

ADDITIONAL



PIONEER
The future of sound and vision.

Service Manual

ORDER NO.
ARP1754

STEREO AMPLIFIER

A-445

A-445-S

A-335

A-335-S

MODEL A-445, A-445-S, A-335 and A-335-S HAVE FOLLOWING VERSIONS:

Type	Applicable model				Power requirement	Export destination
	A-445	A-445-S	A-335	A-335-S		
HEZ	○	○	○	○	AC220, 240V (switchable)	West Germany
HE	○	—	○	—	AC220, 240V (switchable)	European continent
HB	○	—	○	—	AC220, 240V (switchable)	United Kingdom
SD	○	—	—	—	AC110, 120-127, 220, 240V (Switchable)	Kingdom of Saudi Arabia and general market
KC	○	—	—	—	AC120V only	Canada
KUC	—	—	○	—	AC120V only	U.S.A. and Canada

● Refer to the service manual ARP1581, A-443/HE type.

- This manual is applicable to the A-445/HEZ, HE, HB, A-445-S/HEZ, A-335/HEZ, HE, HB and A-335-S/HEZ types.
- For the other types, refer to additional service manuals.
- The A-445-S is silver versions of A-445.
- The A-335-S is silver versions of A-335.
- The A-445/HEZ is the same as the A-443/HEZ except for the minor differences.
- The A-445-S/HEZ is the same as the A-443-S/HEZ except for the minor differences.
- The A-445/HE is the same as the A-443/HE except for the minor differences.
- The A-445/HB is the same as the A-443/HB except for the minor differences.
- The A-335/HEZ is the same as the A-333/HEZ except for the minor differences.
- The A-335-S/HEZ is the same as the A-333-S/HEZ except for the minor differences.
- The A-335/HE is the same as the A-333/HE except for the minor differences.
- The A-335/HB is the same as the A-333/HB except for the minor differences.

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A.
PIONEER ELECTRONICS OF CANADA, INC. 505 Cochrane Drive, Markham, Ontario L3R 8E3 Canada
PIONEER ELECTRONIC [EUROPE] N.V. Keetberglaan 1, 2740 Beveren, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911
© **PIONEER ELECTRONIC CORPORATION 1989**

MV APR. 1989

1. FOR A-445/HEZ, HE, HB AND A-445-S/HEZ TYPES

CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- Parts without part number cannot be supplied.
- The Δ 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 “ \odot ” are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

The A-445/HEZ, HE, HB and A-445-S/HEZ types are the same as the A-443/HE type with the exception of the following sections.

Mark	Symbol & Description	Part No.				
		A-443/HE	A-445/HEZ	A-445/HE	A-445/HB	A-445-S/HEZ
Δ	AC power cord	ADG1019	ADG1019	ADG1019	ADG-051	ADG1019
Δ	Fuse (T2.5A) (FU1)	AEK-403	AEK-403	AEK-403	AEK-512	AEK-403
	Remote slide switch (S2)	ASU1012	ASU1013	ASU1013	ASU1013	ASU1013
	Remote slide switch (S1)	ASU1014	ASU1015	ASU1015	ASU1015	ASU1015
	Nut	NK90FUC	NK90FZB	NK90FZB	NK90FZB	NK90FZB
	Screw	.....	BBT30P060FZK	.....	.....	.....
	Front panel	ANB1180	ANB1289	ANB1289	ANB1289	ANB1290
	Name plate	AAM-030	AAM1029	AAM1029	AAM1029	AAM1029
	Knob L	AAB1064	AAB1105	AAB1105	AAB1105	AAB1106
	Knob M	AAB1066	AAB1094	AAB1094	AAB1094	AAB1096
	Knob S	AAB1068	AAB1068	AAB1068	AAB1068	AAB1069
	Knob B	AAD-418	AAD-418	AAD-418	AAD-418	AAD1368
	Knob C	AAD1366	AAD1366	AAD1366	AAD1366	AAD1367
	Knob	AAD1162	AAD1536	AAD1536	AAD1536	AAD1538
	Knob (POWER)	AAD1343	AAD1535	AAD1535	AAD1535	AAD1537
	Instruction manual (English/German/French/ Italian/Dutch/Swedish/ Spanish/Portuguese)	ARE1073	.....	ARE1112	.....	.....
	Instruction manual (German)	.....	ARC1130	.....	.....	ARC1130
	Instruction manual (English)	.....	.....	.....	ARB1164	.....
	Packing case	AHD1392	AHD1610	AHD1610	AHD1610	AHD1611
	Resister (R1)	.....	RDR1/4PM6R8J	.....	.....	RDR1/4PM6R8J
	Screw	ABA-297	.....	.....	.....	.....
	Screw 3 x 14	.....	ABA1082	ABA1082	ABA1082	ABA1082
	Panel base	AMB1334	AMB1334	ABM1334	ABM1334	AMB1335
	Bonnet	AZN1746	AZN1799	AZN1746	AZN1746	AZN1800
	Phone amp assembly	Non supply	Non supply	Non supply	Non supply	Non supply
	AF complex assembly	AWZ1890	AWZ1884	AWZ1884	AWZ1884	AWZ1884
	Speaker switch assembly	Non supply	Non supply	Non supply	Non supply	Non supply
	Headphone assembly	Non supply	Non supply	Non supply	Non supply	Non supply

