

							_	<u> </u>	
	PARTS LIST REPLACEMENT PARTS				REF. NO.	PART NO.	*	DESCRIPTION	CODE
	nerea	CEN	MENI PANIS		IC 1012	VHIPST529C2-1	s	· · · · · · · · · · · · · · · · · · ·	AD
Replac	ement parts which h	ave	special safety characteristic	cs are	IC 1013	VHIPST529C2-1	s		AD
identified in this manual. Electrical components having such features are identified by " \triangle " in the Replacement Parts Lists,					OPC0001	RH-IX1601BMZZ	Įŝ	TSL235	AH
The us	e of a substitute repla	cen	the heplacement Parts Lists tent part which does not have the factory recommended i	ve the		,,,,,		TRANSISTORS	
permit	ted. Replacement pa	ırtsı	not shown in this service m	anua!	Q 0201	VS2SC2412KQ-1	T_{s}	2SC2412	AA
may cr	eate shock, fire or of	her	hazards.		Q 0202	VS2SC2412KQ-1	5		AA
İ					Q 0203	V\$2\$A1037KQ-1	s	BC807	AA
	"HOW TO ORDE	RR	EPLACEMENT PARTS"		Ω 0209	RH-TX0102BMZZ	s	BC338	AB
To hav	e vour order comple	ted	promptly and correctly, ple	nea.	Q 0301 Q 0302	VS2SA1037KQ-1 VS2SC2412KQ-1	S	BC807	AA
supply	the following inform	atic	on.	a\$¢	Q 0303	VS2SA1037KQ-1	S	2SC2412 BC807	AA AA
	4 MACRE NUMBER				Q 0304	VS2SC2412KQ-1	S	2SC2412	AA
	 MODEL NUMBER PART NO. 	•	2. REF. NO. 4. DESCRIPTION		Q 0305	RH-TX0171BMZZ	s	IRFR9020	AD
	5. CODE		6. QUANTITY		Q 0306	RH-TX01728MZZ	s	IRFR010	AD
					Q 0307	VS2SA1037KQ-1	S	BC807	AA
	★ MARK: SPARE I	PAR	TS DELIVERY SECTION		Q 0308 Q 0309	VS2SC2412KQ-1 VS2SC2412KQ-1	S	2SC2412	AA
REF. NO.	PART NO.	*	DESCRIPTION	CODE	Q 0310	VS2SC2412KQ-1	\$	2SC2412 BC807	AA AA
	TAIT NO.		DESCRIPTION	CODE	Q 0311	RH-TX0171BMZZ	S	IRFR9020	AD
	PIC	TUI	RE TUBE		Q 0312	RH-TX0172BMZZ	s	IRFR101	AD
		-			Q 0313	V\$2SC2412KQ-1	S	2SC2412	AA
	VB59EAK7111*N	s		cw	Q 0314	V\$2\$C2412KQ-1	S	2SC2412	AA
	VB66EAK7111*N	S	C.R.T. 28"	CW	Q 0315 Q 0401	VS2SA1037KQ-1 RH-TX0102BMZZ	S	BC807	AA
	CCILG0403BMV0	S	Degaussing Coil 25"	AT	Q 0402	VS2SC2412KQ-1	S	BC338 2SC2412	AB AA
	CCIEG0404BIVIVI)		Degaussing Coil 28"	AV	Q 0403	VS2SC2412KQ-1	s	2SC2412	AA
	PRINTED WIRIN	IG E	OARD ASSEMBLIES		Q 0451	VS2SA1037KQ-1	S	BC807	AA
		Ļ			Q 0501	V\$2\$C2412KQ-1	S	2SC2412	AA
PWB-A	DUNTK7206CJV4	\$	Mother Unit 59CS05H	-	Q 0502	VS2SA1037KQ-1	S	BC807	AA
	DUNTK7206CJV2	s	Mother Unit 66CS05H	-	Q 0503 Q 0504	VS2SA1037KQ-1 VS2SC2412KQ-1	S	BC807 2SC2412	AA
