M10
C 902	CASA680K10
C 903	CEAS101M16
C 904 909 911	CEAS470M10
C 906	CEAS222M16
C 912	CASA2R2M16
C 913	CASA220M10
C 917	CEAS330M10
C 918	CEAS470M10
Unit Number : CWM3733 Unit Name : Equalizer Unit	
MISCELLANEOUS	
IC 251 252 253 254	NJM2068MD1
Q 251 252 255 256 259 260 261 262	2SC2412KLN
Q 257 258 263 264	2SC2412KLN
RESISTORS	
R 251 252 289 290	RS1/10S473J
R 253 254 288 291 292	RS1/10S472J
R 255 256	RS1/10S123J
R 257 258 295 296 303 304 319	RS1/10S683J
R 259 260 297 298 305 306	RS1/10S122J
R 261 262 299 300 307 308	RS1/10S332J
R 263 264	RS1/10S222J
R 265 266 321 322	RS1/10S472J
R 267 268	RS1/10S182J
R 271 272	RS1/10S103J
R 273 274 281 282 311 312 320	RS1/10S683J
R 275 276 283 284 313 314	RS1/10S122J
R 277 278 279 280 285 286 315 316	RS1/10S332J
R 287 317 318	RS1/10S472J
R 293 294	RS1/10S821J
R 301 302	RS1/10S101J
R 309 310	RS1/10S152J
R 323 324	RS1/10S152J
CAPACITORS	
C 251 252	CQEA274J63
C 253 254	CKSQYB183K25
C 255 256	CKSQYB821K50
C 257 258	CKSQYB821K50
C 259 260 261 262 273 274	CQEA154J63
C 263 264	CKSQYB272K50
C 265 266	CKSQYB392K50
C 267 282	CKSQYB821K50
C 268 281	CKSQYB821K50
C 269 270	CQEA474J63
C 271 272 275 276	CKSQYB333K50
C 277 278	CKSQYB822K50
C 279 280	CKSQYB103K50

