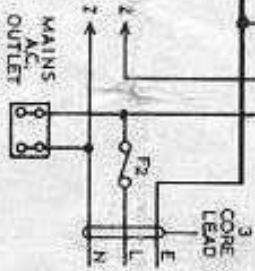


**"RD" CADET III  
STEREO AMPLIFIER**

AMPLIFIER CIRCUIT



## COMPONENT VALUES

### AMPLIFIER

| Resistors | Value   | Tolerance | Rating | Type           | Capacitors  | Value   | Rating | Type         | Tolerance |
|-----------|---------|-----------|--------|----------------|---|---------|--------|--------------|-----------|
| R1        | 4.7K    | 10%       | ½ watt | Carbon         | C1  | 40mfd   | 16V    | Electrolytic | —         |
| R2        | 1megohm | 10%       | ½ watt | Carbon         | C2  | .022mfd | 400V   | Polyester    | 10%       |
| R3        | 1.2K    | 10%       | ½ watt | Carbon         | C3  | 400pf   | 350V   | Polystyrene  | 10%       |
| R4        | 220ohms | 5%        | ½ watt | High Stability | C4  | .1mfd   | 400V   | Polyester    | 10%       |
| R5        | 220K    | 10%       | ½ watt | Carbon         | C5  | .1mfd   | 400V   | Polyester    | 10%       |
| R6        | 1megohm | 10%       | ½ watt | Carbon         | C6  | 40mfd   | 16V    | Electrolytic | —         |
| R7        | 1K      | 10%       | ½ watt | Carbon         | C7  | 680pf   | 350V   | Polystyrene  | 10%       |
| R8        | 47K     | 5%        | ½ watt | Carbon         | C8  | 16mfd   | 350V   | Electrolytic | —         |
| R9        | 47K     | 5%        | ½ watt | Carbon         | C9  | 16mfd   | 350V   | Electrolytic | —         |
| R10       | 470K    | 10%       | ½ watt | Carbon         | C10   | 100mfd  | 275V   | Electrolytic | —         |
| R11       | 470K    | 10%       | ½ watt | Carbon         | C11   | 100mfd  | 275V   | Electrolytic | —         |
| R12       | 22K     | 10%       | ½ watt | Carbon         | <b>Valves</b>   |         |        |              |           |
| R13       | 22K     | 10%       | ½ watt | Carbon         | V1 a/b  | ECL86   |        |              |           |
| R14       | 130ohms | 5%        | 1 watt | Carbon         | V2 a/b  | ECL86   |        |              |           |
| R15       | 6.8K    | 5%        | ½ watt | High Stability | <b>Silicon Rectifiers</b>                                       |         |        |              |           |
| R16       | 5.6K    | 10%       | 1 watt | Carbon         | MR1/MR2 BY114   |         |        |              |           |
| R17       | 470ohms | 10%       | 1 watt | Carbon         | <b>Fuses</b>  |         |        |              |           |
| R18       | 2.2ohms | 10%       | 4 watt | Wire Wound     | F1 ½A. 1½" glass cartridge pattern. Anti-surge.                 |         |        |              |           |
|           |         |           |        |                | F2 1A. 1½" glass cartridge pattern. Anti-surge (110V Range 2A.) |         |        |              |           |

### CONTROL UNIT

| Resistors | Value     | Tolerance | Rating | Type           | Capacitors            | Value          | Rating            | Type         | Tolerance |
|-----------|-----------|-----------|--------|----------------|-----------------------|----------------|-------------------|--------------|-----------|
| R1        | 470K      | 5%        | ½ watt | High Stability | C1                    | 40mfd          | 16V               | Electrolytic | —         |
| R2        | 820K      | 5%        | ½ watt | High Stability | C2                    | .022mfd        | 400V              | Polyester    | 10%       |
| R3        | 2.2K      | 5%        | ½ watt | High Stability | C3                    | 40mfd          | 16V               | Electrolytic | —         |
| R4        | 220K      | 5%        | ½ watt | High Stability | C4                    | .1mfd          | 400V              | Polyester    | 10%       |
| R5        | 33K       | 5%        | ½ watt | High Stability | C5                    | 400pf          | 400V              | Polystyrene  | 10%       |
| R6        | 8.2megohm | 10%       | ½ watt | Carbon         | C6                    | 4700pf         | 400V              | Polyester    | 10%       |
| R7        | 270 ohms  | 5%        | ½ watt | High Stability | C7                    | 100pf          | 400V              | Polystyrene  | 5%        |
| R8        | 2.2K      | 5%        | ½ watt | High Stability | C8                    | 1200pf         | 125V              | Polystyrene  | 5%        |
| R9        | 100K      | 10%       | ½ watt | Carbon         | C9                    | 1500pf         | 125V              | Polystyrene  | 5%        |
| R10       | 470K      | 10%       | ½ watt | Carbon         | C10                   | .1mfd          | 400V              | Polyester    | 10%       |
| R11       | 100K      | 10%       | ½ watt | Carbon         | C11                   | .047mfd        | 160V              | Polyester    | 20%       |
| R12       | 100K      | 10%       | ½ watt | Carbon         | C12                   | 16mfd          | 350V              | Electrolytic | —         |
| R13       | 330K      | 10%       | ½ watt | Carbon         | C13                   | 16mfd          | 350V              | Electrolytic | —         |
| R14       | 270K      | 10%       | ½ watt | Carbon         | C14                   | 100mfd         | 4V                | Electrolytic | —         |
| R15       | 270K      | 10%       | ½ watt | Carbon         | <b>Potentiometers</b> |                |                   |              |           |
| R16       | 100K      | 10%       | ½ watt | Carbon         | RV1                   | Dual 1 megohm  | LIN               |              |           |
| R17       | 22K       | 10%       | ½ watt | Carbon         | RV2                   | Dual 500K      | LIN Centre Tapped |              |           |
| R18       | 10K       | 10%       | ½ watt | Carbon         | RV3                   | Dual 250K      | LOG + Switch      |              |           |
| R19       | 1K        | 5%        | ½ watt | High Stability | RV4                   | Dual 1K        | LIN               |              |           |
|           |           |           |        |                | <b>Dial Bulb</b>      |                |                   |              |           |
|           |           |           |        |                | LP1                   | 8V. 1W. L.E.S. |                   |              |           |
|           |           |           |        |                | <b>Valves</b>         |                |                   |              |           |
|           |           |           |        |                | V1 a/b                | ECC 807        |                   |              |           |
|           |           |           |        |                | V2 a/b                | ECC 807        |                   |              |           |