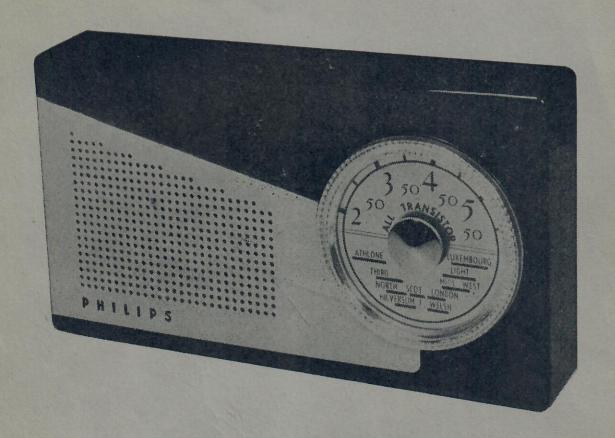
SERVICE MANUAL

PHILIPS "PERSONIC"



Radio Receiver Type L1G75T



SERVICE DEPARTMENT WADDON FACTORY ESTATE CROYDON . SURREY

Telephone . . . CROydon 7722
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SERVICE MANUAL FOR THE

PHILIPS RADIO RECEIVER TYPE LIG75T

INTRODUCTION

The L1G75T is a transistor operated pocket portable receiver. All components, together with batteries and loudspeaker are mounted on a paxolin plate (conventionally wired) and sockets for the connection of high impedance headphones are included.

Tr.1	OC44	Frequency Changer.
Tr.2	OC45	1st I.F. Amplifier.
Tr.3	OC45	2nd I.F. Amplifier.
Tr.4	OC71	1st A.F. Amplifier.
Tr.5	OC71	2nd A.F. Amplifier.
Tr.6) Tr.7(OC72	(Matched pair) Output.
X1	OA95	Detector.

SUPPLY VOLTAGE

6 V.

CONSUMPTION

6-9 mA. (No signal.)

BATTERIES

Four 1.5 V. batteries of any of the following types are required:—

Ever	Ready	D14	Vidor	V0030
Ever	Ready	U12	Vidor	V0028

WAVEBAND RANGE

Medium Wave 185-580 metres.

TRIMMING FREQUENCIES

I.F. 470 Kc/s. R.F. 512 Kc/s, 1,630 Kc/s, 600 Kc/s, 1,500 Kc/s.

HEADPHONE

Type AS 9110.

CABINET DIMENSIONS

Height $3\frac{1}{2}$ ". Width $6\frac{1}{4}$ ". Depth $1\frac{3}{8}$ ".

REMOVING THE CASE

Remove the rear panel (coin slotted screws). Remove the knurled screw in the centre of the scale, the tuning knob, spring washer, felt washer and scale. Remove the three countersunk fixing screws under the scale and slide the receiver out of the case.

PRECAUTIONARY NOTES

Information concerning the use of transistors has been published in various technical journals and books. For engineers who are not yet familiar with the technique involved, the following notes may be of assistance. It will be evident that certain methods of fault-finding, measurements, etc., hitherto regarded as "normal" can cause damage to equipment using transistors.

- 1. Transistors are temperature conscious. The current which flows between base and collector (with emitter disconnected) is approximately doubled for every 7° C. temperature rise. This current is multiplied by the amplification factor when the emitter is grounded. There is a maximum working temperature above which the current will increase until the transistor is destroyed.
 - Apart from working conditions, heat alone is detrimental and they should not be subjected to temperatures above 60° C. in storage, etc.
- 2. A temperature rise of about 1° C. is produced by a dissipation of about 2.5 mW. in a transistor. For this reason the output transistors are equipped with cooling fins which must always be fitted when the receiver is operative.

- 3. The output transistors (Tr.6, Tr.7) are supplied as a matched pair. If either one or both transistors require replacement a replacement pair must be used.
- 4. When a resistance meter is being used for fault-finding, care must be taken to ensure that the voltage applied from the meter battery does not exceed the normal circuit potential at the point being measured. Due to current flow through the transistors caused by the meter battery, false readings will be observed, when making resistance checks on some parts of the circuit. In these instances it will be necessary to disconnect the component under test.
- 5. Voltage surges can cause damage. Although low voltages are involved, it is essential to switch the apparatus off before replacing transistors and components. Soldering to the transistor leads must be done rapidly with the aid of a heat shunt (i.e., grip the leads with a pair of pliers).
- Transistors are photo-electric. Glass cased units are painted black. This paint must not be scratched or chipped. Whilst exposure to light does no harm, it will modulate the transistor current (e.g., such a transistor operating under a fluorescent light will produce hum).
- 7. Transistors are adversely affected by humidity. The glass cased units are fragile, and a crack may not be conspicuous. Ingress of moisture will cause the unit to deteriorate at a rate depending on the size of the flaw. Care must, therefore, be exercised in handling and storage.

