

JVC C-2155EM SCHEMATIC DIAGRAM

NOTICE

- Voltage values and waveforms are measured by respectively receiving and displaying on the screen the colour bar signals of the PAL, SECAM, and NTSC (3.58 MHz/4.43 MHz).

[Voltage value display method]

The voltage values indicated within the circuits denote those obtained when PAL colour bar signals are received and displayed on the screen. However, as for those points where the voltage values are caused to vary by input signals (SECAM/NTSC), discrimination is effected by indicating as per an example [Example: (3.5 V)].

The voltage values that are varied by receiving and displaying the SECAM/NTSC signals on the screen are shown in the list on page ① (Different voltage List). Multimeter used

DC20k Ω /V

Given figures are all DC voltages.

Sweep speed of oscilloscope

H \rightarrow 20 μ S/div.

V \rightarrow 5mS/div.

* Others \rightarrow sweep speed specified

The figures of the signal circuits may be more or less different after adjustments, so use the figures simply for reference.

- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

SCHEMATIC NOTES

UNLESS OTHERWISE SPECIFIED

Resistance : [Ω] (K \rightarrow K Ω , M \rightarrow M Ω), 1/6 [W]
carbon resistor

Capacitance : 1 or higher \rightarrow [pF], less than 1 \rightarrow [μ F],
working voltage \rightarrow 50 [V],
ceramic capacitor

Inductance : [μ H]

ELECTROLYTIC CAP. : capacitance value [μ F] /
working voltage [V],
NP \rightarrow non-polar (or bipolar)
electrolytic cap.

Refer to the parts list in the SERVICE MANUAL about the detailed indications of parts.

⊙ symbols indicate test point connections.

⊥ indicates primary-side ground

⌋ indicates secondary-side ground

Hz indicates cycles per second.

FOR SAFETY AND CONTINUED GOOD PERFORMANCE

- FR is an abbreviation of Fusible Resistor ($\text{---}\text{W}^{\text{FR}}$), and operates as Fuse.

Replacing Fuse, FR and shaded ($\text{---}\text{W}^{\text{FR}}$) parts, be sure to use parts specified for safety purposes.

- For maximum reliability and performance, all other replacement parts should be identical to those specified.

DIFFERENT VOLTAGES LIST

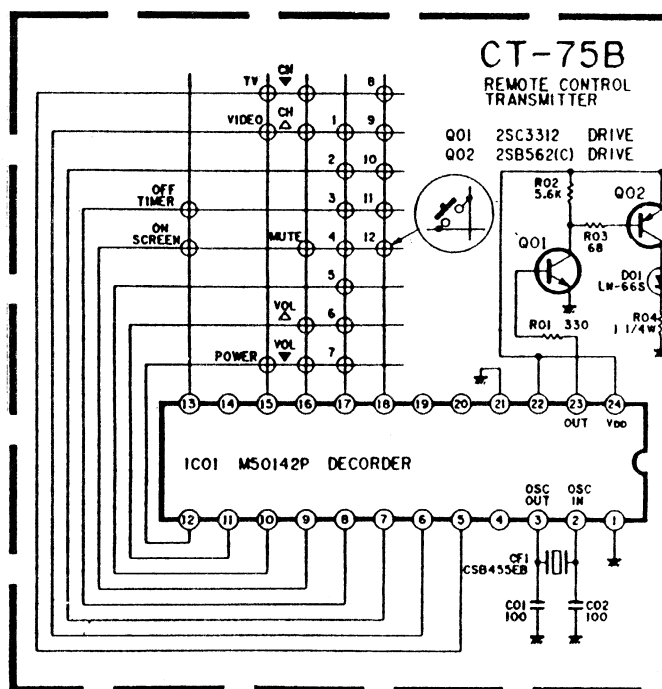
IC Pin No. & TR Colour mode	IC371								IC201		
	4	6	10	26	27	28	29		7	12	19
PAL	0V	5.4V	5.4V	0.7V	1.3V	5.3V	4.7V		5.2V	9.2V	4.3V
SECAM	2.9V	4.4V	4.4V	10.4V	6.3V	6.3V	5.7V		0V	7.5V	4.3V
NTSC (3.58 MHz)	0V	5.4V	5.4V	0.7V	1.3V	5.3V	4.7V		5.2V	9.2V	2.1V
NTSC (4.43 MHz)	0V	5.4V	5.4V	0.7V	1.3V	5.3V	4.7V		5.2V	9.2V	2.1V

