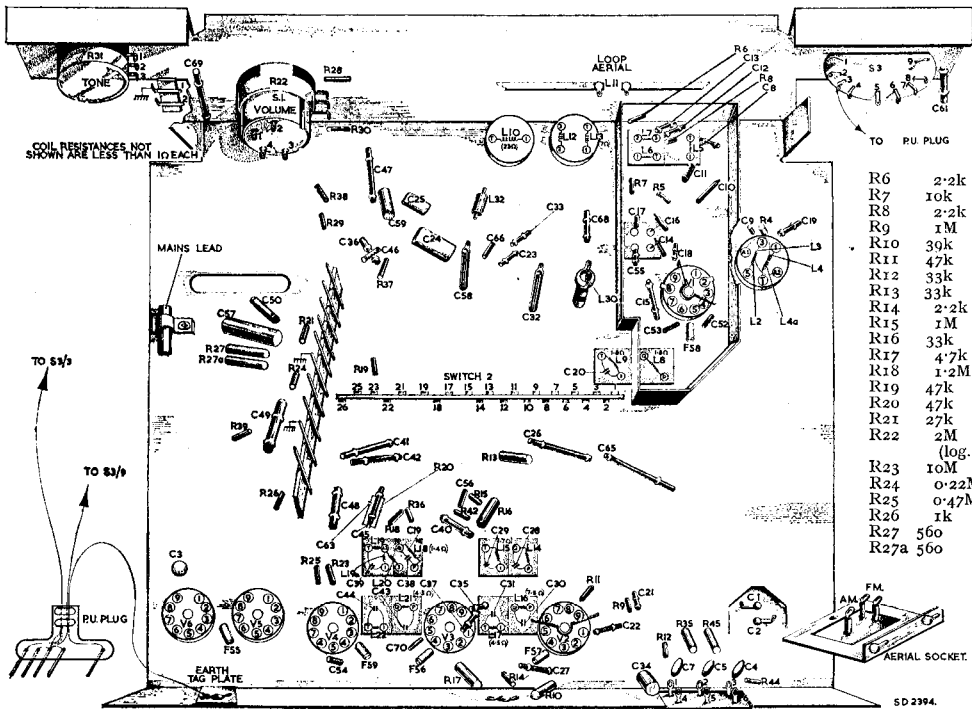


## PHILIPS

## Model F4G20A

**General Description:** Six-valve (including rectifier), A.M./F.M. radio-gram covering L.W./M.W./V.H.F. for A.C. mains 200-250 volts, 50 c/s. Philips AG1025 record changer with AG3306 pick-up head. Loudspeaker is 8-in. dual-cone unit. Also known as **Model 420A**. **Model B4Gr7U**, (4r7U) is a table receiver with similar chassis.

**Valves:** (V<sub>1</sub>) UCC85; (V<sub>2</sub>) UCH81; (V<sub>3</sub>) UF89; (V<sub>4</sub>) UABC80; (V<sub>5</sub>) UL84; (V<sub>6</sub>) UY85. Pilot lamp 19 volts 0.1 amp. (8097D).



| Capacitors. |           |
|-------------|-----------|
| C1, 2       | 50 + 100  |
| C3          | 4,700 pF. |
| C4          | 470 pF.   |
| C5          | 470 pF.   |
| C7          | 1,800 pF. |
| C8          | 6.8 pF.   |
| C9          | 1,000 pF. |
| C10         | 2-5 pF.   |
| C11         | 1,000 pF. |
| C12         | 8.2 pF.   |
| C13         | 8.2 pF.   |
| C14         | 2-10 pF.  |
| C15         | 130 pF.   |
| C16         | 2-10 pF.  |
| C17         | 15 pF.    |
| C18         | 33 pF.    |
| C19         | 6.8 pF.   |

|     |           |
|-----|-----------|
| C20 | 15 pF.    |
| C21 | 100 pF.   |
| C22 | 1,200 pF. |
| C23 | 56 pF.    |
| C24 | 290 pF.   |
| C25 | 120 pF.   |
| C26 | 470 pF.   |
| C27 | 4,700 pF. |
| C28 | 15 pF.    |
| C29 | 15 pF.    |
| C30 | 110 pF.   |
| C31 | 195 pF.   |
| C32 | 18 pF.    |
| C33 | 33 pF.    |
| C34 | 3,000 pF. |
| C35 | 100 pF.   |
| C36 | 4,700 pF. |
| C37 | 4,700 pF. |