TRIMMING INSTRUCTIONS

General

(a) Sound output should be observed by disconnecting the loudspeaker and connecting an output meter, in parallel with a 5 Ω load resistor across the loudspeaker leads. An output level of 50 mW. should be used when trimming.

(b) If a suitable trimming tool is not available for trimming the cores of the I.F. and oscillator coils, one can easily be made by cutting a slot in the end of an insulated No. 10 knitting needle.

I.F. Trimming

Turn the volume control to maximum and the tuning gang to minimum.

Apply a modulated signal of 470 Kc/s to the base of Tr.1 via a 470 KpF capacitor.

Trim the following cores for maximum output:-

S8, S6, S4.

R.F. Trimming

When trimming the R.F. section of the receiver the applied signal is loosely coupled to the internal "Ferroceptor" aerial. This can be conveniently done by winding two or three turns of wire round the "Ferroceptor" rod and connecting the generator output lead to one end of the wire.

(a) Oscillator Trimming

Turn the volume control and turning gang to maximum.

Adjust the generator frequency to 512 Kc/s and trim S2 for maximum output.

Turn the gang to minimum, adjust the generator frequency to 1,630 Kc/s and trim C23 for maximum output.

Repeat as necessary.

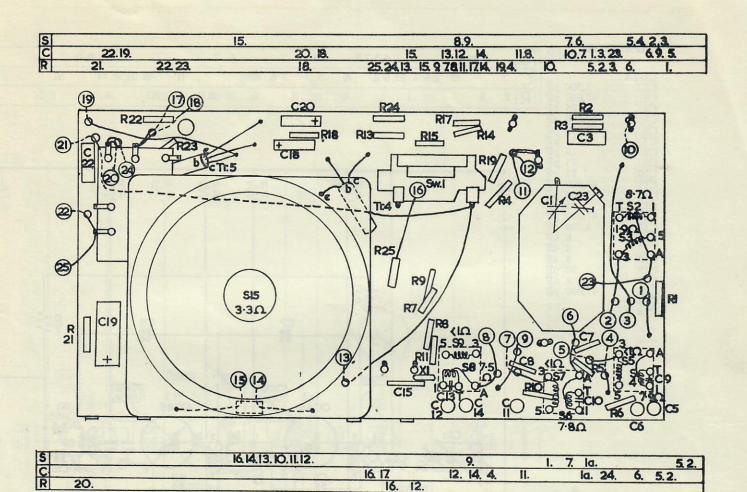
(b) Aerial Trimming

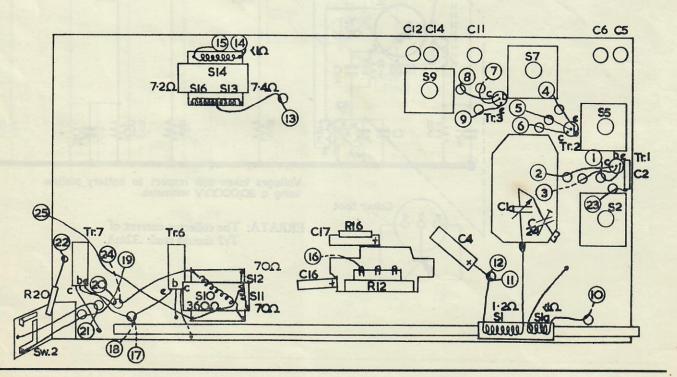
Set the generator to 600 Kc/s.

By rotating the gang, tune the receiver to this frequency, and adjust S1/S1a for maximum output.

Set the generator to 1,500 Kc/s.

By rotating the gang, tune the receiver to this frequency and trim C24 for maximum output. Repeat as necessary.

