AIR CHIEF

CAR RADIO DIVISION, ELECTRONIC INDUSTRIES LTD.

ASTOR HOUSE: 161-173 STURT STREET, SOUTH MELBOURNE Phone: 69 0300

SERVICE DATA

PN-C7B-1

File: RECEIVERS GENERA

Date: 28/8/1963

Page: 1.

MODEL PN-C7B

8 TRANSISTOR SUPERHETERODYNE

12 VOLT CAR RADIO

(Battery negative terminal connected to chassis)

Push Button and Manual Tuning

ESPECIALLY DESIGNED FOR HOLDEN MODELS "EJ" AND "EH"



TUNING RANGE

- 525 - 1615 Kilocycles

POWER OUTPUT
OUTPUT IMPEDANCE

- 8 Watts

OUTPUT IMPEDANCE - 15 Ohms

CURRENT CONSUMPTION - No Input - 390mA (does not include dial lamp)

SETTING THE PUSH BUTTONS

- 1. Unlock push buttons by pulling outward.
- 2. Tune a desired station with the manual tuning knob.
- 3. Press one of the push buttons fully in.
- 4. Repeat above procedure to set remaining four buttons.

Information contained herein must not be reproduced without prior written permission from Radio Corporation Pty. Ltd.

BROADCAST ALIGNMENT

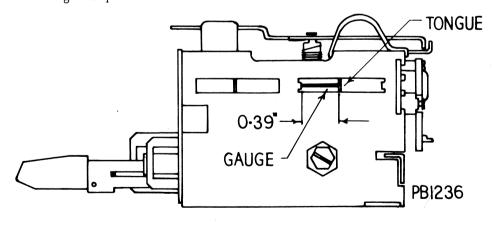
When iron cores or tuning unit coil assy. have been replaced or if station logging is outside limits.

Oper.	Generator	Generator						
No.	Connection	Frequency	Instructions					
1.	Connect IF, attenuator to test j	pins "B" and "C" (resis	tor to pin "C").					
2.	Turn perm. tuner against high frequency end of travel stop. Set all iron cores so that not less than 1/8" of shaft protrudes out through front panel of receiver.							
3.	To aerial Lead-in Socket. 65pF. dummy aerial series	1625 Kc/s	Adjust Osc. RF and both Aerial trimmer capacitors for max. output.					

4. In the side of tuning unit, opposite end to tuning spindle there are two slots; place a gauge in the form of a flat piece of metal 0.39" wide into slot nearest rear of tuner. The 0.39" gauge is to be against projection at front edge of slot. Refer diagram. NOTE. Do not strain or tilt core carriage. Gently turn tuning spindle until the metal tongue touches the gauge.

	As oper. 3.	1000 Ko	a	With tuner set in position detailed, adjust Osc., RF. and both Aerial iron cores for maximum output.
5.	As oper. 3.	600 Kd	а	Rock tuning control through signal, adjust Osc. shunt coil iron core for nax. output.

- 6. Turn tuning control to low freq. end of travel (iron cores full in). Tune signal generator to receiver. The low freq. tuning limit should be between 510 and 528 Kc/s.
- 7. Repeat operation 4.
- 8. Align dial pointer.



SETTING OF DIAL POINTER

Disconnect the IF attenuator.

Disconnect the generator cable from dummy aerial then connect 20 ft., of aerial wire to the dummy aerial terminal.

Accurately tune the receiver to a station marked on the dial near 1000 Kc/s. Using a screwdriver, adjust by bending the pointer carriage arm so that pointer coincides with the centre of the tuned station call sign.

Check dial logging and if necessary readjust pointer carriage arm.

PN-C7B

OPERATION OF OUTPUT TRANSISTORS AS MATCHED PAIRS

The type AT1138 transistors are operated in matched pairs, replacements MUST be made accordingly, and NOT as single units.

Matched pairs as used in this receiver are identified by a colour dot or stripe on top of transistor body. Various batch colours are in use. Transistors which have different coloured dots must not be operated together.

