

JVC

SERVICE MANUAL

COLOUR TELEVISION

BASIC CHASSIS

CM-F

AV-21P8TEE

This service manual mainly consists of the following items:

- The items which differ from those for the AV-21PS service manual.
- The initial value for each setting item.

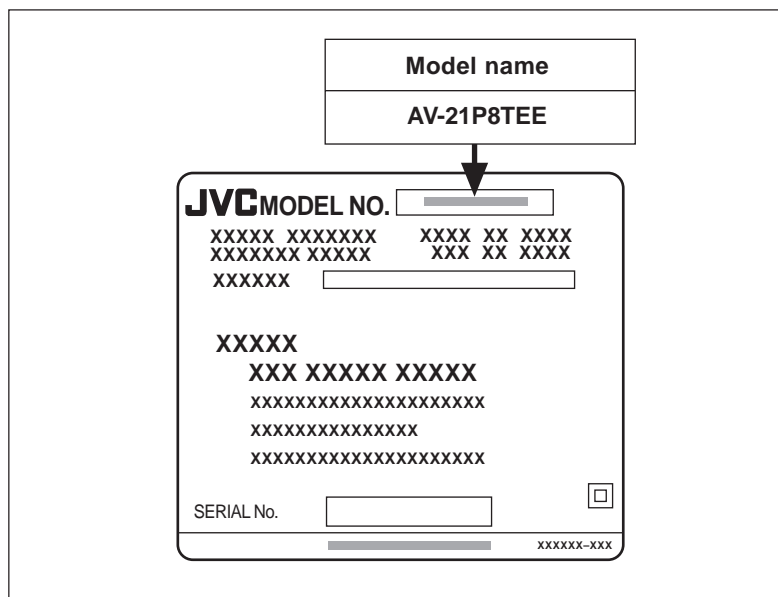
For details other than those described in this manual, please refer to the following service manual.

Reference Service Manual: AV-21PS Service Manual (No. 56018, Jun. 2000)

Note: The page in parentheses shows the one for the AV-21PS service manual (No. 56018, Jun. 2000).

HOW TO IDENTIFY MODEL

While referring to the illustration given below, identify model name on the rating label affixed to the rear cover.



PARTS DIFFERENCE TABLE

The different parts between AV-21PS and AV-21P8TEE are described below:

△	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ EXPLODED VIEW PARTS LIST (Page 32)					
	1	LC10549-016A-H	LC10549-014A-H	FRONT CABI ASSY	
	9	LC40317-001A	LC40317-002A-H	TAPPING SCREW	
△	18	LC20377-001A-H	LC20377-009A-H	RATING LABEL	
■ PRINTED WIRING BOARD PARTS LIST (Page 34-) [MAIN PWB ASSY/IF PWB ASSY]					
	—	SCM-1612A-H2	SCM-1616A-H2	MAIN PWB ASSY	
	R1151	QRE141J-103Y	———	C R	10kΩ 1/4W J
	R1152	QRE141J-103Y	———	C R	10kΩ 1/4W J
	R1153	QRE141J-102Y	———	C R	1kΩ 1/4W J
	R1745	QRE141J-101Y	———	C R	100Ω 1/4W J
	C1151	QCB31HK-103Z	———	C CAP.	0.01μF 50V K
	IC1701	M37204MC-D47SP	M37204MC-D48SP	I C (MICROCOMPUTER)	
	IC1702	AT24C08-AV21PS	AT24C08-21P8TEE	I C (MEMORY)	
	Q1151	2SC1740S/QR/-T	———	SI TRANSISTOR	
	—	SCM0F301A-H2	SCM0F302A-H2	IF PWB ASSY	
	R0113	NRSA02J-0R0X	———	CH MG R	0.0Ω 1/10W J
	R0601	———	NRSA02J-222X	CH MG R	2.2kΩ 1/10W J
	R0602	———	NRSA02J-332X	CH MG R	3.3kΩ 1/10W J
	R0604	———	NRSA02J-222X	CH MG R	2.2kΩ 1/10W J
	R0605	———	NRSA02J-221X	CH MG R	220Ω 1/10W J
	R0606	———	NRSA02J-152X	CH MG R	1.5kΩ 1/10W J
	R0607	———	NRSA02J-182X	CH MG R	1.8kΩ 1/10W J
	R0608	———	NRSA02J-561X	CH MG R	560Ω 1/10W J
	R0609	———	NRSA02J-471X	CH MG R	470Ω 1/10W J
	R0610	———	NRSA02J-222X	CH MG R	2.2kΩ 1/10W J
	R0611	———	NRSA02J-152X	CH MG R	1.5kΩ 1/10W J
	R0612	———	NRSA02J-471X	CH MG R	470Ω 1/10W J
	R0615	———	NRSA02J-181X	CH MG R	180Ω 1/10W J
	R0616	———	NRSA02J-220X	CH MG R	22Ω 1/10W J
	R0617	———	NRSA02J-821X	CH MG R	820Ω 1/10W J
	R0619	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0620	———	NRSA02J-102X	CH MG R	1kΩ 1/10W J
	R0621	———	NRSA02J-393X	CH MG R	39kΩ 1/10W J
	R0622	———	NRSA02J-103X	CH MG R	10kΩ 1/10W J
	R0623	———	NRSA02J-391X	CH MG R	390Ω 1/10W J
	R0624	———	NRSA02J-101X	CH MG R	100Ω 1/10W J

