

〈R42-347-0〉

SERVICE MANUAL

HEADPHONES

VOL.1

〈73C02F01K〉

 **PIONEER®**

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1. SE-20

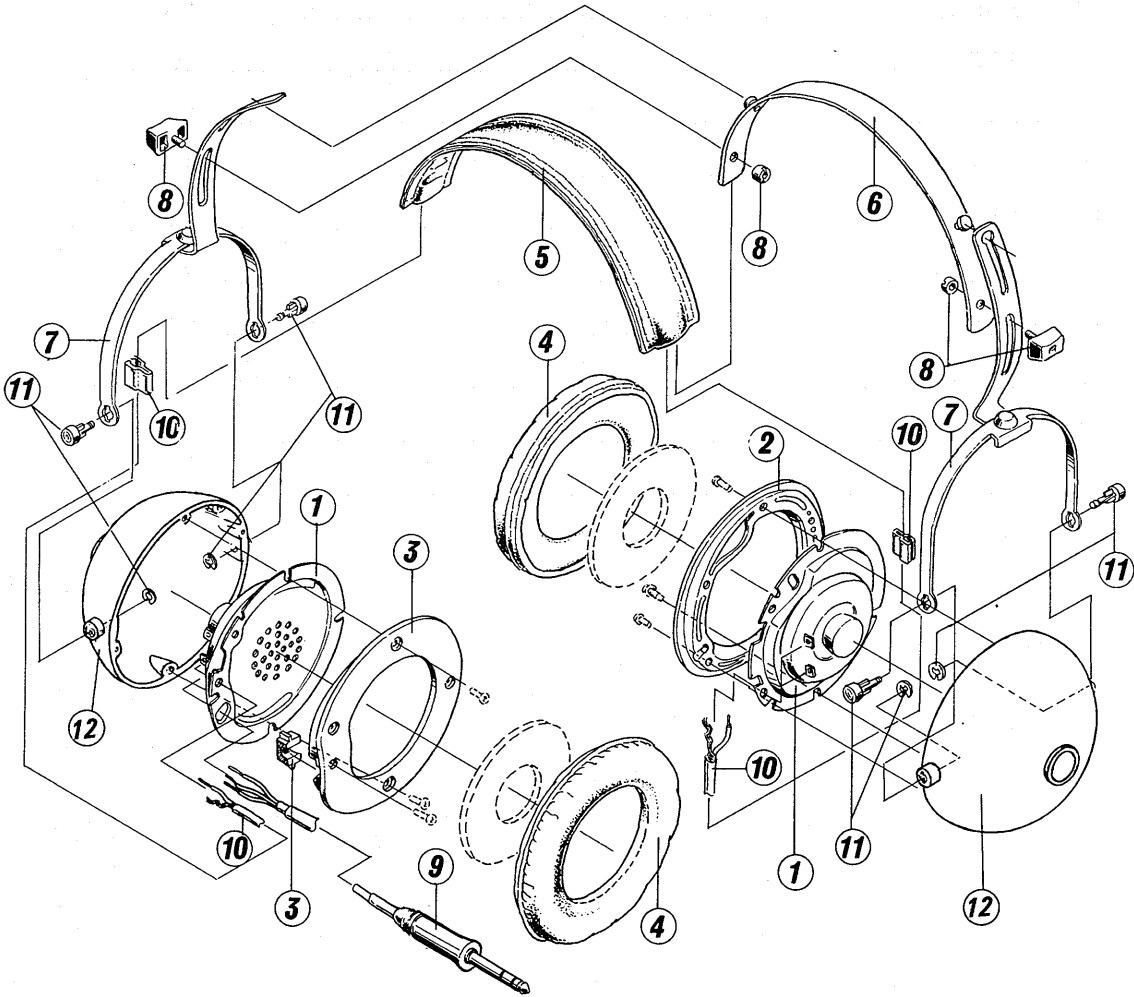
SPECIFICATIONS

Matching Impedance 4 to 16Ω
Earpiece Element Impedance 8Ω per element
Maximum Allowable Input 0.5W (each element)
Frequency Response 20 to 20,000 Hz
Cord 8.2 ft, with 3-P plug
Weight 13.3 oz. (without cord)

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker Assembly	SXC-010-0	
2	Earpad Supporter (Right)	N93-617-0	
3	Earpad Supporter (Left)	SXC-025-0	
4	Ear pad	SCD-134-0	
5	Head pad	SCD-133-0	
6	Head Band (A)	N62-750-0	
7	Head Band (B)	N62-751-0	
8	Adjusting Knob (Right & Left)	SXC-020-0	
9	Cord with 3-P Plug	SXC-011-0	
10	Lead Wire	SXC-017-0	
11	Band Shaft	SXC-006-0	
12	Case Operating Guide	OCC-099A	



2. SE-20A

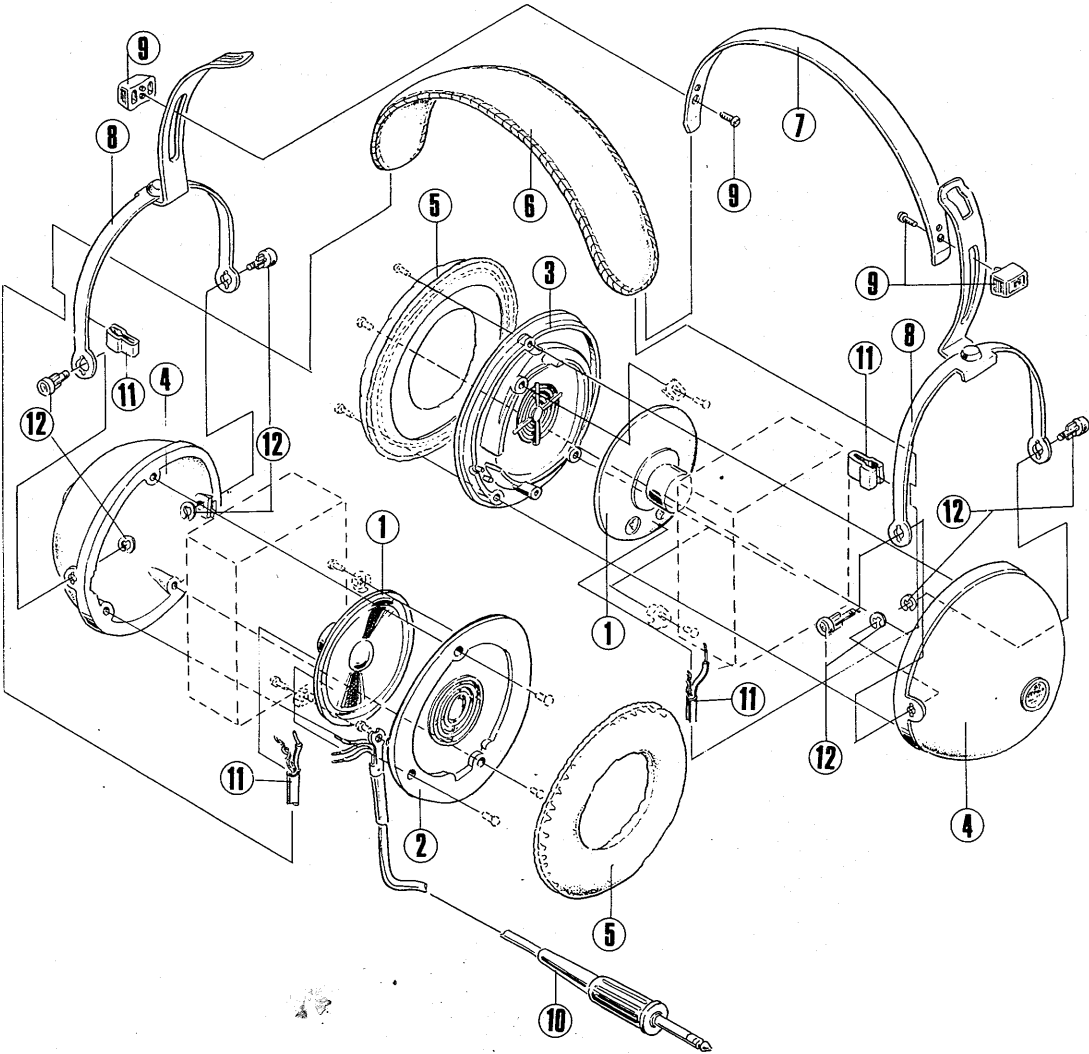
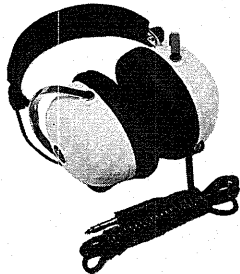
SPECIFICATIONS

