TECHNICAL INFORMATION AND SERVICE DATA

RADIOLA

Model 581-PY

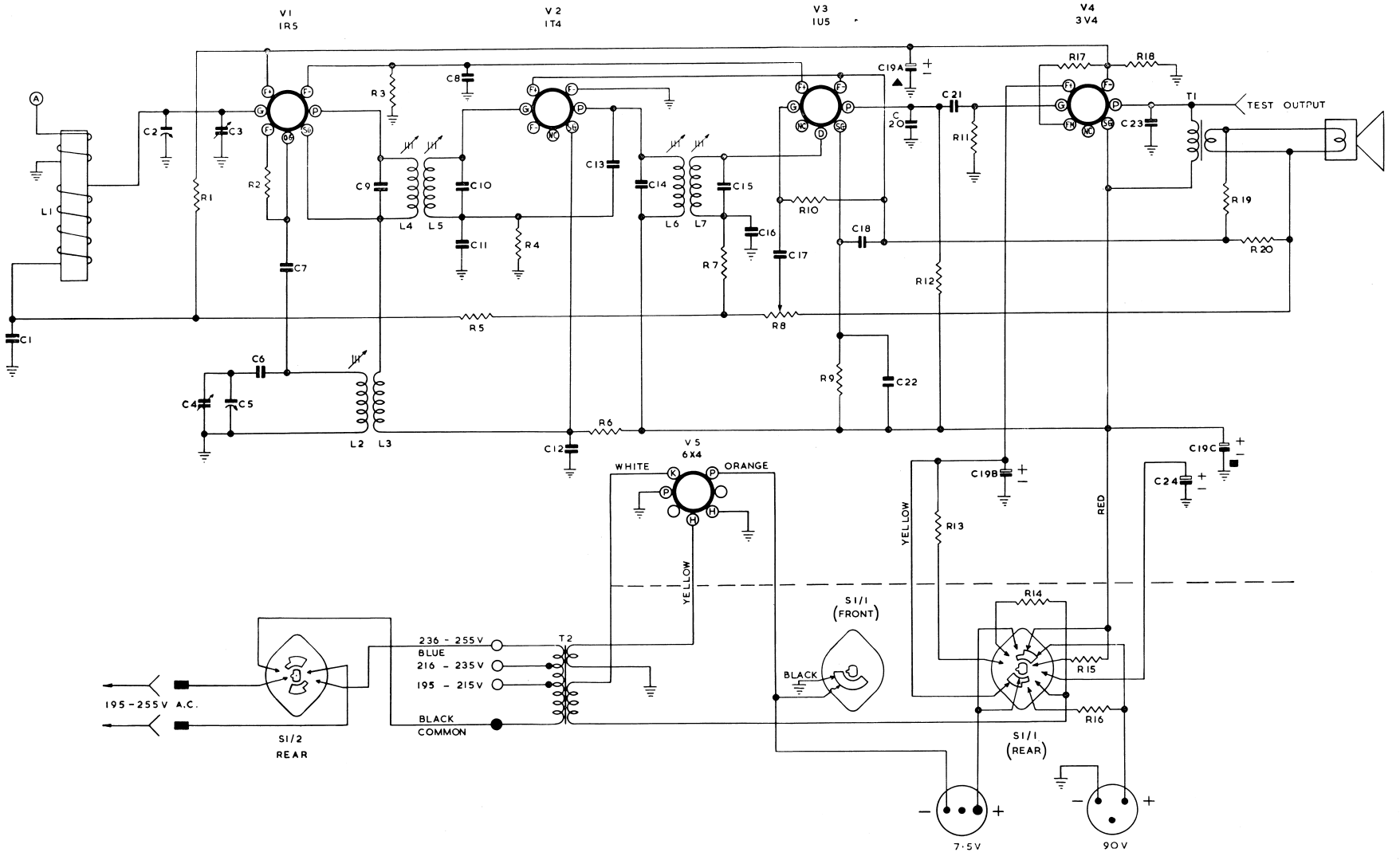
ISSUED BY:
AMALGAMATED WIRELESS (AUSTRALASIA) LTD.

Apart from the Mechanical Replacement Parts and the Circuit and Code, refer to the 581-P and 581-PZ Service Manual for all other technical and mechanical information.

