

HCD-GX355/GX555/ RG270/RG475/RG575

SERVICE MANUAL

Ver. 1.4 2005.10



Photo: HCD-RG270

- HCD-GX355 is the amplifier, CD player, tape deck and tuner section in MHC-GX355.
- HCD-GX555 is the amplifier, CD player, tape deck and tuner section in MHC-GX555.
- HCD-RG270 is the amplifier, CD player, tape deck and tuner section in MHC-RG270.
- HCD-RG475 is the amplifier, CD player, tape deck and tuner section in MHC-RG475.
- HCD-RG575 is the amplifier, CD player, tape deck and tuner section in MHC-RG575.

US Model
Canadian Model
HCD-GX355/GX555
AEP Model
UK Model
Australian Model
HCD-RG270/RG475
E Model
HCD-RG270/RG475/RG575

CD Section	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM74KPS-F1BD81C (Except Mexican model) or CDM74KP-K6BD83S (US, Canadian, AEP, UK, East European, Russian, E2, E51 models)/CDM74KPS-F1BD84 (Mexican model)
	Base Unit Name	BU-F1BD81C (Except Mexican model) or BU-K6BD83S-WDC (US, Canadian, AEP, UK, East European, Russian, E2, E51 models)/BU-F1BD84 (Mexican model)
	Optical Pick-up Block Name	KSM-215DCP or KSM-213DCP
TAPE Section	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CWM43FF13

- Abbreviations
E2 : 120W AC Area in E model
E51 : Chinese and Russian models

SPECIFICATIONS

Amplifier section

AUDIO POWER SPECIFICATIONS (HCD-GX355/GX555 USA model only)

HCD-GX555

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8-ohm loads, both channels driven, from 120 – 10,000 Hz, rated 145 watts per channel maximum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

HCD-GX355

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8-ohm loads, both channels driven, from 120 – 10,000 Hz, rated 150 watts per channel maximum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

North American model:

HCD-GX555

Front speaker

Continuous RMS power output (indicated):

145 + 145 watts (8-ohm at

1 kHz, 10% THD)

Total harmonic distortion: Less than 0.07% (8-ohm at

1 kHz, 80 W)

Rear speaker

Continuous RMS power output (indicated):

170 watts (8-ohm at

80 Hz, 10% THD)

Total harmonic distortion: Less than 0.07% (8-ohm at

80 Hz, 80 W)

HCD-GX355

Continuous RMS power output (indicated):

150 + 150 watts (8-ohm at

1 kHz, 10% THD)

Total harmonic distortion: Less than 0.07% (8-ohm at

1 kHz, 80 W)

European and Russian models:

HCD-RG475

Front speaker

DCN power output (rated): 110 + 110 watts (8-ohm at

1 kHz, 10%)

Continuous RMS power output (indicated):

140 + 140 watts (8-ohm at

1 kHz, 10% THD)

Maximum power output (indicated):

200 + 200 watts (8-ohm at

1 kHz, 10% THD)

Rear speaker

DCN power output (rated): 170 watts (8-ohm at

80 Hz, 10%)

Continuous RMS power output (indicated):

190 watts (8-ohm at

80 Hz, 10% THD)

Maximum power output (indicated):

320 watts (8-ohm at

80 Hz, 10% THD)

— Continued on next page —

COMPACT DISC DECK RECEIVER

Sony Hcd Rg270 Cd Deck Receiver Service Manual

Toronto Radio College of Canada



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Sony Service Manual Soni Kabushiki Kaisha,1982? Sony XR 7071 Service Manual Sony (Great Britain) Ltd,

Official Radio Service Manual Hugo Gernsback,1977-04-01 **Sony Service Manual VO-5630** Soni Kabushiki

Kaisha,1982 **RCC Component Stereo Service Manual** Toronto Radio College of Canada, Sony Service Manual Soni
Kabushiki Kaisha,1982

Whispering the Techniques of Language: An Mental Quest through **Sony Hcd Rg270 Cd Deck Receiver Service Manual**

In a digitally-driven world wherever displays reign great and instant interaction drowns out the subtleties of language, the profound secrets and mental subtleties concealed within words often go unheard. However, nestled within the pages of **Sony Hcd Rg270 Cd Deck Receiver Service Manual** a captivating fictional prize pulsing with natural feelings, lies an extraordinary quest waiting to be undertaken. Published by a skilled wordsmith, this marvelous opus attracts readers on an introspective journey, delicately unraveling the veiled truths and profound affect resonating within the very material of each and every word. Within the psychological depths of this moving review, we can embark upon a genuine exploration of the book is primary subjects, dissect their captivating writing style, and yield to the powerful resonance it evokes deep within the recesses of readers hearts.