▲	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ PRINTED WIRING BOARD PARTS LIST-Continued (Page 34-) [IF PWB ASSY/AV SW PWB ASSY]					
	R0625	————	NRSA02J-561X	CH MG R	560Ω 1/10W J
	R0626	————	NRSA02J-182X	CH MG R	1.8kΩ 1/10W J
	R0627	————	NRSA02J-561X	CH MG R	560Ω 1/10W J
	R0628	————	NRSA02J-561X	CH MG R	560Ω 1/10W J
	C0113	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0124	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0130	————	QETN1CM-107Z	E CAP.	100μF 16V M
	C0131	————	QETN1CM-107Z	E CAP.	100μF 16V M
	C0601	————	QETN1HM-106Z	E CAP.	10μF 50V M
	C0602	————	NCB21HK-223X	CH C CAP.	0.022μF 50V K
	C0603	————	NDC21HJ-470X	CH C CAP.	47pF 50V J
	C0604	————	NDC21HJ-470X	CH C CAP.	47pF 50V J
	C0606	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0607	————	QETN1CM-107Z	E CAP.	100μF 16V M
	C0608	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0609	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0610	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0611	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	C0612	————	NCB21HK-103X	CH C CAP.	0.01μF 50V K
	L0601	————	QQL244K-120Z	COIL	12μH K
	Q0111	————	DTC124EKA-X	DIGI TRANSISTOR	
	Q0601	————	2SC2412K/QR/-X	CHIP TRANSISTOR	
	Q0602	————	2SC2412K/QR/-X	CHIP TRANSISTOR	
	Q0603	————	DTC124EKA-X	DIGI TRANSISTOR	
	Q0604	————	2SC2412K/QR/-X	CHIP TRANSISTOR	
	Q0605	————	DTC124EKA-X	DIGI TRANSISTOR	
	Q0606	2SA1037AK/QR/-X	————	SI TRANSISTOR	
	Q0608	————	2SC2412K/QR/-X	CHIP TRANSISTOR	
	CF0601	————	SFSH4.5MCB	CERAMIC FILTER	
	CF0604	————	QAX0336-001	CERAMIC FILTER	
	CF0606	————	QAX0337-001	CERAMIC FILTER	
	CF0608	————	QAX0338-001	CERAMIC FILTER	
	SF0102	————	QAX0325-001	SAW FILTER	
	—	SCM0Y501A-H2	SCM0Y502A-H2	AV SW PWB ASSY	
	R0101	NRSA02J-472X	————	CH MG R	4.7kΩ 1/10W J
	R0102	NRSA02J-122X	————	CH MG R	1.2kΩ 1/10W J
	R0104	NRSA02J-331X	————	CH MG R	330Ω 1/10W J
	R0105	NRSA02J-0R0X	————	CH MG R	0.0Ω 1/10W J

