

ELECTROCOMPANET

SERVICE MANUAL

AMPLIWIRE 250 - AMPLIWIRE 100 - AMPLIWIRE 65

trouble shooting chart

General notes:

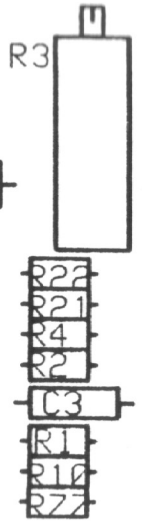
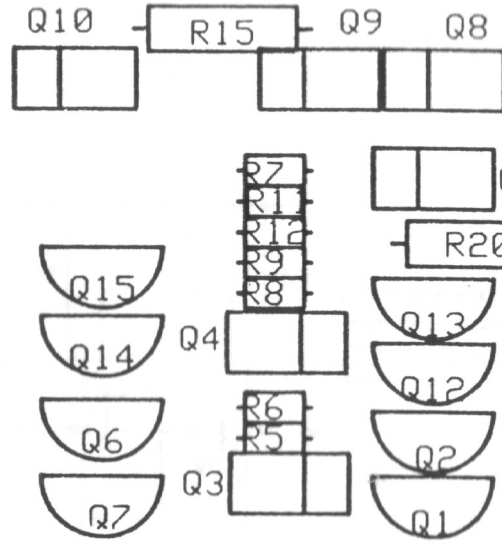
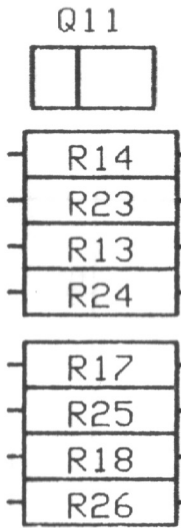
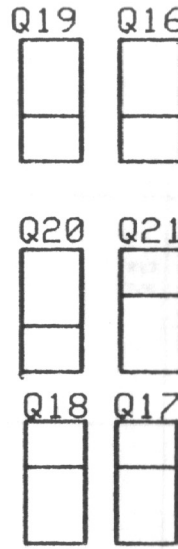
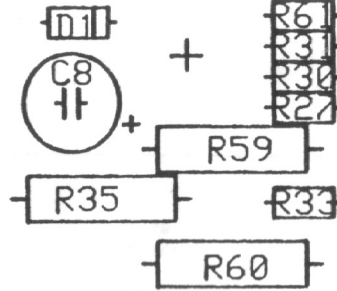
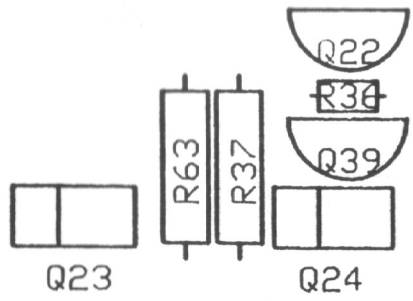
ALWAYS UNPLUG AC BEFORE SWAPPING, REMOVING OR REPLACING COMPONENTS.
WHEN ANALYZING CIRCUIT, CONSIDER SOCKETS AND CABLES AS POSSIBLE CAUSES
OF FAILURES.

IDLING CURRENT:

The idling current is measured across one emitter resistor. Normally
the one with the highest value.

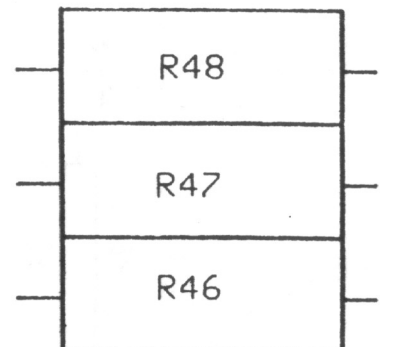
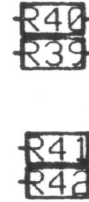
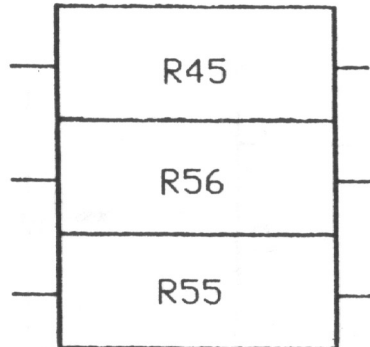
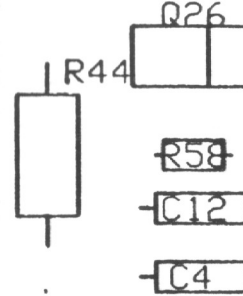
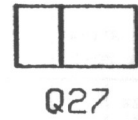
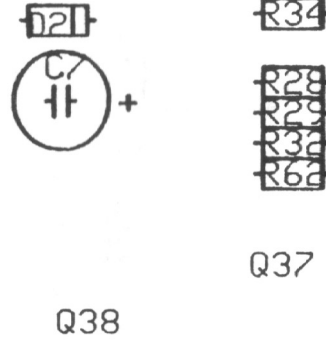
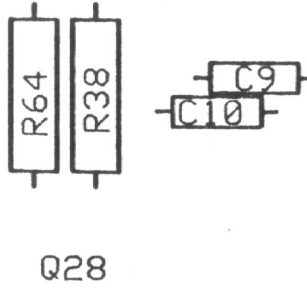
Value off emitter resistor:	AW 250	AW 100	AW 65 (II)
0.47 ohm			80mV
0.2 ohm	10mV	20mV	40mV

