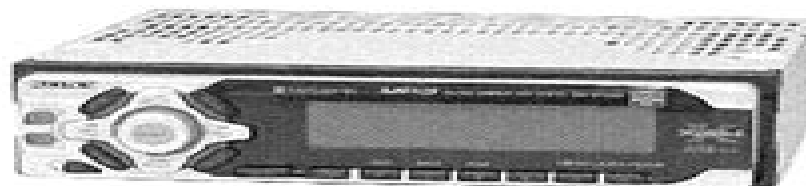


CDX-MP450X

SERVICE MANUAL

US Model

Ver 1.0 2001.02



* The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
19 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

CD player section

System	Compact Disc digital audio system
Signal-to-noise ratio	90 dB
Frequency response	10 – 20,000 Hz
Wow and flutter	Below measurable limit
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 μ W*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

Tuner section

FM	
Tuning range	87.5 – 107.9 MHz
Antenna terminal	External Antenna connector
Subcarrier frequency	19.2 MHz
Usable sensitivity	8 dB μ
Selectivity	73 dB at 400 kHz;
Signal-to-noise ratio	65 dB (mono);
	68 dB (stereo)
Harmonic distortion at 1 kHz	0.2% (stereo);
	0.4% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 20,000 Hz

AM

Tuning range	530 – 1,710 kHz
Antenna terminal	External Antenna connector
Subcarrier frequency	10.7 MHz/450 kHz
Sensitivity	30 μ V

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MCI-363KLI-12 L/RK
Optical Pick-up Name	KBS-720A

SPECIFICATIONS

Power amplifier section

Outputs	Speaker outputs (four seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W $\times$ 4 (at 4 ohms)

General

Outputs	Audio outputs (Stereos) Power Antenna relay control lead Power amplifier control lead Telephone/RTT control lead Antenna input connector Remote controller input-connector
Inputs	Base: 49 dB at 100 Hz Tone: 49 dB at 10 kHz
Tone controls	Base: 49 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 138 $\times$ 50 $\times$ 38 mm (7 $\frac{1}{8}$ $\times$ 2 $\frac{1}{8}$ $\times$ 3 $\frac{1}{8}$ in (a.c.) (w/td)
Mounting dimensions	Approx. 182 $\times$ 50 $\times$ 38 mm (7 $\frac{1}{8}$ $\times$ 2 $\frac{1}{8}$ $\times$ 3 $\frac{1}{8}$ in (a.c.) (w/td)
Mass	Approx. 1.3 kg (2 lb., 10 oz.)
Supplied accessories	Parts for installation and connections (1 set) Power panel case (1) Quick remote commander RCA-3014

Design and specifications are subject to change without notice.

FM/AM COMPACT DISC PLAYER

SONY®

9-870-292-11
2001B0-000-1
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Sony Corporation
Audio Entertainment Group
General Engineering Dept.

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