▲	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ PRINTED WIRING BOARD PARTS LIST-Continued (Page 34-) [AV SW PWB ASSY]					
	R0106	NRSA02J-472X	———	CH MG R	4.7kΩ 1/10W J
	R0107	NRSA02J-0R0X	———	CH MG R	0.0Ω 1/10W J
	R0108	NRSA02J-101X	———	CH MG R	100Ω 1/10W J
	R0109	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0110	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0111	NRSA02J-222X	———	CH MG R	2.2kΩ 1/10W J
	R0112	NRSA02J-222X	———	CH MG R	2.2kΩ 1/10W J
	R0113	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0114	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0115	NRSA02J-222X	———	CH MG R	2.2kΩ 1/10W J
	R0117	NRSA02J-153X	———	CH MG R	15kΩ 1/10W J
	R0119	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0120	NRSA02J-0R0X	———	CH MG R	0.0Ω 1/10W J
	R0121	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0122	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0123	NRSA02J-101X	———	CH MG R	100Ω 1/10W J
	R0124	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0125	NRSA02J-681X	———	CH MG R	680Ω 1/10W J
	R0126	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0127	NRSA02J-151X	———	CH MG R	150Ω 1/10W J
	R0129	NRSA02J-334X	———	CH MG R	330kΩ 1/10W J
	R0130	NRSA02J-824X	———	CH MG R	820kΩ 1/10W J
	R0131	NRSA02J-223X	———	CH MG R	22kΩ 1/10W J
	R0132	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0133	NRSA02J-822X	———	CH MG R	8.2kΩ 1/10W J
	R0134	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0135	NRSA02J-102X	———	CH MG R	1kΩ 1/10W J
	R0136	NRSA02J-152X	———	CH MG R	1.5kΩ 1/10W J
	R0151	NRSA02J-222X	———	CH MG R	2.2kΩ 1/10W J
	R0152	NRSA02J-271X	———	CH MG R	270Ω 1/10W J
	R0153	NRSA02J-271X	———	CH MG R	270Ω 1/10W J
	R0154	NRSA02J-271X	———	CH MG R	270Ω 1/10W J
	R0501	QRG01GJ-181	———	OM R	180Ω 1W J
	R0512	NRSA02J-101X	———	CH MG R	100Ω 1/10W J
	R0513	NRSA02J-101X	———	CH MG R	100Ω 1/10W J
	C0101	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0103	NCB21HK-472X	———	CH C CAP.	4700pF 50V K
	C0104	NCB21HK-472X	———	CH C CAP.	4700pF 50V K

