

# Service Manual

DC Servo Fully Automatic Tuntable System

## SL-N15(H)

[M], [MC]



### CONTENTS

SAFETY PRECAUTION  
LOCATION OF CONTROLS  
DISASSEMBLY INSTRUCTIONS  
HOW TO SET THE TONEARM DRIVE  
REPLACING THE CARTRIDGE  
BLOCK DIAGRAM

### SAFETY PRECAUTION

1. Before working on this unit, disconnect the power cord from the AC outlet.  
2. Do not touch the internal components of the unit.

#### 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.



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 × 8.8 × 31.5 cm (excluding panel operating switches)  
(12-1/2" × 3-1/2" × 12-1/2")  
31.5 × 39 × 31.5 cm (12-1/2" × 15-23/64" × 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

#### Turntable speeds:

**Wow and flutter:** 33-1/3 rpm and 45 rpm  
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  
**Effective length:** 10.5 cm (4-1/8")  
**Tracking error angle:** Within ±0.1°  
**Effective mass:** 9 g (including cartridge)  
**Resonance frequency:** 12 Hz  
**Tonearm drive motor:** DC motor  
**Phono cable capacitance:** 150 pF

# Panasonic

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**Danny Briere, Pat Hurley**



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