

Convertible "8" A.W.A. Car Radio/Portable

Models 954-A, 954-B, 954-C, 955-A & 956-A

Also Ford Model 987-A

These models are universal or tailored 8 transistor car radios which at the turn of a key convert to a self-contained lightweight 8 transistor portable. When the portable is returned to its cradle mount its batteries are automatically trickle charged.

Features of design include:

Permeability tuning; fully transistorised circuitry; printed board construction in portable chassis; automatic change-over from portable to car radio when inserted in housing cradle; telescopic aerial for portable use; nickel cadmium rechargeable cells in portable; dash-panel lock.

MODEL DESIGNATIONS

A.W.A. Model No.	Manufactured for	Where Used	Accessories Reference	Speaker	Operating Conditions
954-A	A.W.A.	Universal Under dash	954-A	7" x 5" 50064W	12V positive or negative earth
954-B	A.W.A.	Universal Under dash	954-B	6" x 4" 50053W	12V positive or negative earth
954-C	A.W.A.	Holden "EJ" Holden "EH"	954-C	9" x 6" 50035	12V negative earth
955-A	A.W.A.	VW 1200	955-A	7" x 5" 50064W	6V negative earth
956-A	A.W.A.	VW 1500	956-A	6" x 4" 50053W	6V negative earth
987-A	Ford	Falcon XM	XM 18805-P	7" x 5" 50144W	12V negative earth

Frequency Range 525-1620 Kc/s (570-182 metres)

Intermediate Frequency 455 Kc/s

Battery Voltage (car radio) (See above table)

Battery Consumption (car radio) 0.18A (12 volts)
0.3A (6 volts)

Battery Voltage (portable) 5 volts
(4 off Eveready No. 46 Nickel Cadmium Cells)

Battery Consumption 16 mA zero output
60 mA full output

Loudspeakers: Portable 3½" centre tapped (50127)

Car Radio (See above table)

V.C. Impedance at 400 cps: Portable 80 ohms centre tapped
Car Radio 15 ohms

Undistorted Power Output: Portable 200 mW

Car Radio 1.5 watts (12 volts)
1 watt (6 volts)

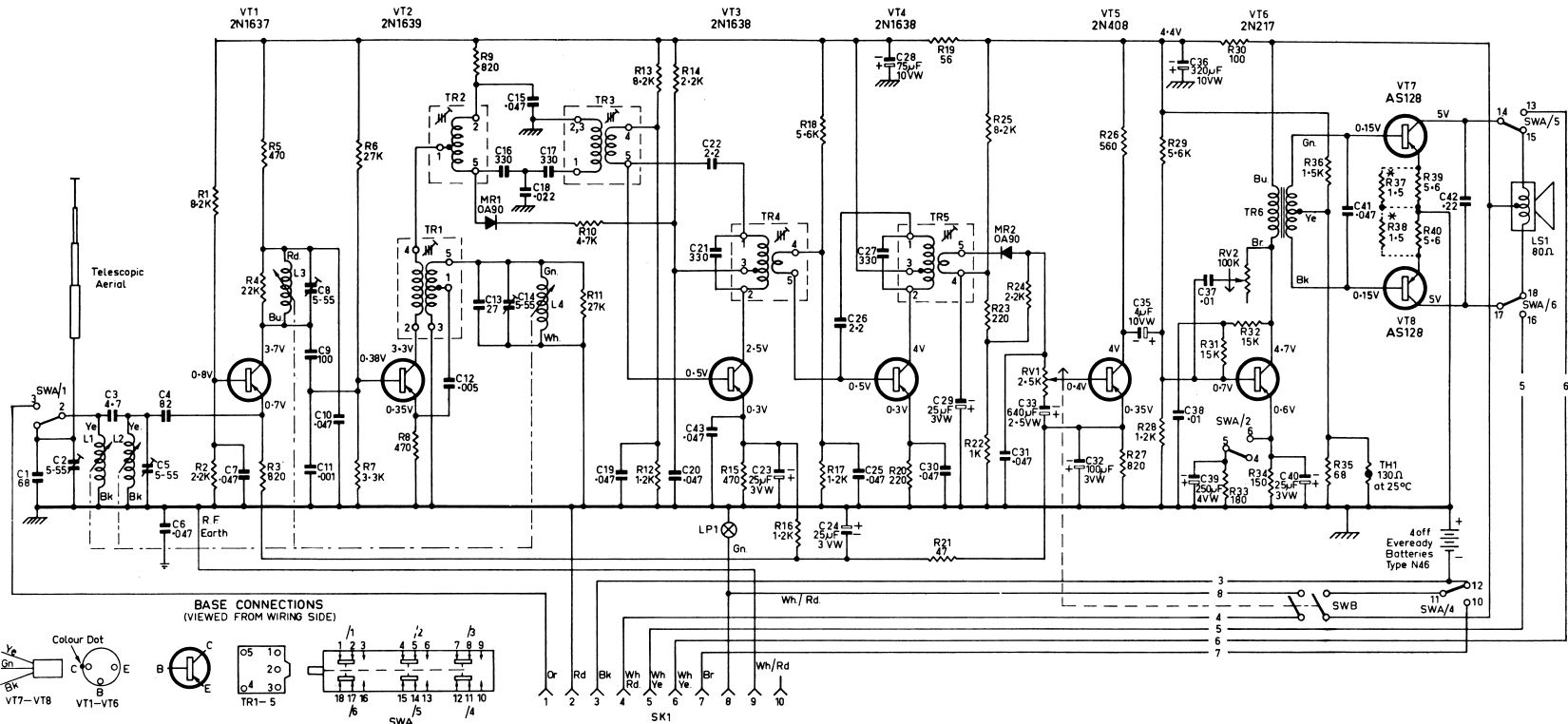
Controls

Tuning Control—front right hand
ON/OFF Volume and Tone Controls (concentric)—front left hand
Polarity Change Switch (where fitted)—rear left hand side of cradle.
N.B. Negative earth operation in down position.

Transistor and Diode Complement

AWV 2N1637	R.F. Amplifier
AWV 2N1639	Converter
AWV 2N1638	1st I.F. Amplifier
AWV 2N1638	2nd I.F. Amplifier
AWV 2N408	Audio Preamp.
AWV 2N217	Audio Driver
AWV AS128 (2 off)	Class B, P-P Output
OA90 or 1N87A (2 off)	Detector and Overload

Portable Section of AWA Car Radio/Portable 954 Series



NOTES — (shown in portable position)

Voltages measured with no signal input with a 20,000 ohm/volt meter.
 Voltages shown are all negative with respect to the positive rail of the printed board and are representative of portable use with 5 volts supply.
 When used as a 6 volt car radio voltages will be about 10% higher, for 12 volts use about 20% higher.

C R 1083

* R37 and R38 replace R39 and R40 in models 955A and 956A.
 R41 a 6.8K ± 10% ½ watt IRC resistor 611526 has been added in parallel with R36.