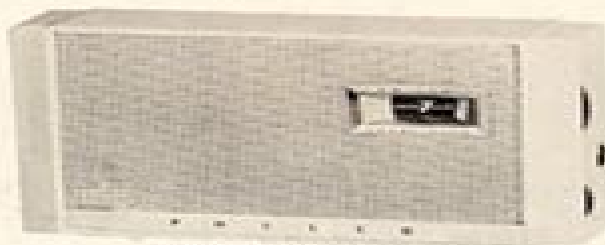


PHILCO TRANSISTOR RADIOS

SERVICE MANUAL

MODEL T-500 — CODE 124

PHILCO
Factory-Supervised
Service



MODEL T-500 — CODE 124

ALIGNMENT PROCEDURE

GENERAL—Allow the test equipment to warm up for fifteen minutes before starting the alignment procedure.

OUTPUT INDICATOR—Connect the output indicator (a 1000-ohm-per-volt, a-c voltmeter, or an oscilloscope) across the voice-coil terminals.

SIGNAL GENERATOR—Use an AM r-f signal generator. Connect the ground lead to chassis, and connect the output lead as indicated in the alignment chart.

OUTPUT LEVEL—Attenuate the signal-generator output throughout the alignment so as to maintain the output level below .275 volts.

RADIO CONTROLS—Set the volume control to maximum. Set the tuning control as indicated in the alignment chart.

SPECIFICATIONS

CIRCUIT—Five transistor superheterodyne.

AUDIO OUTPUT—25 milliwatts.

BATTERY VOLTAGE AND TYPE—6.0 volts from 4 penlight cells, type "AA", P-15, or mercury type "AA", P-9.

FREQUENCY COVERAGE—535 to 1620 KC.

INTERMEDIATE FREQUENCY—455 KC.

ANTENNA—Self-contained magnetic, high-impedance loop.

CABINET—Seyrene cabinet, leather carrying case optional.

SPEAKER—2-5/4 in. pen., 14 ohm voice coil. Jack provided for optional private listening attachment.

ALIGNMENT CHART

STEP	SIGNAL GENERATOR		RADIO		ADJUST
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	
1	Panel must be removed from cabinet. Connect signal generator through a .3 uF condenser to antenna section of gang. Use the least generator signal necessary to give an output indication.	475 KC	Tuning gang fully open.	Adjust for maximum output as order given.	25—test IF 22—test IF 23—test IF
2	Use radiating loop (See note 1 below).	1620 KC	1620 KC (gang fully open)	Pre-set CIA (Ant.) 1/2 turn from right. Adjust for maximum output.	CIB—osc. resonant
3	Same as step 2.	1400 KC	1400 KC	Adjust for maximum output.	CIA—ant. resonant
4	Same as step 2. Panel MUST be re-mounted in cabinet.	600 KC	600 KC	Adjust for maximum output. Rock tuning gang while making this adjustment.	TI—osc. core
5	Repeat steps 2, 3 and 4 until no further improvement is observed. Always stop on step 2.				

NOTE 1. Use a 6-in-8 turn, 6-inch diameter loop made up of insulated wire. Connect to generator terminals, and place about one foot from radio loop.

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PHILCO TRANSISTOR RADIO MODEL T-500 — CODE 124

PR-3135

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Ford Radio Service Manual

Chao Zhang



Ford Radio Service Manual:

Ford Radio Service Manual Book Review: Unveiling the Power of Words

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Table of Contents Ford Radio Service Manual

1. Understanding the eBook Ford Radio Service Manual
 - The Rise of Digital Reading Ford Radio Service Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Ford Radio Service 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 Ford Radio Service Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ford Radio Service Manual
 - Personalized Recommendations
 - Ford Radio Service Manual User Reviews and Ratings
 - Ford Radio Service Manual and Bestseller Lists

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