

# HCD-GX25/RG220

## SERVICE MANUAL

Ver 1.0 2003.08



(Photo: HCD-GX25)

- HCD-GX25/RG220 is the tuner, deck, CD and amplifier section in MHC-GX25/RG220.

US Model  
Canadian Model  
HCD-GX25  
AEP Model  
UK Model  
E Model  
Australian Model  
HCD-RG220

CD Section	Model Name Using Similar Mechanism	HCD-GX45/RG440
	CD Mechanism Type	CDMP4F-K&BD FLA CDMP4F-K&BD r2
	Base Unit Name	BU-K&BD FLA BU-K&BD r2
	Optical Pickup Block	KSM-2130CP
Tape Deck Section	Model Name Using Similar Mechanism	HCD-GX45/RG440
	Tape Transport Mechanism Type	CVM40FF-12

### SPECIFICATIONS

**AUDIO POWER SPECIFICATIONS**  
(HCD-GX25 USA model only)  
**POWER OUTPUT AND TOTAL HARMONIC DISTORTION:**  
With 8-ohm loads, both channels driven, from 120 ~ 10,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 20 Hz minimum to rated output.

#### Amplifier section North American models:

##### HCD-GX25:

Continuous RMS power output (reference):  
120 + 120 watts (8-ohm at 1 kHz, 10% THD)  
Total harmonic distortion: less than 0.07% (8-ohm at 1 kHz, 60 W)

##### European and Russian models:

##### HCD-RG220:

DIN power output (rated):  
50 + 50 watts  
(8-ohm at 1 kHz, 10%)  
Continuous RMS power output (reference):  
60 + 60 watts (8-ohm at 1 kHz, 10% THD)

##### Music power output (reference):

120 + 120 watts (8-ohm at 1 kHz, 10% THD)

#### Other models:

##### HCD-RG220:

The following nominal AC/120, 127, 220, 240 V:  
50/60 Hz

DIN power output (rated): 75 + 75 watts  
(8-ohm at 1 kHz, 10%)

Continuous RMS power output (reference):  
90 + 90 watts (8-ohm at 1 kHz, 10% THD)

#### Inputs

LINE INPUT/VIDEO LINE (phono) jack:  
voltage 150 mV  
impedance 47 kOhms

LINE INPUT VIDEO (phono) jack:  
1 V<sub>rms</sub>, 75 ohm

#### Outputs

FRONT (phono) (red) jack:  
accepts impedance of  
8-ohm or more

VIDEO-OUT (phono) (red) jack:  
max. output level  
1 V<sub>rms</sub>, unbalanced, 75 ohm  
impedance, load impedance  
75 ohm

#### SPEAKER:

accepts impedance of 8-ohm or more

— Continued on next page —

## COMPACT DISC DECK RECEIVER

# SONY®

9-951-549-01  
2003R04-1  
© 2003. 08

Sony Corporation  
Home Audio Company  
Published by Sony Engineering Corporation

# Sony Hcd Gx25 Cd Deck Receiver Service Manual

**Sony (Great Britain) Ltd**



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1791 singer kiri te kanawa the first part of the text is the entire psalm 116 117 with just two verses and sixteen words in

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eum omnes populi quoniam confirmata est super nos misericordia eius et veritas domini manet in aeternum gloria patri et

filio et spiritui sancto sicut erat in principio et nunc et semper et in saecula saeculorum amen

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sonnez pour notre roi sonnez alléluia louez le selon sa grandeur louez le par la danse et le tambour louez le par les cymbales

triomphantes

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todos os povos louvai nosso senhor sing praises all you

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nations praise him all ye people in latin it is known as laudate dominum consisting of only two verses psalm 117 is the

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solar cutout and battery to load circuit a pic16f72 programmable interface controller is used for small size and inbuilt analog  
inputs to determine voltage level of battery and solar cell only two of that in circuit relay

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