REPLACEMENT OF OUTPUT TRANSISTORS

When refitting or replacing transistors check that the mount positions and mount faces are clean and free from dust, grit or metal particles.

Smear a thin film of silicone compound Part No. 1036-001-04 on both sides of the mica and lead washers, also mount face of transistor and chassis.

Fit the insulating ferrules to the screw holes in chassis then fit mica washer lead washer and transistor. Fasten each transistor securely with two $\frac{1}{2}$ " x No. 6 screws.

MEASUREMENT AND ADJUSTMENT OF COLLECTOR CURRENT

EOUIPMENT

Current Meter: 0-1 Amp. DC. Leads terminated with Jack Plug,

Part No: 7171-015-02; positive terminal lead to tip

contact.

Supply Source: 13V DC

CONDITIONS

Connect receiver to 13V DC. NEGATIVE lead to chassis and POSITIVE lead to fuse block lead. Set Volume control at minimum. No signal applied to aerial input.

Connect speaker to receiver socket adjacent to battery lead entry. Connect meter to receiver socket located on the rear and covered

protector insert.

- 1. Switch receiver "ON" and allow to stabilize for at least five minutes.
- 2. If the collector currents indicated on meter, are outside of the limits of 160-290 mA., adjust the bias by refitting or removing the 1.2K ohm resistors (circuit numbers 92 & 94) to or from the circuit until the current reading lies within the 160-290 mA range.
- NOTE. 1. It is essential that the supply voltage is maintained at 13.0V when measuring current.
- NOTE. 2. After a long period of operation it will be noted the collector current will decrease slightly. This is normal and is caused by the warming of the negative temperature co-efficient components.
- NOTE. 3. No further adjustment of the bias should be necessary unless output transistors are replaced.

ALIGNMENT PROCEDURE

EQUIPMENT

Signal Generator - modulated 400 cps

Output Meter - 15 Ohms Impedance

Generator Series Capacitor - 1mF Part No. 4006-005-03, for IF alignment

IF Attenuator - Part No. 4121-014-01

Dummy Aerial - 65pF Part No. 4121-009-01

Alignment Tools

- (a) Chisel Point Type: Part No. 4121-005-01 for trimmer capacitor adjustment
- (b) Flat Metal Blade Type: Part No. 4121-001-01 for I. F. T. and Osc. shunt coil adjustment.
- (c) Tuning Unit Iron Core Adjustor: Part No. 4121-008-01
- (d) Alignment Gauge: Part No. 4121-022-02 for tuner 1000 Kc/s position.

Collector Current Meter Connection - Jack plug Part No. 7171-015-02

CONDITIONS

dummy in series

Remove screws and slide can off receiver.

Volume Control - maximum (fully clockwise)
Tone Control - maximum treble (fully clockw

Tone Control - maximum treble (fully clockwise)
Output Level - 50 milliwatts, output meter reading

Output Level - 50 milliwatts, output meter reading with speaker voice coil disconnected.

Output Meter Connection - 50 milliwatts, output meter reading with speaker voice coil disconnected.

Socket adjacent to receiver battery lead entry. Use plug Part No. 7171-015-02 or use original plug and leads from speaker.

or the original plug and leads from speaker.

Supply Voltage 13 OV DC. Connect negative supply lead to chassis and positive lead to fuse and Connection holder lead.

INTERMEDIATE FREQUENCY TRANSFORMER ALIGNMENT

Turn tuning control until perm. tuner iron cores are out of the coil formers. Insert 1mF capacitor in series with generator "hot" lead.