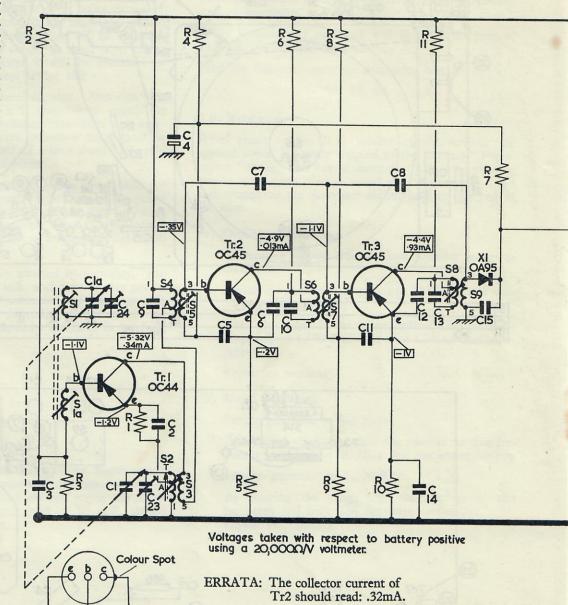


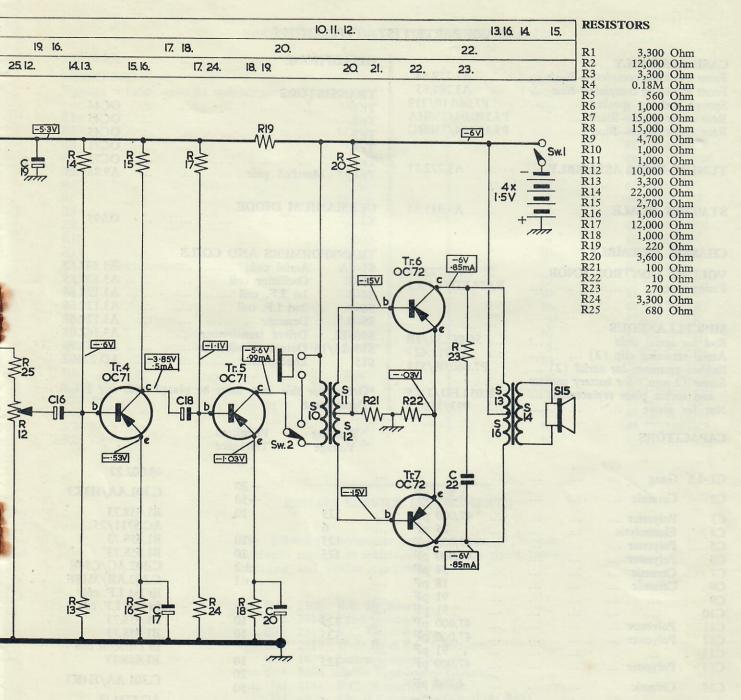


CAPACITORS

C1-1A		
C2	3,300	pF
C3	47,000	pF
C4	25	
C5	47,000	pF
C6	47,000	pF
C7	54	pF
C8	18	pF
C9	91	pF
C10	91	pF
C11	47,000	pF
C12	47,000	pF
C12	91	pF
C14	47,000	pF
C15		
C16	4,700	pF
C17	8	uF
C17	8	uF
Name and Associated	8	uF
C19	80	uF
C20	8	uF
C22	47,000	pF
C23		
C24		

S		I. la. 4		4.3.2.	.3.2.5.				6. 7.		8. 9.			
C	3.	le	1	24. 1. 23. 9. 2.	4.	5.	7. 6.	10		11.	8.	12.14.13.	15.	
R	2.	3.		L	4.		5.	6.	8.9		10.	11.	7	