PWB-B	DUNTK7207BMV4	S	Socket Unit 59CS05H	٠,	Q 0505	VS2SC2412KQ-1 VS2SA1037KQ-1	S	BC807	AA AA
PWB-C	DUNTK7207BMV2	S	Socket Unit 66CS05H	. [Q 0507	RH-TX0147BMZZ	S	2SA1797T100/Ω	AD
FWB-C	DUNTK7196BMV0	S	SRS Unit		Q 0508	RH-TX0151BMZZ	S	2SD2391Q	AD
PWB-A			MOTHER UNIT		Q 0509	RH-TX0149BMZZ	S	2SB1561	AD
					Q 0510	VS2SC2412KQ-1 VS2SC2412KQ-1	S	2SC2412	AA
			TUNER		Q 0511 Q 0512	RH-TX0150BMZZ	S	2SC2412 2SA1900T100/Q	AA AC
	NOTE:	The	parts shown here are suppli	ed	Q 0513	VS2SA1037KQ-1	s	BC807	AA
	as an a	sser	nbly but not separately.		Q 0601	RH-TX0144BMZZ	s	BUH 515	AK
TH 0201	RTUNH0112BMZZ	s	Tuner	BD	O 0603	RH-TX0146BMZZ	S	2SD2153T100/W	AD
		<u> </u>		60	Q 0605 Q 0606	RH-TX0152BMZZ	S	BC846BLT1	AA
			INTEGRATED CIRCUITS		Q 0607	RH-TX0149BMZZ RH-TX0152BMZZ	S	2SB1561 BC846BLT1	AD AA
IC 0201	RH-IX1582BMZZ	s	TDA 8375A	ВВ	Q 0701	RH-TX0166BMZZ	S	2SK2605	AK
IC 0301	RH-IX1592BMZZ	S	MSP3400C-PS-C6	BA I	Q 0702	RH-TX0102BMZZ	S	BC338	AB
IC 0302	VHIM5218L//-1	S	M5218L	AF	Q 0703	RH-TX0102BMZZ	S	BC338	AB
IC 0303	RH-IX1556BMZZ	s	BA10393	AD	Q 0704	RH-TX0130BMZZ	S	BC338-40	AB
IC 0401	1	S	MGTEXT SDA5273C26	AN	Q 0705 Q 0706	VS2SC2412KQ-1 VS2SC2412KQ-1	S	2SC2412 2SC2412	AA AA
IC 0403 IC 0501		S	HEF4053	AE .	Q 0707	RH-TX0130BMZZ	5	BC338-40	AB
△ IC 0701	RH-IX1556BMZZ RH-FX0103BMZZ	S	BA10393S0P8 OPTOCOUPLER MOC8105SR2V	AD AD	Q 0709	VS2SC2412KQ-1	S	2SC2412	AA
IC 0801	RH-IX1460BMZZ	s	TEA 5114A	AL	Q 0711	VS2SC2412KQ-1	S	2SC2412	AA
	RH-IX1583BMZZ	S	TDA 4665T	AM	0.0712	VS2SA1037KQ-1	S	BC807	AA
IC 1001	RH-IX1598BMZZ	S	SAB-C502	AX	Q 0801 Q 0802	VS2SC2412KQ-1 VS2SC2412KQ-1	S		AA
IC 1002	RH-IX1588BMZZ	S	NVM 24C16	AQ	Q 0901	V\$2SC2412KQ-1	S	2SC2412 2SC2412	AA A
IC 1003 IC 1004	RH-IX0037CEZZ	S	UPC574J 33V	AD	Q 1001	VS2SC2412KQ-1	s	2SC2412	AA
IC 1004	CH-IX1507CJHA CH-IX1507CJH6	S	EPROM 59CS-05H EPROM 66CS-05H	AQ AK	Q 1012	VS2SC2412KQ-1	s	2SC2412	AA
IC 1004	RH-IX1485BMZZ	s	SN74ALS 573	AK					
IC 1006	RH-IX1474BMZZ	s	HEF4021BT	AE				DIODES	
IC 1007	RH-IX1475BMZZ	S	HEF4094BT	AE			T"]	 .	
△ IC 1008	RH-FX0103BMZZ	\$	MOC8105\$R2V	AD	D 0201	RH-DX0551BMZZ	s	LL4148	AA
△IC 1009	RH-FX0103BMZZ RH-IX1559BMZZ	S	MOC8105SR2V ST6210BM	AD AU	D 0202 D 0203	RH-EX0550BMZZ	1 1	Zener 8.2V	AA
12 1010	THE IX 1000DINIZZ		O TOZ TODIYI	MU	D 0203	RH-DX0551BMZZ	S	LL4148	AA

