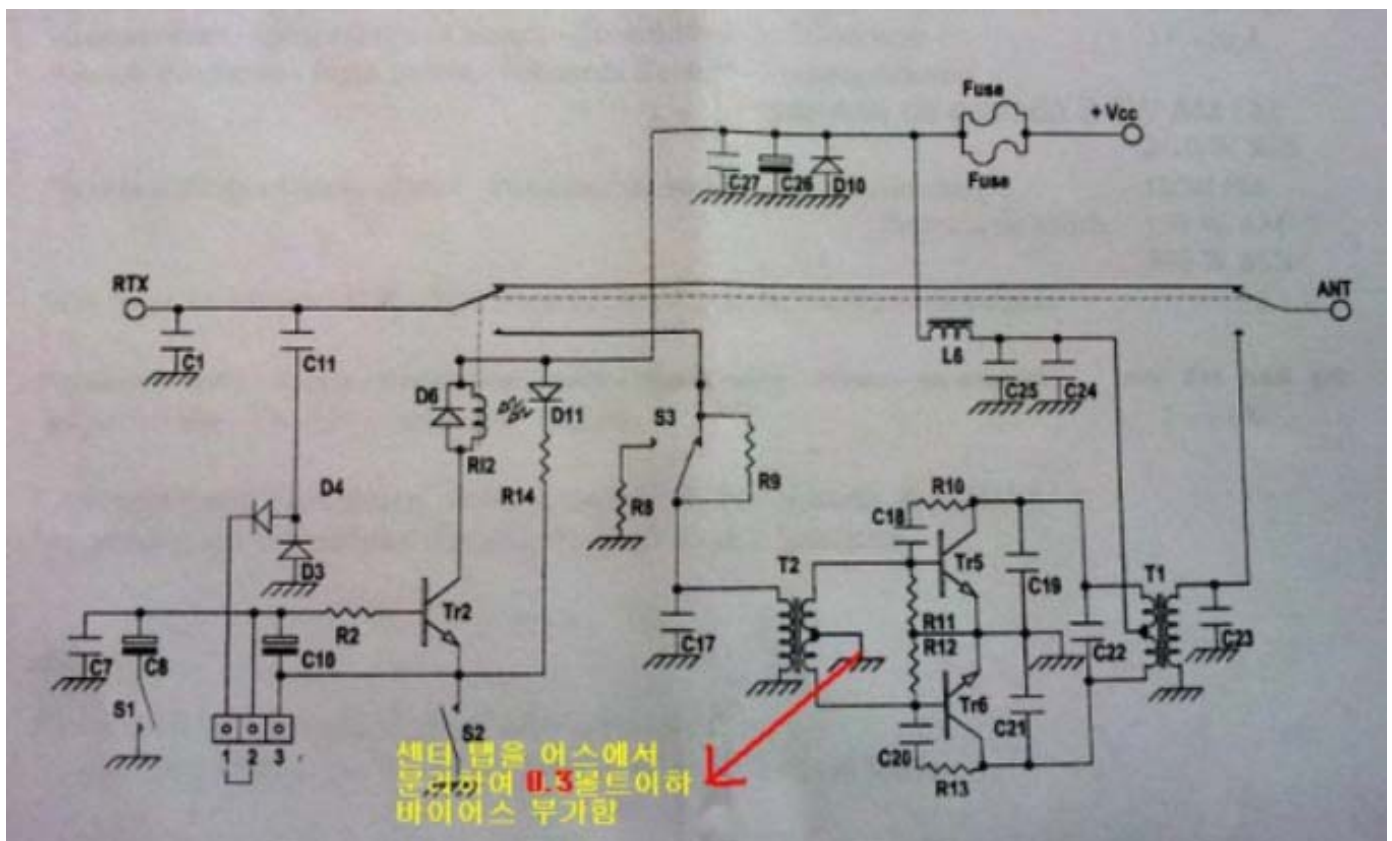