After change of output devices adjust to the above values and leave
the amplifier on for app. 1 hour and then readjust.



P2

P1

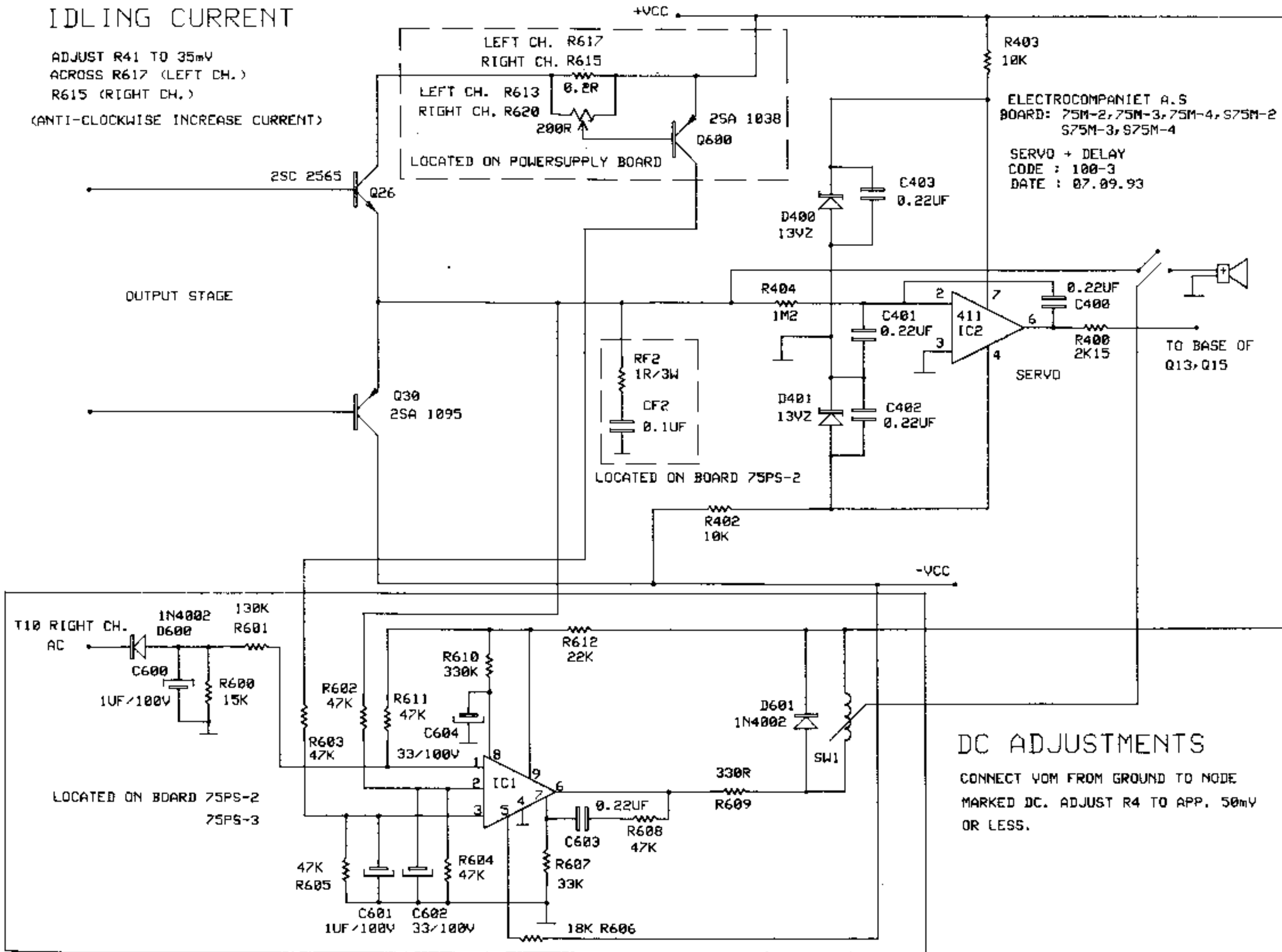


EC
AW250-1



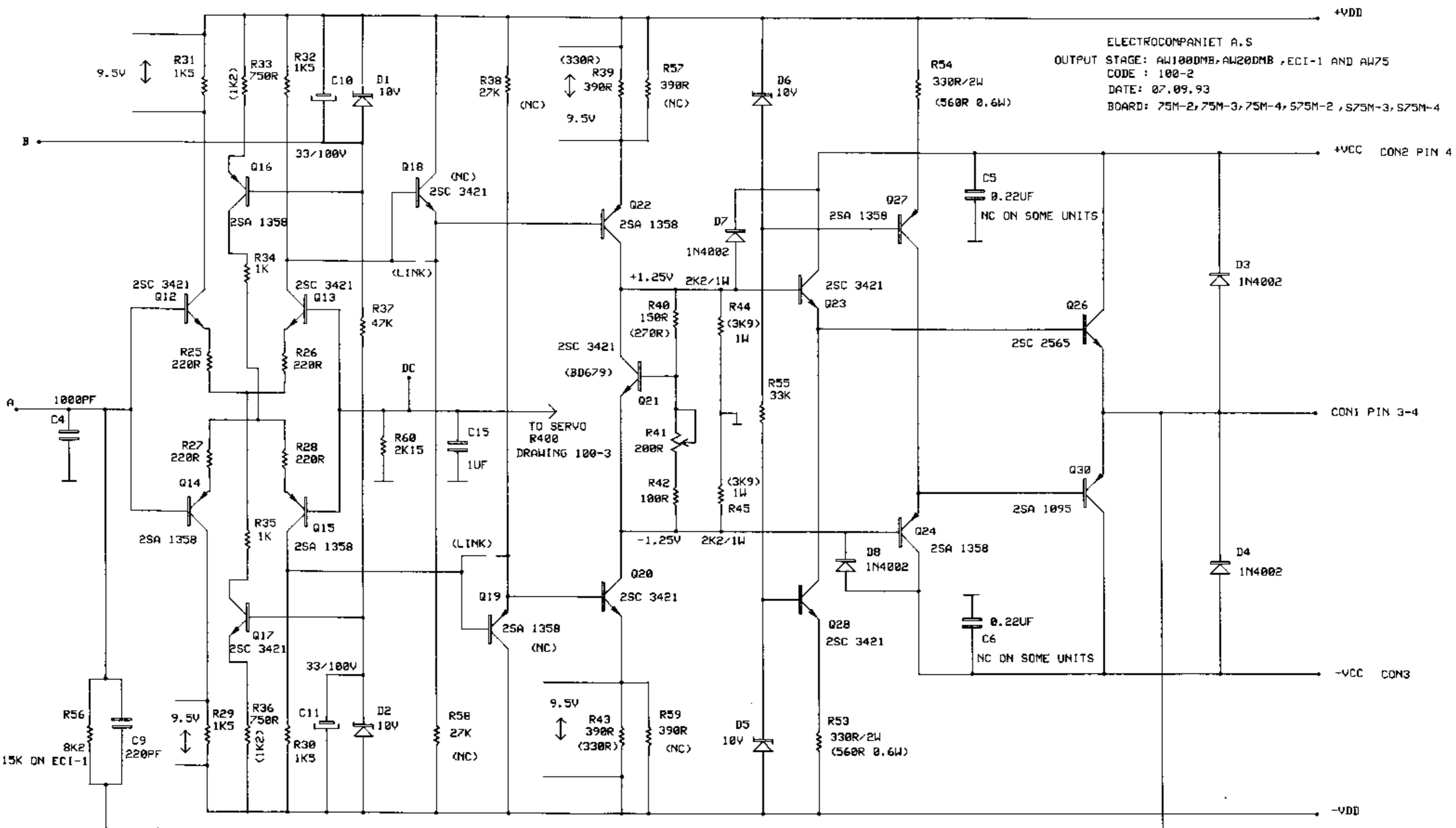
IDLING CURRENT

ADJUST R41 TO 35mV
ACROSS R617 (LEFT CH.)
R615 (RIGHT CH.)
(ANTI-CLOCKWISE INCREASE CURRENT)



DC ADJUSTMENTS

CONNECT VOM FROM GROUND TO NODE
MARKED DC. ADJUST R4 TO APP. 50mV
OR LESS.