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REF. NO.	PART NO.	*	DESCRIPTION	CODE	REF. NO.	PART NO.	*	DESCRIPTION	CODE
D 0204	RH-DX0551BMZZ	s	LL4148	AA	D 0621	RH-EX0552BMZZ	s	Zener 10V	AB
D 0206	RH-EX0550BMZZ	s	Zener 8.2V	AA	D 0701	RH-DX0555BMZZ	s	RF2005	AB
D 0207	RH-EX0550BMZZ	s	Zener 8.2V	AA	D 0702	RH-DX0555BMZZ	s	RF2005	AB
D 0301	RH-EX0561BMZZ	S	Żener 24V	AA	D 0703	RH-DX0555BMZZ	S	RF2005	AB
D 0302	RH-EX0561BMZZ	S	Zener 24V	AA	D 0704	RH-DX0555BMZZ	s	RF2005	J AB
D 0303	RH-EX0561BMZZ	S	Zener 24V	AA	D 0705	RH-DX0539BMZZ	S	BYT52M	AC
D 0304	RH-EX0561BMZZ	S	Zener 24V	AA	D 0706	RH-DX0551BMZZ	S	LL4148	AA
D 0305	RH-DX0533BMZZ	S	1N5819	AD	D 0707	RH-EX0546BMZZ	S	Zener 5.6V	AA
D 0306	RH-DX0533BMZZ	S	1N5819	AD	D 0708	RH-DX0561BMZZ	S	RGP15J	AD
D 0307	RH-DX0533BMZZ	S	1N5819	ΑĎ	D 0709	RH-DX0529BMZZ	S	1N4935	AB
D 0308	RH-DX0533BMZZ	S	1N5819	ΑĎ	D 0710	RH-DX0529BMZZ	S	1N4935	AB
D 0311	RH-DX0551BMZZ	S	LL4148	AA	D 0711	RH-DX0555BMZZ	S	RF2005	AB
D 0312	RH-DX0551BMZZ	S	LL4148	AA	D 0712	RH-DX0533BMZZ	S	1N5819	AD
D 0313	VHDDAN202K/-1	S	DAN 202K	AB	D 0713	RH-EX0583BMZZ	S	Zener 5.6V 2%	AA
D 0314	RH-DX0551BMZZ	S	LL4148	AA	D 0714	RH-EX0545BMZZ	S	Zener 5.1V	AA
D 0315	RH-DX0551BMZZ	\$	LL4148	AA	D 0715	RH-DX0551BMZZ	S	LL4148	AA
D 0316	RH-DX0551BMZZ	S	LL4148	AA	D 0716	RH-DX0551BMZZ	S	LL4148	AA
D 0317	RH-DX0551BMZZ	S	LL4148	AA	D 0717	RH-EX04828MZZ	S	Zener BZX79 B6.2V	AA
D 0318	RH-DX0551BMZZ	S	LL4148	AA	D 0718	RH-EX04198MZZ	S	Zener BZX79C15V	AB
D 0319	RH-EX0547BMZZ	S	Zener 6.2V	AB	D 0719	RH-DX0529BMZZ	S	1N4935	AB
D 0320	RH-EX0547BMZZ	S	Zener 6.2V	AB	D 0720	RH-DX0045BMZZ	S	1N4148	AA
D 0333	RH-EX0544BMZZ	S	Zener 4.7V	AA	D 0721	RH-DX0551BMZZ	S	LL4148	AA
D 0401	RH-EX0412BMZZ	S	Zener 7.5V	AA	D 0724	RH-DX0559BMZZ	S	BAS12	AC
D 0402	RH-EX0549BMZZ	S	Zener 7.5V	AA AA	D 0725	RH-DX0559BMZZ	S	BAS12	AC
D 0403	RH-DX0551BMZZ	S	LL4148	AA	D 0801	RH-EX0545BMZZ	\$	Zener 5.1V	AA
D 0404 D 0405	RH-DX0551BMZZ	S	LL4148 Zener 8.2V	AA	D 0802	RH-DX0558BMZZ	S	BAV103	AA AA
D 0406	RH-EX0550BMZZ RH-EX0549BMZZ	S	Zener 7.5V	AA	D 0803	RH-DX0551BMZZ RH-EX0549BMZZ	S	LL4148 Zener 7.5V	AA
D 0408	RH-EX0549BMZZ	s	Zener 7.5V	AA	D 0804 D 0805	RH-DX0551BMZZ	S	LL4148	AA
D 0408	RH-EX0549BMZZ	S	Zener 7.5V	AA	D 0806	RH-EX0549BMZZ	S	Zener 7.5V	AA
D 0409	RH-EX0549BMZZ	s	Zener 7.5V	AA	D 0807	RH-EX0549BMZZ	S	Zener 7.5V	AA
D 0410	RH-EX0549BMZZ	s	Zener 7.5V	AA	D 0808	RH-EX0549BMZZ	S	Zener 7.5V	AA
