

Pioneer

Service Manual



HDJ-1500-S

ORDER NO.
RRV4314

PROFESSIONAL DJ HEADPHONES

HDJ-1500-K /XZCWL5

HDJ-1500-K /XZCEW5

HDJ-1500-S /XZCWL5

HDJ-1500-S /XZCEW5

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

SPECIFICATIONS

Type.....	Fully-enclosed dynamic headphones	Plug.....	ø3.5 mm stereo mini-plug (gold plated, threaded type)
Impedance.....	32 Ω	Ear pad.....	Polyurethane (leather finish)
Sensitivity.....	108 dB	Weight.....	285 g (without cord)
Frequency response.....	5 Hz to 30 000 Hz	Accessories.....	ø6.3 mm standard stereo plug adapter (gold plated, threaded type), Carrying pouch
Maximum input power.....	3 500 mW		
Driver units.....	ø50 mm dome type		
Cord.....	1.2 m long one-side connection coiled type (extended length 3.0 m)		

PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan

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
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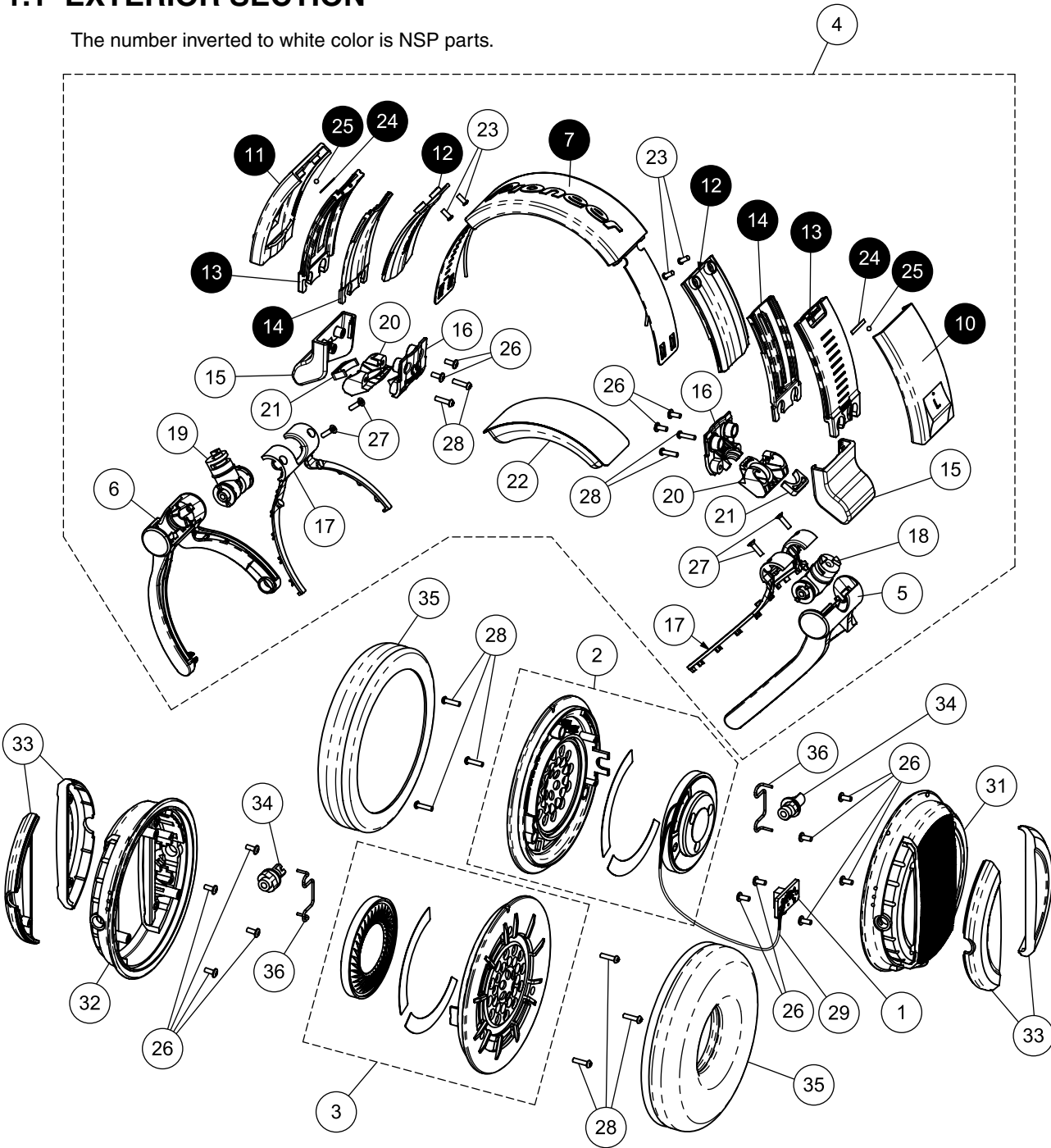
T-ZZZ JUNE 2012 Printed in Japan

1. EXPLODED VIEWS AND PARTS LIST

- NOTES:**
- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 - The  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.
 - Screws adjacent to  mark on product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

1.1 EXTERIOR SECTION

The number inverted to white color is NSP parts.



