

# **HITACHI** **SERVICE MANUAL**

**TY**
**No.487E**
**CP-35,45R,55R**  
**EX(S,V,Z),AU,H,HC,BS**
**HP-88 chassis**


The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers. Critical parts are marked with  $\Delta$  in the circuit diagram and printed wiring board.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

## **SPECIFICATIONS**

### **GENERAL SPECIFICATIONS**

Power supply:	DC: 2.4 V Battery Pack
	DC: 3 V ("AAA" cell (IEC R03) x 2) optional
	AC: Use 3V AC adaptor (A330W-except UK) (A-330E or A-330E (UK)) for UK)
Magnetic head:	REC/PLAY head x 1 Erase head x 1 (CP-55R) PLAY head x 1 (CP-35/45R)
Battery life when using cassette continuously:	1.5 hours
Recording time:	2.5 hours
Playback time (at volume level 7):	25 mW + 25 mW/16 ohms
Output:	113.5(H) x 80(W) x 26(D) mm (CP-35)
Dimensions:	113.5(H) x 80(W) x 27(D) mm (CP-45R/55R)
Weight:	240 g (with Battery Pack) CP-35 260 g (with Battery Pack) CP-45R 270 g (with Battery Pack) CP-55R

Current consumption:

\* indicates CP-55R only.

Power supply 3.35 V (charging),  
volume min.

	Radio ON	Radio OFF
Tape OFF	160 mA	50 mA
Playback	230 mA	169 mA
Record	*260 mA	*205 mA

Power supply 2.6 V, volume min.

	Radio ON	Radio OFF
Tape OFF	56 mA	0
Playback	122 mA	92 mA
Record	*164 mA	*117 mA

### **RADIO SECTION**

Circuit system:

Tuning range:

FM/AM 2 band superheterodyne  
 FM : 87.5 ~ 108 MHz (except EX)  
       88.5 ~ 108 MHz (for EX)  
 AM : 530 ~ 1,650 kHz

**April 1986 TOYOKAWA WORKS**  
**FM/AM RADIO STEREO CASSETTE TAPE PLAYER AND RECORDER**

# Hitachi Cp S31user Guide

**Katrin Zwirgmaier**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

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