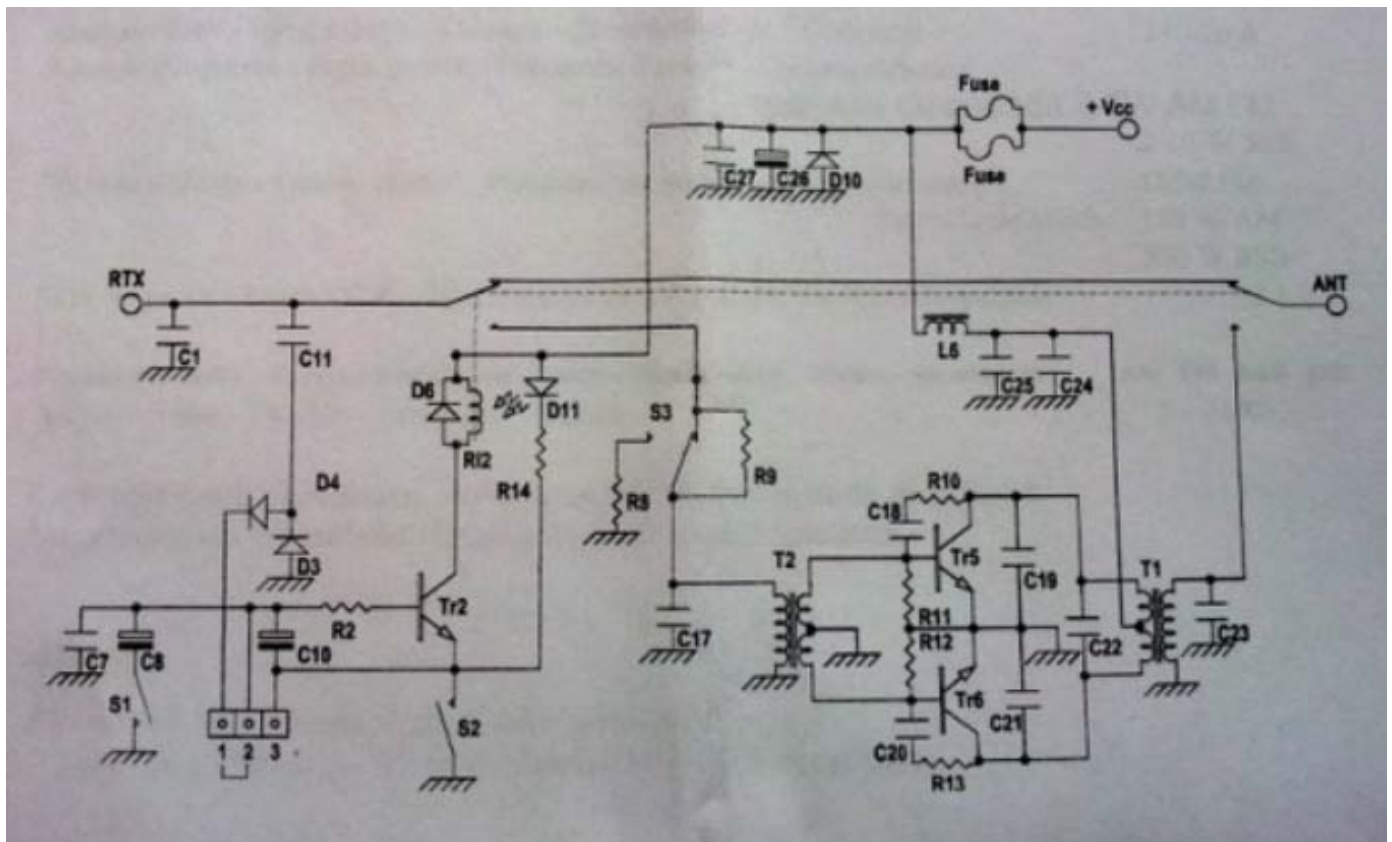


