

# STUDER

PROFESSIONAL AUDIO EQUIPMENT

## Service Information

Modification of Record Driver  
Amplifier for increased Bias

Service Information SI 59/81 E

Modification of Record Driver  
Amplifier for increased Bias  
Service Information SI 59/81 E

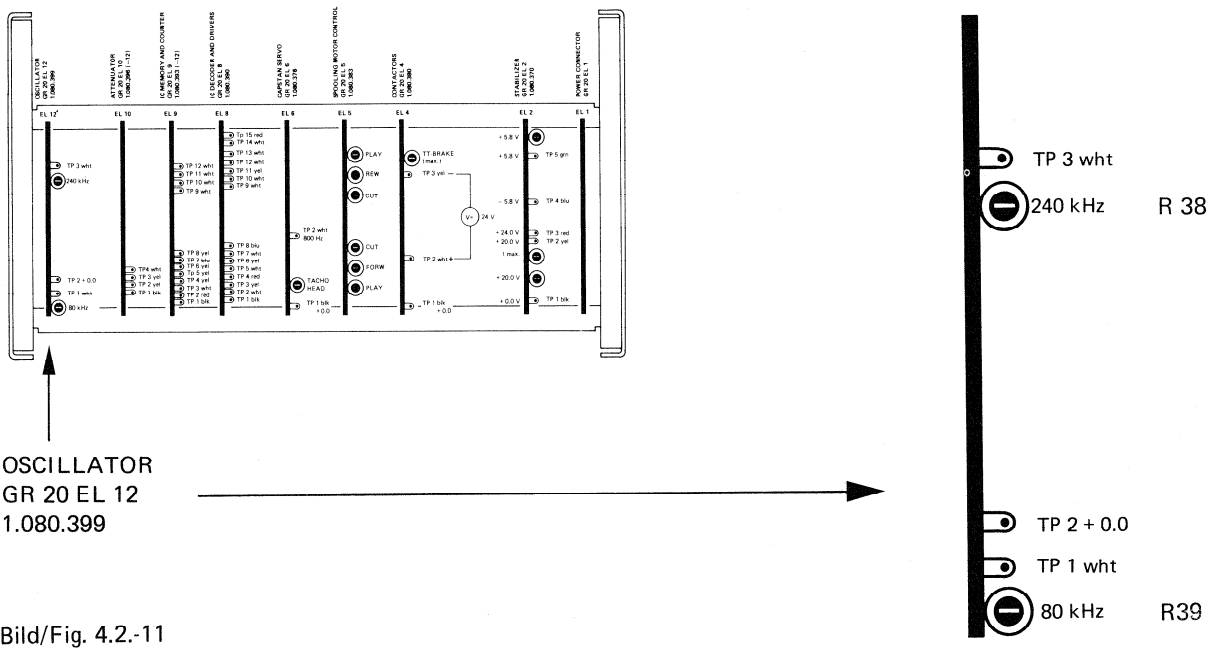
|                         |          |               |
|-------------------------|----------|---------------|
| List of components:     | Kit No.: | 20.020.300.15 |
| 1 Bias Driver           |          | 1.080.771.00  |
| 2 Resistors 2.2 Ohm     |          | 57.11.4229    |
| 1 Resistor 100 Ohm      |          | 57.41.4101    |
| 2 Resistors 4.7 Ohm 4 W |          | 57.56.5479    |
| 1 Capacitor 820 pF      |          | 59.04.9821    |

