

HCD-GS200

SERVICE MANUAL

Ver 1.2 2003.10

US Model
Canadian Model



HCD-GS200 is the Amplifier, CD player, Tape Deck and Tuner section in MHC-GS200.

CD Section	Model Name Using Similar Mechanism	HCD-GS300AV
	CD Mechanism Type	COMS4B-K1BD47A
	Base Unit Name	BU-K1BD47A
	Optical Pick-up Name	KSM-213BFN
TAPE Section	Model Name Using Similar Mechanism	HCD-GS300AV
	Tape Transport Mechanism Type	CMAL1Z221

SPECIFICATIONS

Amplifier section

U.S.A. models:

AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

with 8 ohms loads both channels driven, from 120 – 10,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Continuous RMS power output

60 ± 50 watts
88 ohms at 1 kHz,
10% THD

Total harmonic distortion

less than 0.09%
88 ohms at 1 kHz,
35 watts

Inputs:

VIDEO (MIDI) IN (phono jack):
voltage 250 mV/450 mV,
impedance 47 kilohms

GAME (AUDIO) IN (phono jack):

voltage 450 mV,
impedance 47 kilohms

AUDIO IN (phono jack):

450mV/47 kilohms

Outputs:

PHONES (stereo phono jack):

accepts headphones of
8 ohms or more
accepts impedance of 5 to
16 ohms

FRONT SPEAKER:

CD player section

System

Compact disc and digital
audio system,
Semiconductor laser
(λ = 780 nm)
Emission duration:
continuous

Laser

2 Hz – 50 kHz (±0.5 dB)
780 – 790 nm
More than 90 dB
More than 90 dB

Frequency response

Wavelength

Signal-to-noise ratio

Dynamic range

OPTICAL OUT (CD)

Square optical connector jack, rear panel

Wavelength

Output Level

600 nm
–18 dBm

Tape player section

Recording system

4-track 2-channel stereo
40 – 15,000 Hz (±3 dB),
using Sony TYPE I
tapes

Frequency response

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

87.5 – 108.0 MHz

Antenna

FM loop antenna

North American model:

75 ohms unbalanced

Intermediate frequency

50.7 MHz

AM tuner section

Tuning range

530 – 1,710 kHz
(with the interval set at
90 kHz)
531 – 1,710 kHz
(with the interval set at
9 kHz)
AM loop antenna,
External antenna terminal
450 kHz

Antenna

Antenna terminals

Intermediate frequency

— Continued on next page —

COMPACT DISC DECK RECEIVER

SONY®

9-874-022-03
2003J16-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

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Hugo Gernsback



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