Renovated TC-300 for Improved sound quality

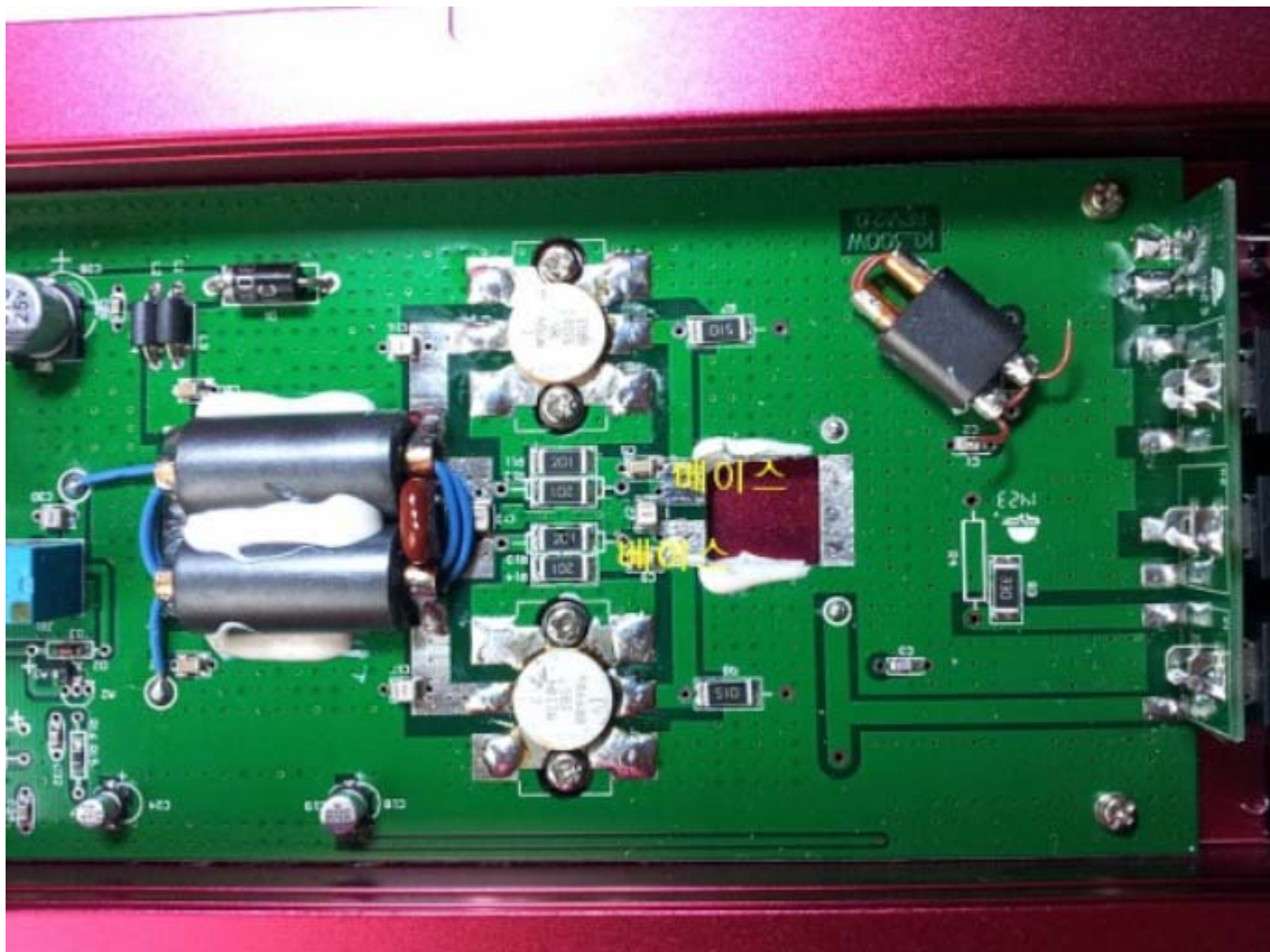