(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Jack Board Assy	WXX1475	21	Collar	WNK3952
2	Speaker Assy L	WXX1476	22	Head Cushion	WNV1198
3	Speaker Assy R	WXX1477	23	Screw	WBA1029
4	Headband Assy	See Contrast table (2)	NSP 24	Plate Spring	WBK1013
5	Hanger L	See Contrast table (2)	NSP 25	Steel Ball	WET1018
6	Hanger R	See Contrast table (2)	26	Screw	See Contrast table (2)
NSP 7	Headband	WNK3936	27	Screw	See Contrast table (2)
8	•••••		28	Screw	See Contrast table (2)
9	•••••		29	Cord	WDC1064
NSP* 10	Slider L	WNK3937	30	•••••	
NSP* 11	Slider R	WNK3938	31	Housing L	See Contrast table (2)
NSP* 12	Slider Cover	WNK3939	32	Housing R	See Contrast table (2)
NSP* 13	Inner Slider A	WNK3940	33	Pad	WNK3947
NSP* 14	Inner Slider B	WNK3941	34	Housing Shaft	WNK3950
15	Cap	See Contrast table (2)	35	Ear Pad	WNV1199
16	Cap Cover	See Contrast table (2)	36	Spring	WBH1071
17	Hanger Cover	See Contrast table (2)			
18	Shaft L	WNK3948			
19	Shaft R	WNK3949			
20	Stopper	See Contrast table (2)			

*The slider section cannot be disassembled, because the internal wires and inner slider are adhered.

(2) CONTRAST TABLE

HDJ-1500-K/XZCWL5, HDJ-1500-K/XZCEW5, HDJ-1500-S/XZCWL5 and HDJ-1500-S/XZCEW5 are constructed the same except for the following:

Mark	No.	Symbol and Description	HDJ-1500-K/XZCWL5 HDJ-1500-K/XZCEW5	HDJ-1500-S/XZCWL5 HDJ-1500-S/XZCEW5
	4	Headband Assy	WXX1478	WXX1488
	5	Hanger L	WNH1023	WNH1026
	6	Hanger R	WNH1024	WNH1027
	15	Cap	WKN3942	WKN4179
	16	Cap Cover	WKN3943	WKN4180
	17	Hanger Cover	WKN3944	WKN4181
	20	Stopper	WKN3951	WKN4184
	26	Screw	WBA1041	WBA1043
	27	Screw	CMZ20P080FTB	CMZ20P080FNI
	28	Screw	WBA1042	WBA1044
	31	Housing L	WKN3945	WKN4182
	32	Housing R	WKN3946	WKN4183

Lubricants and Glues List

Name	Parts No.	Remarks
Grease	GEM1013	Refer to "P5 [Reference for Assembling]"

NOTES ON ASSEMBLY OF EACH PART

[Attachment of the Head Cushion]

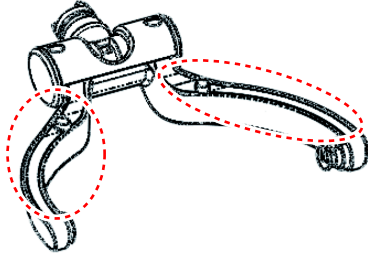
Double-back tape is attached to the Head Cushion (No.22).

A When replacing the double-back tape, clean the surface of the Headband (No.7) to which new double-back tape is to be attached.

[Component Formation of the Hanger Section]

The Hanger (No.5) and (No.6) and the Hanger Cover (No.17) are adhered at the locations indicated with the red broken-line ellipses shown below.

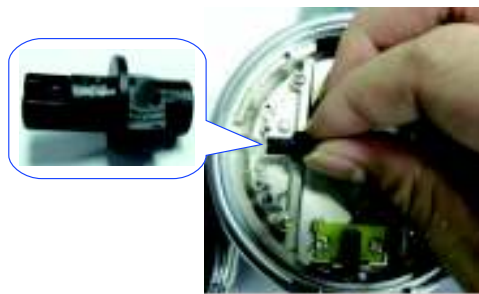
If detaching is difficult, replace the whole the Headband Assy (No.4).



B

[Attachment of the Housing Shaft]

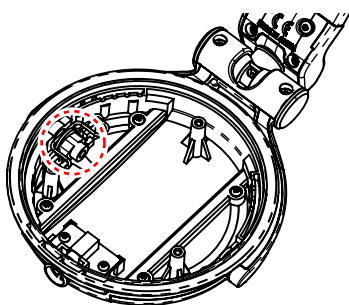
Insert the housing shaft with the flat surface at the end facing upward, as shown in the figure below.