▲	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ PRINTED WIRING BOARD PARTS LIST-Continued (Page 34-) [AV SW PWB ASSY]					
	C0105	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0106	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0107	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0108	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0109	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0110	NCB21HK-331X	——	CH C CAP.	330pF 50V K
	C0111	QETN1HM-474Z	——	E CAP.	0.47μF 50V M
	C0112	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0113	QETN1CM-336Z	——	E CAP.	33μF 16V M
	C0114	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0115	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0116	QCB31HK-103Z	——	C CAP.	0.01μF 50V K
	C0117	QCB31HK-103Z	——	C CAP.	0.01μF 50V K
	C0118	NDC21HJ-820X	——	CH C CAP.	82pF 50V J
	C0119	NDC21HJ-470X	——	CH C CAP.	47pF 50V J
	C0120	NDC21HJ-180X	——	CH C CAP.	18pF 50V J
	C0121	QETN1HM-474Z	——	E CAP.	0.47μF 50V M
	C0122	NDC21HJ-330X	——	CH C CAP.	33pF 50V J
	C0123	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0124	NCB21HK-682X	——	CH C CAP.	6800pF 50V K
	C0126	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0151	NDC21HJ-680X	——	CH C CAP.	68pF 50V J
	C0152	NDC21HJ-470X	——	CH C CAP.	47pF 50V J
	C0153	NDC21HJ-101X	——	CH C CAP.	100pF 50V J
	C0154	NDC21HJ-270X	——	CH C CAP.	27pF 50V J
	C0501	NDC21HJ-2R0X	——	CH C CAP.	2.0pF 50V J
	C0502	NDC21HJ-2R0X	——	CH C CAP.	2.0pF 50V J
	C0503	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0504	NCB21HK-103X	——	CH C CAP.	0.01μF 50V K
	C0505	QETN1HM-106Z	——	E CAP.	10μF 50V M
	C0506	QETN1HM-106Z	——	E CAP.	10μF 50V M
	C0507	NCF21HZ-104X	——	CH C CAP.	0.1μF 50V Z
	C0508	NCF21HZ-104X	——	CH C CAP.	0.1μF 50V Z
	C0509	QETN1HM-106Z	——	E CAP.	10μF 50V M
	C0510	NCF21HZ-104X	——	CH C CAP.	0.1μF 50V Z
	C0511	NCS21HJ-471X	——	CH C CAP.	470pF 50V J
	C0512	NCS21HJ-471X	——	CH C CAP.	470pF 50V J
	C0513	NCF21HZ-104X	——	CH C CAP.	0.1μF 50V Z

▲	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ PRINTED WIRING BOARD PARTS LIST-Continued (Page 34-) [AV SW PWB ASSY]					
	C0514	QETN1HM-106Z	———	E CAP.	10μF 50V M
	C0515	QETN1HM-106Z	———	E CAP.	10μF 50V M
	C0516	NCF21HZ-104X	———	CH C CAP.	0.1μF 50V Z
	C0517	QETN1HM-106Z	———	E CAP.	10μF 50V M
	C0518	QETN1HM-106Z	———	E CAP.	10μF 50V M
	C0521	NCF21HZ-104X	———	CH C CAP.	0.1μF 50V Z
	C0522	NCB21HK-102X	———	CH C CAP.	1000pF 50V K
	C0523	NCB21HK-102X	———	CH C CAP.	1000pF 50V K
	C0524	NCS21HJ-391X	———	CH C CAP.	390pF 50V J
	C0525	NCS21HJ-391X	———	CH C CAP.	390pF 50V J
	C0526	NDC21HJ-221X	———	CH C CAP.	220pF 50V J
	C0528	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0529	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0530	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0531	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0532	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0533	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0534	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0535	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0536	NCB21HK-102X	———	CH C CAP.	1000pF 50V K
	C0537	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0539	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0540	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0541	QETN1CM-107Z	———	E CAP.	100μF 16V M
	C0542	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0543	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0544	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0545	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0546	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0547	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0548	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0549	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0550	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0551	NCB21HK-103X	———	CH C CAP.	0.01μF 50V K
	C0555	NDC21HJ-101X	———	CH C CAP.	100pF 50V J
	T0101	CELT001-306	———	CW TRANSF.	
	L0101	QQL244K-1R5Z	———	COIL	1.5μH K
	L0102	QQL244K-100Z	———	COIL	10μH K