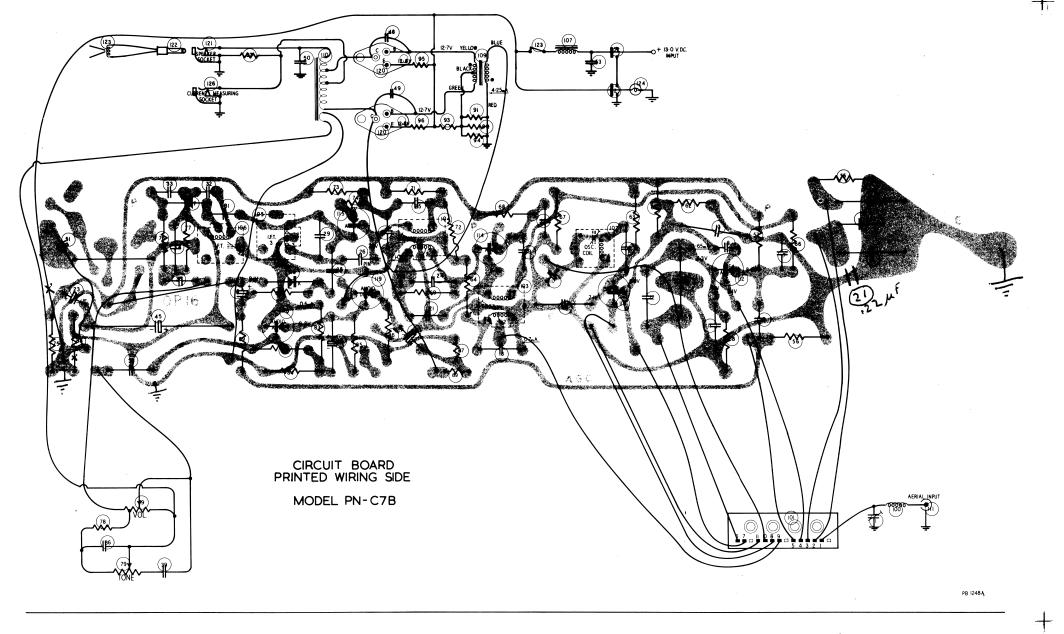
Oper. No.	Generator Connection	Generator Frequency	Instructions		
1.	To test pin "B" (term 3 of 2nd I. F. T.)	455 Kc/s	Adjust iron core of 4th IF. trans. for max. output		
2.	as Oper. 1.	455 Kc/s	Adjust iron core of 3rd IF. trans. for max. output		
3.	Repeat operations 1 & 2		1		
4.	To Terminal 8. on tuner (mixer / osc. collector)	455 Kc/s	Adjust iron core of 2nd IF, trans. for max output		
5.	To test pin "A" (RF. amp. collector)	455 Kc/s	Adjust iron core of 1st IF. trans. for max. output		

BROADCAST ALIGNMENT

If the receiver logging is satisfactory the signal circuits may be aligned as detailed.

- 1. Connect IF. attenuator to test pins "B" and "C" (resistor to pin "C")
- 2. Aerial Lead-in Socket 65 pF. 1000 Kc/s Tur

Tune receiver to generator frequency. Adjust RF. and both aerial trimmer capacitors for max. output.