Matching Impedance 4 ~ 16Ω
Earpiece Element Impedance 8Ω per element
Maximum Allowable Input 0.5W (each element)
Frequency Response 20 ~ 18,000Hz
Cord 8.2 ft, with 3-P plug
Weight 13.3 oz. (380g) without cord

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker Assembly	SXC-007-0	
2	Protection Board (Left)	SCD-184-0	
3	Protection Board (Right)	SCD-183-0	
4	Case	SXC-021-0	
5	Ear pad	SCD-134-0	
6	Head pad	SCD-202-0	
7	Head Band (A)	N63-741-A	
8	Head Band (B)	N63-742-0	
9	Adjusting Knob (Right & Left)	SXC-003-0	
10	Cord with 3-P Plug	SXC-013-0	
11	Lead Wire	SXC-005-0	
12	Band Shaft	SXC-006-0	
	Packing Case (not for SE-20A/up)	H93-626-0	
	Leather Case (SE-20A/up only)	SHF-001-0	
	Outer Case (SE-20A/up only)	H93-628-A	
	Operating Guide	R12-719-0	



3. SE-25

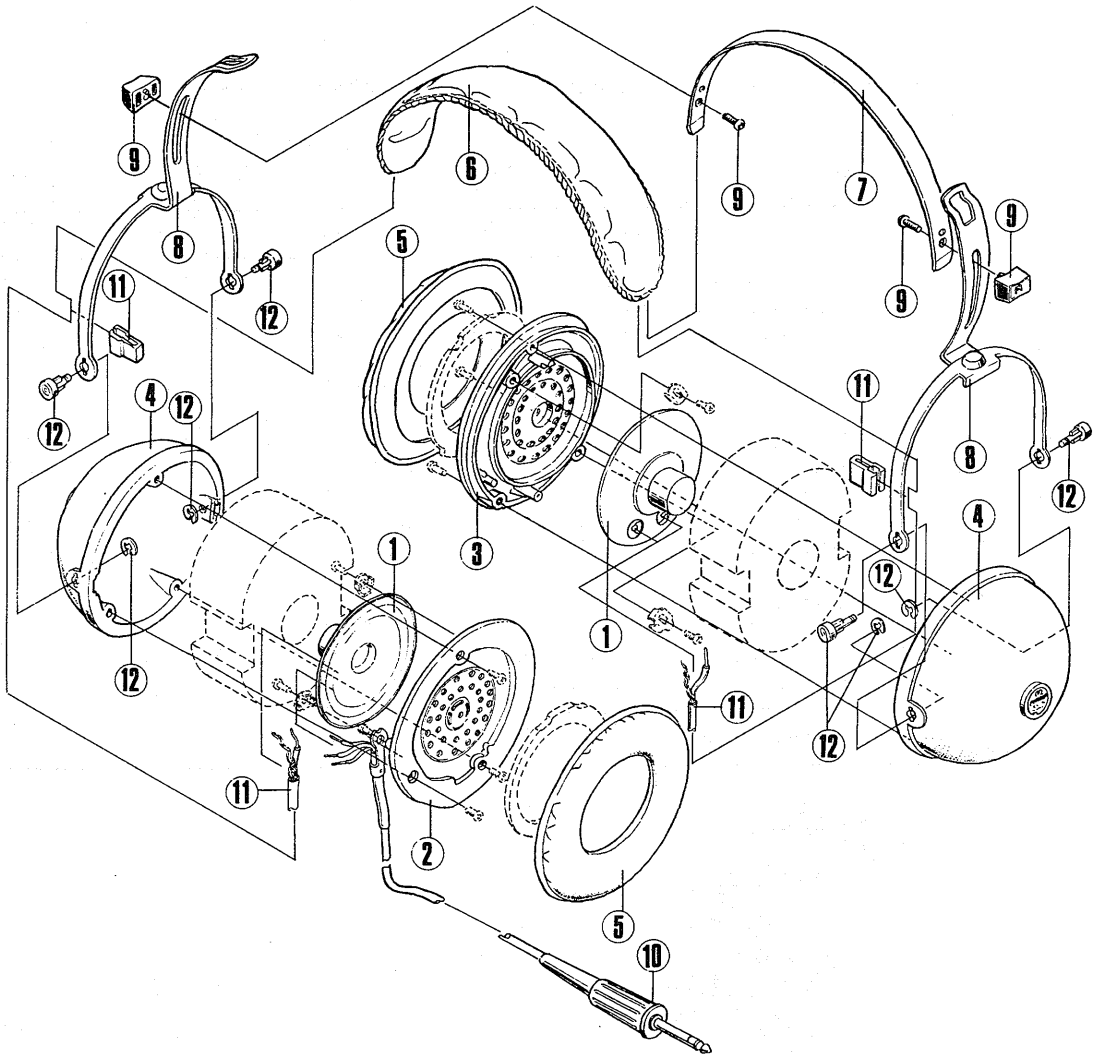
SPECIFICATIONS

Matching impedance	4 to 16Ω
Frequency response	20 to 20,000 Hz
Sensitivity	105 dB/0.1 V
Maximum input	2 V (each channel)
Speaker	2-3/4" dynamic speaker with cone-type
Cord	Cord extensible up to 8.2 feet (2.5 m) with 3-P plug
Weight	13.83 oz. (395 g), less cord

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.
1	Speaker Assembly	SXC-007-0
2	Protection Board (Left)	SCD-329-0
3	Protection Board (Right)	SCD-331-0
4	Case	SXC-022-0
5	Ear pad	SCD-134-A
6	Head pad	SCD-202-A
7	Head Band (A)	N63-741-A
8	Head Band (B)	N63-742-A
9	Adjusting Knob (L.R)	SXC-026-0
10	Cord with 3-P Plug	SXC-014-0
11	Lead Wire	SXC-019-0
12	Band Shaft	SXC-006-0
	Packing Case	H93-633-0
	Operating Guide	SRB-012-0