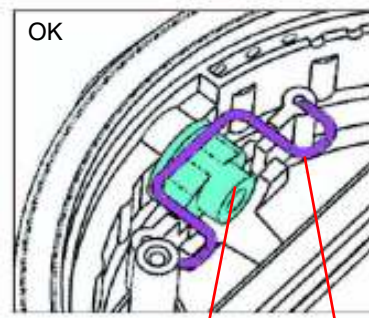
C

[Attachment of the Housing Shaft and Spring]

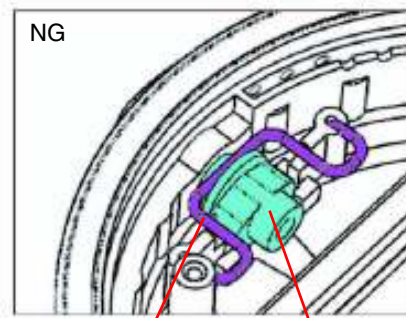
When assembling the Housing Shaft (No.34) and Spring (No.36), be careful of their relative positions. (illust) Be careful of their relative positions.



E



Housing Shaft Spring



Spring Housing Shaft

F

[Reference for Assembling]

[Assembly Procedure of the Cap Section (Procedure for Production)]

Apply **grease** to the collar then place it in the cap.

Fit the stopper into the cap.

Apply **grease** to the entire inner circumference of the wall of the hole at the center of the stopper.

Apply **grease** to the parts of the cap cover indicated in the photo above.

Attach the Cap Assy to the inner slider.

Grease (GEM1013)

Assembled state

Attach the shaft to the hole of the stopper. While holding the shaft down with one finger, attach the cap cover to the cap.

Pass the cord through the shaft, with the cord bent into an L shape.

Slightly bend the end of the cord.

[Wiring and Solder Positions of the Jack Board Assy]

Jack

Blue wire of the cord from Speaker Assy L

Red wire of the cord from the headband

Copper-colored wire of the cord from Speaker Assy L

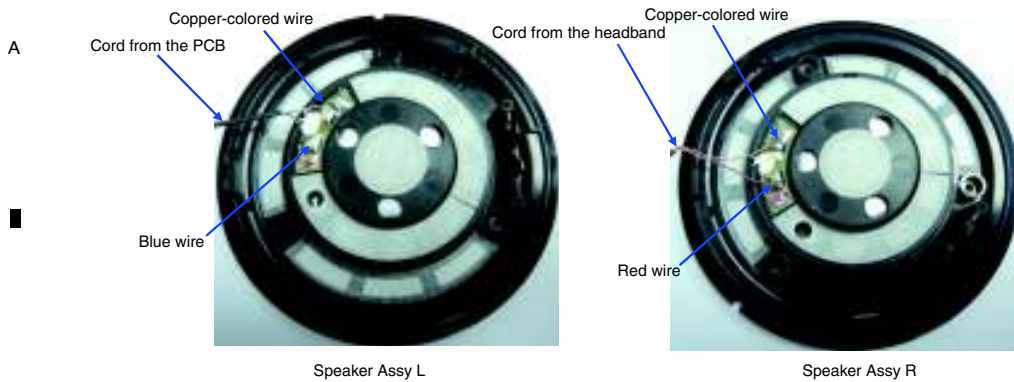
Copper-colored wire of the cord from the headband

Solder each wire so that the end of each wire to be embedded in solder faces inward and that the wires are laid inward, as shown in the photo.

Cord from Speaker Assy L

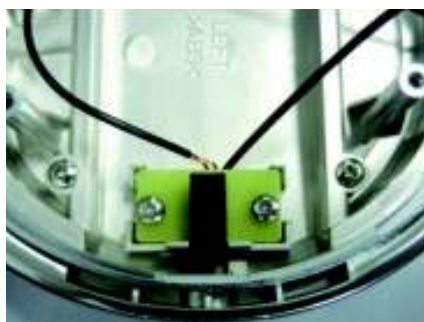
Cord from the headband

[Wiring and Solder Positions of the Speaker Assy]