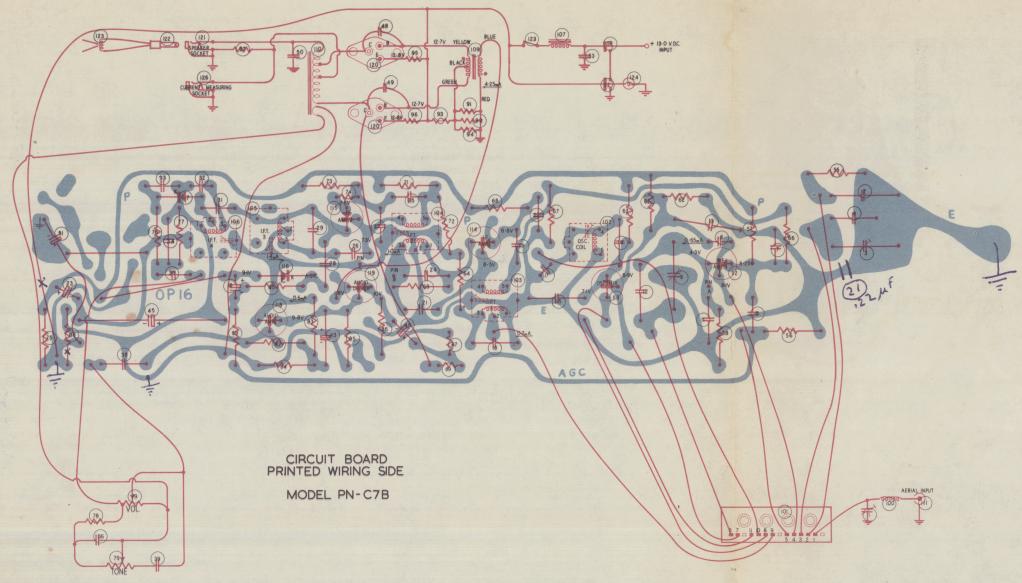


FAULT LOCATION GUIDE - GENERATOR TEST

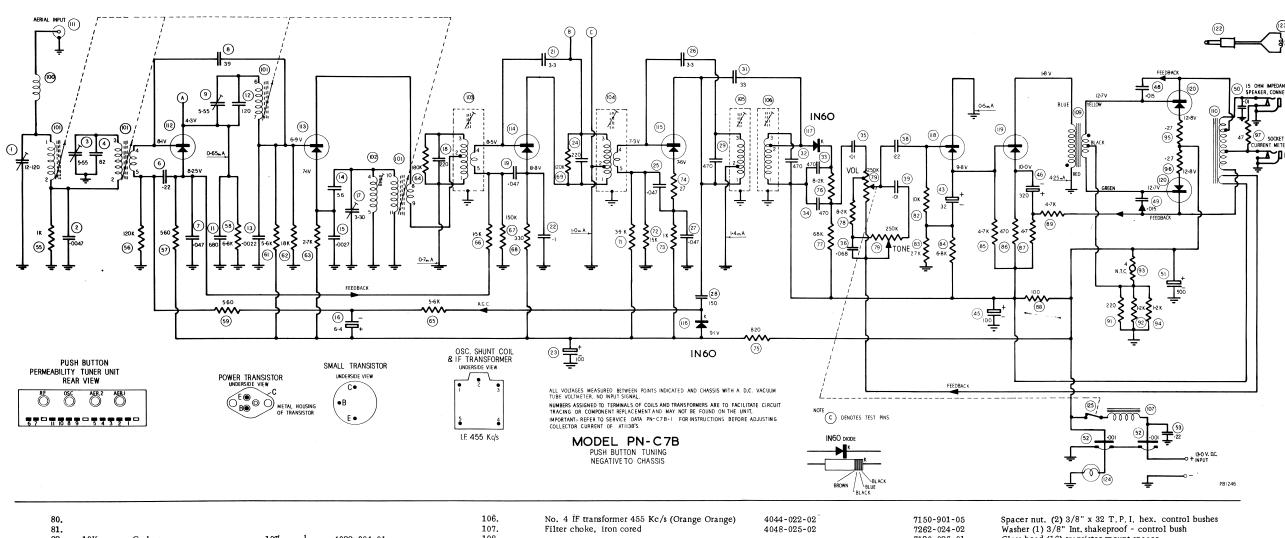
Connect generator through a 0.1 mF capacitor to the following points:- NOTE Always start with a low generator output. Strong signals may overload the receiver or cause the AGC to function.

No.	VOLUME CONTROL	CHECK POINT	SIG. GEN. FREQ.	SIGNAL STRENGTH
1.	Set at minimum	Fach output transistor base	Audio	Adjust generator to provide a low signal
2.	" " "	Audio driver transistor base	"	Increase in level of check No. 1.
3.	11 11 11	Audio amp. transistor base	"	Increase in level of check No. 2.
4.	Set at maximum	Top of volume control	"	Same level as check No. 3.
5.	" "	Detector input	4 55 Kc/s	Adjust generator to provide a low signal
6.	11 11 11	2nd IF transistor base	"	Increase in level of check No. 5.
7.	11 11 11	1st IF transistor base	**	Increase in level of check No. 6.
8.	" "	Osc/mix transistor base	"	Increase in level of check No. 7.
9.	" "	Osc/mix transistor base	Sig. Freq.	Adjust generator to provide a low signal
10.	" " "	RF transistor base	" "	Increase in level of check No. 9.
11.	11 11 11	Dummy aerial	" "	Small decrease in level of check No. 10.