△	REF. NO.	AV-21PS	AV-21P8TEE	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ PRINTED WIRING BOARD PARTS LIST-Continued (Page 34-) [AV SW PWB ASSY]					
	L0103	QQL05BK-1R5Z	—	COIL	1.5μH K
	L0104	QQL244K-100Z	—	COIL	10μH K
	L0105	QQL244K-150Z	—	COIL	15μH K
	L0106	QQL244K-180Z	—	COIL	18μH K
	L0107	QQL244K-100Z	—	COIL	10μH K
	L0151	QQL244K-120Z	—	COIL	12μH K
	L0501	NQL02BJ-4R7X	—	COIL	4.7μH J
	L0502	QQL244K-4R7Z	—	COIL	4.7μH K
	L0503	QQL244K-4R7Z	—	COIL	4.7μH K
	L0504	QQL244K-4R7Z	—	COIL	4.7μH K
	D0101	1SS85-T2	—	SI DIODE	
	D0102	1SS85-T2	—	SI DIODE	
	D0103	MA3091/M/-X	—	CHIP ZENER DIODE	
	D0501	MA3082/M/-X	—	CHIP ZENER DIODE	
	Q0101	2SC5083/L-P/-T	—	SI TRANSISTOR	
	Q0102	2SA1037AK/QR/-X	—	SI TRANSISTOR	
	Q0103	2SA1037AK/QR/-X	—	SI TRANSISTOR	
	Q0104	DTC323TK-X	—	DIGI TRANSISTOR	
	Q0105	2SC2412K/QR/-X	—	CHIP TRANSISTOR	
	Q0106	2SC2412K/QR/-X	—	CHIP TRANSISTOR	
	Q0107	2SC2412K/QR/-X	—	CHIP TRANSISTOR	
	IC0101	LA7577N	—	IC	
	IC0501	MSP3410D-PP-C5	—	IC (MULTISOUND PRO.)	
	CF0101	QAX0552-001	—	CERAMIC TRAP	
	CF0151	SFSH4.5MCB	—	CERAMIC FILTER	
	EF0501	CE42482-103Y	—	EMI FILTER	
	EF0502	CE42482-103Y	—	EMI FILTER	
△	FR0103	QRZ9017-330	—	F R	33Ω 1/4W J
△	FR0118	QRZ9017-470	—	F R	47Ω 1/4W J
	K0502	CE41433-001Z	—	BEADS CORE	
	SF0101	QAX0497-001	—	SAW FILTER	
	SF0102	QAX0497-002	—	SAW FILTER	
	X0501	CE42546-001Z	—	X TAL	
■ PACKING PARTS LIST (Page 44)					
	1	GG10044-006A-H	GG10044-011A-H	PACKING CASE	
	4	RM-C231-1C	RM-C232-1C	REMOCON UNIT	
△	6	LCT0735-001A-H	LCT0739-001A-H	INST BOOK	
	—	—	BT-54012-1	WARRANTY CARD	

SPECIFICATIONS (Page 2)

Item		Content
Dimensions (W × H × D)		596mm × 468.5mm × 481.5mm
Mass		25kg
TV RF System		B / G, I, D / K, K1, M
Colour System	TV Mode	PAL / SECAM / NTSC3.58 / NTSC4.43
	VIDEO Mode	PAL / SECAM / NTSC3.58 / NTSC4.43
Teletext System		Fastext (United Kingdom system) WST (Standard system)
Receiving Frequency	VHF (VL)	46.25MHz ~ 168.25MHz
	VHF (VH)	175.25MHz ~ 463.25MHz
	UHF	471.25MHz ~ 863.25MHz
	CATV	● Cable TVs of Mid (X-Z, S1-S10) Super (S11-S20) & Hyper (S21-S41) bands receivable
Intermediate Frequency	VIF Carrier	38.0MHz
	SIF Carrier	31.5MHz (6.5MHz) 32.0MHz (6.0MHz) 32.5MHz (5.5MHz) 33.5MHz (4.5MHz)
Colour Sub Carrier Frequency		PAL (4.43MHz), SECAM (4.40625MHz / 4.25MHz) NTSC (3.58MHz / 4.43MHz)
Aerial Input Terminal		75Ω Unbalanced
Power Input		AC110 ~ 240V, 50/60Hz
Power Consumption		135W (Max.) / 89W (Avg.)
Picture Tube		Visible size : 51cm measured diagonally
High Voltage		29kV +1/-1.5kV (at zero beam current)
Speaker		5 × 12cm Oval type × 2
Audio Output		5W + 5W
Input (S/Video-1, Video-2 & -3, Audio)	Video	1Vp-p, 75Ω
	S/Video	Y: 1Vp-p Positive (negative sync provided, when terminated with 75Ω) C: 0.286Vp-p (burst signal, when terminated with 75Ω)
	Audio (L/R)	500mVrms (-4dBs), High impedance
Output	Video	1Vp-p, 75Ω
	Audio (L/R)	500mVrms (-4dBs), Low impedance
Headphone Jack		Stereo mini jack (3.5ø)
Remote Control Unit		RM-C232-1C (Battery size : AA/R06/UM-3 × 2)

