

# Service Manual

ORDER NO.  
ARP2648

STEREO TURNTABLE

# PL-J210 ZEBM, ZDL

# PL-J110 ZEBM, ZDL

● Refer to the service manual ARP1478 for PL-Z91.

PL-J210 AND PL-J110 HAVE THE FOLLOWING :

Type	Model		Power Requirement	Remarks
	PL-J210	PL-J110		
ZEBM	○	○	DC power supplied from other system component	
ZDL	○	○	DC power supplied from other system component	

● This manual is applicable to the following : PL-J210/ZEBM and ZDL ; PL-J110/ZEBM and ZDL.

● These products are systems components.

Each of these products does not function properly when independent ; to avoid malfunctions, be sure to connect it to the prescribed system component (s), otherwise damage may result.

These products' instructions are contained within the operating instructions manual of the related system component (s).

The manual is packed with those component (s).

**CONTRAST OF MISCELLANEOUS PARTS**

**NOTES:**

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "☉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

**PL-J210/ZEBM, ZDL, PL-J110/ZEBM, ZDL and PL-Z91/ZEBM have the same construction except for the following :**

Mark	Symbol & Description	Part No.					Remarks
		PL-Z91/ ZEBM	PL-J210/ ZEBM	PL-J210/ ZDL	PL-J110/ ZEBM	PL-J110/ ZDL	
NSP	Sub-panel assembly	PXA1113	PXA1107	PXA1107	PXA1107	PXA1107	
	Speed button	PAC1226	PAC1726	PAC1726	PAC1725	PAC1725	
	EV button	PAC1227	PAC1724	PAC1724	PAC1723	PAC1723	
	S/S button	PAC1228	.....	.....	.....	.....	
	Cut button	.....	PAC1722	PAC1722	PAC1721	PAC1721	
NSP	Front name plate	PAM1156	.....	.....	.....	.....	
	Dust cover	PNV1008	PNV1013	PNV1013	PNV1013	PNV1013	
	Under base	PNW1291	PNW2272	PNW2272	PNW2272	PNW2272	
	Arm assembly	PPD1016	PPD1031	PPD1031	PPD1031	PPD1031	
	Cut rod	.....	PBH1038	PBH1038	PBH1038	PBH1038	
NSP	Size rod	PBH1039	.....	.....	.....	.....	
NSP	S/S rod	PBH1042	.....	.....	.....	.....	
	Protector (R)	PHA1045	PHA1233	PHA1233	PHA1233	PHA1233	
	Protector (L)	PHA1046	PHA1234	PHA1234	PHA1234	PHA1234	
	Button stopper F	PBK1038	.....	.....	.....	.....	
NSP	Button stopper R	.....	PBK1037	PBK1037	PBK1037	PBK1037	
	Packing case	PHG1163	PHG1921	PHG1939	PHG1920	PHG1938	
	Panel	PNW1294	PNW2271	PNW2271	PNW2270	PNW2270	
	Start lever	PNW1293	.....	.....	.....	.....	
	PU plate assembly	PXA1109	.....	.....	.....	.....	
	PU plate (B) assembly	.....	PXA1114	PXA1114	PXA1114	PXA1114	

Note : The PU plate (B) assembly (PXA1114) is the same as that of PL-Z81/ZEBM which is shown with PL-Z91/ZEBM in the service manual ARP1478.

**SUB-PANEL ASSEMBLY**

SUB-PANEL assembly (PXA1107) and SUB-PANEL assembly (PXA1113) have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		PXA1113	PXA1107	
	Select lever spring	PBH1053	.....	
	Reset plate spring	PBH1054	.....	
	Select lever	PNB1096	.....	
	Index cam	PNW1296	.....	
	Reset plate	PNW1312	.....	
	Selector	PNW1313	.....	
	Drive plate assembly	PXA1110	PXA1112	

**DRIVE PLATE ASSEMBLY**

DRIVE PLATE assembly (PXA1112) and DRIVE PLATE assembly (PXA1110) have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		PXA1110	PXA1112	
NSP	Spring	PBK-038	.....	
NSP	Start plate	PNB1095	PNC-220	
NSP	Lever	PNX-032	.....	

**SPECIFICATIONS**

**Turntable : PL-J210/PL-J110**

**Motor, Platter**

Motor Type ..... DC servo motor  
 Drive Method ..... Belt drive  
 Speed ..... 33-1/3, 45 RPM  
 Speed Variation ..... 0.07% WRMS (JIS ±0.10% WTD)  
 Peak (DIN)  
 S/N Ratio ..... 68 dB (DIN-B)  
 Platter ..... 295mm dia., aluminum die-cast

**Other**

Dimensions ..... 360W × 94H × 364D (mm)  
 Weight ..... 2.4kg

**Accessories**

EP Adaptor ..... 1

*Specifications and design subject to possible modifications without notice due to improvement.*

**Tonearm**

Type ..... Dynamic-balance type, straight tonearm

**Installed Cartridge**

Type ..... MM type  
 Replacement Stylus ..... PN-210  
 Stylus ..... 0.6 mil diamond  
 Output voltage 2.5mV (1kHz, 3.54cm/s, Lat. peak)  
 Tracking Force ..... 2-3.0g (optimum 2.5g)  
 Frequency Response ..... 20Hz to 20,000Hz  
 Load Resistance ..... 47kΩ  
 Cartridge Weight ..... 4g