Circuit No.	Va l ue	Capacitors Description	Tol †	Rating DCW	Part Number
1.	12-120pF	Trimmer, Compression			4000-026-02
2.	·0047mF	Polystyrene	5%	200V	4004-019 01
3.	5-55pF	Trimmer, Compression	10%	125V	4000 001 02 4004 020-01
4. 5.	82pF	Polystyrene	10-70	1204	
6.	·22mF	Disc, Ceramic		25V	4008 053-01
7.	· 047mF	Disc, Ceramic	1.007	25V	4008 057 03
8. 9.	39pF 5-55pF	Disc, Ceramic N750 Trimmer, Compression	10%	500V	4008 025 01 4000-001-02
10.	о оорг	Transco, Compression			
11.	680pF	Polystyrene	10%	125V	4004-016-02
12. 13.	120pF ·0022mF	Polystyrene Polystyrene	10% 10%	125V 200V	4004-010-01 4004-015-03
14.	56pF	Tubular, Ceramic N470	10%	500V	4008-030-05
15. 16.	·0027mF	Polystyrene Electrolytic	10%	200V 25V	4004-003-03 4005-029-01
17.	6·4mF 3-30pF	Electrolytic Trimmer - Wire wound		20 V	4000-025-01
18.	220pF	Polystyrene	5%	125V	4004-005-03
19. 20.	·047mF	Disc, Ceramic		25V	4008-057-03
21.	3 · 3pF	Disc Ceramic N. P. O.	. 25pF	500V	4008-014-01
22.	· 1mF	Disc Ceramic	-	25V	4008-004-04
23. 24.	100mF 220pF	Electrolytic	5%	12 V 125 V	4005-002-15 4004-005-03
25.	· 047mF	Polystyrene Disc Ceramic	0 70	25V	4008-057-03
26.	3 · 3pF	Disc Ceramic N. P. O.	· 25pF		4008-014-01
27.	·047mF	Disc Ceramic	10%	25V 125V	4008-057-03
28. 29.	150pF 470pF	Polystyrene Polystyrene	5%	125V 125V	4004-017-01 4004-002-04
30.	1.0p1	i oryoty romo	- 1-		
31.	33pF	Disc Ceramic N750	5%	500V	4008-007-08
32. 33.	470pF 470pF	Polystyrene Tubular Ceramic	5% 20%	125V 500V	4004-002-04 4008-052-05
34.	470pF	Tubular Ceramic	20%	500V	4008-052-05
35.	·01mF	Disc Ceramic	20%	25V	4008-039-07
36.	·068mF	Polyester	10%	125V	4009-013-01
37 . 38.	·22mF	Disc Ceramic		25 V	4008-053-01
39.	· 01mF	Polyester	10%	125V	4009-014-01
40.					
41. 42.					
43.	32mF	Electrolytic		2.5V	4005-021-03
44.	100m F	Electrolytic		16V	4005-002-18
45. 46.	100mF 320mF	Electrolytic Electrolytic		2.5V	4005-002-18
47.		,			
48. 49.	·015mF ·015mF	Polyester	$10\% \\ 10\%$	125V 125V	4009-018-02 4009-018-02
50.	· 01mF	Polyester Disc Ceramic	1070	25V	4008-039-06
51.	500mF	Electrolytic		16V	4005-014-13
52. 53.	3 x · 001mF ·22mF	Feed Thru Disc Ceramic		25 V	4008-040-05 4008-053-01
54.	221111	Disc Ceranife		20 V	4000 003 UI
Cii			T-1		
No.	Value Ohms	Resistors Description	Tol ±	Rating	Part Number
55.	1K	Carbon	10%	1	4022-008 01
56.	120K	Carbon	10%	2 1 2	4022-000-01
57.	560	Carbon	10%	12 12 12 12 12	4022-010-01
58. 59.	6. 8K 560	Carbon Carbon	10% 10%	<u>2</u> 1	4022-002-02 4022-010-01
60.	500	Carbon	1070	2	4022-010-01
61.	5.6K	Carbon	10%	1/2	4022-022-02
62. 63.	18K 2∙7K	Carbon Carbon	10% 10%	1	4022 018-01 4022-043-01
64.	180K	Carbon	10%	2 1 2	4022-014-03
65.	5. 6K	Carbon	10%	마스 가는 자는 다음 나라는 다음 나가 있는 다음 나가 되었다.	4022-022-02
66. 67.	1·5K 150K	Carbon Carbon	10% 10%	1 1	4022-007-01
68.	330	Carbon	10%	2 1 2	4022-038-01 4022-011-01
69.	120K	Carbon	10%	$\frac{\tilde{1}}{2}$	4022-031-01
70. 71.	3·9K	Carbon	10%	1	4022-020-01
72.	15K	Carbon	10%	1/2	4022-020-01 4022-001- 0 2
73.	1K	Carbon	10%	1/2	4022-008-01
74. 75.	27 820	Carbon Carbon	10% 10%	1 1	4022-068-01
76.	8·2K	Carbon	10%	1/2	4022-009-01 4022-027-02
77.	68K	Carbon	10%	-(2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	4022-048-01
78.	8.2K	Carbon	10%		4022-027-02
79.		nd tone control concentric shaft pront Section 250K ohms.	otentio	meters	
	Re	ear Section 250K ohms tapped 10	OK ohn	ns	4030-026-02
	w	ith SP. ST. Switch attached.			or
					4000 000 00
					4030-026-04
					4030-026-04



