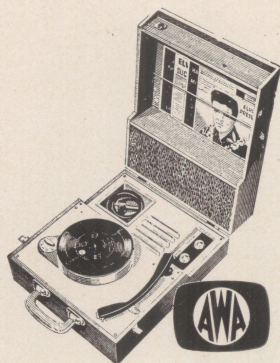


TECHNICAL INFORMATION AND SERVICE DATA

MANUFACTURERS



SUPERVISED SERVICE



MODEL B28

AWA PORTABLE RECORD PLAYER

ISSUED BY

AMALGAMATED WIRELESS (AUSTRALASIA) LTD.

GENERAL DESCRIPTION

Model B28 is a four transistor, battery operated, four speed record player, designed for the reproduction of non-stereophonic records. Two separate batteries are used, one for the motor and one for the amplifier.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Power Output $\frac{1}{2}$ Watt
Loudspeaker 7" x 5" 50189
V.C. Impedance 15 ohms at 400 c.p.s.

Transistor Complement:

A.W.V. 2N408 Audio Amplifier
A.W.V. 2N408 Driver
A.W.V. 2N217S (2 off) Push-pull output

Batteries:

Amplifier 9 Volt Eveready type 2761
Record Player 9 Volt Eveready type 739

Dimensions:

Height 5-13/16"
Depth 17-1/32"
Width 13-7/8"
Weight (packed) 15 lbs.

BATTERY REPLACEMENT

To change batteries, loosen the two coin-slotted screws in the rear chassis plate until free. This panel will lift, allowing easy replacement of either or both batteries. The black and red leads plug into the 2761 battery, the orange and white plug into the 739 battery.

CHASSIS REMOVAL

Undo the two coin-slotted screws in the rear plate, lift free and remove the two speaker leads. Remove five screws around the edge of the metal motor plate and lift free.

Do not lift the motor plate by the turntable or pick-up arm.

To remove the loudspeaker, fold back the four screw covers in the corner of the fret cloth and remove the four screws.

To remove the record player unit from its base plate, remove three screws and disconnect the two motor leads before lifting free.

CIRCUIT CODE RADIOLA TRANSISTOR RECORD PLAYER B28

CODE No.	DESCRIPTION	PART No.	CODE No.	DESCRIPTION	PART No.
RESISTORS					
All Resistors $\pm 10\%$ Carbon unless otherwise stated.					
R1	47K ohms	$\frac{3}{8}$ watt cracked carbon 614984	C3	20 μ f 10VW Electrolytic	229309
R2	3.9K ohms	$\frac{3}{8}$ watt cracked carbon 610568	C4	100 μ f 3VW Electrolytic	229706
R3	470 ohms	$\frac{1}{2}$ watt 606588	C5	0.1 μ f $\pm 20\%$ 200VW Hunts W48	228931
R4	3.9K ohms	$\frac{1}{2}$ watt 610556	C6	25 μ f 3VW Electrolytic	229428
R5	820 ohms	$\frac{1}{2}$ watt 607665	C7	75 μ f 10VW Electrolytic	229675
R6	100 ohms	$\frac{1}{2}$ watt 604031	C8	0.0068 μ f $\pm 5\%$ 600VW Styroseal	226231
R7	22K ohms	$\frac{1}{2}$ watt 613653	C9	100 μ f 3VW Electrolytic	229706
R8	2.7K ohms	$\frac{1}{2}$ watt 609862	C10	0.0047 μ f $\pm 20\%$ 400VW Paper	225973
R9	10K ohms	$\frac{1}{2}$ watt 612025	C11	0.25 μ f $\pm 20\%$ 200VW Hunts W48	229007
R10	120K ohms	$\frac{1}{2}$ watt 601077	TRANSFORMERS		
R11	22 ohms	$\frac{1}{2}$ watt 602320	TR1	Driver Transformer	51774A
R12	1K ohm	$\frac{1}{2}$ watt 608025	TR2	Output Transformer	51776A
R13	3.3K ohms	$\frac{1}{2}$ watt 610304	TRANSISTORS		
R14	100 ohms	$\frac{1}{2}$ watt 604031	VT1	A.W.V. 2N408	
R15	5.6 ohms $\pm 5\%$	$\frac{1}{2}$ watt W.W. 600714	VT2	A.W.V. 2N408	
R16	5.6 ohms $\pm 5\%$	$\frac{1}{2}$ watt W.W. 600714	VT3	A.W.V. 2N217S	
R17	22 ohms	$\frac{1}{2}$ watt 620320	VT4	A.W.V. 2N217S	
RV1	15K ohms curve "A" Volume	620263	MISCELLANEOUS		
RV2	20K ohms curve "A" Tone W/S	620264	LS1	7" x 5" Permanent Magnet Speaker	50189
CAPACITORS			SW1	ON-OFF Switch (on RV2)	
C1	0.25 μ f $\pm 20\%$ 200VW Hunt W48	229007	TH1	Comp. Diode A.W.V. AS2	
C2	320 μ f 10VW Electrolytic	229776			

MECHANICAL REPLACEMENT PARTS

ITEM	PART No.	ITEM	PART No.
Chassis:		Cabinet:	
Base Plate, Record Player	63401	Badge Base	131734
Bracket, Battery Plate Retaining	63404	Badge Insert	119165
Cable, Amplifier Battery	49003	Cabinet	60241
Cable, Motor Battery	49004	Knob Assembly, Power/Tone	63410
Cable, Speaker	49002	Knob Assembly, Volume	62269
Cover Plate, Battery	63402	Nameplate, "Radiola"	577910
Nut, Spire, Battery Plate Retaining	492119	Nameplate, "Transistor"	578353
Plate, Control Names	63408	Signatape	62241
Screws, Coin Slotted	63406	Spring, 12-3/4", Record Retainer	259530
Turntable Tone Arm	62255	Screws, No. 4 x 5/8" S/T	760294
		Styli Replacement, "78"	TC8G
		"LP"	TC8R

NOTE: When ordering spares, always quote the above Part Numbers, and in the case of coloured parts, such as knobs, etc., also quote the colour.