

CDX-R30M/R3310/ R3410/R3410S

SERVICE MANUAL

Ver. 1.1 2005.07



US Model
CDX-R30M
Canadian Model
CDX-R3310
AEP Model
UK Model
CDX-R30M
E Model
CDX-R3410/R3410S

* 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 drives from 20 Hz to 20 kHz with no more
than 5% total harmonic distortion.

| | |
|------------------------------------|----------------|
| Model Name Using Similar Mechanism | NEW |
| CD Drive Mechanism Type | MG-S11TA-1860D |
| Optical Pick-up Name | KSS-1000E |

SPECIFICATIONS

CD player section

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

Tuner section

FM
Tuning range 87.5 ~ 107.9 MHz
CDX-R30M/R3410/R3410S:
87.5 ~ 108.0 MHz (at 50 kHz step)
87.5 ~ 107.9 MHz (at 100 kHz step)
FM tuning interval 50 kHz/100 kHz switchable
CDX-R30M/R3410/R3410S:
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Usable sensitivity 9 dB
Selectivity 75 dB at 400 kHz
Signal-to-noise ratio 67 dB (mono),
69 dB (stereo)
Harmonic distortion at 1 kHz
0.5% (mono),
0.3% (stereo)
Separation 35 dB at 1 kHz
Frequency response 20 ~ 15,000 Hz

AM

Tuning range CDX-R3310:
530 ~ 1,710 kHz
CDX-R30M/R3410/R3410S:
530 ~ 1,600 kHz (at 9 kHz step)
530 ~ 1,710 kHz (at 9 kHz step)
9 kHz/10 kHz switchable
CDX-R30M/R3410/R3410S:
Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz/450 kHz
Sensitivity 30 µV

Power amplifier section

Outputs Speaker outputs
Square wave connection
4 ~ 8 ohms
Speaker impedance
Maximum power output 50 W x 4 (at 4 ohms)

General

Outputs Audio outputs terminal
(sublinear switchable)
Power antenna relay control terminal
Power amplifier control terminal
RUC control input terminal
RUC audio input terminal
Remote controller input terminal
Antenna input terminal

Inputs

— Continued on next page —

FM/AM COMPACT DISC PLAYER

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e Vehicle Group
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Sony Cdx R3310 Car Receivers Owners Manual

David Kirk



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Sony PLL Synthesized Receiver Owner's Manual ICF-SW07 Soni Kabushiki Kaisha, This text contains operating instructions for the Sony PLL synthesised receiver ICF SW07 **Philco-Delco Car Radio Installation and Service Manual** PHILCO-DELCO CAR RADIO INSTALLATION AND SERVICE MANUAL.,1937 *Delco Radio Owner's Manual Model 633* Delco-Remy Corporation,2025-03-29 A vital resource for vintage automobile enthusiasts and electronics hobbyists Delco Manuals Radio Model 633 and Delcotron Generator Delco Remy Division offers a fascinating glimpse into mid 20th century automotive technology This meticulously reproduced manual originally published by Delco Remy Corporation combines two essential guides in one volume Explore the intricacies of the Delco Radio Model 633 a popular car radio of its time Detailed instructions provide a comprehensive understanding of its operation and maintenance The second section delves into the Delcotron generator a groundbreaking innovation in automotive electrical systems Clear diagrams and step by step instructions guide users through the installation process This manual is an invaluable tool for anyone restoring or studying classic cars and radios It serves as a window into the ingenuity of early automotive electronics A testament to durable engineering this book captures a pivotal era in automotive history This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work Scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public We appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant *CVM-195 Receiver/monitor Operating Instructions* Sony Corporation of America,1978 *Sony FM Stereo Receiver SRF-5* Soni Kabushiki Kaisha,1983 Official Radio Service Manual Hugo Gernsback,1977-04-01

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components required working principle of the proje

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web oct 3 2016 with an arduino based metal detector we can do other interesting things that cannot be done with traditional bfo metal detectors stay tuned for future projects on how we can take advantage of this metal detecting mechanism for other purposes

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web apr 5 2020 description this is the circuit diagram of a low cost metal detector using a single transistor circuit and an old pocket radio this is nothing but a colpitts oscillator working in the medium band frequency and a radio tuned to the same frequency first the radio and the circuit are placed close

build a four transistor metal detector nuts volts magazine - Jan 05 2023

web the circuit can sense a soda can at a depth of six inches and metal pipes at an even greater distance the unit is powered by two 9v batteries in series the detector has a current draw of approximately 9 ma at 18 vdc as a result the batteries should last a long time figure 1 four transistor metal detector schematic theory

simple precision metal detector circuit diagramz com - Feb 23 2022

web jan 19 2020 simple precision metal detector schematic circuit diagram wise tech january 19 2020 0 704 1 minute read a metal detector can be used at airports in theatres or elsewhere it is used to detect someone holding a metal arms etc to protect citizens we will develop a basic detector circuit in this project