2-AT1138



							BROWN / BLACK		
							BLACK		<u> </u>
					10ē.	No. 4 IF transformer 455 Kc/s (Orange Orange)	4044-022-02	7150-901-05	Spacer nut. (2) 3/8" x 32 T.P.I. hex. control bushes
					107.	Filter choke, iron cored	4048-025-02	7262-024-02	Washer (1) 3/8" Int. shakeproof - control bush
Carbon	10%	$\frac{1}{2}$	4022-004-01		108.			7120-026-01	Glass head (16) transistor mount spacer
Carbon	5%	1/2	4022-073-05			Driver transformer, 3, 900 to 108 + 108 ohms imped	4042-042-01	7198-931-11	Screw (6) $\frac{1}{4}$ " x 1/8" Whit, ch. hd. perm. tuner to can
Carbon	5%	$\frac{\overline{1}}{2}$	4022-002-07			Speaker transformer	4042-058-01	7291-003-01	Connector shroud - battery lead
Carbon	10%	1/2	4022-005-01				7222-037-01	7244-003-01	Connector - Battery lead
Carbon	5%	1/2	4022-016-06		112.	R. F. Amplifier transistor type AT17	4128-034-01	7065-025-01	Shield - Feed thru filter condensers
Wire Wound	10%	1/2	4024-012-03		113.	Converter transistor type 2N412	4128-011-02	7071-013-01	Insulating Disc Feed thru-condenser cover
Carbon	10%	$\frac{1}{2}$	4022-062-01		114.	First IF amp. transistor type 2N410-E (Green spot)	4128-010-03		Screw (8) 4" x No. 4 Phillips head, printed board mounting
Carbon	10%	$\frac{1}{2}$	4022-005-01			Second IF amp. transistor type 2N410-B (Red spot)	4128-010-04		Washer (2) Bakelite, printed board mounting
							4127-032-01		Can - top cover for chassis
Wire Wound		5	4024-033-02						Can - bottom cover for chassis
Carbon		$\frac{1}{2}$				Audio Amp. transistor type 2N406			Lug (3) solder. lead dressing
Disc. Thermistor NTC		1.5	4021-001-03			Audio Driver transistor type 2N591	4128-017-02		Outer knob assy. Volume and tuning
Carbon		1/2	4022-04 -01		120.				Spring clip (2) outer knobs
Wire Wound		1/2	4024-007-02						Inner knob assy - Tuning knob.
Wire Wound	10%	$\frac{1}{2}$	4024-007-02						Inner knob assy Tone control.
Carbon	10%	1	4022-041-03						Spring (2) inner knobs
						Speaker - 9" x 6" oval permag type 96L00/69/15			Barrel Nut (2) External thread
						Dial Lamp 12-16 Volt 7mm bulb BA7S Base Wotan	4068-003-04		Washer (2) chrome, External thread, barrel nuts
								7084-163-01	Escutcheon Assy. complete
					126.	Socket - Collector current adjustment	7222-033-01	7004 055 04	Consists of:
									Escutcheon
					Dort No.	Machanical			Washer (1) Flat Steel, dial fastening
					Part No.	Wechanical			Screw (1) 3/8" x No. 2 Deutsher dial fastening
						- 1 (0) 1 1			Shield - light - foam plastic
Miscellaneous			Part Number						Metcal - "All Transistor"
Charle Filton Chalco & Sull			4049 020 01						Dial Reading. All States
