General Information

BCTV-A Chassis

Matrix

Item	See Model	Book
Service Adjustments	Sharp DV 5935H	3
AV Unit	Sharp DV 5935H	3
Mains Filter	Sharp DV 5935H	3
Speaker Unit	Sharp DV 5935H	3

Important Service Notes

Maintenance and repair of this receiver should be done by qualified service personnel only.

Warning
The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing the chassis.
To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Servicing of High Voltage and Picture Tube.
When servicing the high voltage system, remove static charge from it by connecting a 10 k W Resistor in series with an insulated wire (such as a test probe) between picture tube ground tag and high voltage lead (AC line cord should be disconnected from AC outlet)

1: Picture tube in this receiver employs integral implosion protection.
2: Replace with tube of the same type number for continued safety.
3: Do not lift picture tube by the neck.
4: Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-Ray
This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range the following precautions should be observed:

1:When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kv, (at beam 1000µA) for the set.
2:To keep the set in a normal operation, be sure to make it function on 25.7 kv ± 1.5 kv (at beam 1300 µA) in the case of the set. The set has been factory - Adjusted to the above mentioned high voltage. If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3: Do not substitute a picture tube with unauthorised types and/or brands which may cause excess X-ray radiation.

Before Returning the Receiver
Before returning the receiver to the user, perform the following safety checks.

1:Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2:Inspect all protective devices such as non-metallic control knobs, insulating fish papers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

Service Mode
In addition to the method shown under model DV 5935H, service mode may be implemented by the following method.

1: Insure that receiver is switched off.
2: On the front of the receiver, simultaneously press and hold ▼◢ (volume down) and CH ▲ (channel up) whilst switching on the power switch.
3: After switching on keep the two buttons depressed for three seconds before releasing.

Continue as shown under DV 5935H

Recommended Safety Parts

Item	Part No.	Description
	VB66EAK25211E	CRT
	CCILG0304WEV1	Degaussing Coil
IC 0704	VHISE140N//-1	SE140N
IC 0705	RH-FX0101BMZZ	MOC8101T
T 0600	RTRNF2025BMZZ	F.B.T
T 0700	RTRNZ0519BMZZ	Chopper
C 0732	RC-KZ0156CEZZ	3300p 4kV Ceramic
R 0729, 0730	VRC-UA2HG825K	8.2 M 1/2 W Solid
	QSOCV0919CEZZ	CRT Socket
S 0701	QSW-P0566CEZZ	Power Switch
VA 1700	RH-VX0033CEZZ	Varistor
L 1701, 1702	RCILF0108BMZZ	
C 1701, 1702	RC-FZ0070BMZZ	0.1 300 V Mylar
R 1700	RR-DZ0013CEZZ	3.3 M
F 1700	QSF-C2050BMZZ	Fuse
(A),(B)	QPLGN0304CEZZ	Connector
(AA)	QPLGN0404CEZZ	Connector
(G)	QPLGN0207CEZZ	Connector
	CACCB5001BMV1	AC Cord
	VB66EAK25211E	CRT 28"
	CCILG0304WEV1	Degaussing Coil
	QSOCV0919CEZZ	CRT Socket

Audio Diagram

Remote Control Diagram

Control Diagram

IF Diagram

CRT Diagram

Main Diagram

Video Diagram