IC Pin No. & TR Colour mode	Q102		Q103		Q201		Q301		Q304		Q305	
	B	B	C	C	B	B	C	B	C	B	C	
PAL	2.3V	0V	10V	0.7V	0V	11.6V	0V	6.4V	0.7V	0V		
SECAM	2.3V	0V	10V	0.7V	0V	11.6V	0V	6.4V	0.7V	0V		
NTSC (3.58 MHz)	6.9V	0.7V	0V	0V	0.7V	0V	0.7V	0V	0V	6V		
NTSC (4.43 MHz)	3.7V	0V	10V	0.7V	0.7V	0V	0V	6.4V	0.7V	0V		

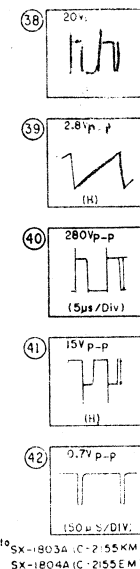
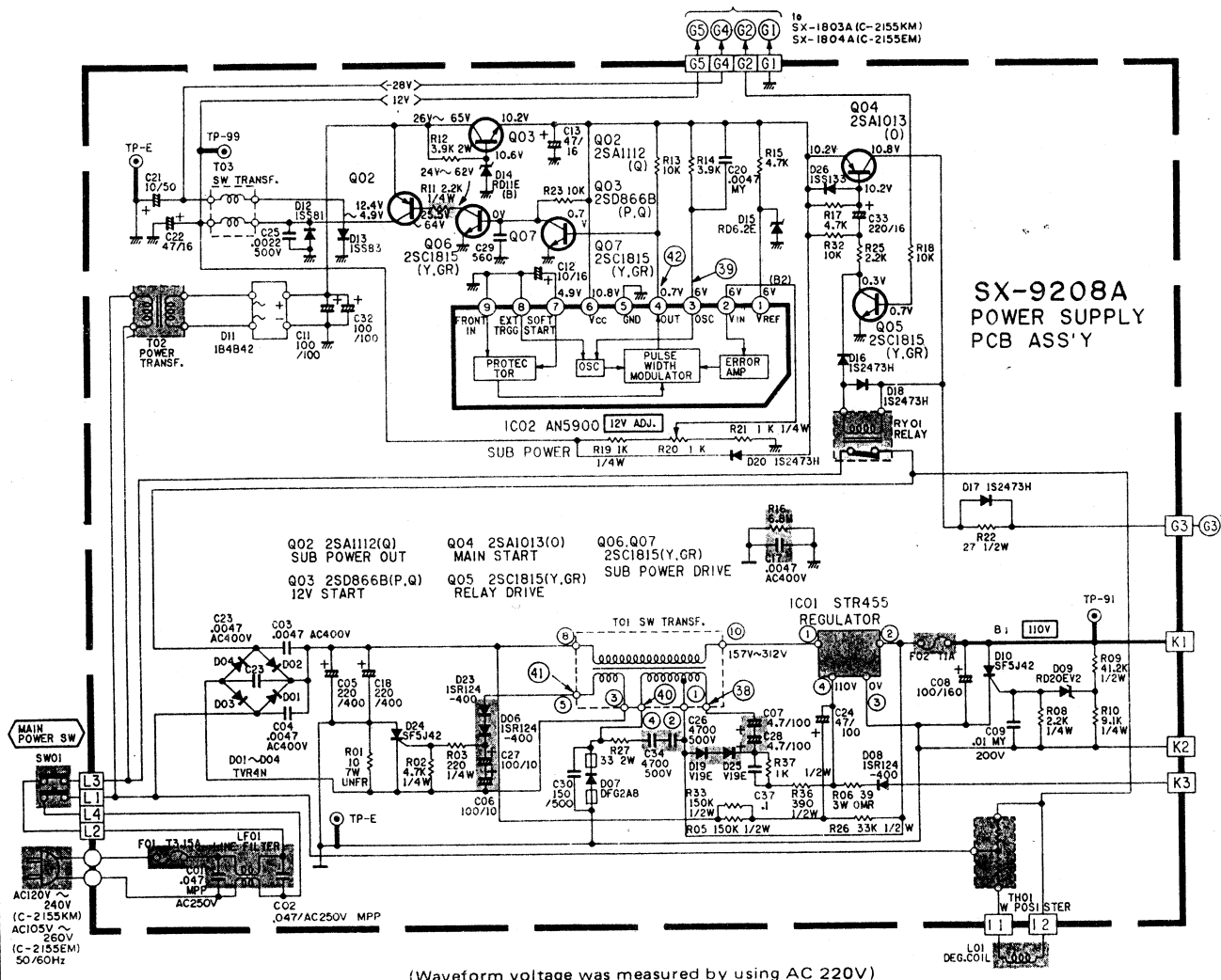
IC Pin No. & TR Colour mode	Q306		Q307		Q371			Q401	
	B	C	B	C	B	C	E	B	C
PAL	0V	5.3V	0V	4.3V	1.3V	0.7V	0.7V	0V	4V
SECAM	0.7V	0V	0V	4.3V	0V	10.4V	0V	0V	4V
NTSC (3.58 MHz)	0V	5.3V	0.7V	0V	1.4V	0.7V	0.7V	0.7V	0V
NTSC (4.43 MHz)	0V	5.3V	0.7V	0V	1.4V	0.7V	0.7V	0.7V	0V