	unit complete								Barrel Nut (2) internal thread Washer (2) chrome - internal thread barrel nuts
	unit complete	•	4000-000-01						
			4065-037-01						Pointer Dial Background Assy,
	NP.						transistor		Screw (2) 3/16" x No. 2 Deutsher - Dial background faster
	,,								
									Organdie Bag for speaker
			4030-033-01						Knob (1) Aerial tuning Dust shield - dial
			4036-057-01				Helit socket		
									Knob Assy. (5) push button knobs Clip (2) on end of speaker lead
							mor mount		Manual drive tuning spindle assy. complete
							mer mount		Bush (1) - manual drive spindle
									Nut (1) 3/8" x 32 T. P. I. hex. nut
	Red Green								Spring (1) manual drive pinion shaft tension
			4044-009-04			Mica insulator - thermistor		7308-014-01	Cap - collector current adjustment socket
110. L II Hansionnici Too NC/5 (1	Orange Black)		4044-009-08		7120-072-01	wirea illisulator - thermistor		1200-014-01	Cap - Collector current adjustment socket
:	Carbon Carbon Carbon Carbon Wire Wound Carbon Wire Wound Carbon Disc. Thermistor NTC Carbon Wire Wound Wire Wound Wire Wound Carbon Oscillator Wire Wound Wire Wound Wire Wound Carbon Miscellaneous Spark Filter Choke 6. 8uH Push-button permeability tuner Consists of Iron Sleeve (3) Iron Sleeve (1) - Oscillator Iron Core (4) Coil Assy. Includes Aerial coil Aerial transformer R. F. coil Oscillator transformer Oscillator shunt coil No. 1 IF transformer 455 Kc. s (6)	Carbon	Carbon 5% 1/2 2 2 2 2 2 2 2 2 2	Carbon 5% ½ 4022-073-05 Carbon 5% ½ 4022-002-07 Carbon 10% ½ 4022-005-01 Carbon 5% ½ 4022-016-06 Wire Wound 10% ½ 4022-062-01 Carbon 10% ½ 4022-062-01 Carbon 10% ½ 4022-05-01 Wire Wound 5% 5 4024-033-02 Carbon 10% ½ 4022-04-01 Disc. Thermistor NTC 10% ½ 4021-001-03 Carbon 10% ½ 4022-04-01 Wire Wound 10% ½ 4022-04-01 Wire Wound 10% ½ 4024-007-02 Carbon 10% ½ 4024-007-02 Wire Wound 10% ½ 405-039-01	Carbon 5% ½ 4022-073-05 Carbon 10% ½ 4022-002-07 Carbon 10% ½ 4022-005-01 Carbon 5% ½ 4022-016-06 Wire Wound 10% ½ 4022-005-01 Carbon 10% ½ 4022-062-01 Carbon 10% ½ 4022-062-01 Carbon 10% ½ 4022-065-01 Wire Wound 5% 5 4024-033-02 Carbon 10% ½ 4022-040-01 Disc. Thermistor NTC 10% 1.5 4021-001-03 Carbon 10% ½ 4022-04-01 Wire Wound 10% ½ 4022-04-01 Wire Wound 10% ½ 4022-04-01 Wire Wound 10% ½ 4022-04-01 Carbon 10% ½ 4022-04-01 Wire Wound 10% ½ 4022-04-01 Carbon 10% ½ 4022-04-01 Inon Sleeve (3) 4065-037-01 Iron Sleeve (1) - Oscillator 4065-038-01 Iron Core (4) 4065-039-01 Coil Assy. 4036-053-01 Includes Aerial transformer 4043-033-01 R. F. coil 4036-057-01 Oscillator transformer 4043-033-01 Socillator transformer 4043-033-01 Oscillator transformer 4043-033-01 Oscillator