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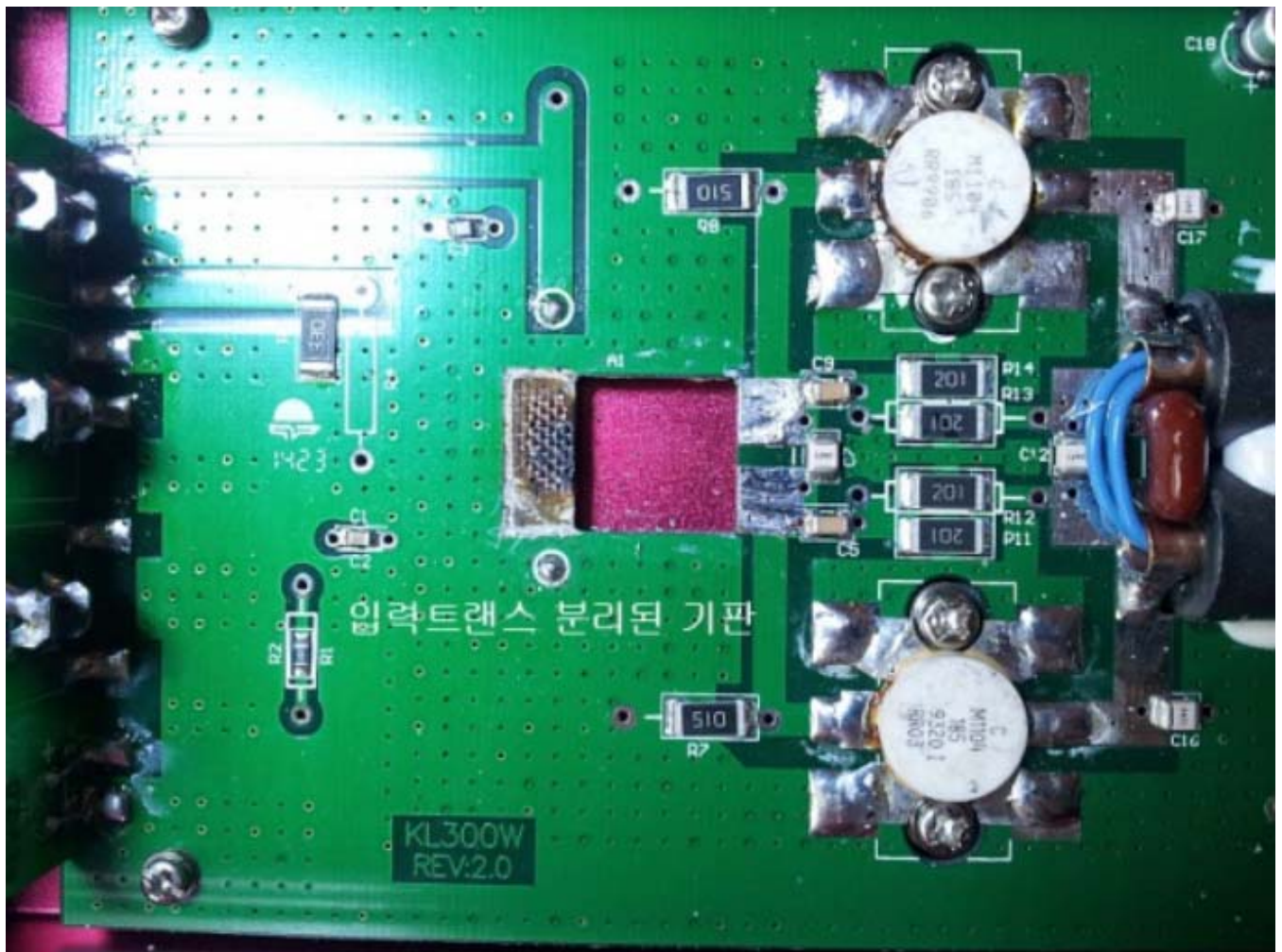