Design & specifications are subject to change without notice.

SPECIFIC SERVICE INSTRUCTIONS

SETTING OF SYSTEM CONSTANT SET (Page 7)

Table 1

Setting item	Setting contents	Setting value
1. COLOUR AUTO	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
2. COLOUR	<input type="checkbox"/> MULTI. → TRIPLE → PAL <input type="checkbox"/>	MULTI
3. ECO SENSOR	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
4. BASS	<input type="checkbox"/> YES-BB → YES-BB-SB → YES-SB <input type="checkbox"/> <input type="checkbox"/> NO-SB-OFF ← NO-SB-ON ← YES-BA <input type="checkbox"/>	NO-SB-ON
5. VOL. LIMITER	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
6. TEXT	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
7. MSP	<input type="checkbox"/> YES → NO → NO-A2 <input type="checkbox"/>	NO
8. LANGUAGE	<input type="checkbox"/> E/R/C → E/R → E/C → E <input type="checkbox"/>	E/R
9. EW-PIN IC	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
10. B/B OFF MUTE	<input type="checkbox"/> ON → OFF <input type="checkbox"/>	OFF
11. LED	<input type="checkbox"/> 2 → 3 <input type="checkbox"/>	3
12. D/K NICAM	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
13. ALC	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
14. BBE	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
15. E.M.C.	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO

USER SETTING VALUES (Page 7)

Table 2

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	BASS	CENTER
CHANNEL POSITION	1 POSITION	BALANCE	CENTER
CHANNEL PRESET	Refer to OPERATING INSTRUCTION	LANGUAGE	ENGLISH
VOLUME	Appropriate sound volume	AUTO VNR	OFF
TV/VIDEO	TV	OFF TIMER	OFF
ON SCREEN DISPLAY	POSITION NUMBER DISPLAY	AUTO SHUTOFF	OFF
COLOUR SYSTEM	AUTO PAL	ECO SENSOR	OFF
SOUND SYSTEM	B / G	ALC	HIGH
PICTURE MODE (VSM)	BRIGHT	BLUE BACK	OFF
LIVE SPATIAL	OFF	ON TIMER	PR1 0:00
TREBLE	CENTER	CHILD LOCK	OFF

SERVICE ADJUSTMENTS

■ Initial Setting Value

■ IF CIRCUIT ADJUSTMENT -- Adjustment of DELAY POINT (Page 15)

Setting (Adjustment) item	Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	0 ~ 63	19

■ V/C (VIDEO/CHROMA) CIRCUIT ADJUSTMENT (Page 15)

[SUB MENU 2. V/C]