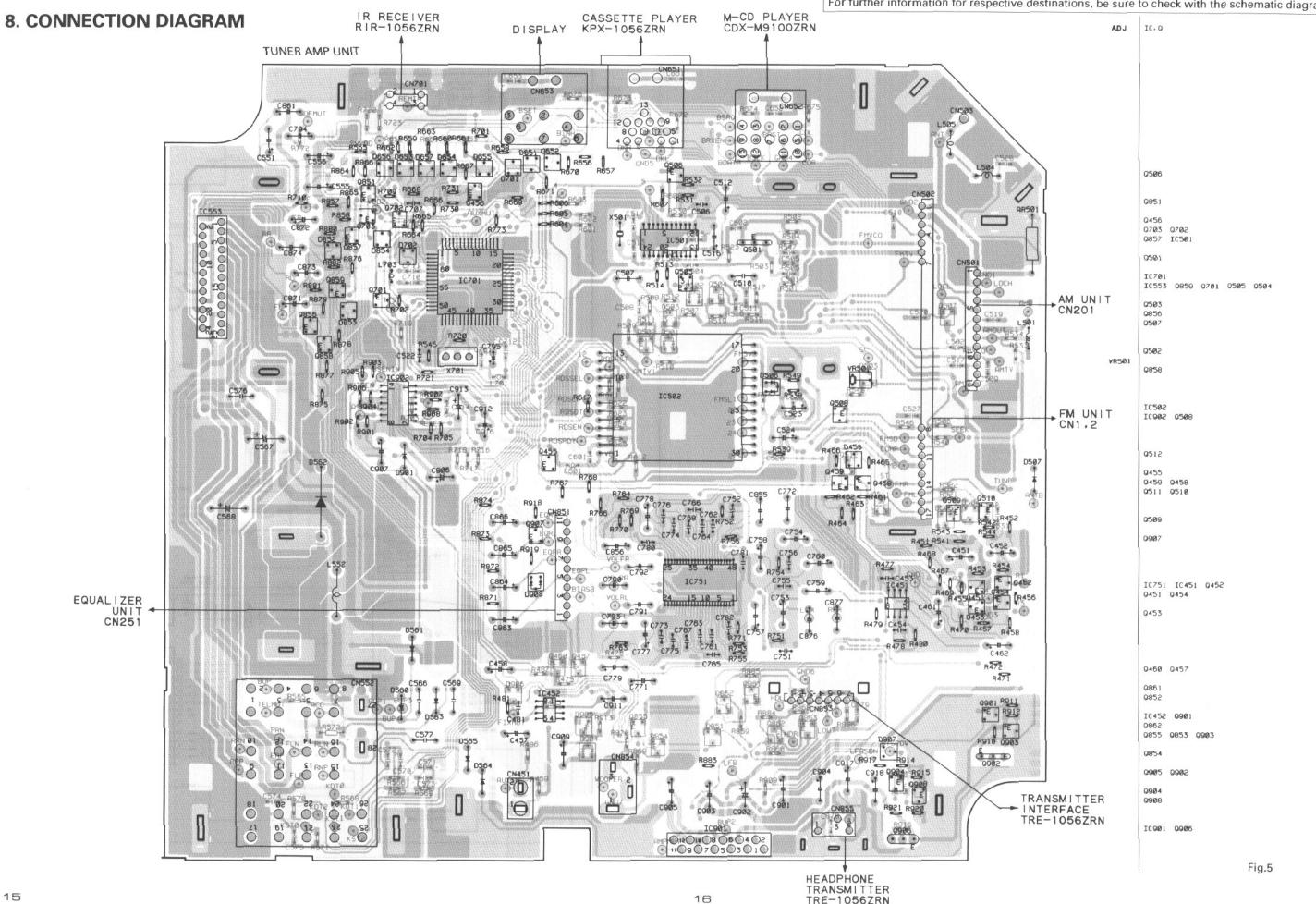
7. BLOCK DIAGRAM



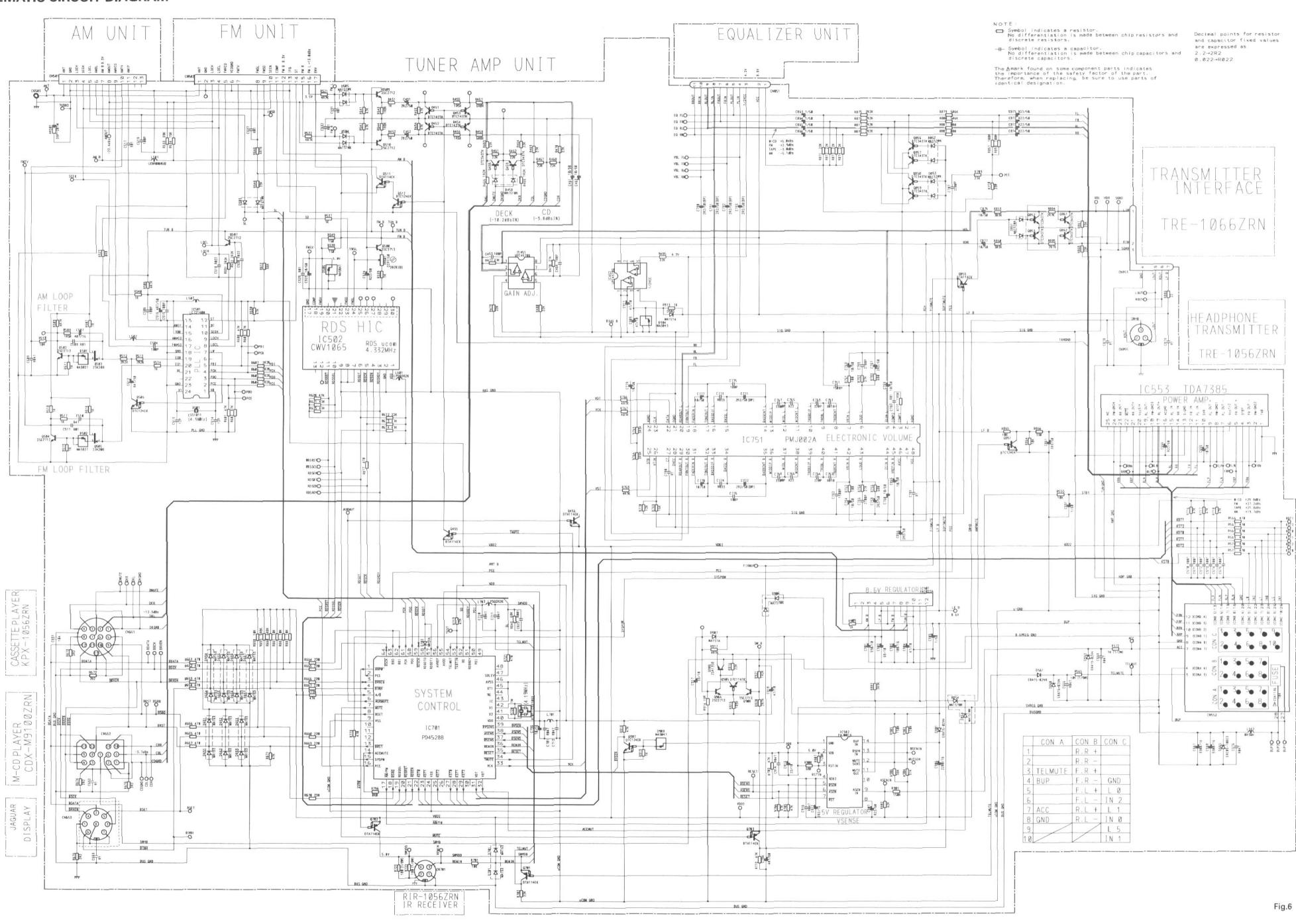
NOTE:

TRE-1056ZRN

The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

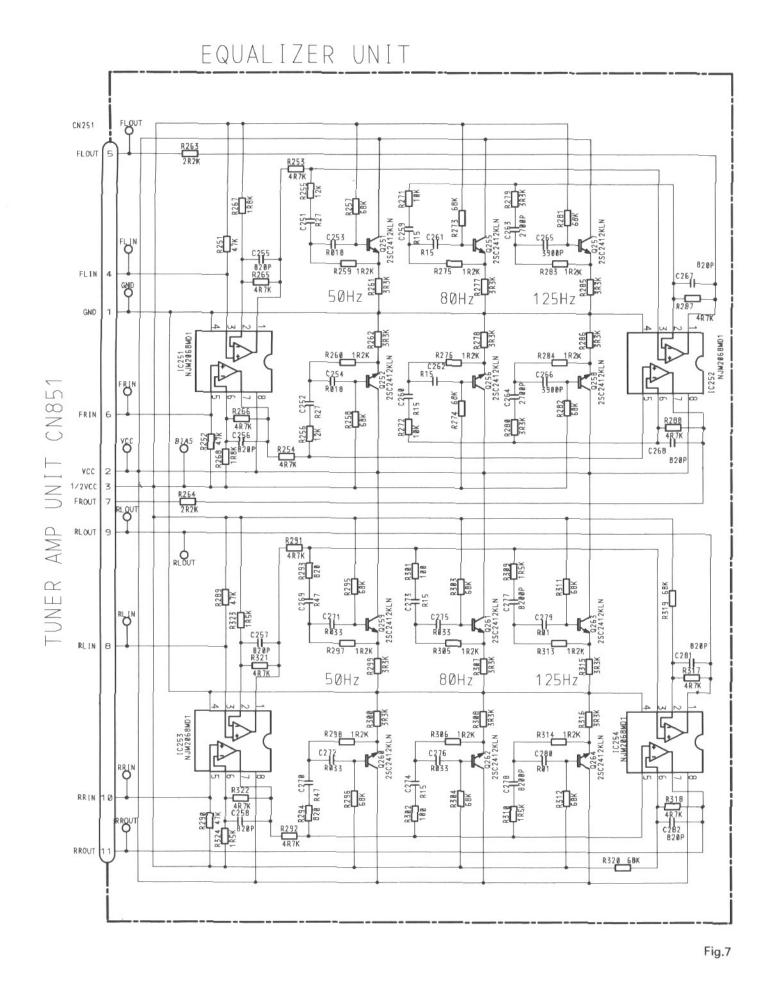


9. SCHEMATIC CIRCUIT DIAGRAM



10. CIRCUIT DIAGRAM AND PATTERN 10.1 EQUALIZER UNIT

Circuit Diagram



NOTE:

The parts mounted on this PCB include all necessary parts for several destinations.

For further information for respective destinations, be sure to check with the schematic diagram.

Connection Diagram

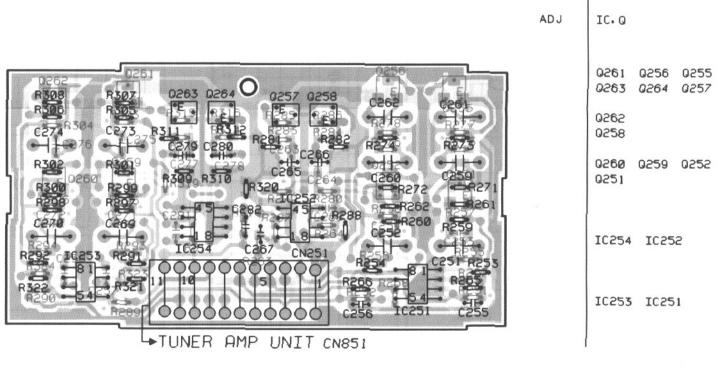
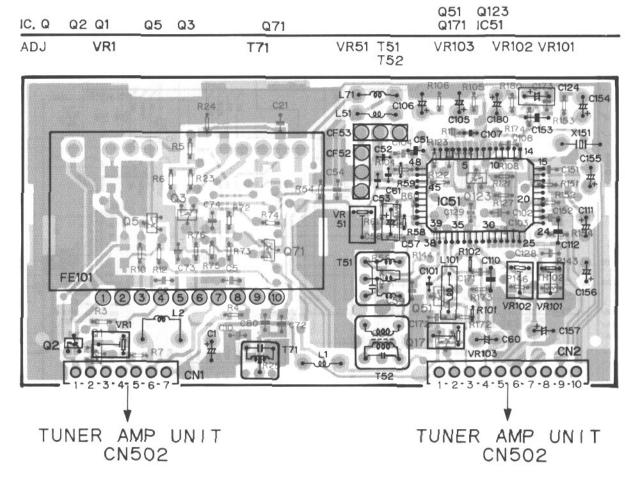