4. SE-30

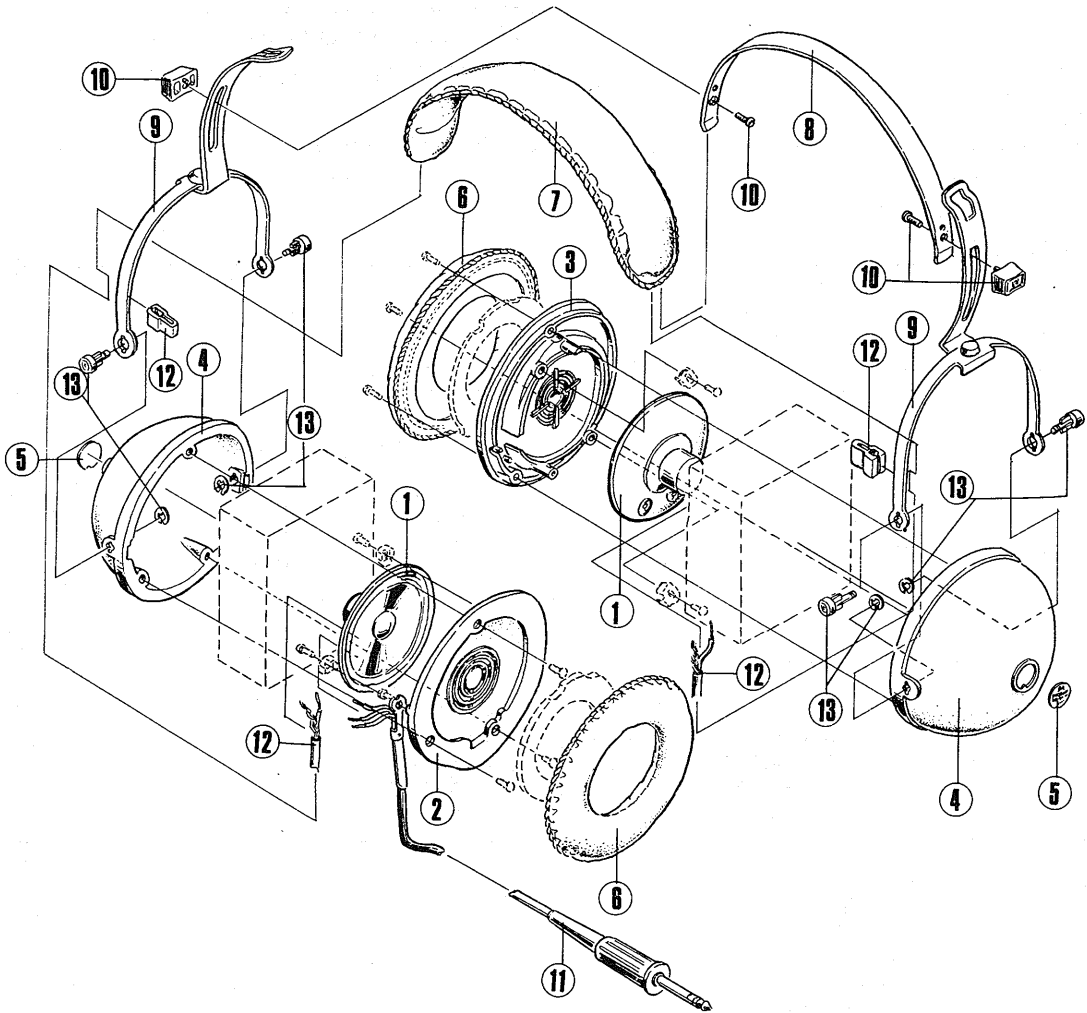
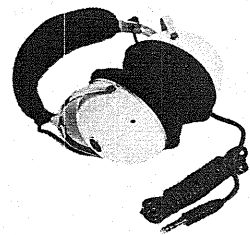
SPECIFICATIONS

Matching impedance 4 to 16Ω
Earpiece Element Impedance 8Ω per element
Maximum Allowable Input 0.5W (each element)
Frequency Response 20 to 20,000 Hz
Cord 8.2ft, with 3-P plug
Weight 13.3oz.(without cord)

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Parts No.	
1	Speaker Assembly	SXC-007-0	
2	Protection Board (Left)	SCD-184-0	
3	Protection Board (Right)	SCD-183-0	
4	Case	SXC-002-0	
5	Name Plate	A44-755-0	
6	Ear pad	SCD-116-B	
7	Head pad	SCD-117-0	
8	Head Band (A)	N63-741-A	
9	Head Band (B)	N63-742-A	
10	Adjusting Knob (Left & Right)	SXC-003-0	
11	Cord with 3-P Plug	SXC-012-0	
12	Lead Wire	SXC-005-0	
13	Band Shaft	SXC-006-0	
	Packing Case	H93-605-0	
	Operating Guide	R19-656-0	



5 . SE-30A

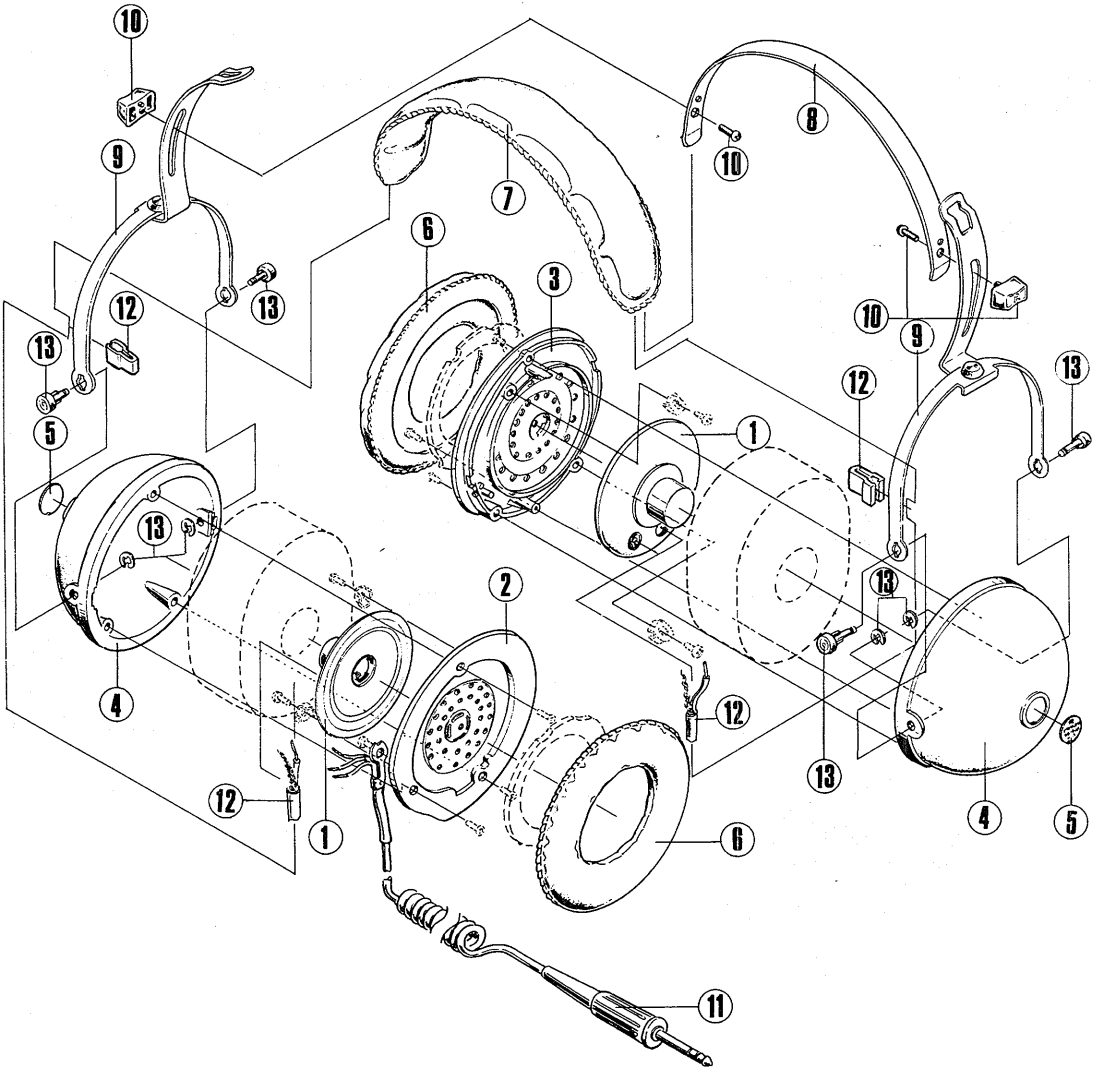
SPECIFICATIONS

Matching impedance 4 to 16Ω
Frequency response 20 to 20,000Hz
Sensitivity 115 dB/0.3V at 400Hz
(Measured with B&K's Artificial Ear Model 4153)
Input (maximum) 2V (each channel)
Speaker 2-3/4" dynamic speaker with a dome of polyester resin
Cord Retractable coiled cord extensible up to
16.4feet (5m), with 3-P plug
Weight Approx. 14 oz (380 g), less cord