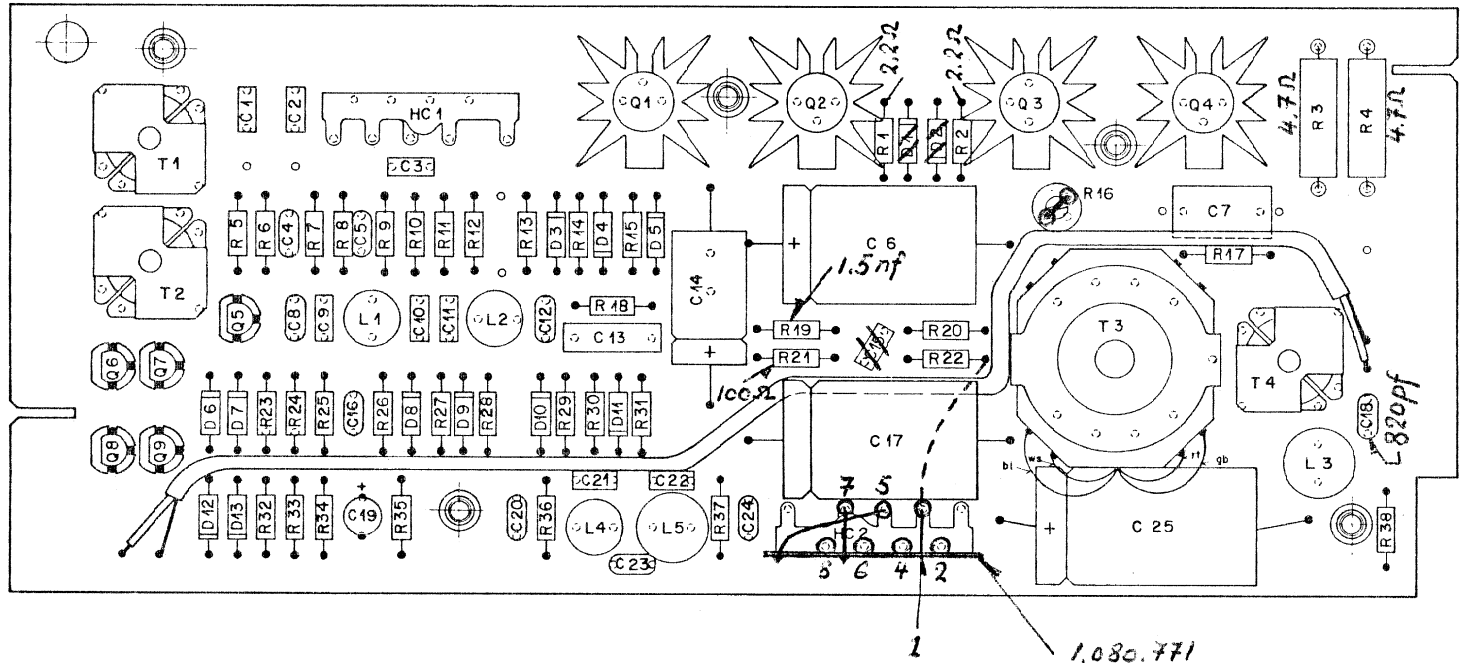
Modification procedure:

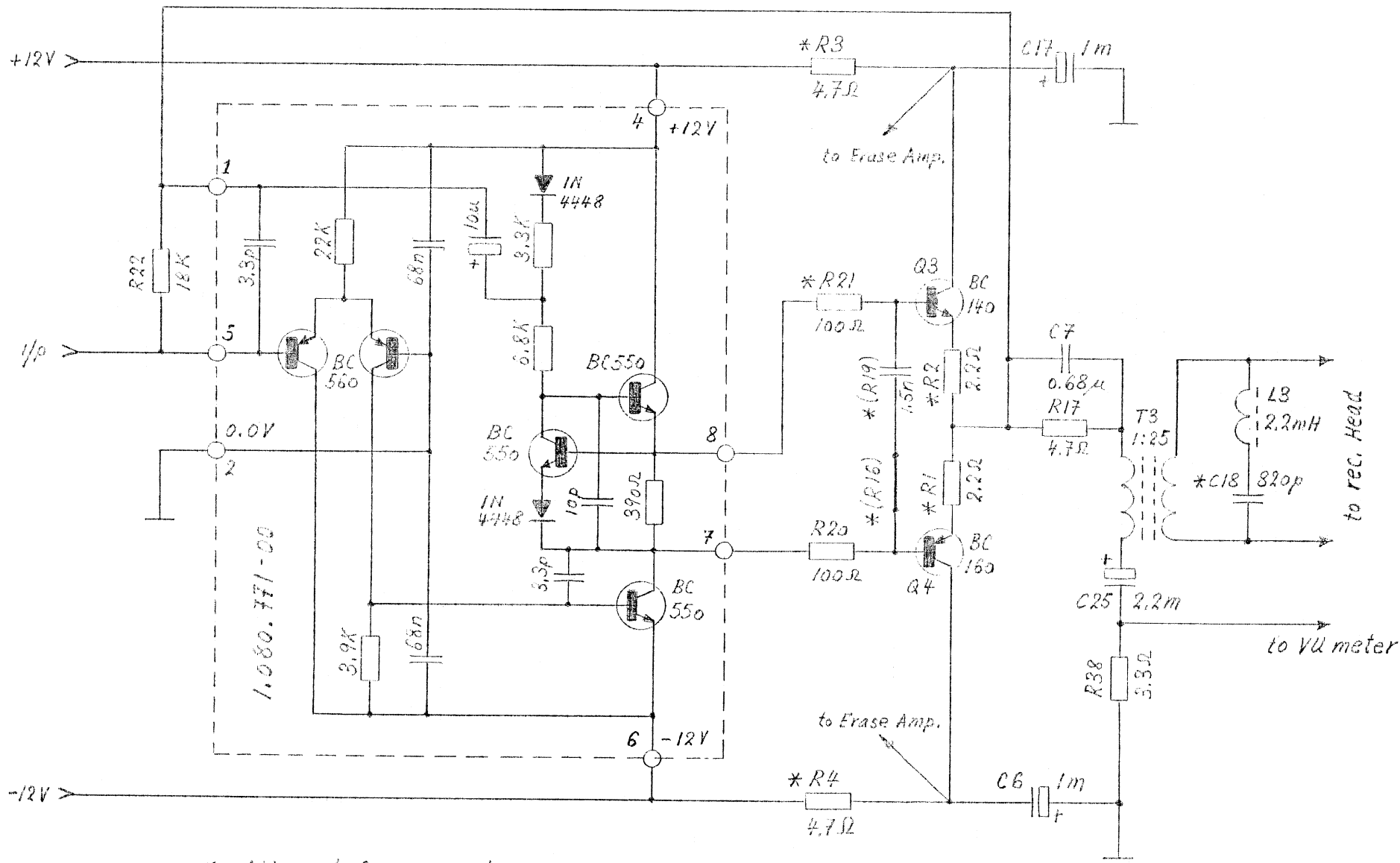
see circuit diagram and lay-out drawing.

- Remove A101, HC2 and insert Bias Driver 1.080.771 as shown in lay-out drawing. (thread wire connection 1 of 1.080.771 through freed hole and connect to hot leg of R 22, 18 kOhm)
- Remove C15 (3,3 pF), C18 (1,5 nF) and R19 (1 kOhm)
- Insert 1,5 nF capacitor (previous C18) in place of R19
- Replace R21 (330 Ohm) by 100 Ohm resistor supplied with kit
- Insert 820 pF capacitor supplied with kit in space C18
- Remove D1, D2 and R1, R2 and insert the two 2.2 Ohm resistors supplied with kit in space of R1 and R2 or D1 and D2