SPARE PARTS LIST—TYPE L1G75T

CASE A	ASSEMBLY						# *HE	ADPHO	NE				AS 9110
	oulding complete	Placi	1-		A3.779	161							110 7110
				• • • •			1						
Front m	oulding complete	e—Blue			A3.781	1.85	TDA	NETETO	DC				
Sponge	pad for speaker	-		P	7.060.10	/310		NSISTO	K2				
Door co	von mlate Diesi			DE 1	00.04.135	OTTA	Tr.1						OC44
	ver plate—Black			P3.1	90.04/35	UHA	Tr.2						OC45
Rear co	ver plate-Blue			P5.1	90.04/35	OHC			•••	• • • •	• • •		
					/		Tr.3						OC45
						. 2	Tr.4						OC71
TUNIN	G KNOB ASSI	EMBLY	7		A3.77	72.61	Tr.5			• • • •			OC71
					115.77	2.01	Tr.6/	7 Mate	ched pair				A9.868.25
							1		1				
							1						
STATIO	ON SCALE				A3.95	55 21	CED	MANITT	M DIOD	C			
GIIII	OIT GOILL	•••		• • • •	113.9.	75.54		WITH TO	WI DIOD	L			
							X1						OA95
							1						
CHACC	IS ASSEMBLY	7					ii						
CHASS	19 HOSEMBLI						TRA	NSFOR	MERS A	ND CO	IIS		
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VULUN	ME CONTROL	KNOB	5		A3.77		S1-1.		erial coils				A3.803.62
Fixing s	screw			R.O	54.ED/1.	7×3	S2-3	0	scillator o	coil			A3.128.65
I mile o				2.0.	1.22/1.	1/13	S4-5						
									st I.F. co.		• • • •	•••	A3.128.66
							S6-7	21	nd I.F. co	il			A3.128.66
MICOR	I I ANIEOTIC					7	S8-9		etector				A3.128.67
	LLANEOUS										•••	•••	
Rod for	aerial coils				56.682.32	2/4B	S10-	12 D	river tran	istormer			A3.162.03
					A3.711		S13_	14/16 0	utput tra	nsformer			A3.153.90
Aeriai r	etaining clip (2))		• • • •									
Rubber	grommet for ae	rial (2))	P	7.060.08	/514	S15	L	oudspeake	r			AD.2200Z
Screw (2 mm.) for batt	tery con	tact		House Market Street St. 14								
Serew (z mm.) for batt	icry con	itact	73	OCA ED	2115	40 1						
and s	ocket plate repl	acement	t	B.	054.ED/	2×3	*Ord	ers for 1	this item	must be	e plac	ed wit	h our E.L.A
Nut for	above				993/M	12.	Den	artment.					
1141 101	40010					_	Dop	ar carroant.					
							-						
CAPAC	ITORS						W	orking	Pern	nitted			
CAPAC	ITORS							orking		nitted			
CAPAC	ITORS							orking oltage	Tole	rance			
CAPAC	ITORS								Tole				
							V		Tole	rance		49 002	222
CAPAC			•••						Tole	rance %		49.002	2.22
C1-1A	Gang				3 300	ηF	V		Tole	rance % 20			
					3,300	pF	V		Tole	rance % 20			2.22 .AA/H3K3
C1-1A C2	Gang Ceramic						 	oltage	Tole -2 +5	rance % 20		C.301	.AA/H3K3
C1–1A C2 C3	Gang Ceramic Polyester				47,000	pF	V	oltage	Tole -2 +5	rance % 20		C.301 B1.65	.AA/H3K3 8.73
C1-1A C2	Gang Ceramic Polyester				47,000		 	oltage	Tole -2 +5	rance % 20		C.301 B1.65	.AA/H3K3 8.73
C1-1A C2 C3 C4	Gang Ceramic Polyester Electrolytic				47,000 25	pF uF	 	oltage	Tole -2 +5	rance % 20 50		C.301 B1.65 AC.57	.AA/H3K3 8.73 '11/25
C1-1A C2 C3 C4 C5	Gang Ceramic Polyester Electrolytic Polyester				47,000 25 47,000	pF uF pF	v	125 6 125	Tole -2 + 5	rance % 20 50 10		C.301 B1.65 AC.57 B1.65	.AA/H3K3 8.73 /11/25 8.73
C1-1A C2 C3 C4 C5 C6	Gang Ceramic Polyester Electrolytic				47,000 25	pF uF pF	 	oltage	Tole -2 + 5	rance % 20 50		C.301 B1.65 AC.57	.AA/H3K3 8.73 /11/25 8.73
C1-1A C2 C3 C4 C5 C6	Gang Ceramic Polyester Electrolytic Polyester Polyester				47,000 25 47,000 47,000	pF uF pF pF	 	125 6 125	Tole 4 - 2 - 4 - 5 - 1 - 1 - 1	rance % 20 50 10		C.301 B1.65 AC.57 B1.65 B1.65	.AA/H3K3 8.73 111/25 8.73 8.73
C1-1A C2 C3 C4 C5 C6 C7	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic				47,000 25 47,000 47,000 54	pF uF pF pF	 	125 6 125	Tole -2 +4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	70 50 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302	AA/H3K3 8.73 711/25 8.73 8.73 AC/C54E
C1-1A C2 C3 C4 C5 C6 C7 C8	Gang Ceramic Polyester Electrolytic Polyester Polyester				47,000 25 47,000 47,000 54 18	pF uF pF pF pF	 	125 6 125	Tole -2 +4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	rance % 20 50 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E .AB/M18E
C1-1A C2 C3 C4 C5 C6 C7	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic				47,000 25 47,000 47,000 54 18	pF uF pF pF pF	 	125 6 125	Tole -2 +4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	70 50 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302	AA/H3K3 8.73 711/25 8.73 8.73 AC/C54E
C1-1A C2 C3 C4 C5 C6 C7 C8 C9	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic Ceramic				47,000 25 47,000 47,000 54 18 91	pF uF pF pF pF pF	v	125 6 125	Tole -2 +4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	70 50 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E .AB/M18E I.F. coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic Ceramic				47,000 25 47,000 47,000 54 18 91 91	pF uF pF pF pF pF pF	v	125 6 125 125	Tole -2 +4 -1 -1 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	rance % 20 50 10 10 10 12 12 11		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E .AB/M18E I.F. coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic Ceramic				47,000 25 47,000 47,000 54 18 91 91 47,000	pF uF pF pF pF pF pF pF	v	125 6 125	Tole -2 +4 -1 -1 -2 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	70 50 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E .AB/M18E I.F. coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic Ceramic Polyester				47,000 25 47,000 47,000 54 18 91 91 47,000	pF uF pF pF pF pF pF pF	v	125 6 125 125	Tole -2 +4 -1 -1 -2 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	rance % 20 50 10 10 10 12 11		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12	Gang Ceramic Polyester Electrolytic Polyester Polyester Ceramic Ceramic				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000	pF uF pF pF pF pF pF pF pF	v	125 6 125 125	Tole -2 +4 -1 -1 -2 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	rance % 20 50 10 10 10 12 12 11		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 91	pF uF pF pF pF pF pF pF pF	v	125 6 125 125 125	Tole -2 +4 -1 -1 -2 -2 -2 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	rance % 20 50 10 10 10 12 11		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 91	pF uF pF pF pF pF pF pF pF	V	125 6 125 125 125	Tole 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil d I.F. coil 8.73 8.73 tector coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester				47,000 25 47,000 47,000 54 18 91 47,000 47,000 91 47,000	pF uF pF pF pF pF pF pF pF pF	V	125 6 125 125	Tole 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil d I.F. coil 8.73 8.73 tector coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14	Gang Ceramic Polyester Polyester Ceramic Ceramic Ceramic Polyester Polyester Polyester Polyester Polyester Polyester				47,000 25 47,000 47,000 54 18 91 47,000 47,000 91 47,000	pF uF pF pF pF pF pF pF pF pF	V	125 6 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil di I.F. coil 8.73 8.73 tector coil 8.73
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 91	pF uF pF pF pF pF pF pF pF pF	V	125 6 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil d I.F. coil 8.73 8.73 tector coil
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Polyester Ceramic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 91 47,000 4,700	pF uF pF pF pF pF pF pF pF pF pF pF	···	125 6 125 125 125 125	Tole 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 In De B1.65 C.301	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Polyester Electrolytic				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 47,000 4,700	pF uF pF pF pF pF pF pF pF pF pF p	V	125 6 125 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 In De B1.65 C.301 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Polyester Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 47,000 8,700	pF uF pF pF pF pF pF pF pF pF pF p	···	125 6 125 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 In De B1.65 C.301	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Polyester Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 91 47,000 47,000 47,000 8,700	pF uF pF pF pF pF pF pF pF pF pF p	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 8 8 8	pF uF pF pF pF pF pF pF pF pF pF p	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole 4 +4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 8 8 8 8	pF uF pF	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 8 8 8 8	pF uF pF pF pF pF pF pF pF pF pF p	V	125 6 125 125 125 125	Tole 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 4,700 8 8 8	pF uF pF	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole -2 +3 1 -2 +3 1 -1 +4 -1 -1 +4	rance % 20 50 10 10 10 10 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C22	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 8 8 8 8	pF uF pF	V	125 6 125 125 125 125	Tole -2 +3 1 -2 +3 1 -1 +4 -1 -1 +4	rance % 20 50 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8 711/8 711/8 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 4,700 8 8 8	pF uF pF	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole -2 +3 1 -2 +3 1 -1 +4 -1 -1 +4	rance % 20 50 10 10 10 10 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8 711/8 711/8 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C22 C23	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 4,700 8 8 8	pF uF pF	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole -2 +3 1 -2 +3 1 -1 +4 -1 -1 +4	rance % 20 50 10 10 10 10 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8 711/8 711/8 711/8 711/8 711/8
C1-1A C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C22	Gang Ceramic Polyester Electrolytic Polyester Ceramic Ceramic Polyester Polyester Polyester Polyester Ceramic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic Electrolytic				47,000 25 47,000 47,000 54 18 91 47,000 47,000 47,000 4,700 8 8 8	pF uF pF	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	125 6 125 125 125 125	Tole -2 +3 1 -2 +3 1 -1 +4 -1 -1 +4	rance % 20 50 10 10 10 10 10 10 10 10 10 10 10 10 10		C.301 B1.65 AC.57 B1.65 B1.65 C.302 C.302 In 1st In 2nd B1.65 B1.65 In De B1.65 C.301 AC.57 AC.57 AC.57 AC.57	AA/H3K3 8.73 11/25 8.73 8.73 AC/C54E AB/M18E I.F. coil 1 I.F. coil 8.73 8.73 tector coil 8.73 AA/H4K7 711/8 711/8 711/8 711/8 711/8 711/8 711/8 711/8