ELECTROCOMPANIET A.S
 OUTPUT STAGE: AW100DMB, AW20DMB, ECI-1 AND AW75
 CODE: 100-2
 DATE: 07.09.93
 BOARD: 75M-2, 75M-3, 75M-4, 575M-2, 575M-3, 575M-4

A
 1000PF
 C4
 15K ON ECI-1
 R56
 8K2
 C9
 220PF
 9.5V
 R29
 1K5

9.5V
 R31
 1K5
 (1K2)
 R33
 750R
 R32
 1K5
 C10
 D1
 10V

(330R)
 R39
 390R
 9.5V
 R57
 390R
 (NC)

R54
 330R/2W
 (560R 0.6W)

+VDD
 +VCC CON2 PIN 4

C5
 0.22UF
 NC ON SOME UNITS

D3
 1N4002

(LINK)

+1.25V
 2K2/1W

2SC 2565

CON1 PIN 3-4

TO SERVO
 R400
 DRAWING 100-3

R40
 150R
 (270R)

R44
 (3K9)
 1W

2SA 1095

D4
 1N4002

(LINK)

-1.25V
 2K2/1W

C6
 0.22UF
 NC ON SOME UNITS

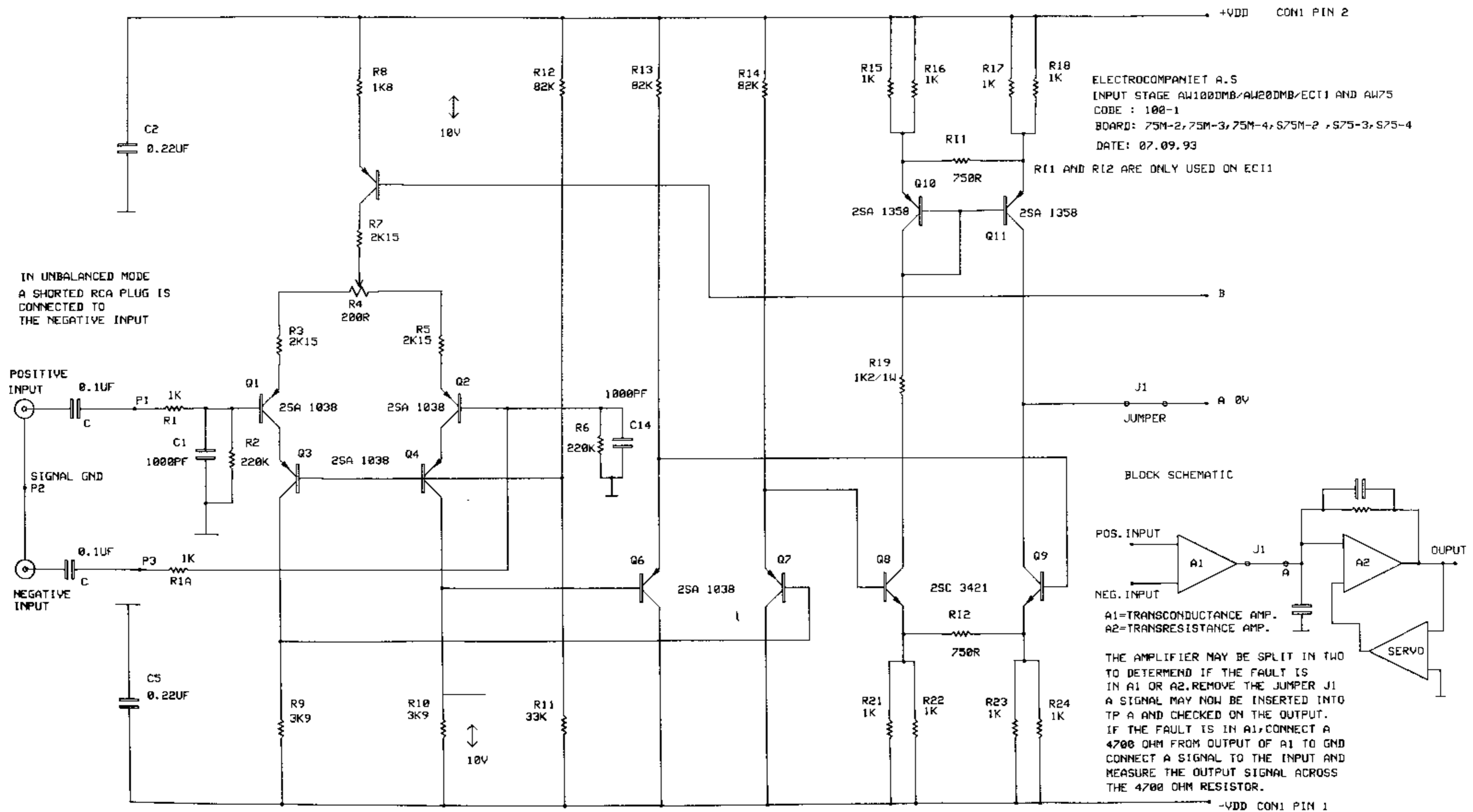
-VCC CON3

9.5V
 R43
 390R
 (330R)

D5
 10V

R53
 330R/2W
 (560R 0.6W)

-VDD

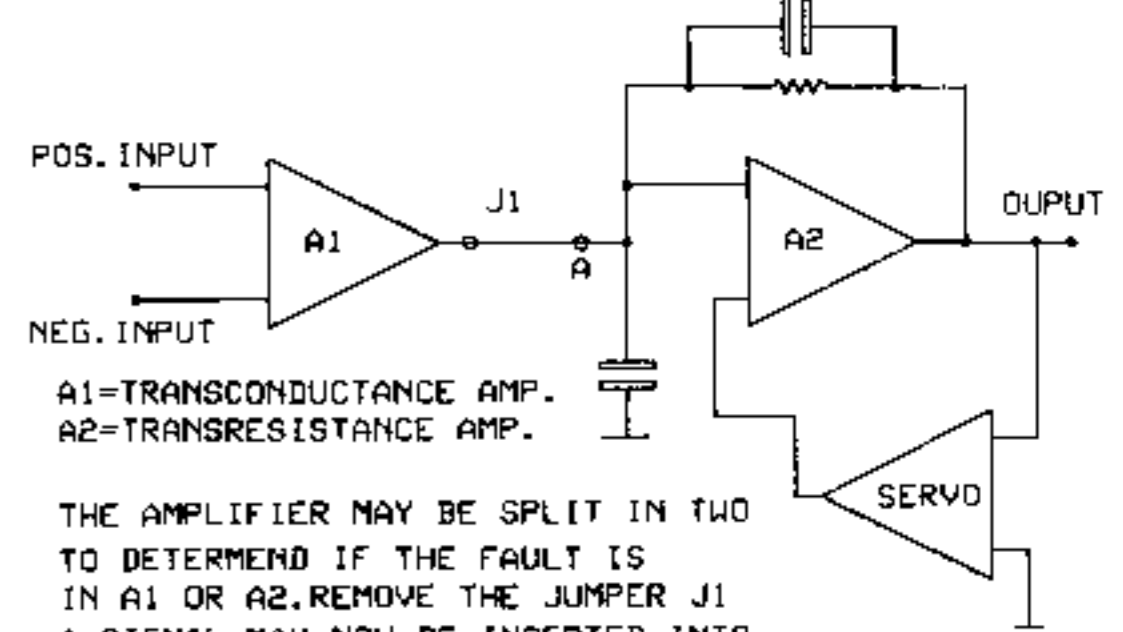


IN UNBALANCED MODE
A SHORTED RCA PLUG IS
CONNECTED TO
THE NEGATIVE INPUT

ELECTROCOMPANET A.S
INPUT STAGE AW100DMB/AW20DMB/ECI1 AND AW75
CODE : 100-1
BOARD: 75M-2, 75M-3, 75M-4, S75M-2, S75-3, S75-4
DATE: 07.09.93