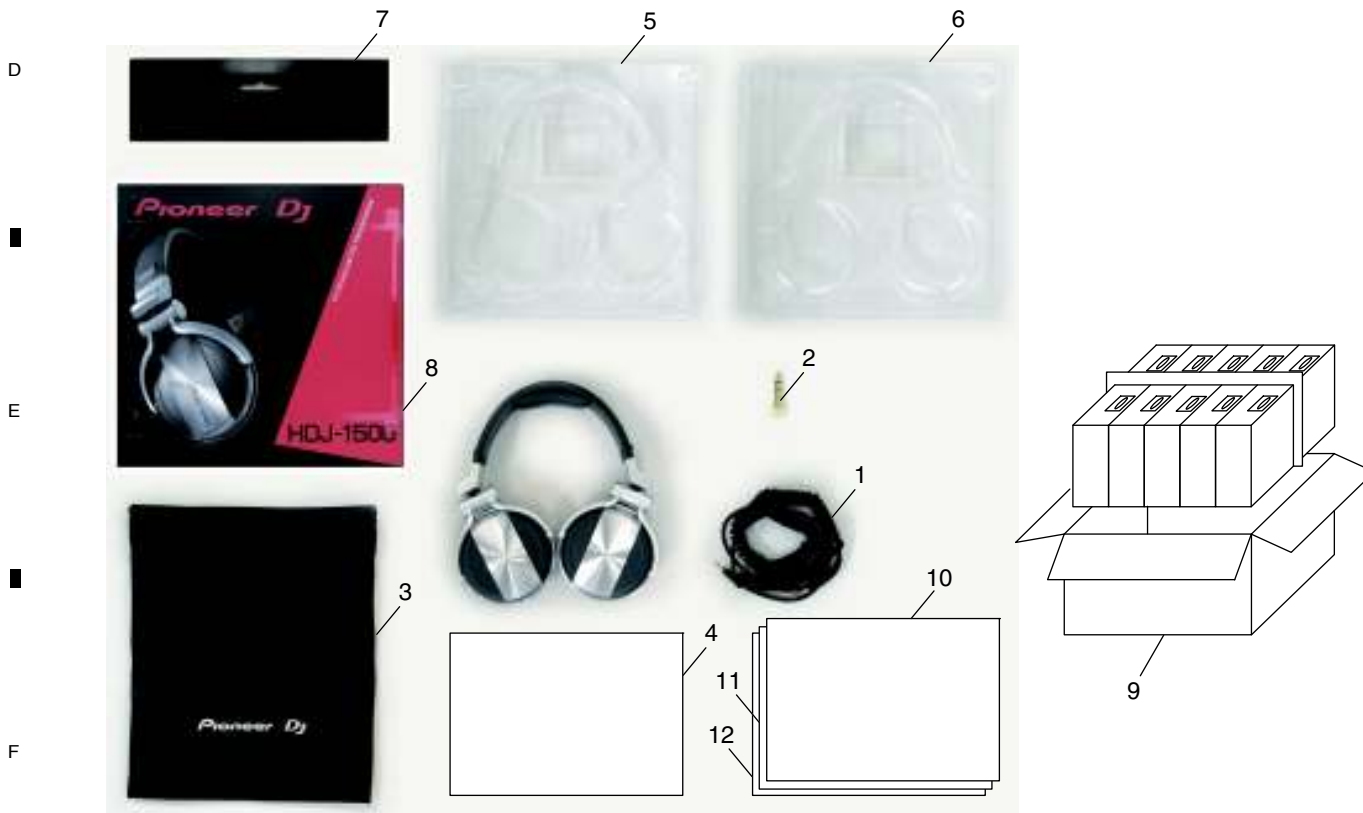


[Wire Styling in the Housing L]

Style the wires from the Jack Board Assy, as shown in the figure below, in the Housing L.



1.2 PACKING SECTION



(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Cord Assy	WDE1433	NSP 11	WEEE Caution Card	See Contrast table (2)
2	Plug Adapter	WKX1035	NSP 12	Warranty Card	See Contrast table (2)
3	Carrying Pouch	WMA1127			
4	Operating Instructions	WRB1174			
5	Inner Blister A	WHF1212			
6	Inner Blister B	WHF1213			
7	Hook	WHG2688			
8	Packing Case	See Contrast table (2)			
NSP 9	Master Carton	See Contrast table (2)			
NSP 10	Caution Sheet	See Contrast table (2)			

(2) CONTRAST TABLE

HDJ-1500-K/XZCWL5, HDJ-1500-K/XZCEW5, HDJ-1500-S/XZCWL5 and HDJ-1500-S/XZCEW5 are constructed the same except for the following:

Mark	No.	Symbol and Description	HDJ-1500-K/XZCWL5	HDJ-1500-K/XZCEW5	HDJ-1500-S/XZCWL5	HDJ-1500-S/XZCEW5
	8	Packing Case	WHG2689	WHG2687	WHG2764	WHG2763
NSP	9	Master Carton	WHP2372	WHP2371	WHP2463	WHP2462
NSP	10	Caution Sheet	WRN1030	Not used	WRN1030	Not used
NSP	11	WEEE Caution Card	Not used	WRN1018	Not used	WRN1018
NSP	12	Warranty Card	Not used	WRX1025	Not used	WRX1025

2. SCHEMATIC DIAGRAM

2.1 NETWORK ASSY

