

PHILIPS *Service* notes

MODELS 228-02 228-03

Read in conjunction with Service Data for Model 228.

Models 228-02 and 228-03 are basically the same as Model 228 except for —

- 02 use of new type record changer, addition of tuning indicator and provision of socket for use of tape recorder and microphone.
- 03 as for -02 plus change of tuning capacitor.

Details of these changes are shown in the table below. Circuit diagram is published overleaf.

Version Applicable	Description	Code No.
-03	C3-4 Tuning capacitor	49.002.57
-03	C7 300E mica, 2½%	Ducon SS
-03	C38 32M electrolytic, 10V	C.426.AR/D32
-03	C39 32M electrolytic, 10V	C.426.AR/D32
-02	-03 C47 not used	
-02	-03 C48 33K Polyester, 125V, 10%	C.296.AA/A33K
-02	-03 C49 5K6 ceramic	Part of record changer
-02	-03 C50 5K6 ceramic	Part of record changer
-02	-03 C51 10K Polyester, 125V, 10%	C.296.AA/A10K
-02	-03 R9 1M5 carbon, ½W, 10%	I.R.C. B.T.S.
-02	-03 R54 470K carbon, ½W, 10%	I.R.C. B.T.S.
-02	-03 R55 47K carbon, ½W, 10%	I.R.C. B.T.S.
-02	-03 R56 47K carbon, ½W, 10%	I.R.C. B.T.S.
-02	-03 R57 330K carbon, ½W, 10%	I.R.C. B.T.S.
-03	L1-2 Aerial Coil	CZ.323.086
-03	L3-4 Oscillator Coil	CZ.330.629
-02	-03 Tuning indicator, 6BR5	
-02	-03 Record changer, AG1025	
-02	Dial scale	CS.412.485
	Dial scale	CS.412.493
-02	-03 Tuning indicator window	P4.067.64/19
-02	-03 Tuning indicator socket	CZ.370.720
		C/F 733-2-39
-02	-03 Tape recorder socket	979/5 x 180
-02	-03 Microphone socket	CZ.370.512
	McMurdo	4QMS/C