Fig.8

10.2 FM UNIT

Connection Diagram

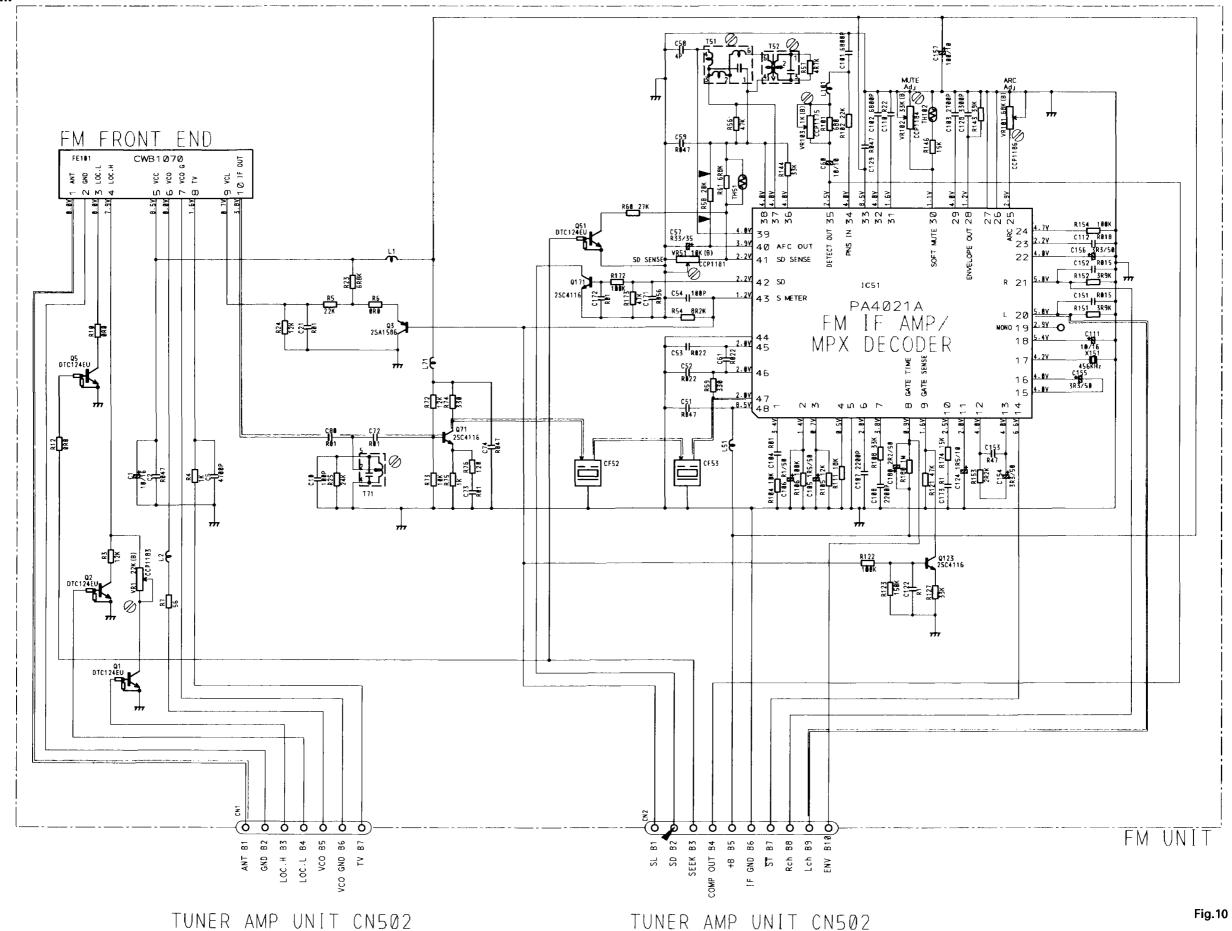


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Fig.9

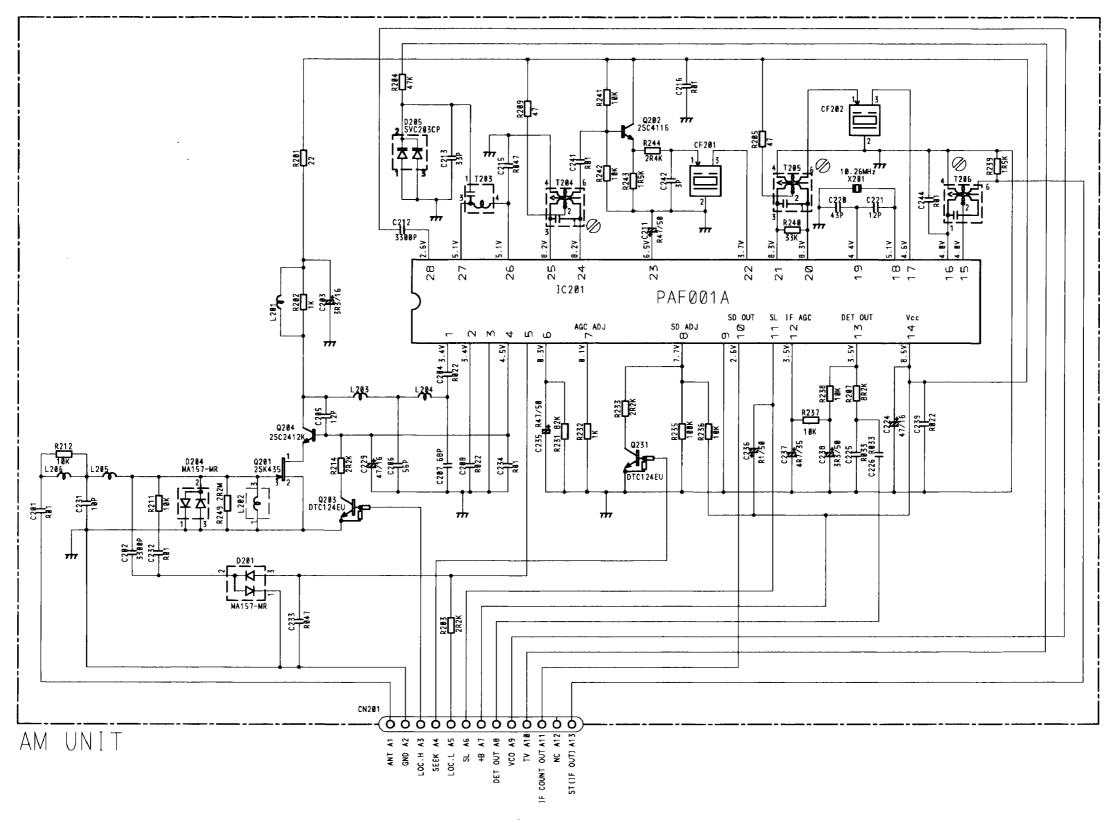
20 21