|     |            |
|-----|------------|
| C38 | 22 pF.     |
| C39 | 47 pF.     |
| C40 | 4,700 pF.  |
| C41 | 330 pF.    |
| C42 | 330 pF.    |
| C43 | 195 pF.    |
| C44 | 195 pF.    |
| C45 | 100 pF.    |
| C46 | 2          |
| C47 | 330 pF.    |
| C48 | 10,000 pF. |
| C49 | 10,000 pF. |
| C50 | 25         |
| C51 | 1,000 pF.  |
| C52 | 1,000 pF.  |
| C53 | 1,000 pF.  |
| C54 | 1,000 pF.  |
| C55 | 5.6 pF.    |

|     |            |
|-----|------------|
| C56 | 1,000 pF.  |
| C57 | 0.22       |
| C58 | 18 pF.     |
| C59 | 22,000 pF. |
| C61 | 1,500 pF.  |
| C63 | 100 pF.    |
| C65 | 742 pF.    |
| C66 | 15 pF.     |
| C67 | 50 pF.     |
| C68 | 56 pF.     |
| C69 | 390 pF.    |
| C70 | 1,000 pF.  |

## Resistors.

|     |      |
|-----|------|
| R1  | 1.2k |
| R1a | 1.5k |
| R4  | 180  |
| R5  | 0.1M |

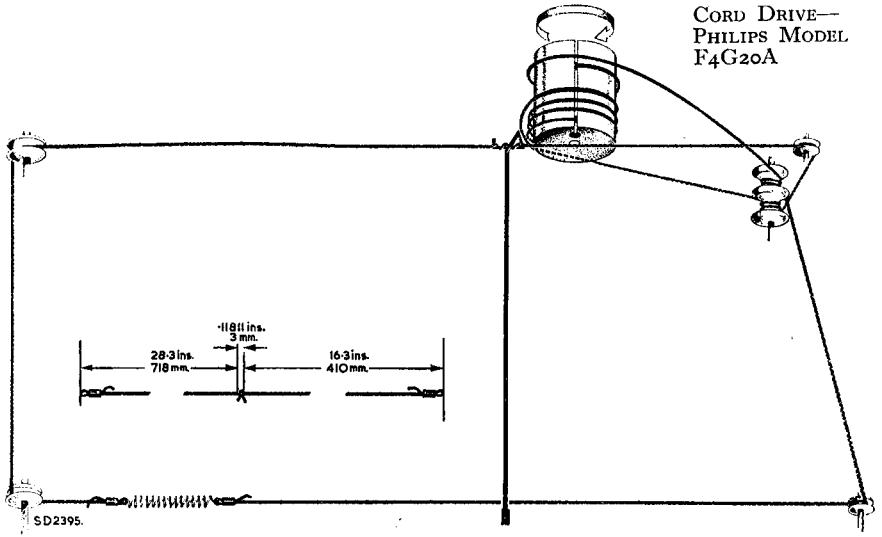
|        |       |
|--------|-------|
| R6     | 2.2k  |
| R7     | 10k   |
| R8     | 2.2k  |
| R9     | 1M    |
| R10    | 30k   |
| R11    | 47k   |
| R12    | 33k   |
| R13    | 33k   |
| R14    | 2.2k  |
| R15    | 1M    |
| R16    | 33k   |
| R17    | 4.7k  |
| R18    | 1.2M  |
| R19    | 47k   |
| R20    | 47k   |
| R21    | 27k   |
| R22    | 2M    |
| (log.) |       |
| R23    | 10M   |
| R24    | 0.22M |
| R25    | 0.47M |
| R26    | 1k    |
| R27    | 560   |
| R27a   | 560   |

|     |              |
|-----|--------------|
| R28 | 68           |
| R29 | 68k          |
| R30 | 470          |
| R31 | 2M (log.)    |
| R35 | 4.7M         |
| R36 | 120          |
| R37 | 0.22M        |
| R38 | 2.7k         |
| R39 | 0.1M         |
| R40 | 27k          |
| R42 | 47k          |
| R44 | 10k          |
| R45 | 4.7M         |
| R46 | Varite       |
| R47 | Varite       |
| R50 | 1k (r.5 W.)  |
| R51 | 140 (5 W.)   |
| R52 | 235 (2.5 W.) |

SD 2394.



CORD DRIVE—  
PHILIPS MODEL  
F4G20A



DRUM AT MAX. CLOCKWISE POSITION