R11 AND R12 ARE ONLY USED ON ECI1

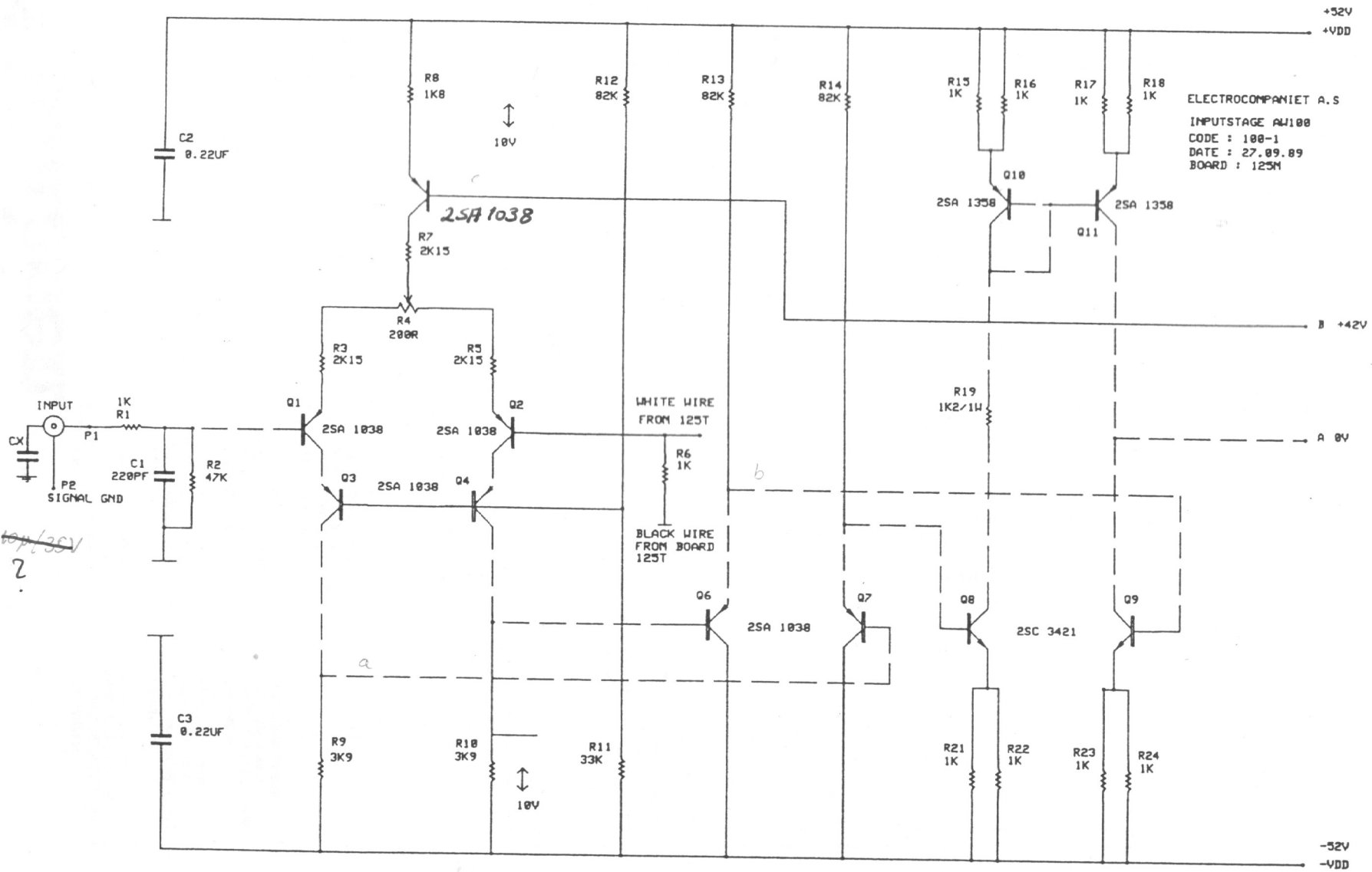
BLOCK SCHEMATIC



A1=TRANSCONDUCTANCE AMP.
A2=TRANSRESISTANCE AMP.

