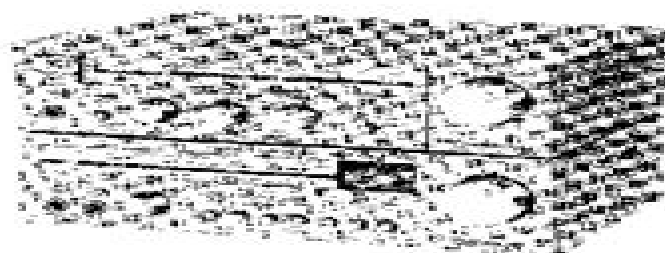


HITACHI **SERVICE MANUAL**

TY
No. 248 EGF
323
J-2
**FT-J2
HA-J2**

 for W. Germany,
 France, U.K.,
 Australia,
 Switzerland &
 Sweden


CONTENTS

SPECIFICATIONS	1
DISASSEMBLY	4
DIAL CORD STRINGING	6
ADJUSTMENT	8
CIRCUIT DIAGRAM	13, 18
PRINTED WIRING BOARD	14, 17
BLOCK DIAGRAM	18
REPLACEMENT PARTS LIST	20
KEY TO ILLUSTRATIONS	25

SAFETY PRECAUTIONS

- The following precautions should be observed when working:
 - Since many parts in the unit have special safety related characteristics, always use genuine Hitachi replacement parts. Especially critical parts in the circuit (such as capacitors and resistors) should be replaced with correct values.
 - Critical parts are marked with "S" in the schematic diagram and circuit board diagram.
 - When working a capacitor, it is recommended to use a safety discharge tool to discharge it properly. A safety discharge tool can be purchased from a local electronics store.

SPECIFICATIONS

FT-J2 (FM/MW/LW STEREO TUNER)

GENERAL SPECIFICATIONS

Semi-conductors	ICs: 7 1. 2N4301A (2) PRTs: 2 LEDs: 3 Diodes: 3 J4 (S) x 220 (W) x 125 (H) mm 1.8 kg
Dimensions	
Weight	
TUNER SECTION	
Circuit system	FM/MW/LW 3 band superheterodyne BPF: 27.5 MW: 500 - 1,600 kHz LW: 150 - 950 kHz FM: 1.9 μ V (S/N 26 dB, 475 Hz, 70 dB) Dev: 1 BW: 180 kHz 15 MHz 20 dB, 400 Hz 30% (mod.) LW: 1 mV/m 15 MHz 20 dB, 400 Hz 30% (mod.) 7 MHz 15 - 40 dB 20%
Frequency range	
Sensitivity	
FM capture ratio	

FM selectivity	40 dB (500 kHz)
FM Harmonic distortion	0.3% (10 - 10,000 Hz)
FM stereo separation	40 dB (STEREO)
FM Pilot suppression	40 dB
AM suppression	35/50 dB (15 kHz/55 kHz)
Image rejection	40 dB (1 MHz, FM 40 kHz BW, 20/30% mod.)
Intermediate frequency	45.5 kHz
Antenna (Aerial)	FM: 10.7 MHz MW/LW: 450 kHz FM: External antenna (Aerial) 300 ohm (75 ohm) MW/LW: External antenna (Aerial) 300 ohm (75 ohm)
FM frequency response	20 Hz - 15 kHz $\pm$ 1.5 dB
S/N (Signal to noise ratio)	FM: 50 dB LW: 50 dB MW: 50 dB

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

STEREO TUNER/STEREO AMPLIFIER

March 1981 TOYOKAWA WORKS

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Hitachi Seiko



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1. Understanding the eBook Hitachi Ha J2 Manual
 - The Rise of Digital Reading Hitachi Ha J2 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Hitachi Ha J2 Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Hitachi Ha J2 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Hitachi Ha J2 Manual
 - Personalized Recommendations
 - Hitachi Ha J2 Manual User Reviews and Ratings
 - Hitachi Ha J2 Manual and Bestseller Lists
5. Accessing Hitachi Ha J2 Manual Free and Paid eBooks

- Hitachi Ha J2 Manual Public Domain eBooks
 - Hitachi Ha J2 Manual eBook Subscription Services
 - Hitachi Ha J2 Manual Budget-Friendly Options
6. Navigating Hitachi Ha J2 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Hitachi Ha J2 Manual Compatibility with Devices
 - Hitachi Ha J2 Manual Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Hitachi Ha J2 Manual
 - Highlighting and Note-Taking Hitachi Ha J2 Manual
 - Interactive Elements Hitachi Ha J2 Manual
 8. Staying Engaged with Hitachi Ha J2 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Hitachi Ha J2 Manual
 9. Balancing eBooks and Physical Books Hitachi Ha J2 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Hitachi Ha J2 Manual
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Hitachi Ha J2 Manual
 - Setting Reading Goals Hitachi Ha J2 Manual
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Hitachi Ha J2 Manual
 - Fact-Checking eBook Content of Hitachi Ha J2 Manual
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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