MECHANICAL REPLACEMENT PARTS

ITEM	PART NUMBER
Aerial Support Assembly	35271
Cabinet	28138
Cable, Battery	35428
Cable, Power	250450
Dial Scale:	
N.S.W.	32262
Vic.	32263
Qld.	32264
S.A.	32265
W.A.	32266
Tas.	32267
Fret, Speaker	36370
Knob Assembly, Power Selector	31839
Knob Assembly, Tuning	35276
Knob Assembly, Volume	35275
Nameplate, Radiola	35278
Panel Assembly	35262
Pin Jack Assembly	27685
Socket and Bracket Assembly	35258
Socket, Floating Assembly	35156
Socket, Valve 7 Pin	794576
Strap	35252
Trim-Frame	35251

When ordering, always quote the above Part Numbers and in the case of coloured parts such as cabinets, knobs, etc., the colour plus the Part Number.


V1
1R5
V2
1T4
V3
1U5
V4
3V4
V5
6X4
A
L1
C1
C2
C3
R1
R2
C7
C6
C4
C5
L2
L3
R3
C8
C9
L4
L5
C10
C11
R4
C13
C14
L6
L7
C15
C16
R7
C17
R5
R6
C12
R10
C18
R8
C19A
C20
R12
R9
C22
C21
R11
R17
R18
T1
TEST OUTPUT
C23
R19
R20
C19B
C19C
C24
R13
R14
R15
R16
WHITE
ORANGE
YELLOW
YELLOW
RED
S1/1
(FRONT)
BLACK
S1/1
(REAR)
T2
236 - 255V
BLUE
216 - 235V
195 - 215V
BLACK
COMMON
195 - 255V A.C.
S1/2
REAR
7·5V
90V

CIRCUIT CODE—RADIOLA PORTABLE MODEL 581-PY

Code No.	Description	Part No.
	INDUCTORS	
L1	Ferrite Aerial Assembly	35432
L2, L3	Oscillator Coil 540-1600 Kc/s	30777
L4, L5	1st I.F. Transformer	35434
L6, L7	2nd I.F. Transformer	35434
	RESISTORS	
	All resistors ± 20% unless otherwise stated.	
R1	3.3 megohms ± 10% ½ watt	
R2	0.1 megohm ½ ,,	
R3	820 ohms ± 10% ½ ,,	
R4	4.7 megohms ½ ,,	
R5	3.3 megohms ± 10% ½ ,,	
R6	13,000 ohms ± 5% ½ ,,	
R7	47,000 ohms ½ ,,	
R8	1.0 megohm Volume Control	35267/9
R9	3.3 megohms ½ ,,	
R10	10 megohms ½ ,,	
R11	1.0 megohm ½ ,,	
R12	0.47 megohm ½ ,,	
R13	1,100 ohms ± 5% 3 watts (W.W.)	
R14	1,200 ohms ± 5% 3 ,, (W.W.)	
R15	1,800 chms ± 10% 1 watt	
R16	470 ohms ± 10% ½ ,,	
R17	470 ohms ± 10% ½ ,,	
R18	820 ohms ± 10% ½ ,,	
R19	820 ohms ½ ,,	
R20	30 ohms ½ ,,	
	CAPACITORS	
C1	0.047 μF paper 200V working	
C2	12-445 μμF Tuning	18687
C3	4-27 μμF Trimmer (on gang)	33304
C4	8-40 μμF Trimmer (on gang)	Code No. 231185
C5	12-445 μμF Tuning	18687
C6	470 μμF padder ± 2½%	
C7	68 μμF silvered mica	
C8	0.1 μF paper 200V working	
C9	47 μμF silvered mica (in 1st I.F.)	
C10	47 μμF silvered mica (in 1st I.F.)	
C11	0.01 μF paper 200V working	
C12	0.047 μF paper 200V working	
C13	6.8 μμF ceramic	
C14	47 μμF silvered mica (in 2nd I.F.)	
C15	47 μμF silvered mica (in 2nd I.F.)	
C16	220 μμF mica	
C17	0.047 μF paper 200V working	
C18	0.047 μF paper 200V working	
C19A	40 μF 40 P.V. electrolytic	
C19B	400 μF 12 P.V. electrolytic	
C19C	40 μF 175 P.V. electrolytic	
C20	100 μμF mica	
C21	0.0027 μF paper 400V working	
C22	0.01 μF paper 200V working	
C23	0.0047 μF paper 400V working	
C24	50 μF 200 P.V. electrolytic	
	TRANSFORMERS	
T1	Loudspeaker Transformer	21135
T2	Power Transformer 50 c/s.	25835
	40 c/s.	25837
	LOUDSPEAKER	
	4 inch permanent magnet	21018
	SWITCHES	
S1	Power Selector	36374


AWA