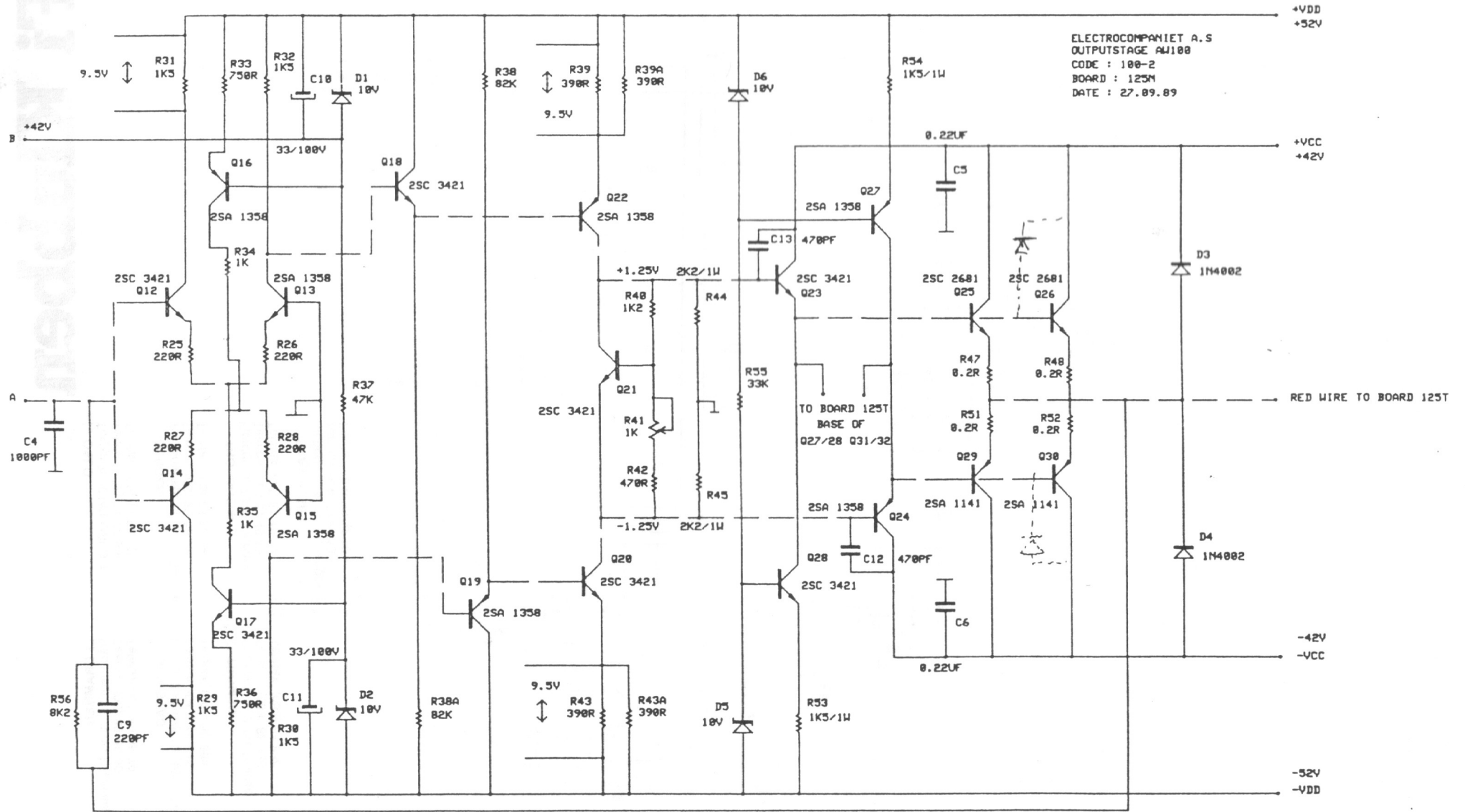
THE AMPLIFIER MAY BE SPLIT IN TWO
TO DETERMEND IF THE FAULT IS
IN A1 OR A2.REMOVE THE JUMPER J1
A SIGNAL MAY NOW BE INSERTED INTO
TP A AND CHECKED ON THE OUTPUT.
IF THE FAULT IS IN A1,CONNECT A
4700 OHM FROM OUTPUT OF A1 TO GND
CONNECT A SIGNAL TO THE INPUT AND
MEASURE THE OUTPUT SIGNAL ACROSS
THE 4700 OHM RESISTOR.