Circuit Diagram



10.3 AM UNIT

Circuit Diagram

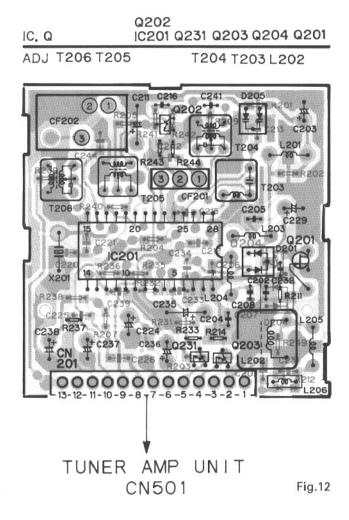


TUNER AMP UNIT CN501

Fig.11

25

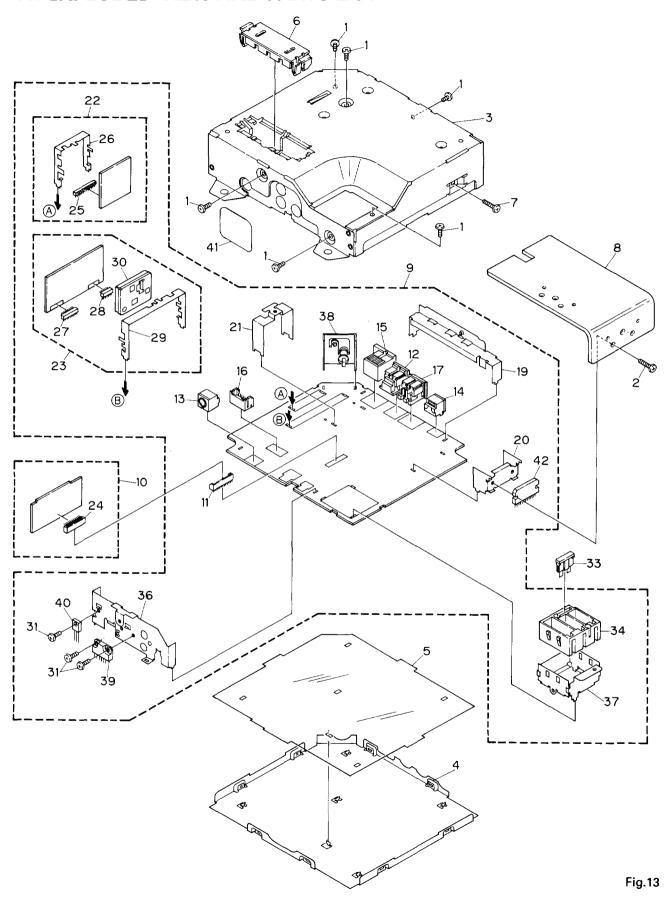
Connection Diagram



NOTE:

