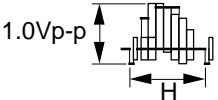
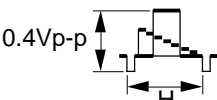
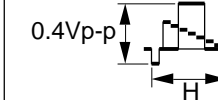
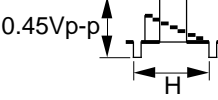
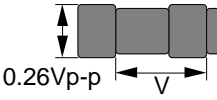
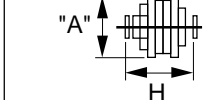
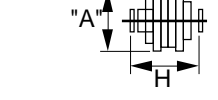
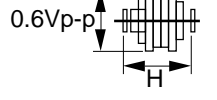
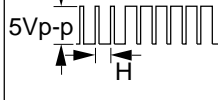
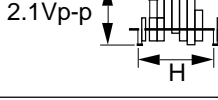
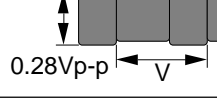
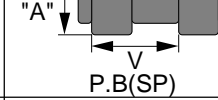
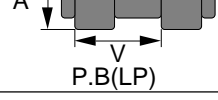
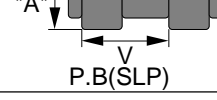
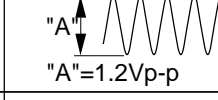
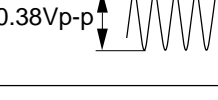
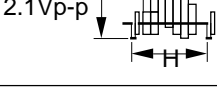
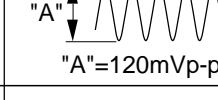
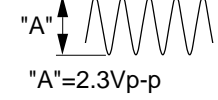
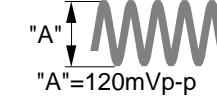
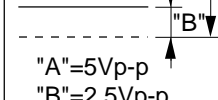
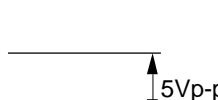



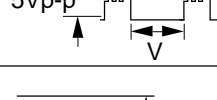
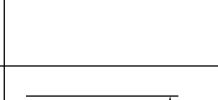
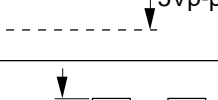
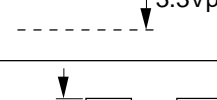
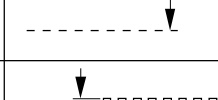
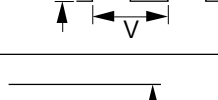
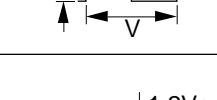
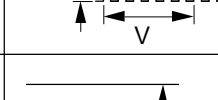
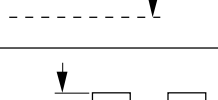





WAVEFORM OF VIDEO STAGE

*NOTE: 1. The measurement mode of the waveforms in brackets on this chart is Record and Playback modes with NTSC color bar signal.
2. Please use blank brackets to note additional information.

No	WAVEFORM	NOTE	No	WAVEFORM	NOTE	No	WAVEFORM	NOTE
V1 V2		REC	V3		REC/P.B	V4		P.B
V5		P.B	V6		P.B	V7		REC "A"= 0.24Vp-p P.B "A"= 0.34Vp-p
V8		REC "A"= 0.16Vp-p P.B "A"= 0.23Vp-p	V9		P.B	V10		REC/P.B
V11		REC/P.B	ⓑ		REC (SP/LP /SLP)	ⓑ		2HEAD "A"= 310mVp-p 4HEAD "A"= 480mVp-p P.B(SP)
ⓑ		2HEAD "A"= 210mVp-p 4HEAD "A"= 320mVp-p P.B(LP)	ⓑ		2HEAD "A"= 180mVp-p 4HEAD "A"= 240mVp-p P.B(SLP)	ⓒ		REC/P.B
ⓓ			ⓔ		REC/P.B	AU1 AU2		REC
AU3		REC	AU4		P.B	CT1		EE(H) /VV(M) /CUE/REV /SLOW /STILL(L)
CT2		LINE(H) /TUNER(L)	CT3		CUE/REV /SLOW /STILL (EE/VV= Low(0V))	CT4		REC(H) /PB(L)
CT5		AUDIO MUTE(H)	CT6		VIDEO DELAY REC(H)	CT7		REC "A"= 5.1Vp-p P.B "A"= 4.4Vp-p
ⓐ			ⓑ		STILL (SP)	ⓑ		CUE/REV
ⓑ		P.B (SLP(H))	ⓑ		P.B (SP(L))	ⓒ		VIDEO DELAY REC +12V
ⓓ			ⓓ		REC	ⓓ		2HEAD "A"= 4.8Vp-p 4HEAD "A"= 4.3Vp-p REC(SP/LP/SLP)