D 0411	RH-EX0549BMZZ	s	Zener 7.5V	AA	D 1001	RH-EX0546BMZZ	\$	Zener 5.6V	AA
D 0411	RH-EX0551BMZZ	s	LL4148	AA	D 1001	RH-EX0546BMZZ	S	Zener 5.6V	AA
D 0413	RH-EX0548BMZZ	s	Zener 6.8V	AA	D 1002	RH-DX0551BMZZ	5	LL4148	AA
D 0451	RH-EX0402BMZZ	s	Zener 3.0V	AB	D 1051	RH-PX0102BMZZ	s	LED	AC
D 0452	RH-DX0551BMZZ	s	LL4148	AA	D 1101	RH-EX0545BMZZ	s	Zener 5.1V	AA
D 0501	RH-EX0558BMZZ	s	Zener 18V	AA	D 1102	RH-DX0045BMZZ	s	1N4148	ДД
D 0502	RH-EX0558BMZZ	s	Zener 18V	AA	D 1103	RH-EX0545BMZZ	s	Zener 5.1V	AA
D 0504	RH-DX0551BMZZ	s	LL4148	AA	D 1104	RH-EX0545BMZZ	S	Zener 5.1V	l AA
D 0505	RH-DX0533BMZZ	s	1N5819	AD	D 1105		s	LL4148	AA
D 0506	RH-EX0558BMZZ	s	Zener 18V	AA					
D 0507	RH-DX0528BMZZ	S	1N4934	AA				PACKAGED CIRCUIT	
D 0509	RH-DX0539BMZZ	s	Zener 3V	AB			, <u>.</u>	TACKAGED CITCOTT	
D 0511	RH-DX0551BMZZ	S	LL4148	AA	PR 0701	RMPTP0028CEZZ	s	PTC	AG
D 0512	RH-DX0528BMZZ	\$	1N4934	AA	X 0301	RCRSB0203BMZZ	s	Crystal 18,432 MHz	AG
D 0513	RH-DX0501BMZZ	S	1N4004	AA	X 0451	RCRSB0214BMZZ	s	Crystal 20.48 MHz	AH
D 0514	RH-DX0551BMZZ	S	LL4148	AA	X 0801	RCRSB0115BMZZ	s	Crystal 4.43 MHz	AG
D 0516	RH-DX0045BMZZ	S	1N4148	AA	X 1001		S	Crystal 11.0592 MHz	AG
D 0601	RH-DX0529BMZZ	\$	1N4935	AB		11011000200011122	Ľ	01,0101 111000 11111	
D 0602	RH-DX0551BMZZ	S	LL4148	AA	ŀ			COILS	
D 0603	RH-DX0551BMZZ	S	LL4148	AA		,	_		
D 0604	RH-DX05308MZZ	S	1N4936	AA	•				l .
D 0605	RH-DX0299BMZZ	S	BY228-20	AE	L 0201	VP-NM100KR42N	S	10 μΗ	AC
D 0606	RH-DX0301BMZZ	S	BY299	AD	L 0202	VP-NM100KR42N	S	10 μΗ	AC
D 0607	RH-DX0529BMZZ	S	1N4935	AB	L 0203	VP-DF470K0000	S	47 μH	AB
D 0608	RH-EX0550BMZZ	S	Zener 8.2V	AA	L 0205	RCILP02248MZZ	\$	40.11	AE
D 0609	RH-DX0527BMZZ	S	1N4933	AA	L 0301	VP-DF100K0000	S	10 µН	AB
D 0610	RH-DX0528BMZZ	S	1N4934	AA	L 0306	VP-NM680K3R5N	S		AC
D 0611	RH-DX0551BMZZ	S	LL4148	AA	L 0307	VP-NM680K3R5N	S		AC
D 0612	RH-DX0505BMZZ	\$	1N4935	AB	L 0310	RCILP0236BMZZ	S		DA !
D 0614	RH-EX0545BMZZ	S	Zener 5.1V	AA	L 0311	RCILP0236BMZZ	S		AQ
D 0615	RH-DX0551BMZZ	S	LL4148	AA	L 0312	RCILP0236BMZZ	S		AQ
D 0616	RH-DX0551BMZZ	S	LL4148	AA	L 0313	RCILP0236BMZZ	S	33.14	AQ
D 0617	RH-EX0568BMZZ	S	Zener 47V	AA	L 0401	VP-DF3R3K0000	S	3.3 μH	AB AB
D 0618	RH-EX0542BMZZ	S	Zener 3.9V	AA AA	L 0402 L 0404	VP-NM1R0MR10N VP-NM1R0MR10N	\$	1 μH 1 μH	AB AB
D 0619	RH-EX0562BMZZ	13	Zener 27V	^^	L 0404	21 -34M HIGHINITON	٦	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	