IC Pin No. & TR Colour mode	Q604		Q605		Q606	
	B	C	B	C	B	C
PAL	0V	1.2V	0.7V	0V	0V	0V
SECAM	0V	1.8V	0.7V	0V	0V	0V
NTSC (3.58 MHz)	0.7V	0V	0V	15V	0.7V	0.7V
NTSC (4.43 MHz)	0.7V	0V	0V	15V	0.7V	0.7V

CT-75B SCHEMATIC DIAGRAM



POWER SUPPLY SCHEMATIC DIAGRAM



PARTS NO. LIST (Shaded parts in the schematic diagram)

Symbol No.	Part No.	Part Name	Symbol No.	Part No.	Part Name
SX-1804A (MAIN PB ASS'Y)			C9027	QET51AR-107	E Cap.
C1551	QFZ0081-7801S	MPP Cap.	9028	QET52AR-475	"
T1552	CE40361-00C	H Drive Transf.	9034	QCY42HK-472A	C Cap.
D1572	MA4068(L)	Zener Diode	T9002	CE40511-00E	Power Transf.
Q1551	2SD1427	Si. Transistor	D9006	1SR124-400	Si. Diode
F1551	QMF51E2-1R25S	Fuse	9019	V19E-4	"
FR1010	QRZ0054-150M	F R	9023	1SR124-400	"
1141	" -100M	"	9025	V19E	"
1552	QRH127J-4R7M	"	IC9001	STR455	IC
1553	QRH027J-3R3M	"	F9001	QMF51E2-3R15S	Fuse
1554	" -1R8M	"	9002	" -1R0S	"
1562	" -3R3M	"	R9011	QRD149J-222S	C R
1571	QRZ0054-4R7M	"	9016	QRZ0057-685	"
1831	QRH127J-470M	"	RY9001	CE40134-001	Relay
R1572	CJ39520-00X	R Block	LF9001	C30239-A	Line Filter
SX-3036A (CRT SOCKET PCB ASS'Y)			TH9001	CE40478-001	W Posistor
SX-9208A (POWER PB ASS'Y)			OUTSIDE OF THE PB ASS'Ys		
C9001,2	QFZ9017-473M	MM Cap.	V01	A51JKY04X-AC	Picture Tube
9006	QET51AR-107	E Cap.	DY01	CE20049-00A	Def. Yoke Ass'y
9007	QET52AR-475	"	L01	CJ39538-00D	Degaussing Coil
9017	QCZ9012-472M	C Cap.	SW01	QSP4D21-C04	Power Switch
9026	QCY42HK-472A	"	T1551	QMP4048-200R	Power Cord
				CJ26322-00A	H. V Transf.