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web the rubric ranks children from 1 to 4 for each criterion based on the content of their poem quick to download this poetry assessment tracker will save you hours of marking time

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a four quadrant or multiple quadrant operation is required in industrial as well as commercial applications these applications require both driving and braking i e motoring and generating capability some of these applications include electric traction systems cranes and lifts cable laying winders and engine test loading systems

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implement four quadrant chopper dc drive description the four quadrant chopper dc drive dc7 block represents a four quadrant dc supplied chopper or dc dc pwm converter drive for dc motors this drive features closed loop speed control with four quadrant operation

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speed control of a machine is the most vital and important part in any industrial organization this paper is designed to develop a four quadrant speed control system for a dc motor using microcontroller the motor is operated in four quadrants i e clockwise counter clock wise forward brake and reverse brake

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paper proposes a way to govern the rate and route control of a dc motor with the help of a 4 quadrant dc dc chopper the speed under the base velocity may be controlled by way of armature voltage manage technique mosfets are used for the switching operation of the chopper the gates of those mosfets are given pwm

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the four quadrant chopper block represents a four quadrant controlled chopper for converting a fixed dc input to a variable dc output the block contains two bridge arms each bridge arm each has two switching devices options for the type of

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3 four quadrant operation of dc motor four quadrant operation or mode of any dc motor means that machine operate in four quadrants they are forward braking mode forward motoring mode reverse braking or stop mode and reverse motoring mode a motor operates in two modes motoring and braking a motor drive capable of

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this paper gives a control for three phase brushless dc bldc motor in all four quadrant operation the control system in this paper is capable to detect and identify the rotor position by sensor signal 1 in this paper behaviour of bldc motor is studied in all four quadrant operations through simulation model

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may 11 2021 a four quadrants dc chopper fqdc has been developed to work with a series motor for the application of dc drive electric vehicle in previous work capable of operating in such driving conditions and offers several types of chopper operation modes such as driving and reverse regenerative and resistive braking generator mode field weakening

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aug 8 2020 1 answer sorted by 1 you can think of the first quadrant operation as being a buck converter down from the supply to the motor you can think of the second quadrant as being a boost converter from the motor s generated low voltage up to the supply voltage

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put simply the four quadrants that the controller can work in are 1 motor going clockwise controller applying clockwise drive 2 motor going anti clockwise controller applying anti clockwise drive 3 motor going clockwise controller applying anti clockwise drive 4 motor going anti clockwise controller applying clockwise drive

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sep 11 2019 four quadrants drive dc chopper for series motor full size image this modes of operation can be controlled by ai controllers such as expert system fuzzy logic self tuning fuzzy 10 11 12 13 14 15 16 neural network as well as anfis but this paper focused only on the circuit operation of generator mode

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four quadrant operation of dc motor means that the machine operates in four quadrants they are forward braking forward motoring reverse motoring and reverse braking a motor operates in two modes motoring and braking

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1 to observe the four quadrant operation of a dc motor 2 to control a motor under torque control 3 to couple the speed control motor and torque controlled motor and observe the effect of a stepped torque 6 2 four quadrant operation of a dc motor the four quadrant operation is performed by giving an alternating reference speed command to

four quadrant operation of dc motor motoring and breaking operation - Aug 20 2023

aug 16 2021 the four quadrant operation of the motor can be described as follows quadrant i in the first quadrant the developed power by the motor is positive thus the motor operates in motoring mode and converts electrical energy into mechanical energy therefore the operation of the motor in first quadrant is called forward motoring quadrant ii

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the control of bldc motor in four quadrants is very crucial in this paper bldc motor is controlled in all the four quadrants without any wastage of power during regenerative braking period power generated is being stored in the chargeable battery

four quadrant operation of dc motor sciample - May 17 2023

aug 3 2019 introduction in this experiment four quadrant operation of a dc motor is simulated as well as run in real time the speed and current control model developed in the previous experiment is used to emulate the four regions of operation theoretical background consider an elevator system shown in figure below

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jan 1 2018 doi org 10 1016 j matpr 2017 11 261 get rights and content this paper proposes a method that designs a simulation model of four quadrant operation of bldc motor drive and to reduce the torque ripples in the developed model the characteristics of speed torque back emf are effectively monitored and analyzed

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four quadrant operation of a pm dc motor 5 1 objective the objective of this activity is to analyze the four quadrant operation of a permanent magnet dc pm dc motor this activity was derived from those developed and distributed by the university of minnesota umn 5 2 review of four quadrant operation