The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

11. EXPLODED VIEW AND PARTS LIST



Parts List

Mark No	Description	Part No.	Mark Na	Description	Part No.
	Screw	BMZ30P060FMC		Holder	CNC4667
-	Screw	BMZ30P140FMC	-	Plug(CN2)	CKS1607
_	Chassis	CNA1570		Plug(CN1)	CKS1616
_	Case	CNB1780		Holder	CNC4666
	Insulator	CNM3864		FM Front End	
3	ilisulatoi	CIVIVI3804	30	FIVI FIGHT ENG	CWB1074
6	Cover	CNS4018	31	Screw	BMZ30P060FMC
7	Screw	BMZ30P140FMC	32	••••	
8	Heat Sink	CNC5434	33	Fuse(10A)	CEK1136
9	Tuner Amp Unit	CWM3724	34	Connector(CN552)	CKM1088
10	Equalizer Unit	CWM3733	35	*****	
	Plug(CN851)	CKS-650	36	Holder	CNC5106
	Connector(CN651)	CKS3180	37	Holder	CNC5435
13	Connector(CN855)	CKS3181	38	Holder Unit	CXA6151
14	Connector(CN701)	CKS3182	39	IC(IC901)	PA2023A
15	DIN Socket(CN652)	CKS3185	40	Transistor(Q906)	2SA1358
10	Comments (CNIOCO)	01/00400	4.4	0	011111111
	Connector(CN853)	CKS3186		Cover	CNM4166
	DIN Socket(CN653)	CKS3189	42	IC(IC553)	TDA7385
	•••••	0110-11-			
	Holder	CNC5105			
20	Holder	CNC5107			
21	Holder	CNC5433			
	AM Unit	CWA1089			
	FM Unit	CWE1437			
-	Connector(CN251)	CKS-669			
	Plug(CN201)	CKS1621			
25	i lug(CINZUI)	CNG 102 I			

12. PACKING METHOD

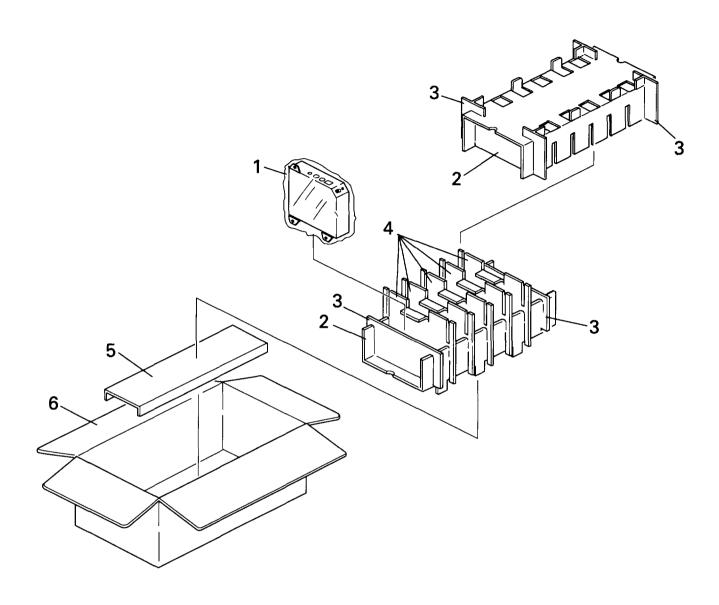


Fig.14

Parts List

			*:Non Spare Part
Mark	No.	Description	Part No.
	1	Polyethylene Bag	CEG-162
	2	Protector	CHP1723
	3	Protector	CHP1844
	4	Protector	CHP1845
*	5	Protector	CHP1857
	6	Contain Box	CHL3074