"RD" CADET III STEREO AMPLIFIER

AMPLIFIER CIRCUIT

CHANNEL "A" LEFT

CHANNEL "B" RIGHT

INPUT SOCKET

LOUD SPEAKERS

10/16Ω

3/5Ω

3/5Ω

10/16Ω

3 CORE LEAD

E

L

N

MAINS A.C. OUTLET

F1

F2

MR1

MR2

115V. A.C.

VOLTAGE SELECTOR SOCKET

RED RIVET

240 200 220 PLUG

T1

T2

V1a

V1b

V2a

V2b

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11

260V.

285V.

295V.

210V.

115V.

55V.

9V.

0-85V.

6·3V.

Mono/Stereo switch in STEREO position
Disc " " OFF "
Radio " " ON "
Tape " " OFF "

CHANNEL "A" LEFT

CHANNEL "B" RIGHT

P.B. UNIT

M/S.

DISC

RADIO

TAPE

SK1 DISC

SK2 RADIO

SK3 DISC ADAPTOR SOCKET

SK4 TAPE SOCKET

SK5 TAPE RECORD

SK6 TAPE REPLAY

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14

RV1 BASS

RV2 TREBLE

RV3 VOLUME

RV4 BALANCE

V1a V1b V2a V2b

120V. 160V. 175V. 215V. 240V. 260V.

1·25V. 1V. 1·4V.

6·5kc/s. 60c/s.

OUTPUT PLUG

6·3V.

LP1

SW1 ON/OFF SWITCH, GANGED TO VOLUME CONTROLS

CONTROL UNIT CIRCUIT

COMPONENT VALUES

AMPLIFIER

Resistors	*Value*	*Tolerance*	*Rating*	*Type*
R1	4·7K	10%	¼ watt	Carbon
R2	1megohm	10%	¼ watt	Carbon
R3	1·2K	10%	¼ watt	Carbon
R4	220ohms	5%	¼ watt	High Stability
R5	220K	10%	¼ watt	Carbon
R6	1megohm	10%	¼ watt	Carbon
R7	1K	10%	¼ watt	Carbon
R8	47K	5%	¼ watt	Carbon
R9	47K	5%	¼ watt	Carbon
R10	470K	10%	¼ watt	Carbon
R11	470K	10%	¼ watt	Carbon
R12	22K	10%	¼ watt	Carbon
R13	22K	10%	¼ watt	Carbon
R14	130ohms	5%	1 watt	Carbon
R15	6·8K	5%	½ watt	High Stability
R16	5·6K	10%	1 watt	Carbon
R17	470ohms	10%	1 watt	Carbon
R18	2·2ohms	10%	4 watt	Wire Wound

Capacitors	*Value*	*Rating*	*Type*	*Tolerance*
C1	40mfd	16V	Electrolytic	—
C2	·022mfd	400V	Polyester	10%
C3	400pf	350V	Polystyrene	10%
C4	·1mfd	400V	Polyester	10%
C5	·1mfd	400V	Polyester	10%
C6	40mfd	16V	Electrolytic	—
C7	680pf	350V	Polystyrene	10%
C8	16mfd	350V	Electrolytic	—
C9	16mfd	350V	Electrolytic	—
C10	100mfd	275V	Electrolytic	—
C11	100mfd	275V	Electrolytic	—

Valves

V1 a/b ECL86
V2 a/b ECL86

Silicon Rectifiers

MR1/MR2 BY114

Fuses

F1 ½A. 1¼" glass cartridge pattern. Anti-surge.
F2 1A. 1¼" glass cartridge pattern. Anti-surge.
(110V Range 2A.)

CONTROL UNIT

Resistors	*Value*	*Tolerance*	*Rating*	*Type*
R1	470K	5%	¼ watt	High Stability
R2	820K	5%	¼ watt	High Stability
R3	2·2K	5%	¼ watt	High Stability
R4	220K	5%	¼ watt	High Stability
R5	33K	5%	¼ watt	High Stability
R6	8·2megohm	10%	¼ watt	Carbon
R7	270 ohms	5%	¼ watt	High Stability
R8	2·2K	5%	½ watt	High Stability
R9	100K	10%	¼ watt	Carbon
R10	470K	10%	¼ watt	Carbon
R11	100K	10%	¼ watt	Carbon
R12	100K	10%	¼ watt	Carbon
R13	330K	10%	¼ watt	Carbon
R14	270K	10%	¼ watt	Carbon
R15	270K	10%	¼ watt	Carbon
R16	100K	10%	¼ watt	Carbon
R17	22K	10%	¼ watt	Carbon
R18	10K	10%	¼ watt	Carbon
R19	1K	5%	¼ watt	High Stability

Capacitors	*Value*	*Rating*	*Type*	*Tolerance*
C1	40mfd	16V	Electrolytic	—
C2	·022mfd	400V	Polyester	10%
C3	40mfd	16V	Electrolytic	—
C4	·1mfd	400V	Polyester	10%
C5	400pf	400V	Polystyrene	10%
C6	4700pf	400V	Polyester	10%
C7	100pf	400V	Polystyrene	5%
C8	1200pf	125V	Polystyrene	5%
C9	1500pf	125V	Polystyrene	5%
C10	·1mfd	400V	Polyester	10
C11	·047mfd	160V	Polyester	20%
C12	16mfd	350V	Electrolytic	—%
C13	16mfd	350V	Electrolytic	—
C14	100mfd	4V	Electrolytic	—

Potentiometers

RV1	Dual	1 megohm	LIN
RV2	Dual	500K	LIN Centre Tapped
RV3	Dual	250K	LOG + Switch
RV4	Dual	1K	LIN

Dial Bulb

LP1 8V. 1W. L.E.S.

Valves

V1 a/b ECC 807
V2 a/b ECC 807

IMPORTANT: Save the carton together with all fittings in case it may be necessary to return the unit for service. If this does prove necessary, great care should be taken in packing so as to minimise the possibility of damage being sustained in transit. Any transit damage resulting from inadequate packing will not be covered by our Guarantee nor will it be covered by the Carriers. Where possible we recommend that equipment be returned by Passenger Train at Company's Risk.

ROGERS DEVELOPMENTS (ELECTRONICS) LTD.

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