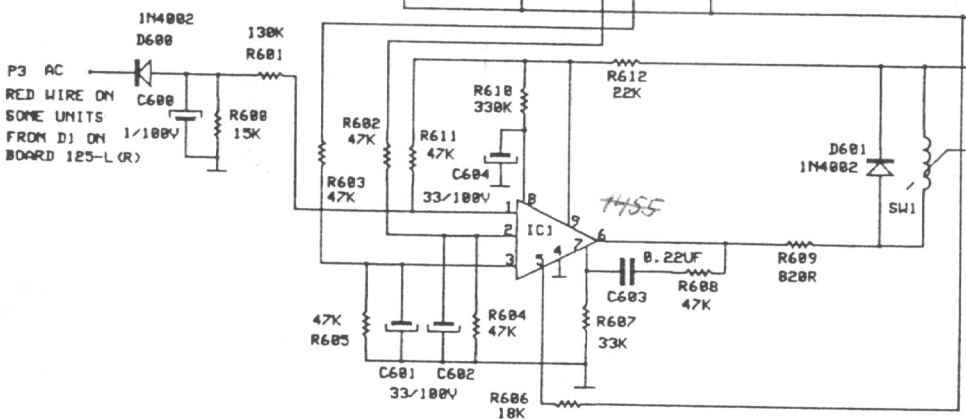
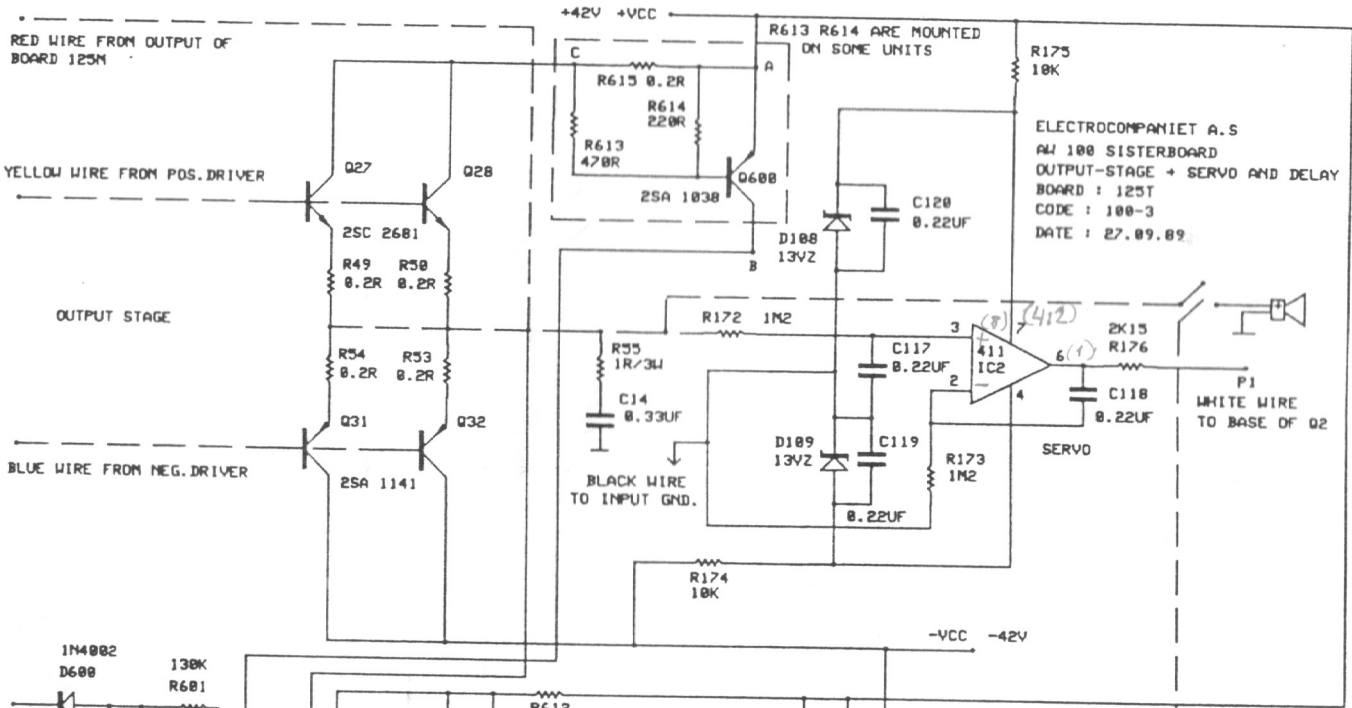
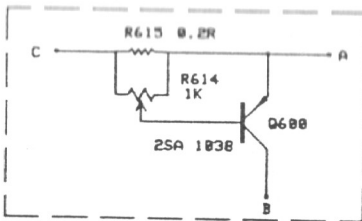
-VDD CON1 PIN 1



ELECTROCOMPANIEET A.S
 INPUTSTAGE AW100
 CODE : 100-1
 DATE : 27.09.89
 BOARD : 125M

10V/35V
 ?





ELECTROCOMPANIIET A.S
 AW 100 POWERSUPPLY
 CODE : 100-PS
 DATE : 27.09.89

BOARD : 125-L (R)

SLOW-START