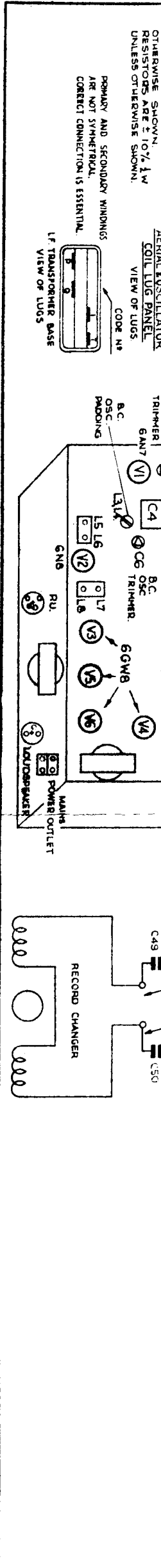
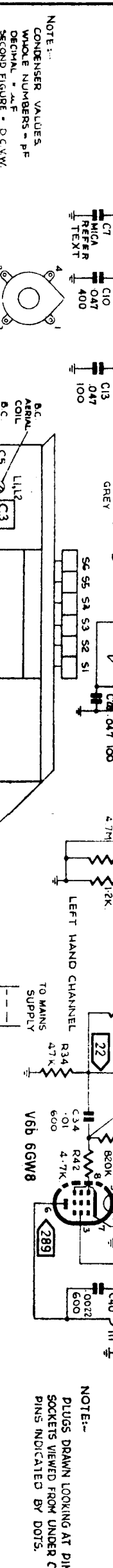
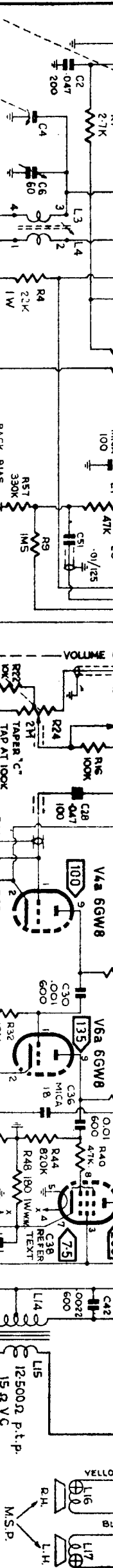
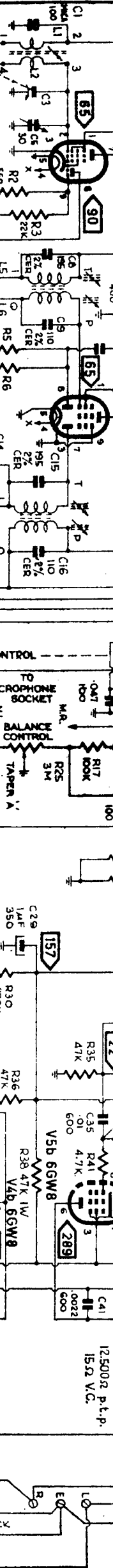
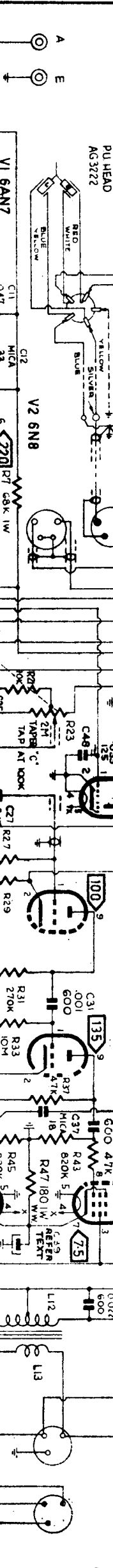
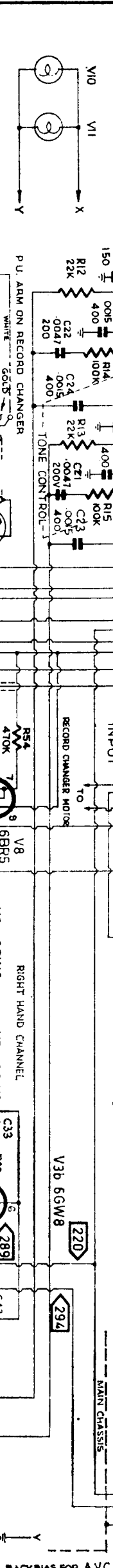
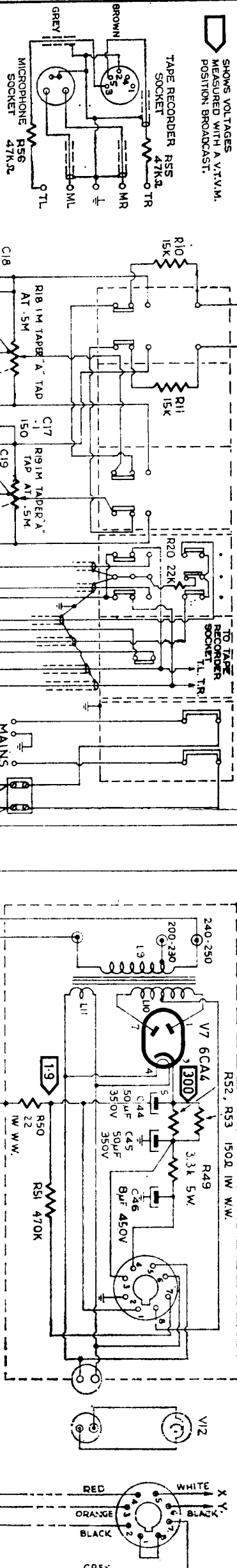
L1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
C1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

SWITCH SHOWN IN RADIO AND ORCHES. POSITION.
WHEN BUTTONS ARE DEPRESSED SLIDING CONTACTS MOVE TO UPPER POSITION.

SPEECH ORCHESTRA BASS GRAM RADIO OFF

POWER SUPPLY SUB CHASSIS
R52, R53 150Ω IW W.W.

NOTE:-- PLUGS DRAWN LOOKING AT PINS.
SOCKETS VIEWED FROM UNDER CHASSIS.
PINS INDICATED BY DOTS.



NOTE:-- CONDENSER VALUES WHOLE NUMBERS - PF
DECIMAL - μF
SECOND FIGURE - D.C.V.W.
TOLERANCES ±20% UNLESS OTHERWISE SHOWN.
RESISTORS ARE ±10% 1W UNLESS OTHERWISE SHOWN.