NOTE:
Specifications and the design subject to possible modification without notice due
to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker Assembly	SXC-001-0	
2	Protection Board (Left)	SCD-329-A	
3	Protection Board (Right)	SCD-331-A	
4	Case	SXC-002-0	
5	Name Plate	SAL-004-0	
6	Ear pad	SCD-116-B	
7	Head pad	SCD-117-B	
8	Head Band (A)	N63-741-A	
9	Head Band (B)	N63-742-A	
10	Adjusting Knob (Left & Right)	SXC-003-0	
11	Coiled Cord with 3-P Plug	SXC-004-0	
12	Lead Wire	SXC-005-0	
13	Band Shaft	SXC-006-0	
	Packing Case (not for SE-30A/up)	SHG-004-0	
	Leather Case (SE-30A/up only)	SHF-001-0	
	Outer Case (SE-30A/up only)	SHG-005-0	
	Operating Guide	R12-787-0	



6 . SE-45

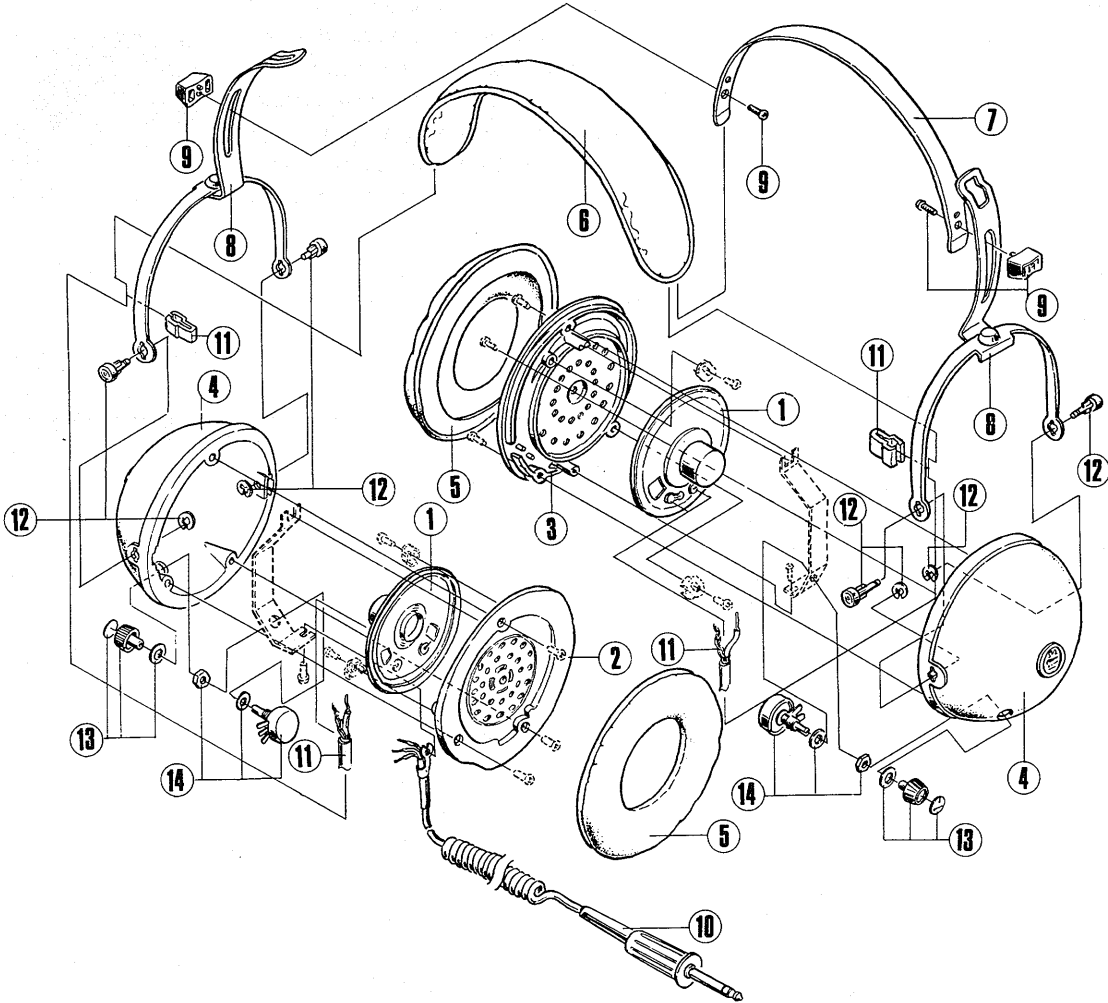
SPECIFICATIONS

Matching impedance 4 to 16Ω
Frequency response 20 to 20,000Hz
Maximum input 2V (each channel)
Speaker 2-3/4" (7cm) dynamic speaker with polyester cone
Control Volume control (each channel)
Cord Retractable coiled cord extensible up to
16.4feet (5m), with 3-P plug
Weight 14.87oz. (425g), less cord
Accessories Y-cord

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker Assembly	SXC-008-0	
2	Protection Board (Left)	SXC-027-0	
3	Protection Board (Right)	SXC-028-0	
4	Case	SXC-023-0	
5	Ear pad	SCD-134-A	
6	Head pad	SCD-335-0	
7	Head Band (A)	N63-741-A	
8	Head Band (B)	N63-742-A	
9	Adjusting Knob (Left & Right)	SXC-026-0	
10	Coiled cord with 3-P Plug	SXC-015-0	
11	Lead Wire	SXC-019-0	
12	Band Shaft	SXC-006-0	
13	Knob	SXC-037-0	
14	Volume Control	C81-620-B	
	Packing Case	H93-634-0	
	Y-Cord	D53-639-0	
	Operating Guide	SRB-013-0	