Description Code Ref. No. Part No.	מבר אים	DADT NO		necopir	OTION!	CODE	REF. NO.	PART NO.	*	DESCRIPTION	CODE
1.0463 Py-NMSRMM10N S 1 µH AB CO703 RCK20020ECZZ S 0.01 250V Ceramic AC	REF. NO.	PART NO.	*	DESCRIP	TIUN				\vdash		
1.0009 VP.NMIROMITION S 1 µH	L 0406	VP-NM1R0MR10N	s	1 μΗ						,	
L 0.090 VP_NMSDMR18NN S 1, H AB C 0.706 RCXC0028CEZ S 2.03 BW Electrolytic AS L 0.091 RCLE0244BMZ S Delay Line AB C 0.706 RCXC0038CEZ S 220 BW Electrolytic AS RCLE0244BMZ S Delay Line AB C 0.706 RCXC0038CEZ S 200 BW Malar AB RCLE0237BMZ S Delay Line AB C 0.706 RCXC0038CEZ S Delay Line AB C 0.707 RCXC0038CEZ S Delay Control AC Delay Control AB RCXC0038CEZ S Delay Control AB RCXC003	I										
1.095 Ver Novamannennennennennennennennennennennennenne	I		1 1								
Description Color	I		1 1	•			1	···•			
Delign RCILEPISSSEEZE S Delay Line				3.3 µH						·	
Company Com	l I	-		Dalaulina					1 1	•	
LOBOR RICLEOTOTOCEZZ S AG C 0712 VCEAGAIRWZZYM S 200 Z5V Electrolytic AC LOBOR VCEAGAIRWZZYM S				Delay Line							
L D696 RCILEP3378MZZ S S AB C C0714 C CEAGA1AWY08M S 1000 16V Electrolytic AD L D697 V PC-ER38100000 S 3.3 H AB ∆ C C0714 C CACGA1AWY08M S 1000 16V Electrolytic AD C C0718 C CACGA1AWY08M S 200 24V C Ceramic AD C C0718 C CACGA1AWY08M S 200 24V C Ceramic AD C C0718 C CACGA1AWY08M S 200 24V C Ceramic AD C C0718 C CACGA1AWY08M S 200 24V C Ceramic AD C C0724 C CACGA1AWY08M S 1000 25V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 50V Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C CACGA1AWY08M S 1000 S Electrolytic AD C C0724 C										•	
L D809 V-C-ERRISCOOD S 3.3 µ AB C 0717 V-CEAGA1AWTORM S 1000 10V Electrolytic AC L D809 V-C-ERRISCOOD S 3.7 µ AB C 0717 V-CEAGA1EWTORM S 1000 25V Electrolytic AC L D810 RDR-0723CSEZ S Pauk CGI AD L D810 V-C-ERRISCOOD S AT H AB C 0717 V-CEAGA1EWTORM S 1000 25V Electrolytic AD L D810 RDR-0723CSEZ S Pauk CGI AD L D810 V-C-ERRISCOOD S Full AB C 0717 V-C-EAGA1EWTORM S 1000 25V Electrolytic AD L D810 V-C-ERRISCOOD S Full AB C 0723 V-C-EAGA1EWTORM S 1000 25V Electrolytic AD L D810 V-C-ERRISCOOD S Full AB C 0723 V-C-EAGA1EWTORM S 1001 25V Ceramic AC L D810 V-C-ERRISCOOD S Full AB C 0723 C C-EAGA1EWTORM S 1001 25V Ceramic AC L D810 V-C-ERRISCOOD S Full AB C 0723 C C-EAGA1EWTORM S 1001 25V Ceramic AC L D810 V-C-ERRISCOOD S Full AB C 0723 C C-EAGA1EWTORM S 1001 63V Ceramic AC C D810 V-C-ERRISCOOD S Full AB C 0723 C C-EAGA1EWTORM S 1001 63V Electrolytic AB L D810 V-C-ERRISCOOD S Full AB C 0723 C C-EAGA1EWTORM S 1001 63V Electrolytic AB A T000 RTIRNIZOSEBMZ S F.E.T. BC C C 0800 V-C-EAGA1EWTORM