transformer 4043-033-01 Oscillator shunt coil 4036-044-02 No. 1 IF transformer 455 Kc. s (Red Green) 4044-009-04	Carbon 57% 2 4022-073-05 109. Carbon 57% 2 4022-002-07 1110. Carbon 10% 2 4022-005-01 111. Carbon 57% 3 4022-005-01 111. Carbon 57% 3 4022-005-01 111. Carbon 57% 3 4022-016-06 112. Wire Wound 10% 2 4022-062-01 114. Carbon 10% 2 4022-062-01 115. Carbon 10% 2 4022-062-01 115. Wire Wound 57% 5 4024-033-02 117. Carbon 10% 1 4022-040-01 118. Disc. Thermistor NTC 10% 1.5 4021-001-03 119. Carbon 10% 1 4022-04-01 120. Wire Wound 10% 1 4022-04-01 120. Wire Wound 10% 1 4022-04-01 120. Wire Wound 10% 1 4022-04-01 120. Carbon 10% 1 4022-041-03 122. Carbon 10% 1 4022-041-03 123. Wire Wound 10% 1 4022-041-03 122. Carbon 10% 1 4022-041-03 123. Part No. Carbon 10% 1 4026-037-01 7102-027-01 7102-0	Carbon 5% ½ 4 022-003-05 109. Driver transformer, 3, 900 to 108 + 108 ohms imped Carbon 5% ½ 4022-003-01 111. Aerial input - socket Carbon 10% ½ 4022-016-06 112. Aerial input - socket R. F. Amplifier transistor type AT17 Wire Wound 10% ½ 4022-013-03 113. Converter transistor type 2N410-E (Green spot) Carbon 10% ½ 4022-005-01 114. First IF amp, transistor type 2N410-E (Green spot) Carbon 10% ½ 4022-005-01 115. Second IF amp, transistor type 2N410-B (Red spot) Carbon 10% ½ 4022-005-01 115. Second IF amp, transistor type 2N410-B (Red spot) Carbon 10% ½ 4022-005-01 118. Audio Ample transistor type 2N410-B (Red spot) Carbon 10% ½ 4022-005-01 118. Audio Ample transistor type 2N410-B (Red spot) Disc. Thermistor NTC 10% 1.5 4021-001-03 119. Audio Driver transistor type 2N410-B (Red spot) Carbon 10% ½ 4022-007-02 120. Audio Output transistor type 2N69. Wire Wound 10% ½ 4024-007-02 121. Socket - speaker lead Wire Wound 10% ½ 4024-007-02 121. Socket - speaker lead Socket - Socket - Collector current adjustment 123. Speaker - 9° x 6° oval permag type 96L00/69/15 Switch, part of circuit No. 79 Socket - Collector current adjustment 125. Switch, part of circuit No. 79 Socket - Collector current adjustment 125. Switch, part of circuit No. 79 Socket - Collector current adjustment 120-049-01 Mica washer (2) Audio output transistors Inon Steeve (3) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Steeve (3) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Steeve (3) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (4) 4065-039-01 720-049-01 Mica washer (2) Audio output transistor Inon Core (Carbon 5% \$ 4022-073-05 109.	Carbon 59% 4 4022-073-6 109. Dirty transformer, 3,900 to 108 + 108 chms imped 4042-042-01 7198-931-11 Carbon 59% 4 4022-005-01 111. Aerial from the socket 7292-003-01 7244-003-01 7245-00