8. SE-100

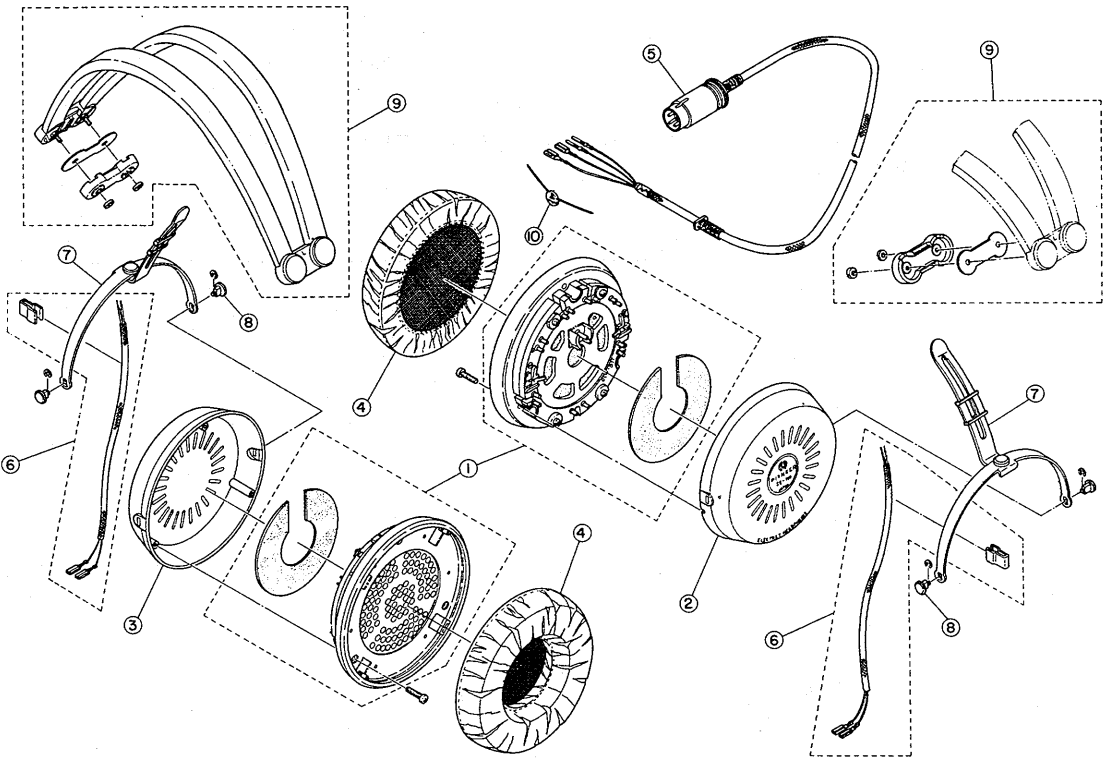
SPECIFICATIONS

Speaker Electret push-pull static type 2-way system
Static capacity 140pF (each channel, including the connecting cord)
Frequency response 20 to 35,000 Hz
Sensitivity 95dB or greater (input 100V) with B&K Artificial ear 4153
Maximum sound pressure level.....115dB
Distortion Less than 1% (at sound pressure level 100 dB)
Separation 40 dB or more (at audible band)
Connecting cord 8.2 ft./2.5m (with 4-P plug)
Weight 13 oz/360 g (except connecting cord)

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker Assembly (Electret type)	SXC-048-0	
2	Case (L)	SXC-041-0	
3	Case (R)	SXC-042-0	
4	Ear Pad	SXC-043-0	
5	4-P Plug with Connecting Cord	K71-643-0	
6	Lead Wire	SXC-044-0	
7	Holder Unit	SXC-045-0	
8	Shaft for Holder	SXC-046-0	
9	Head Band Assembly	SXC-047-0	
10	Capacitor (39pF, DC 2kV)	SCG-001-0	
	Packing Case	H93-641-0	
	Styrol Protector	H92-609-0	
	Operating Guide (SE-100, JB-100)	SRB-009-0	



9 . JB-100

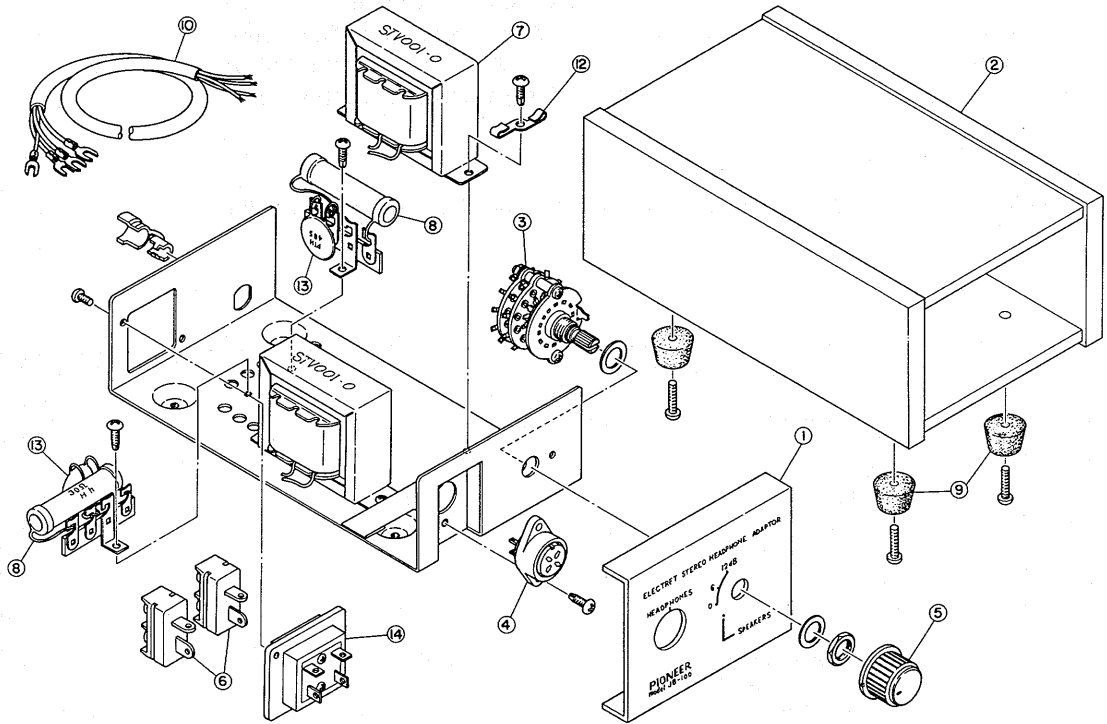
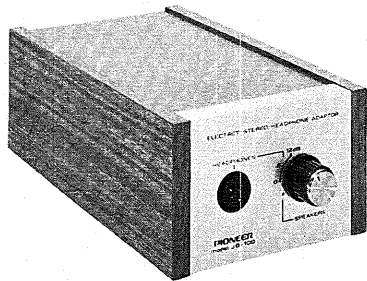
SPECIFICATIONS

Matching impedance 4 to 16Ω
Rated input 5V (When used in combination with SE-100)
Maximum input 10V (When used in combination with SE-100)
Output changeover Switch system (0dB, 6dB, 12dB and speaker)
Connecting cord 3.2 ft/1m
External dimensions 4-1/2 (W) x 3-1/8 (H) x 8-9/16 (D) inch
114(W) x 80(H) x 217(D) mm
Weight 3 lb./1360 g
Accessories Speaker connecting plug, two each

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Front Panel	M21-671-0	
2	Wooden Case	M32-626-0	
3	Rotary Switch	S15-606-0	
4	4-P Socket	K72-625-0	
5	Knob	A12-631-0	
6	Plug	K72-642-0	
7	Transformer	STV-001-0	
8	Resistor (30Ω, 5W)	C91-628-0	
9	Rubber Foot	E31-615-A	
10	Connection Cord	D12-639-0	
11			
12	Cord Cramper	SNB-007-0	
13	Positive Thermistor	SCN-002-A	
14	Socket	K72-624-0	
	Packing Case	H93-640-0	
	Styrol Protector	H92-608-0	
	Operating Guide (SE100, JB-100)	SRB-009-0	