S 1001 63V Electrolytic AC C 0225 V-C-EAGA1EWTORM S 3001 Electrolytic AC C 0237 V-C-UTIVIL-JSRC S Electrolytic AC C 0238 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0239 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0230 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0231 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0232 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0233 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0234 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0235 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0236 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0236 V-C-EAGA1EWTORM S 1001 Electrolytic AC C 0236 V-C-EAGA1EWTOR	,		1 1			(1			9 1	•	
LOBG VP-CERTISCODO S				3.3 uH		1 .		VCEAGA1AW108M	s	1000 10V Electrolytic	AC
L 0690 VP-CF4R7K0000 S A7 H A8 C 0719 RCX2003F0EZZ S 200 28V Ceramic AC L 07011 RCILIZ01118M7Z S Line Filter AL C 07012 VCEAGA1EW109M S 100 25V Electrolytic AD C 0702 VCEAGA1EW109M S 000 25V Electrolytic AD C 0702 VCEAGA1EW109M S 001 25V Electrolytic AD C 0702 VCEAGA1EW109M S 000 6.3V Electrolytic AD C 0702 VCEAGA1EW109M S 000 C 0702						АВ	△C 0717	RC-KZ0156CEZZ	s	3300p 4kV Ceramic	AD
L 0610 RCILPO225CZZ S Poek Col AD C0779 VCEAGATEVTIORM S 1000 26V Effectivity AD L07072 RCILCO1118M2Z S Line Filter AD C0722 VCEAGATAV107M S 100 10V Effectivity AD C0724 VCEAGATAV107M S 100 10V Effectivity AD VCEAGATAV107M S 100 10V Effectivity AD C0724 VCEAGATAV107M S 100 10V Effectivity AD C0724 VCEAGATAV107M S 100 10V Effectivity AD VCEAGATAV107M S VCE	I			•		AB	C 0718	RC-KZ0035CEZZ	\$	220p 2kV Ceramic	AC
C 0722 CCLRP0110CEZZ S C C C C C C C C C	I		s	Peak Coil		AD	C 0719	VCEAGA1EW108M		1000 25V Electrolytic	AD
1.0761 RCILIPO110CEZZ S 1.0761 VP-CFFRRX0000 VP-CFFRRX0000 S 1.0761 VP-CFFRRX0000 S 1.0761 VP-CFFRRX0000 S 1.0761 VP-CFFRRX0000 S 1.0761 VP-CFFRRX0000 VP-CFFRRX0000 S 1.0761 VP-CFFRRX00000 S 1.0761 VP-CFFRRX000000 S 1.0761 VP-CFFRRX000000 S 1.0761 VP-CFFRRX000000 S 1.0761 VP-CFFRRX0000000000000000000000000000000000		RCILZ0111BMZZ	S	Line Filter		AL	C 0720	VCEAGA1EW108M		·	3 I
C 0705	L 0702	RCILP0110CEZZ				AD			1 1		1 1
C705 VP-CFIGRO0000 S	1.0703	RCILP0110CEZZ				1					
L 10708 VP-NM100KRARN S S Dul	L 0704			•		1 1					l I
C 1861 V V V V V V V V V				•						-	1 1
C 1102 VCEAGA1AW107M S 100 10V Electrolytic AA	1	1							1		{
CF 0301 RFILC0023CEZZ SF 0201 RFILC00121GEZZ SF 0201 RFILC00121GEZ RFILC	L 0801	VP-NM100KR42N	S	10 μΗ		L AC				,	l I
C				CERAMIC FIL	TERS		C 102	VCEAGA IAVVIO/IVI	3		
