

JVC

SERVICE MANUAL

COLOUR TELEVISION

BASIC CHASSIS

CL

AV-25A8(BK)

This service manual mainly consists of the following items:

- The items which differ from those for the AV-A2580(BK) service manual.
- The initial value for each setting item.

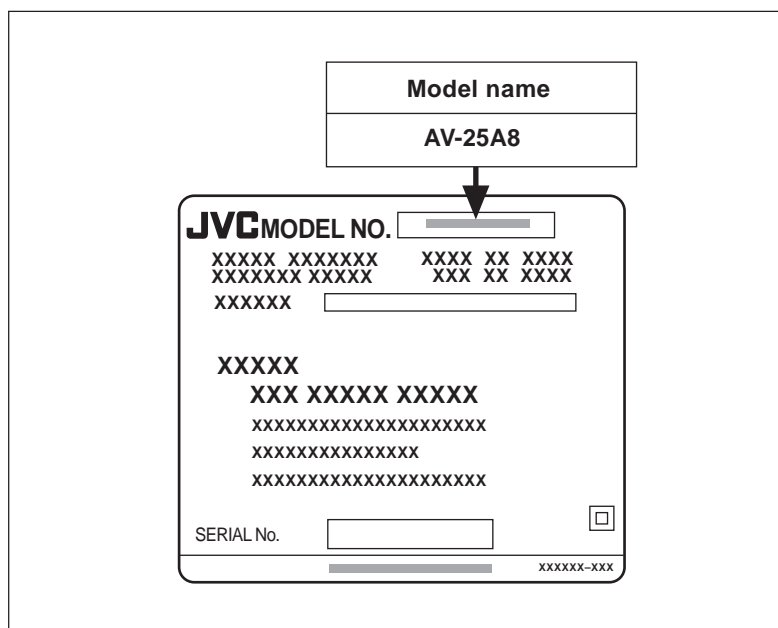
For details other than those described in this manual, please refer to the following service manual.

Reference Service Manual: AV-A2580(BK) Service Manual (No. 51389, May 1998)

Note: The page in parentheses shows the one for the AV-A2580(BK) service manual (No. 51389, May 1998).

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-A2580(ВК) and AV-25A8(ВК) are described below:

△	REF. NO.	AV-A2580(ВК)	AV-25A8(ВК)	PART NAME	DESCRIPTION
		PART No.	PART No.		
■ EXPLODED VIEW PARTS LIST (Page 28)					
△	8	CM22960-036-H	CM22960-081-H	RATING LABEL	
	21	CM12472-00L-H	CM12472-00P-H	FRONT CABI ASSY	
■ PACKING PARTS LIST (Page 35)					
	1	CP11434-027-H	CP11434-064-H	PACKING CASE	
△	7	LCT0185-001A-H	LCT0185-001B-H	INST BOOK	

SPECIFICATIONS (Page 2)

Item		Content
Dimensions (W × H × D)		57.1cm × 51.5cm × 49.5cm
Mass		26.5kg
TV RF System		B / G, I, D / K, K1 / M
Colour System		PAL / SECAM / NTSC3.58 / NTSC4.43
Sound-multiplex System		Bilingual sound in A2 stereo (Stereo sound in A2 stereo is not available. Stereo sound is available only in playback.)
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	32.5MHz (5.5MHz), 31.5MHz (6.5MHz) 33.5MHz (4.5MHz), 32.0MHz (6.0MHz)
Colour Sub Carrier Frequency		PAL (4.43MHz), SECAM (4.40625MHz / 4.25MHz) NTSC (3.58MHz / 4.43MHz)
Aerial Input Terminal		75Ω Unbalanced
Power Input	Rated voltage	AC120 ~ 240V, 50 / 60Hz
	Operating voltage	AC90 ~ 260V, 50 / 60Hz
Power Consumption		112W (Max.) / 78W (Avg.)
Picture Tube		Visible size : 59cm measured diagonally
High Voltage		28kV ± 1kV (at zero beam current)
Speaker		5cm × 12 cm Oval type × 2
Audio Output		5W + 5W
Input	Video	1Vp-p, 75Ω
	Audio (L/R)	500mVrms (-4dBs), High impedance
Output	Video	1Vp-p, 75Ω
	Audio (L/R)	500mVrms (-4dBs), Low impedance
Remote Control Unit		RM-C567-1H (Battery size : AA/R06/UM-3 × 2)

Design & specifications are subject to change without notice.