Setting item	Colour system	Variable range	Initial setting value			
			PAL	SECAM	NTSC 3.58	NTSC 4.43
1. CUT OFF (R / G / B)		-128 ~ +127	0	←	←	←
2. DRIVE (R / B)		-128 ~ +127	0	←	←	←
3. BRIGHT (RF/VIDEO)		-128 ~ +127	0 / 0	+2 / -1	0 / -2	——
4. CONT. (RF/VIDEO)		-42 ~ +42	0 / -6	-7 / -8	-8 / -7	——
5. COLOUR		-60 ~ +68	+11	+3	+15	0
6. TINT (TV / VIDEO)		-64 ~ +63	——	——	+12 / 0	0 / -4
7. BLACK OFFSET (R-Y / B-Y)		-8 ~ +7	——	+4 / +2	——	——
8. SHARP (TV / VIDEO)		-32 ~ +31	-15 / 0	←	-20 / 0	——
9. TEXT (RGB) CONT.		-128 ~ +77	+10	←	←	←
10. B.S.OFF		0 ~ +1	0	←	←	←
11. B.S.POINT		0 ~ +7	+6	←	←	←
12. DC TRAN RATE		0 ~ +7	0	←	←	←
13. APA-CON FO/SW		0 ~ +3	+1	←	←	←
14. VSM PHASE		0 ~ +3	+3	←	←	←
15. VSM GAIN		0 ~ +3	+1	←	←	←
16. CLL SW		0 ~ +1	+1	←	←	←
17. CLL LEVEL		0 ~ +3	+2	←	←	←
18. ABL POINT		0 ~ +7	+5	←	←	←
19. ABL GAIN		0 ~ +7	+1	←	←	←
20. Y-DL (TV / VIDEO / S)		0 ~ +7	+2 / +4 / +2	+3 / +3 / +2	+2 / +2 / +2	+4 / +4 / +2
21. P.ACL SW		0 ~ +1	+1	←	←	←
22. WPL SW		0 ~ +1	0	←	←	←
23. Y GAMMA		0 ~ +1	0	←	←	←

: Do not adjust.

Adjustment of SUB COLOUR-II (Page 18)

Adjustment part	Description
5. COLOUR	
PAL COLOUR	Value (A) in the figure: Set to +4V (W & G) .
SECAM COLOUR	Value (A) in the figure: Set to +3V (W & G) .
NTSC 3.58 COLOUR	Value (A) in the figure: Set to +4V (W & G) .

Adjustment of SUB TINT-II (Page 19)

Adjustment part	Description
6. TINT	
NTSC 3.58 TINT	Value (B) in the figure: Set to +3V (W & Cy) .

■ DEFLECTION CIRCUIT ADJUSTMENT (Page 21)**[SUB MENU 4. DEF]**

Setting item	Adjustment name	Variable range	Initial setting value	
			50Hz	60Hz
1. TRAPEZ	Trapezoidal distortion correction	-32 ~ +31	-15	-3
2. V-SHIFT	Vertical center	-32 ~ +31	-19	+12
3. V-SIZE	Vertical height	-64 ~ +63	+12	0
4. H-CENT	Horizontal center	-16 ~ +15	-6	0
5. H-SIZE	Horizontal width	-64 ~ +63	+6	0
6. EW-PIN	Side pin correction	-64 ~ +63	-10	0
7. V-S. CR	Vertical height correction	-64 ~ +63	0	+2
8. V-EDGE	Vertical edge correction	-64 ~ +63	+3	+2
9. EW-COR	Side pin fore correction	-64 ~ +63	-1	-1
10. V-LINE	Vertical linearity	-16 ~ +15	0	+2
11. H-COMP	Horizontal compensation	0 ~ +15	+3	0

: Do not adjust.

■ VSM PRESET ADJUSTMENT (Page 25)**[Setting Values for SUB MENU 5. VSM PRESET]**


VSM preset mode VSM Setting item	BRIGHT	STANDARD	SOFT
1. TINT SETTING VALUE	0	←	←
2. COLOUR SETTING VALUE	0	←	←
3. BRIGHT SETTING VALUE	0	←	←
4. CONT. SETTING VALUE	+15	0	-4
5. SHARP SETTING VALUE	0	←	-3

: Do not adjust.

■ CENTER ADJUSTMENT (Page 25)

[SUB MENU 6. CENTER]

Setting item	Initial setting value (fixed)
TREBLE (Do not adjust.)	+2
BASS (Do not adjust.)	+3

 : Do not adjust.**JVC**VICTOR COMPANY OF JAPAN, LIMITED
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