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REF. NO.	PART NO.	*	DECORIDATION	CODE	REF. NO.		Ι.		
		+			REF. NO.	PART NO.	*		CODE
(S) 0000 A F 0701	QPLGN0441CEZZ QFS-C3226CEZZ	s s	Connector 3.15A 250V Fuse	AB AE				TRANSISTORS	,
FB 0304	RBLN-0037CEZZ	s	Ferrite Beat	AB	C 3510	VCEAGA1CW108M	s	1000 16V Electrolytic	AE
FB 0701	RBLN-0037CEZZ	S	Ferrite Beat	AB	C 3511	RC-FZ9474BMNJ	J	0.47 63V Mylar	AD
FB 0702	RBLN-0037CEZZ	S	Ferrite Bead	AB	C 3521	VCEAGA1CW108M	S		AE
FB 0703 J 0301	RBLN-0037CEZZ QJAKJ0047CEZZ	S	Ferrite Bead	AB AG	C 3530	VCEAGA1AW227M	S	220 10v Electrolytic	AB
△ S 0701	QSW-P0600BMZZ	S	Earphone Jack Power Switch	AL					
S 1001	QSW-K0079GEZZ	S	Push Button (CH+)	AB		MISCELL	A NI	EOUS PARTS	
S 1002	QSW-K0079GEZZ	s	Push Button (CH-)	AB		IVIISOELE		2003 FARTS	
S 1003	QSW-K0079GEZZ	S	Push Button (VOL+)	AB		RSP-Z0001BMN0	s	Speaker Box	65
S 1004	QSW-K0079GEZZ	s	Push Button (VOL-)	AB	Δ	CACCB5007BMV0	S	i ·	BE AU
LP 1001	RLAMP0001BMZZ	S	Neon Lamp	AC		TINS-6431BMN1	S		AG
		[RRMCG1058BMSA	s		BB
PWB-B			CRT SOCKET UNIT						
			TRANSISTORS			CABI	NE	T PARTS	
Q 0870	RH-TX0157BMZZ	s	BFN20	AD	1	CCABA1176BMV0	s	Front Cabinet 59CS-05H	
Q 0871	RH-TX0157BMZZ	s	8FN20	AD	1	CCABA1167BMV0	5	·	
0.0872	RH-TX0157BMZZ	s	BFN20	AD	1-1	GDORF1045BMSB	S	1	AE
Q 0873	RH-RX0155BMZZ	s	BFN23	AB	1-2	GMADT1065BMSA	s	1	AG
Q 0874	RH-TX0155BMZZ	S	BFN23	AB	1-3	HBDGB3508BMSA	s		АН
Q 0875	RH-TX0155BMZZ	S	BFN23	AB	1-3	HBDGB3013MESA	s	*	AG
Q 0876	RH-TX0156BMZZ	s	BFN22	AB	1-4	HINDP5077BMSA	S	1 -	AE
Q 0877	RH-TX0156BMZZ	S	BFN22	AB	1-5	JBTN-1029BMSB	\$		AC
Q 0878	RH-TX0156BMZZ	s	BFN22	AB	1-6	JBTN-1028BMSB	1		AC AC
Q 0879	V\$2\$A1037KQ-1	S	BC807	AA	2		S	· '	BB
	<u>,</u>				2	CCABB1046BMV2	S	Rear Cabinet 59CS-05H	BC
			DIODES			CCABB1045BMV1	5	Rear Cabinet 66CS-05H	
D 0870	VHDDAP202K/-1	s	DAP202K	АВ					
D 0871	VHDDAP202K/-1	s	DAP202K	AB					1
D 0872	VHDDAP202K/-1	s	DAP202K	AB					
D 0873	RH-DX0551BMZZ	s	LL4148	AA					
D 0874	RH-DX0551BMZZ	S	LL4148	AA					
D 0875	RH-EX0562BMZZ	S	Zener 27V	AA					
	 		COILS	<u> </u>					
	<u> </u>						./	(2)	
L 0881	VP-CF120K0000	\$	12 µН	AC			_)
		Fl	CAPACITORS						
								·	
C 0874	VCKYPA2HB102K	s	1000p 500 V Ceramic	AA				.	•
C 0876	RC-KZ0023CEZZ	s	4700p 2 kV Ceramic	AD					Ì
C 08 78	VCEAGA2DW476M	s	47 200 V Electrolytic	AE					
			DECICTORS			1	6		
I			RESISTORS				Ų	1-3)	
R 0889	RR-XZ01368MZZ	S	1K 1/3W Fuse Resistor	AA				HARP	· '
'			MISCELLANEOUS PARTS		7		I	- 00000	,
Δ	QSOCV0103BMZZ	\$	CRT Socket	АН		(1-1)	\ \ (1-4	4) (1-2) (1-6) (1-5)	
PWB-C			SR\$ UNIT)		
			INTEGRATED CIRCUITS						
IC 3500	VHISRS5250S-1	s	SRS 5250S	AX					