NOTE: The A-445/HEZ, A-445/HE, A-445/HB and A-445-S/HEZ are the same as the A-443/HEZ, A-443/HE, A-443/HB and A-443-S/HEZ. Besides the assembly, the electrical parts for the remote slide switch (S1, S2), are shown in the figure above. Other electric parts are same in the A-443/HEZ, A-443/HE, A-443/HB and A-443-S/HEZ. Refer to the A-443/HEZ, A-443/HE, A-443/HB and A-443-S/HEZ Service manual A-443/HE (ORDER NO. ARP1581) for more detailed explanations of the SCHEMATIC DIAGRAM, P.C. BOARDS CONNECTION DIAGRAM and ELECTRICAL PARTS LIST.

2. FOR A-335/HEZ, HE, HB AND A-335-S/HEZ TYPES

CONTRAST OF MISCELLANEOUS PARTS

The A-335/HEZ, HE, HB and A-335-S/HEZ types are the same as the A-443/HE type with the exception of the following sections.

Mark	Symbol & Description	Part No.				
		A-443/HE	A-335/HEZ	A-335/HE	A-335/HB	A-335-S/HEZ
△	Transistor (A3, Q4)	2SA1302	2SA1264N	2SA1264N	2SA1264N	2SA1264N
△	Transistor (A1, Q2)	2SC3281	2SC3181N	2SC3181N	2SC3181N	2SC6181N
	Carbon resistor (R1)	.....	RD1/4PM6R8J	.....	.....	RD1/4PM6R8J
	Capacitor (C1)	CQMXA104J100	CQMXA473J100	CQMXA473J100	CQMXA473J100	CQMXA473J100
△	Power transformer (T1)	ATS1137	ATS1138	ATS1138	ATS1138	ATS1138
	Remote slide switch (S2)	ASU1012	ASU1013	ASU1013	ASU1013	ASU1013
	Remote slide switch (S1)	ASU1014	ASU1015	ASU1015	ASU1015	ASU1015
△	Fuse (T2.5A) (FU1)	AEK-403	.....	.....	.....	.....
△	Fuse (T1.6A) (FU1)	.....	AEK-405	AEK-405	AEK-510	AEK-405
△	AC power cord	ADG1019	ADG1019	ADG1019	ADG-051	ADG1019
	Screw	ABA-297	.....	.....	.....	.....
	Screw 3 x 14	.....	ABA1082	ABA1082	ABA1082	ABA1082
	Nut	NK90FUC	NK90FZB	NK90FZB	NK90FZB	NK90FZB
	Front panel	ANB1180	ANB1291	ANB1291	ANB1291	ANB1292
	Panel base	AMB1334	AMB1334	AMB1334	AMB1334	AMB1335
	Name plate	AAM-030	AAM1029	AAM1029	AAM1029	AAM1029
	Knob S	AAB1068	AAB1068	AAB1068	AAB1068	AAB1069
	Knob M	AAB1066	AAB1094	AAB1094	AAB1094	AAB1096
	Knob L	AAB1064	AAB1105	AAB1105	AAB1105	AAB1106
	Knob B	AAD-418	AAD-418	AAD-418	AAD-418	AAD1368
	Knob C	AAD1366	.....	.....	.....	.....
	Knob (POWER)	AAD1343	AAD1535	AAD1535	AAD1535	AAD1537
	Knob	AAD1162	AAD1536	AAD1536	AAD1536	AAD1538
	Bonnet	AZN1746	AZN1799	AZN1746	AZN1746	AZN1800
	Instruction manual. (English/German/French/ Italian/Dutch/Spanish/ Portuguese)	ARE1073	.....	ARE1112	.....	.....
	Instruction manual (German)	.....	ARC1130	.....	.....	ARC1130
	Instruction manual (English)	.....	.....	.....	ARB1164	.....
	Screw	.....	BBT30P060FZK	.....	.....	.....
	Packing case	AHD1392	AHD1612	AHD1612	AHD1612	AHD1613
	Joint arm	AMR1161	.....	.....	.....	.....
	Heat sink	Non supply	Non supply	Non supply	Non supply	Non supply
	Phone amp assembly	Non supply	Non supply	Non supply	Non supply	Non supply
	AF complex assembly	AWZ1890	AWZ1894	AWZ1894	AWZ1894	AWZ1894
	Speaker switch assembly	Non supply	Non supply	Non supply	Non supply	Non supply
	Headphone assembly	Non supply	Non supply	Non supply	Non supply	Non supply
	Transformer assembly	.....	Non supply	Non supply	Non supply	Non supply

NOTE: The assembly and other electrical parts in A-335-S/HEZ, A-335/HE, A-335/HB and A-335-S/HEZ are the same as those in the A-333/HEZ, A-333/HE, A-333/HB and A-333-S/HEZ.
Refer to the A-333/HEZ, A-333/HE, A-333/HB and A-333-S/HEZ Service manual A-443HE (ORDER NO. ARP1581) for more detailed explanations of the SCHEMATIC DIAGRAM, P.C.BOARDS CONNECTION DIAGRAM and ELECTRICAL PARTS LIST.