10. SE-L20

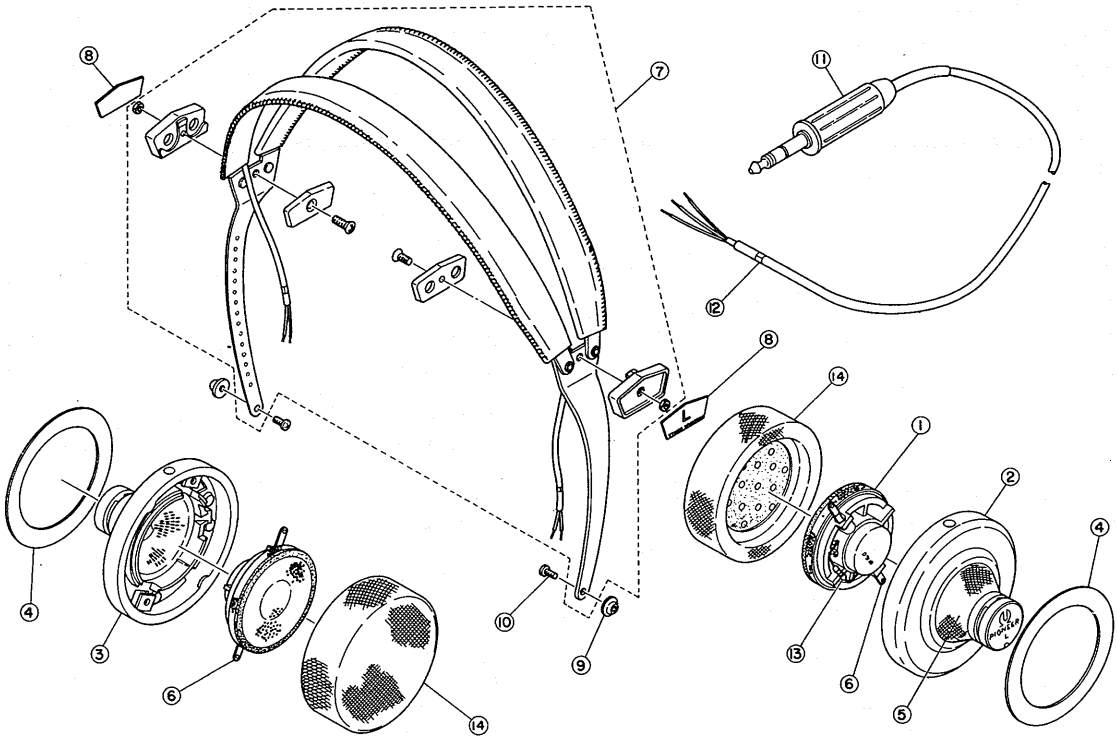
SPECIFICATIONS

Type "Open-air" stereo headphones
Speaker 38mm (1-1/2 in) dynamic speaker
Impedance 8Ω
Matching impedance 4 to 16Ω
Frequency response 20 to 20,000 Hz
Sound pressure level 109 dB/0.4V
Maximum input 30mW (each channel)
Cord 2.5m (8-1/4 feet), with 3-P plug
Weight 205g (7oz.), less cord

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker	38-705F	
2	Ring (L)	SNK-015-0	
3	Ring (R)	SNK-016-0	
4	Escutcheon Ring	SNB-010-0	
5	Speaker Cover	SXC-035-0	
6	Spring for Speaker Mounting	SNA-003-0	
7	Head Band Assembly	SXC-034-0	
8	Escutcheon Template (L, R)	SAX-010-0	
9	Stopper	SLA-002-0	
10	Screw Cross Pan Head 2.3 x 5		
11	3-P Plug with Cord	SKM-001-0	
12	Cord Clamper	SEF-003-0	
13	Resistor	SCN-001-0	
14	Ear Pad	SXC-069-0	
	Packing Case	SHK-013-0	
	Operating Guide	SRB-010-0	



11. SE-L20A

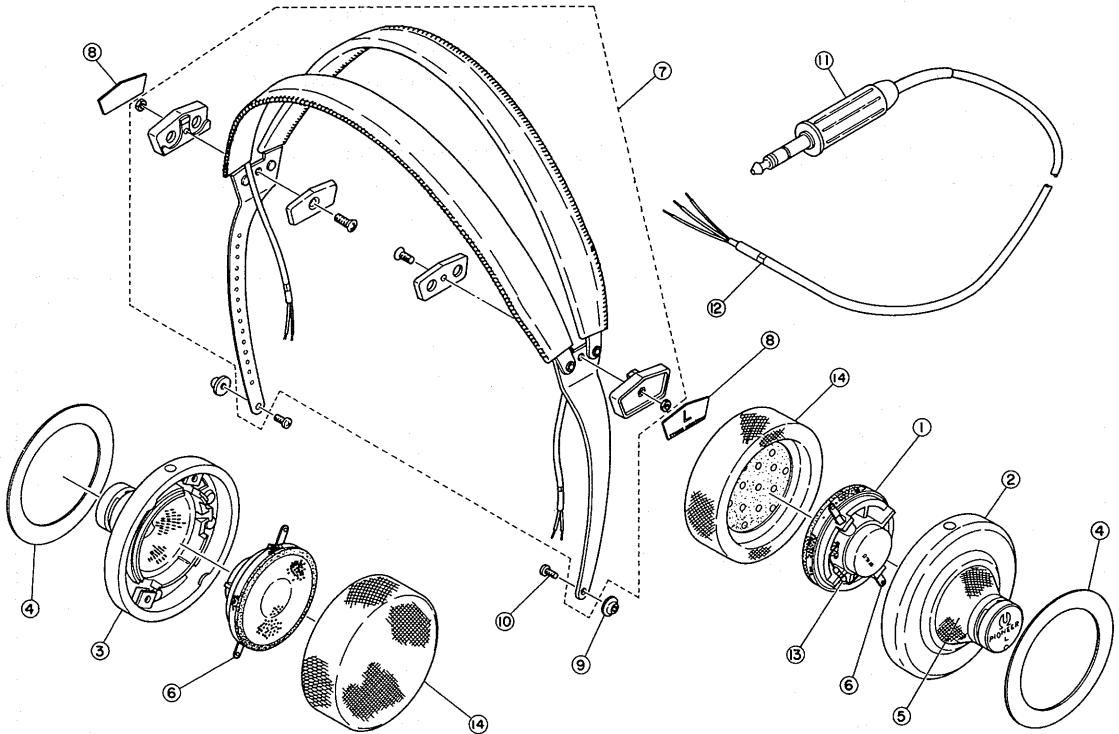
SPECIFICATIONS

Type“Open-air” stereo headphones
Speaker 38mm (1-1/2 in) dynamic speaker
Impedance 8Ω
Matching impedance 4 to 16Ω
Frequency response 20 to 20,000 Hz
Sound pressure level 109 dB/0.4 V
Maximum input 30 mW (each channel)
Cord 2.5 m (8-1/4 feet), with 3-P plug
Weight 205 g (7 oz), less cord

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker with Resistor	38-705F	
2	Ring (L)	SNK-046-0	
3	Ring (R)	SNK-047-0	
4	Escutcheon Ring	SNB-041-0	
5	Speaker Cover	SXC-035-0	
6	Spring for Speaker Mounting	SBK-001-0	
7	Head Band Assembly	SXC-034-0	
8	Escutcheon Template (L, R)	SAX-010-0	
9	Stopper	SLA-002-0	
10	Screw Cross Pan Head 2.3 x 5		
11	3-P Plug with Cord	SKM-001-0	
12	Cord Clamper	SEF-003-0	
13	Resistor	SCN-001-0	
14	Packing Case	SXC-069-0	
	Ear Pad	SHK-013-0	
	Operating Guide	SRB-010-0	