SPARE PARTS LIST-TYPE L1G75T-(Contd.)

RESIS									Permitted	
Watta	ge is	based	upon	an am	bient	temperature	of 70° C.	Wattage	Tolerance	
							Ohms		%	
R1							3,300	 1/4	5	48.426.05/3K3
R2							12,000	 1/4	5	48.426.10/12K
R3							3,300	 1/4	5	48.426.10/3K3
R4							0.18M	 4	10	48.426.10/180K
R5							560	 1/4	5	48.426.10/560E
R6							1,000	 1/4	10	48.426.10/1K
R7							15,000	 1/4	10	48.426.10/15K
R8							15,000	 1/4	5	48.426.10/15K
R9							4,700	 1/4	5	48.426.10/4K7
R10							1,000	 1/4	5	48.426.10/1K
R11							1,000	 1/4	10	48.426.10/1K
R12	Po	tention	neter				10,000	 Log Law		B1.514.06
R13							3,300	 1/4	10	48.426.10/3K3
R14							22,000	 1/4	10	48.426.10/22K
R15							2,700	 4	10	48.426.10/2K7
R16						•••	1,000	 1/4	5	48.426.10/1K
R17						•••	12,000	 1/4	10	48.426.10/12K
R18						•••	1,000	 1/4	5	48.426.10/1K
R19							220	 1/4	10	48.426.10/220E
R20							3,600	 4	5	B8.305.05B/3K6
R21		• • •					100	 1/4	5	48.426.10/100E
R22							10	 4	5	48.426.10/10E
R23							270	 1/4	10	48.426.10/270E
R24		• • •					3,300	 1/4	10	48.426.10/3K3
R25						•••	680	 4	10	48.426.10/680E

PHILIPS SERVICE INSTRUMENTS

The following instruments are of interest to Service Engineers engaged in maintaining radio, television, taperecording and similar equipment:—

GM. 2308	B.F. Oscillator.
GM. 2314	Pulse Generator.
GM. 2315	R.C. Generator.
GM. 2317	Wide Band R.C. Generator.
GM. 2675	Sweep Generator.
GM. 2886	Radio Type Sweep Generator.
GM. 4144	R.C. Measuring Bridge.
GM. 4575	Signal Tracing Probe for GM. 5655.
GM. 4579	E.H.T. Probe for GM. 6009.
GM. 5650	T.V. Service Oscilloscope.
GM. 5654	H.F. Oscilloscope.
GM. 5655	Radio Service Oscilloscope.
GM. 6009	Electronic Test Meter.
GM. 6012	
GM. 6014	H.F. Millivolt Meter.
GM. 7628	Signal Tracer.