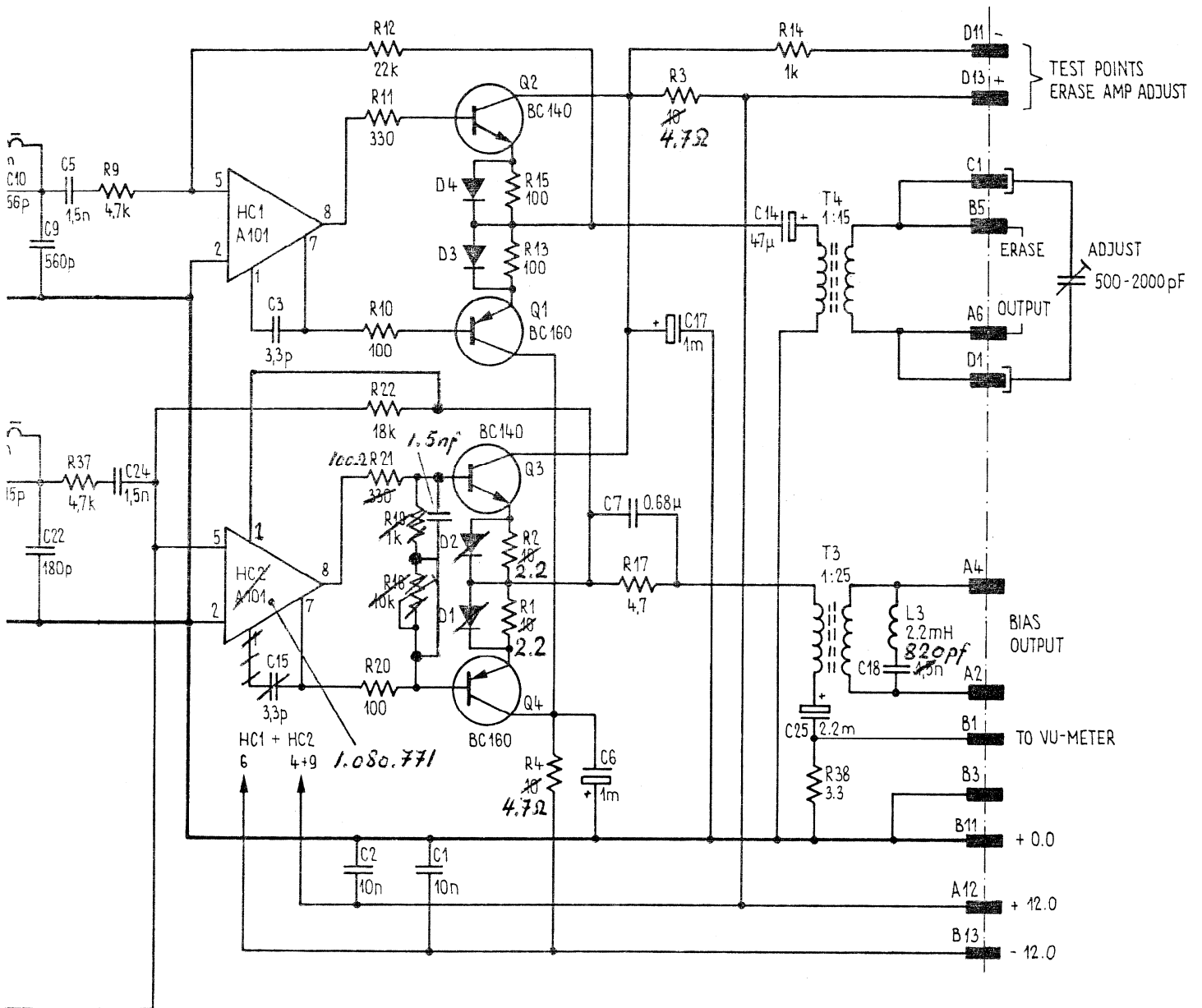
- Insert a bridging wire in place of potentiometer R16
- Replace R3 and R4 (10 Ohm) by the two 4,7 Ohm, 4 W resistors supplied with kit
- Readjustment of master oscillator 1.080.399:  
Connect a VTVM to TP2 (ground) and TP3 and adjust potentiometer R38 (Bias 240 kHz) to obtain a reading on the VTVM of 3.6 to 3.7 Volts.







\* = Altered Components



V4448

|                                |                  |
|--------------------------------|------------------|
| <b>STUDER</b>                  | <b>1.080.801</b> |
| <b>RECORD DRIVER AMPLIFIER</b> |                  |
| <b>A80/VU MK II</b>            | <b>ED 2 4.77</b> |