12. SE-L25

SPECIFICATIONS

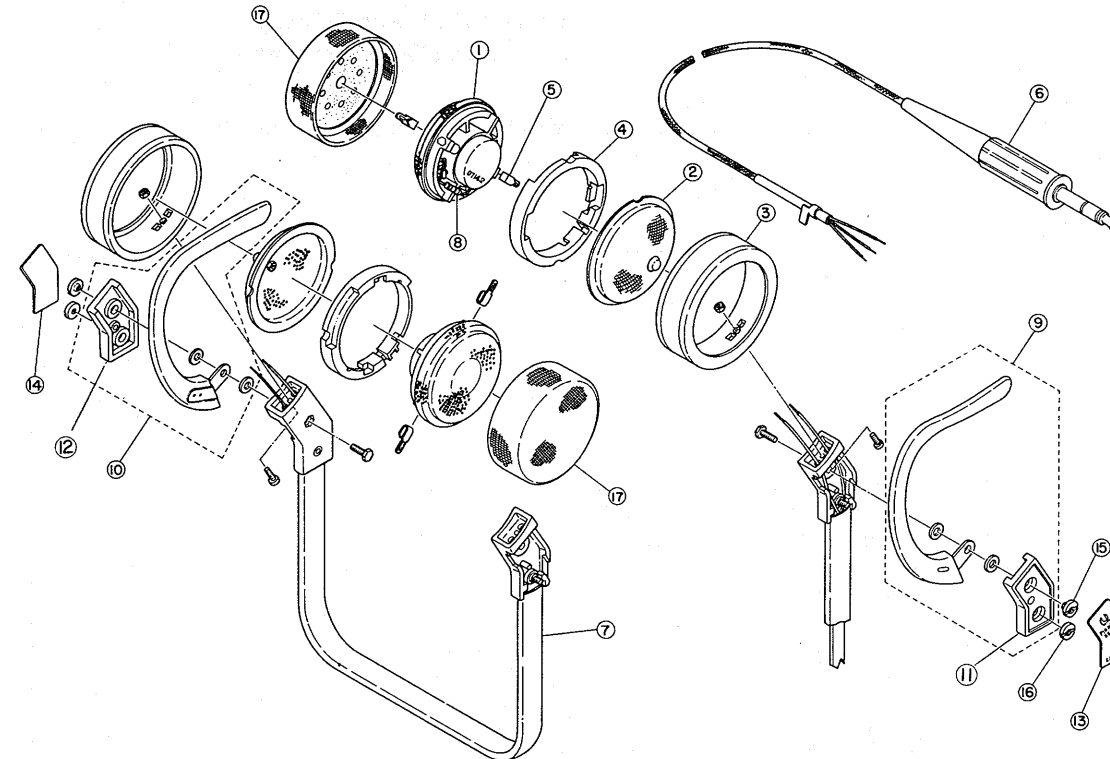
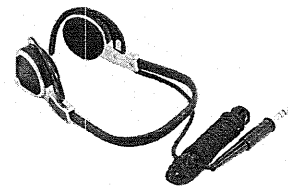
Type	“Open-air” stereo headphones
Speakers	1-1/2” (3.8cm) dynamic type
Impedance	8Ω
Matching impedance	4 to 16Ω
Frequency response	20 to 20,000 Hz
Efficiency	109dB/0.4V
Maximum input power	30mW (each channel)
Connection cord	9.8 feet (3m), with standard 3-P headphone plug
Weight	6 oz (160g) (without cord)

NOTE:

Specifications and the design subject to possible modification without notice due to improvements.

PARTS LIST

Key No.	Description	Part No.
1	Speaker	38-705F
2	Speaker Cover	SXC-039-0
3	Ring (Outer)	SNK-028-0
4	Ring (Inner)	SNK-021-0
5	Spring for Speaker Mounting	SBK-001-0
6	3-P Plug with Cord	SKM-002-0
7	Band Assembly	SXC-066-0
8	Resistor	SCN-001-0
9	Bow (L)	SXC-067-0
10	Bow (R)	SXC-068-0
11	Bow Retainer (L)	SNK-044-0
12	Bow Retainer (R)	SNK-045-0
13	Model Name Plate (L)	
14	Model Name Plate (R)	
15	Nut (A)	SBN-001-0
16	Nut (B)	SBN-002-0
17	Ear Pad	SXC-038-0
	Packing Case	SHG-023-A
	Decorated Package	SHF-007-0
	Operating Guide	SRB-024-0



13. SE-L40

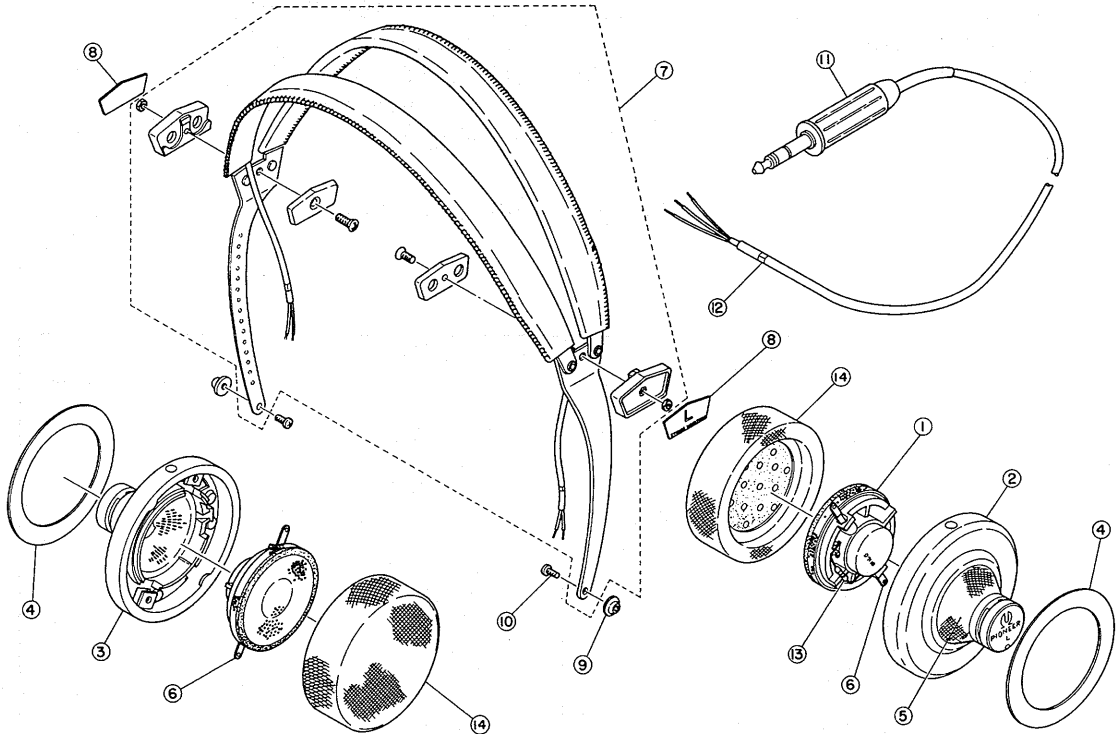
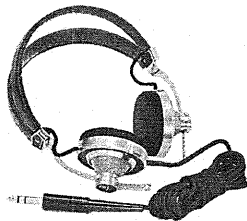
SPECIFICATIONS

Type“Open-air” stereo headphones
Speaker 1-1/2” dynamic speaker
Impedance 8Ω
Matching impedance 4 to 16Ω
Frequency response 20 to 20,000 Hz
Sound pressure level 108dB/0.4V
Maximum input 30mW (each channel)
Cord 9.8 feet (3m), with 3-P plug
Weight 8 oz. (230 g), less cord

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Speaker	38-704F	
2	Ring (L)	SNK-046-A	
3	Ring (R)	SNK-047-A	
4	Escutcheon Ring	SNB-010-A	
5	Speaker Cover	SXC-035-C	
6	Spring for Speaker Mounting	SNA-003-0	
7	Head Band Assembly	SXC-034-C	
8	Escutcheon Template (L, R)	SAX-011-0	
9	Stopper	SLA-002-0	
10	Screw Cross Pan Head 2.3 x 5		
11	3-P Plug with Cord	SKM-002-0	
12	Cord Clamper	SEF-003-0	
13	Resistor	SCN-001-0	
14	Ear Pad	SXC-069-0	
	Packing Case	SHG-019-0	
	Decorated Package	SHF-006-0	
	Operating Guide	SRB-011-0	