CTV990113

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Classification:

TELEVISION TECHNICAL BULLETIN

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MODELS 51CS03H 51CS05H 59CS03H 59CS	S05H
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59CSD8H 66CS03H 66CS05H 66CSD8H

Symptom Possible Remedy

Dead no sound or vision)

Doda no count or vicion)	
Q701 & Q601 failed *	D609, D610, D720, D718, Q702, Q703, C601, C604, C619, C714, C708, R706, R707, R720 and inspect scan
	coils and scan coil socket for bad connections.
Q601 failed	D609, D610, C601, C604, C619 and inspect scan
	coils/scan coil socket for bad connections.
Q601 s/c and failure of audio o/p stage	Q601 failed due to missing - 16V rail (supply to o/p stage). Leave Q601 out of circuit until you have confirmed that both the +16V and the -16V rails are correct.
No voltage at Q701 drain	Technical Bulletin CTV970201 (Issued Feb 97)
NICAM LED on or flashing (aerial disconnected)	See flowchart on page 2

HT rail present, no line drive, NICAM 3-6 seconds then goes off (ariel disc		Check R611 and IC201		
Keeps switching to standby	orii iootoa)	Check audio output stage for a short circuit		
HT rail missing-unsolder pin 2 of LOPTX and measure the HT rail	OV	Power supply not running (check CTV is not in standby mode		
	20V-40V	Short on one of the secondary LT supply rails e.g. audio o/p stage		
	110V-150V	Short circuit on line o/p stage		
Line drive pulsating		IC401 not communicating with micro		
Line drive pulsating and R628 (R634 models) burning	in later	Q704 (low standby/sound 5V rail)		
Slow start up i.e. more than 3-6 seco line oscillator to start depending on n		C714 (please ensure that this is replaced with the specified part)		

Audio Problems

Intermittent sound	Technical Bulletin CTV970203 or CTV980204
Whistle on the Audio (later models only)	Damage print feeding 40V to R368
Distorted sound	IC301 (MSP3410)

Vertical O/P Stage Faults

romoa. or. orago raumo	
No or intermittent vertical output	Technical Bulletin CTV970207 (Issued Feb 97)
Failure of vertical output stage	Technical Bulletin CTV970202 (Issued Feb 97) & check Q507/8/9
Intermittent frame cramping	Replace D501, D502, D507, D512, C506 & C507
Rainbow effect (no line pulses at IC501 pin 2)	C501
Rainbow effect and R628 (R634 in later models) open	R631 or R632 fusible resistors
circuit	







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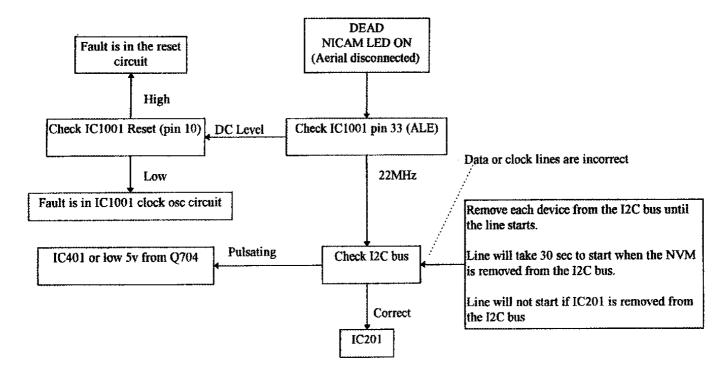
TELEVISION TECHNICAL BULLETIN

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Symptom Possible Remedy

Other Problems

East West correction	Check D605, D612, D619, D621 & R628 (R634 in
	later models)
Blank raster and flyback lines when hot	Technical Bulletin CTV970204 (issued Feb 97)
Blank raster (no sandcastle pulse)	D602
Tuner drift	Technical Bulletin CTV970806 (Issued Feb 97)



Notes

- D609 & D610 may not read faulty. 1.
- Q601, IC201 & C601 are different devices in the 51cm than the larger models. 2.
- Before replacing IC201 ensure that 8V is present on all three supply pins (22,23 & 53) 3.
- The value of R706 in the 59CS05 & 66CS05 models is 0.330hm. 4.
- CTV must be tuned to CH69 and receiving a signal before the IF PLL (ACF) is carried out. 5.
- For alternative 45V and Audio Mute circuits (??CS)3H models only) refer to ??CSO5H service manual. 6.
- 7. Some exchange PWB will have a single 4 pin socket instead of two 2 pin sockets for the loudspeaker connections. Carefully trim the two 2 pin plug to enable them to fit into the single 4 pin socket.
 - * These parts except for R707 & R720 are available as a kit. Part numbers are:

51 CSCHASSISKIT 51 cm models **59 CSCHASSISKIT** 59/66cm models