SPECIFIC SERVICE INSTRUCTIONS

SETTING OF SYSTEM CONSTANT SET (Page 9)

Table 1

Setting item	Setting contents	Setting value
1. INCH	<input type="checkbox"/> 14 → 21 → 25 → 29 <input type="checkbox"/>	25
2. COLOUR	<input type="checkbox"/> MULTI → TRIPLE → PAL <input type="checkbox"/>	MULTI
3. VIDEO INPUT	<input type="checkbox"/> 1 → 3 <input type="checkbox"/>	1
4. ECO SENSOR	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
5. SUPER BASS	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
6. SPATIALIZER	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
7. VOL. LIMITER	<input type="checkbox"/> YES → NO <input type="checkbox"/>	YES
8. BLUE BACK	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
9. TEXT	<input type="checkbox"/> YES → NO <input type="checkbox"/>	NO
10. LANGUAGE	<input type="checkbox"/> E → E/T <input type="checkbox"/>	E/T

USER SETTING VALUES (Page 9)

Table 2

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	LIVE SPATIAL	OFF
CHANNEL	1 POSITION	OFF TIMER	OFF
CHANNEL PRESET	Refer to OPERATING INSTRUCTIONS	PICTURE MODE (VSM)	BRIGHT
		BILINGUAL MODE	I
VOLUME	Appropriate sound volume	TREBLE / BASS / BALANCE	CENTER
TV/VIDEO	TV	VNR	OFF
ON SCREEN DISPLAY	POSITION NUMBER DISPLAY	BLUE BACK	NO
COLOUR SYSTEM	PAL	LANGUAGE	THAI
SOUND SYSTEM	B/G		

SERVICE ADJUSTMENTS

■ Initial Setting Value

■ IF CIRCUIT ADJUSTMENT -- Adjustment of DELAY POINT (Page 16)

Setting (adjustment) item	Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	0 ~ 63	20

■ V/C (VIDEO/CHROMA) CIRCUIT/DEF. CIRCUIT ADJUSTMENT (Page 16)

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		-64 ~ +64	-11		←		←		←	
4. CONT.		-58 ~ +28	-10		←		←		←	
5. COLOUR		-60 ~ +67	+7		+11		+12		-2	
6. TINT	TV / VIDEO	-48 ~ +79	—		—		+5 / 0		0 / 0	
7. BLACK OFFSET (R-Y / B-Y)		-8 ~ +7	0 / 0		←		←		←	
8. SHARP (Do Not Adj.)	TV / VIDEO	-32 ~ +31	-05 / +03 (Fixed)		←		←		←	
9. TEXT (RGB) CONT. (Do Not Adj.)		-128 ~ +47	+15 (Fixed)		←		←		←	
10. H. CENTER		-16 ~ +15	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
			-10	-10	←	←	-10	-10	←	←
11. V. HEIGHT		-64 ~ +63	-15	-15	←	←	0	0	←	←
12. V. LIN (Do Not Adj.)		-16 ~ +15	0 (Fixed)	0 (Fixed)	←	←	0 (Fixed)	0 (Fixed)	←	←
13. V. S-CR (Do Not Adj.)		-64 ~ +63	-15 (Fixed)	-15 (Fixed)	←	←	0 (Fixed)	0 (Fixed)	←	←
14. V. CENTER (Fixed)		—	0 (Fixed)	0 (Fixed)	←	←	0 (Fixed)	0 (Fixed)	←	←

Adjustment of SUB COLOUR-II (Page 20)

Adjustment part	Description
5. COLOUR	
PAL COLOUR	Value (A) in the figure: Set to +6V (W & G).
SECAM COLOUR	Value (A) in the figure: Set to +6V (W & G).
NTSC 3.58 COLOUR	Value (A) in the figure: Set to +8V (W & G).

Adjustment of SUB TINT-II (Page 21)

Adjustment part	Description
6. TINT	
NTSC 3.58 TINT	Value (B) in the figure: Set to +5V (W & Cy).

■ VSM PRESET ADJUSTMENT (Page 23)

[Setting Values for SUB MENU 3. VSM PRESET]

Note: Do not adjust the items.

VSM preset mode Setting item	BRIGHT	STANDARD	SOFT
TINT SETTING VALUE	15	←	←
COLOUR SETTING VALUE	15	←	←
BRIGHT SETTING VALUE	15	←	←
CONT. SETTING VALUE	30	19	14
SHARP SETTING VALUE	20	←	15

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