VIDEO CHECKING PROCEDURE

SYMPTOM	FLOW OF TROUBLESHOOT→								
	CHECK POINT	OSD	V1 or V2	CT2	CT1	CT3	V10	V11	
	IF NO.		↓	↓	↓	↓	↓	↓	
	CHANGE	* NOTE1	* NOTE2	* NOTE3	* NOTE4	* NOTE5	* NOTE6	IC3001	

* NOTE1: Check if OSD works OK. If not, check signal V11 at pin 25 of IC3001. If signal is OK, check IC3301.

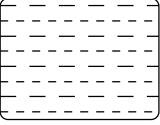
* NOTE2: Check UHF/VHF Tuner/TV Demodulator Ass'y or Video In Terminal.

* NOTE3: Check signal line and IC6001.

* NOTE4: Check Video EE(H) signal.

* NOTE5: Check if CT3 signal is Low. If not, check signal line and IC6001.

* NOTE6: Check if Sync signal is OK. If incorrect, change IC3001.

SYMPTOM	FLOW OF TROUBLESHOOT→									
	CHECK POINT	V1 or V2	CT2	CT1	TP3002	Ⓐ	Ⓑ	Ⓒ	TP3501	HEAD
	IF NO.	↓	↓	↓	↓		↓		↓	↓
	CHANGE	* NOTE1	* NOTE2	* NOTE3	IC3001 * NOTE4	* NOTE5	Check Signal Line	IC3501 * NOTE6	UPPER CYLINDER * NOTE7	

* NOTE1: Check UHF/VHF Tuner/TV Demodulator Ass'y or Video In Terminal.

* NOTE2: Check signal line and IC6001.

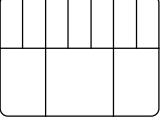
* NOTE3: Check Video EE(H) signal.

* NOTE4: Check CT4 signal is not Low(PB(L)). If High, change IC3001. If Low, check signal Line and IC6001.

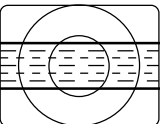
* NOTE5: Check Cylinder FG/PG signal at pin 66 of IC6001.

* NOTE6: Check if TP3501 is 4±1Vp-p. If not, change IC3501.

* NOTE7: Try head cleaning.

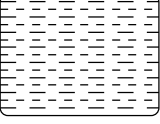
SYMPTOM	FLOW OF TROUBLESHOOT→								
	CHECK POINT	TP3002	V11						
	IF NO.	↓	↓						
	CHANGE	HEAD AMP	* NOTE1						

* NOTE1: Check V7 signal. If incorrect, change IC3001. If OK, check V8 signal. If V8 is not correct, change IC3201. If OK, change IC3001.

SYMPTOM	FLOW OF TROUBLESHOOT→							
	CHECK POINT	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓐ	Ⓑ	———
	IF NO.		↓			↓		↓
	CHANGE		UPPER CYLINDER * NOTE1			* NOTE2		SEE SERVO SECTION

* NOTE1: Try head cleaning.

* NOTE2: Check Cylinder FG/PG signal at pin 66 of IC6001.

SYMPTOM	FLOW OF TROUBLESHOOT→								
	CHECK POINT	TP3002	V11	TV					
	IF NO.	↓	↓	↓					
	CHANGE	* NOTE1	IC3001	* NOTE2					

* NOTE1: Try head cleaning and check Head Amp Shield Case or signals (d) to (g), (a) and (b).

* NOTE2: Check TV Main Circuit.