

Service Manual

DC Servo Fully Automatic Tuntable System

SL-N15(H)

[M], [MC]



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SAFETY PRECAUTION

1. Before working on this product, be sure to read the instructions carefully.
2. Do not touch the turntable platter or the tonearm while the power is on.
3. Do not touch the turntable platter or the tonearm while the power is on.

Areas

- * [M] is available in U.S.A.
- * [MC] is available in Canada.

- * The gray type model is provided with EHG in the Service Manual. **SL-N15(H)**
- * The colors of this model is gray type only.

TAP is the standard mark for the plug-in-connector type. Products carrying this mark are interchangeable and adaptable among each other.

Specifications

(Specifications are subject to change without notice for further improvement.)
(Weights and dimensions shown are approximate.)

General

Main supply: 120 V AC, 60 Hz
Power consumption: 7.5W
Dimensions: 31.5 x 8.8 x 31.5 cm (excluding panel operating switches)
(12-1/2" x 3-1/2" x 12-1/2")
31.5 x 39 x 31.5 cm (12-1/2" x 15-23/64" x 12-1/2")
(Maximum height when top (dust cover) is open.)
Weight: 3.2 kg (7.1 lb.)

Line out section

Frequency response: 20 Hz-20 kHz
Output voltage: 180 mV (47 kΩ)
Channel separation: More than 22 dB at 1 kHz

Turntable section

Type: Automatic turntable
Features: Auto start/Auto lead-in
Auto return
Auto stop

Drive method:

Motor: DC motor
Drive control method: DC servo control
Turntable platter: Aluminum die-cast

Tunable speeds:

33-1/3 rpm and 45 rpm

Wow and flutter:

0.045% WRMS (JIS C5521)
±0.06% peak
(IEC 98A Weighted)
-70 dB (IEC 98A Weighted)

Rumble:

Tonearm section

Type:

Dynamic balanced type
Linear tracking tonearm
4-pivot gimbal suspension
10.5 cm (4-1/8")
Within ±0.1°
9 g (including cartridge)
12 Hz
DC motor
150 pF

Effective length:

Tracking error angle:

Effective mass:

Resonance frequency:

Tonearm drive motor:

Phono cable capacitance:

Panasonic

Matsushita Engineering and Service Company
50 Meadowland Parkway
Secaucus, New Jersey 07094

Panasonic Hawaii Inc.
21-235 Kalia St., Box 3838
P.O. Box 174
Honolulu, Hawaii 96808-0174

Matsushita Electric of Canada Limited
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Ave. 66 De Indentaria, KM 9.7
Victoria Industrial Park
Carolina, Puerto Rico 00980

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Volkswagen New Beetle Service Manual Bentley Publishers, Bentley Publishers Staff, 2002-10 Features Engine and cylinder head service repair and reconditioning including camshaft toothed belt setup and adjustment Coverage of Motronic 5 9 7 5 and Diesel Turbo Direct Injection TDI engine management systems Drivetrain maintenance troubleshooting adjustment and repair including hydraulic clutch gearshift linkage and drive axles Suspension component replacement

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Road and Track ,1972 **Chevrolet Astro and Gmc Safari Mini-Vans Automotive Repair Manual** Ken Freund, John Harold Haynes, 1993 Astro GMC Safari Mini Vans 1985 93 Shop Manual Haynes 325 pgs 780 ill **Moody's Municipal & Government Manual** ,1960 **Moody's Manual of Investments and Security Rating Service** ,1927 *Moody's Manual of Investments* John Sherman Porter, 1953 American government securities 1928 53 in 5 annual vols v 1 Railroad securities 1952 53 Transportation v 2 Industrial securities v 3 Public utility securities v 4 Government securities 1928 54 v 5 Banks insurance companies investment trusts real estate finance and credit companies 1928 54 *Moody's Manual of Investments: American and Foreign* ,1928 *Science and Technology* ,1949 NBS Special Publication ,1977 *Index of U.S. Nuclear Standards* William J. Slattery, 1977 **Administrative Notes** ,1995 **Classified Catalogue** Carnegie Library of Pittsburgh, 1920 Video Game Audio Christopher Hopkins, 2022-08-31 From the one bit beeps of Pong to the 3D audio of PlayStation 5 this book examines historical trends in video game sound and music A range of game systems sold in North America Europe and Japan are evaluated by their audio capabilities and industry competition Technical fine points are explored including synthesized v sampled sound pre recorded v dynamic audio backward compatibility discrete and multifunctional soundchips storage media audio programming documentation and analog v digital outputs A timeline chronicles significant developments in video game sound for PC NES Dreamcast Xbox Wii Game Boy PSP iOS and Android devices and many others **Proceedings of New York University ... Annual Institute on Federal Taxation** New York University. Institute on Federal Taxation, 1994 **Reference Book Review Index, 1970-1972** Shirley M. Smith, 1975
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