

CDX-F7710/F7710S/F7715X/ F7750/F7750S

SERVICE MANUAL

Ver. 1.0 2004.12



Photo: CDX-F7710S

US Model
Canadian Model
CDX-F7715X
AEP Model
UK Model
CDX-F7750/F7750S
E Model
CDX-F7710/F7710S

* The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US MODEL)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into
4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more
than 5% total harmonic distortion.

CD player section

Signal-to-noise ratio 120 dB
Frequency response 20 – 20,000 Hz
Wow and Flutter Below measurable limit

Tuner section

Tuning range (CDX-F7715X)
87.5 – 100.9 MHz
(CDX-F7710/F7710S/F7750/F7750S)
87.5 – 108 MHz
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz ±150 kHz
Usable sensitivity 9 dB
Selectivity 75 dB at 400 kHz
Signal-to-noise ratio 60 dB (music)
Harmonic distortion at 1 kHz
0.1% (music)
0.1% (music)
Separation 25 dB at 1 kHz
Frequency response 20 – 15,000 Hz

AM (CDX-F7715X)

Tuning range 530 – 1,710 kHz
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz ±150 kHz
Sensitivity 30 µV

SPECIFICATIONS

FM/MW (CDX-F7710/F7710S/F7750/F7750S)

Tuning range FM: 87.5 – 108.9 MHz
MW: 133 – 219 MHz
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz ±150 kHz
Sensitivity MW: 30 µV
LW: 40 µV

Power amplifier section

Outputs Speaker outputs
Cone seal construction
Speaker impedance 4 – 8 ohms
Maximum power output 32 W × 4 (at 4 ohms)

General

Outputs Audio outputs terminal (Front/Rear)
Subwoofer output terminal (Music)
Power antenna relay control terminal
Power amplifier control terminal
Telephone/ATT control terminal
Illumination control terminal
SRC control input terminal
SRC audio input/ALDX IN terminal
Remote controller input terminal
Antenna input terminal

Inputs

— Continued on next page —

FM/AM COMPACT DISC PLAYER

CDX-F7715X

FM/MW/LW COMPACT DISC PLAYER

CDX-F7710/F7710S/F7750/F7750S

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Table of Contents Sony Cdx F7710 Manual

1. Understanding the eBook Sony Cdx F7710 Manual
 - The Rise of Digital Reading Sony Cdx F7710 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Sony Cdx F7710 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 Sony Cdx F7710 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Sony Cdx F7710 Manual
 - Personalized Recommendations
 - Sony Cdx F7710 Manual User Reviews and Ratings
 - Sony Cdx F7710 Manual and Bestseller Lists
5. Accessing Sony Cdx F7710 Manual Free and Paid eBooks
 - Sony Cdx F7710 Manual Public Domain eBooks
 - Sony Cdx F7710 Manual eBook Subscription Services
 - Sony Cdx F7710 Manual Budget-Friendly Options

6. Navigating Sony Cdx F7710 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Sony Cdx F7710 Manual Compatibility with Devices
 - Sony Cdx F7710 Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sony Cdx F7710 Manual
 - Highlighting and Note-Taking Sony Cdx F7710 Manual
 - Interactive Elements Sony Cdx F7710 Manual
8. Staying Engaged with Sony Cdx F7710 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sony Cdx F7710 Manual
9. Balancing eBooks and Physical Books Sony Cdx F7710 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sony Cdx F7710 Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Sony Cdx F7710 Manual
 - Setting Reading Goals Sony Cdx F7710 Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Sony Cdx F7710 Manual
 - Fact-Checking eBook Content of Sony Cdx F7710 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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 lialh oc ch₃ 3 h 4 benzaldehyde c₆h₅cho ch₂ohch₂oh h step 1 toluene oxidation with kmno₄ kmno₄ is a strong oxidising

agent which oxidise toluene to benzaldehyde in 1st step

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$$\text{MnO}_4^- + 7\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 2\text{H}^+ + 3\text{e}^- \rightarrow \text{MnO}_2 + \text{H}_2\text{O}$$

$$\text{MnO}_4^- + \text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$$

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web mar 15 2019 what is the mechanism of toluene oxidation by KMnO_4 it is quite simple reaction that KMnO_4 can oxidize benzylic hydrogen in toluene and synthesize benzoic acid however i cannot find exact mechanism of reaction in

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web description treatment of an alkylbenzene with potassium permanganate results in oxidation to give the benzoic acid notes the position directly adjacent to an aromatic group is called the benzylic position the reaction only works if there is a hydrogen attached to the carbon examples

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web may 1 2004 the oxidation of toluene by aq KMnO_4 under hydrodynamic cavitation was taken as a model reaction and various parameters have been optimized the oxidation of toluene by aq KMnO_4 gives benzoic acid scheme 1 KMnO_4 in turn is reduced to MnO_2 the reaction did not give any other byproduct