14. SE-305

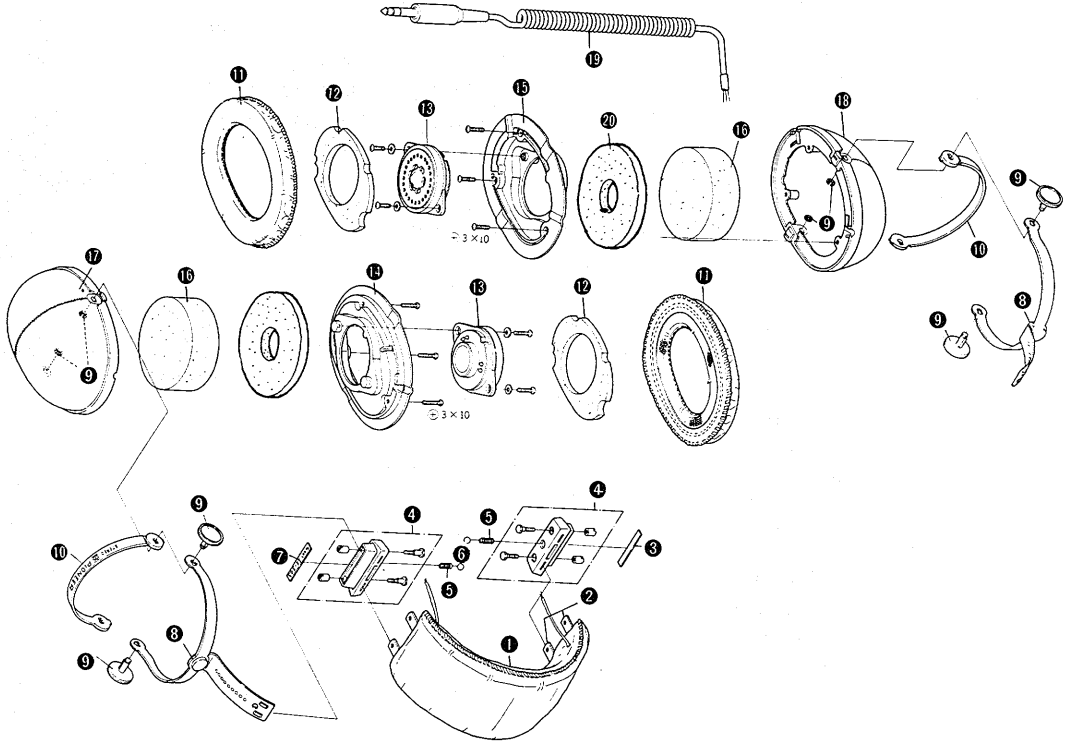
SPECIFICATIONS

Speaker 45φmm (1-3/4 in) dynamic speaker
Impedance 8Ω
Matching impedance 4 to 16Ω
Frequency response 20 to 20,000 Hz
Sound pressure level 108 dB/0.3V
Maximum input 500mW (each channel)
Cord length Retractable coiled cord extensible up
to 16.4 feet (5m), with 3-P plug
Weight 435g (16 oz), less cord

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Head pad	SCD-434-0	
2	Head band A	SNB-058-0	
3	Name plate (Left)	SAL-263-0	
4	Head band holder Ass'y A	SXC-077-0	
5	Spring	SBH-001-0	
6	Steel ball 4φ	SEF-022-0	
7	Name plate (Right)	SAL-263-A	
8	Head band B	SNB-059-0	
9	Shaft	SXC-079-0	
10	Band	SNB-060-0	
11	Ear pad	SCD-431-0	
12	Acoustic material	SMT-065-B	
13	Speaker assembly	45-702F	
14	Protection board (Right)	SNK-075-0	
15	Protection board (Left)	SNK-074-0	
16	Acoustic material with 20		
17	Case (Right)	SCC-231-0	
18	Case (Left)	SCC-230-0	
19	Coiled cord with 3-P Plug	SXC-078-0	
	Operating guide	SRB-061-0	
	Plastic case	SXC-073-0	
	Packing case	SHG-051-0	



15. SE-505

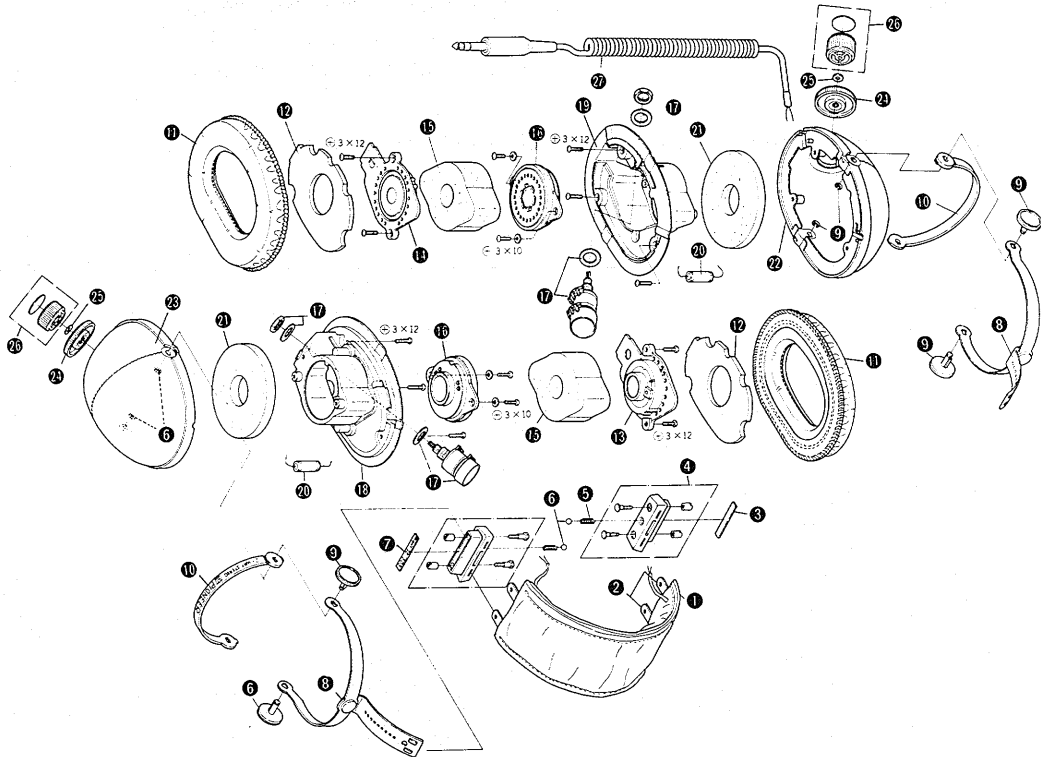
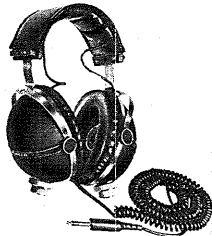
SPECIFICATIONS

Speaker Woofer-polyester cone 45φmm (1-3/4 in)
Tweeter-polyester cone 32φmm (1-1/4 in)
Impedance 8Ω
Matching impedance 4 to 16Ω
Frequency response 20 to 20,000 Hz
Sound pressure level 108 dB/0.3V
Maximum input 500mW (each channel)
Cord length Retractable coiled cord extensible up
to 5m (16.4 feet), with 3-P plug
Weight 690g 1lb 8oz. less cord
Subfunction Volume control
Tone control

NOTE:
Specifications and the design subject to possible modification without notice
due to improvements.

PARTS LIST

Key No.	Description	Part No.	
1	Head pad with lead wire	SXC-082-0	
2	Head band A	SNB-066-0	
3	Name plate (Left)	SAL-271-0	
4	Head band holder Assembly B		
5	Spring	SBH-001-0	
6	Steel ball 4φ	SEF-022-0	
7	Name plate (Right)	SAL-271-A	
8	Head band B	SNB-067-0	
9	Shaft	SXC-080-0	
10	Band	SNB-065-0	
11	Ear pad	SCD-441-0	
12	Acoustic material	SMT-090-0	
13	Tweeter assembly (Right)	SXC-085-0	
14	Tweeter assembly (Left)	SXC-079-0	
15	Acoustic material		
16	Woofer assembly	45-703F	
17	Volume control assembly	SXC-083-0	
18	Protection board (Right)	SNK-085-0	
19	Protection board (Left)	SNK-084-0	
20	Capactor 8μF 10V NP		
21	Acoustic material		
22	Case (Left)	SCC-232-0	
23	Case (Right)	SCC-233-0	
24	Knob (Tone control)	SAA-088-0	
25	Knob washer	SEC-119-0	



Key No.	Description	Part No.	
26	Knob assembly (Volume control)	SXC-084-0	
27	Coiled cord with 3-P plug	SXC-078-0	
	Operating guide	SRB-061-0	
	Plastic case	SXC-074-0	
	Packing case	SHG-052-0	

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