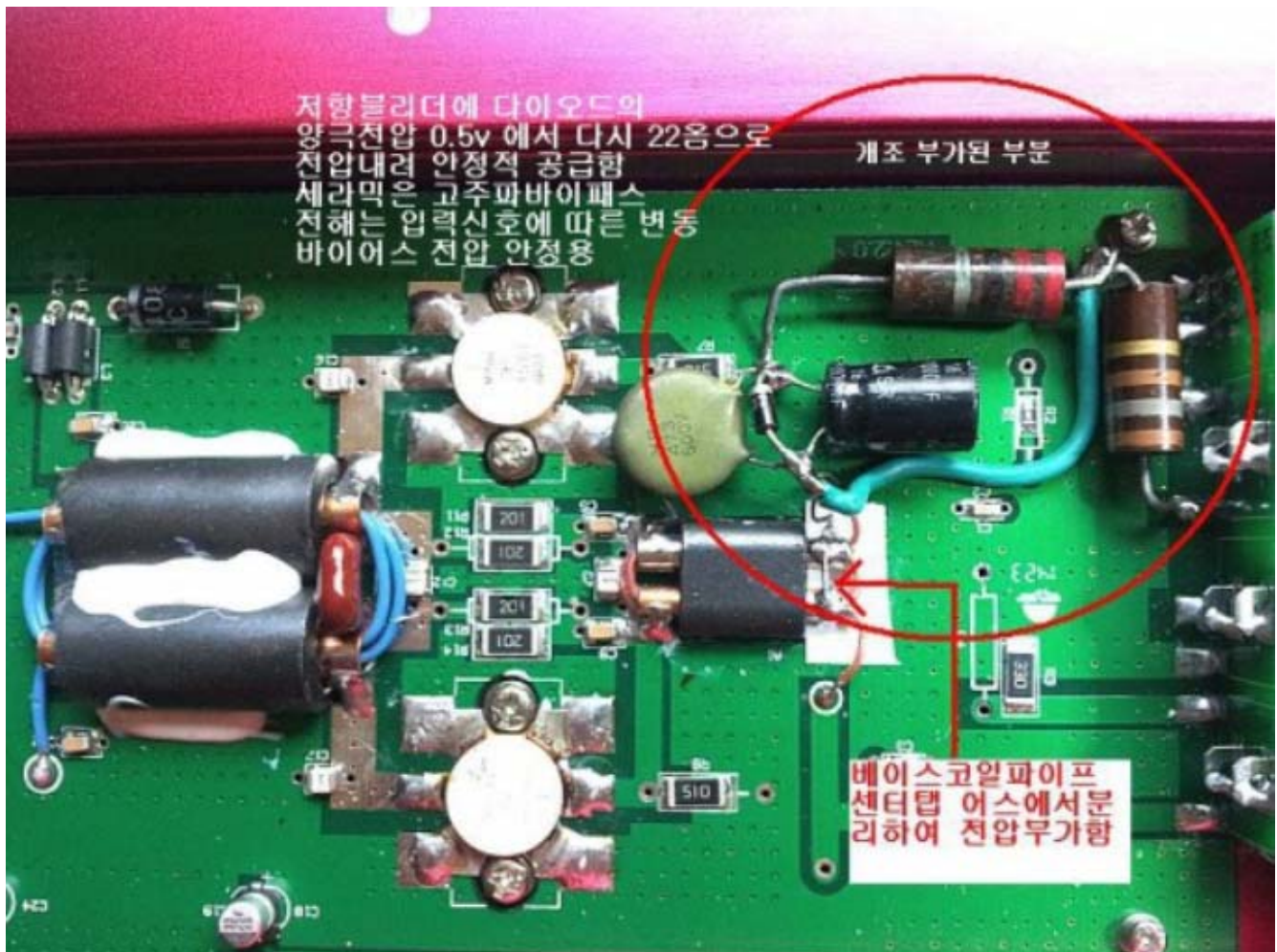


출력매칭트랜스

입력매칭트랜스







베이스 바이어스
0.3볼트 추가하여 아이들링
전류 0.3암페어 B급 PP
리니어 앰프로 개조

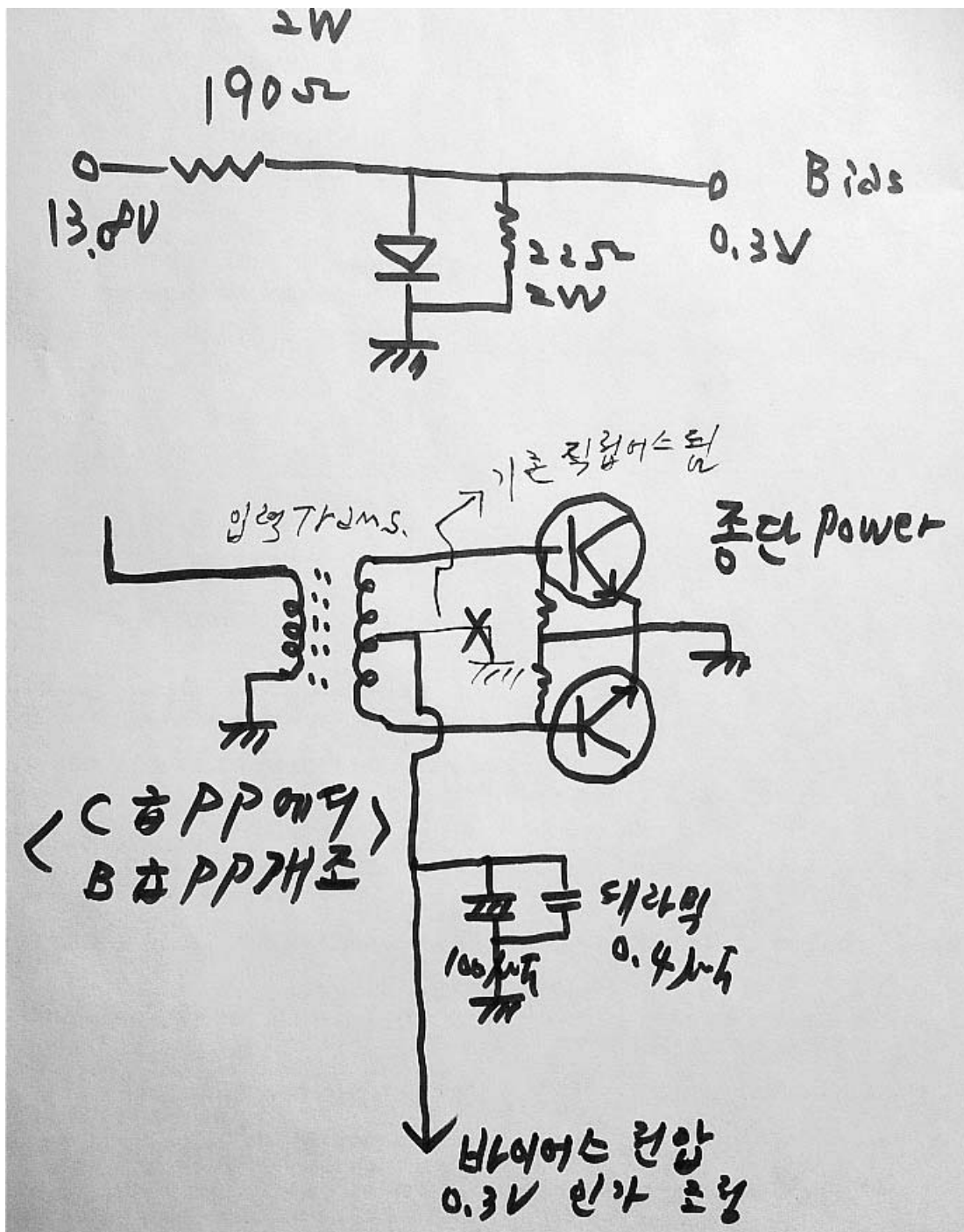
22옴

10000마이크로

180옴

E2H

300



Korean to English Translated

China linear HF 200 watts output, HF AMP HYS TC-300 renovated record

TC-300 is inexpensive and powerful output

In addition to the power went into the exam wearing dummy load

Shortness of output from 200 watts to FM mode

Sweet, pile, down the right wing, making 10 watts, so reducing the transceiver output in the SSB mode

I put the voices are distorted

Can I manipulate multiple boteon attached to the front. Try the monitor with another receiver

The sound is distorted

I look at the circuit, at least, unlike Japan Transceiver Termination

In other words, a class C amplifier looks Come to measure the idling increases Cooling Water

Cooling Water is not naturally grow almost no doubt that there is a distortion

Walking on the bias so that the experiment went on B-PP

I look at the bias voltage supply circuit in the Final of the Icom and Kenwood

Is also very stable, with a slightly complicated and cumbersome as to make supply

LM 317 for using the IC to the advantage of carrying this barrier below the minimum voltage setting is 1 volt

In making harmful hassle

Add in the additional silicon diode bias voltage for the bleeder resistor way

Put in direct thermal approximately 0.6 volts across the diode so reliably come in

Strapping down to 22 ohms at both ends of the diode back to 0.3 volts from 0.6 volts making

Final TR is supplied to both ends of the base has been stabilized in the range of large input signal changes

Despite the excess input signal by controlling the voltage over both ends of the silicon diode

Not departing from the 0.6 volts in the worst case

In the first experiment when idling going to try improve the quality spilled about 3 amps ryeotdeoni

The TR linear heat too, then wanted me to re-adjust idling impatiently

I lowered the current is 0.3 amps while also satisfying quality fever has completely reduced

Another receiver in SSB mode, the monitor while the input power to the tekseon PL660

Mai was appropriately adjusted to a large

Increasing the input power of about 10 watts more in the vicinity, so begin to interrupts migration

It is all based on generated using linear distortion without raising much needed

Final two eggs comes on, but the driver of the TR 200 watts into his permission range

Reducing the power variability is the freedom of the individual

The core of the renovation is the center tap on the secondary winding route to end-TR in the input transformer

Is to remove it from the ground of the substrate

Remove the solder and then gradually separate the two wires connected together with a pipe

There is insulated from the ground substrate while applying a voltage of 0.3 volts

Final output is quite strong that when TR is later destroyed the main transceiver output

TC-300 TR subtracting the same will I use Final

The TR 100 watts output seems to be more than the price ₩ 50,000

For this, dude, you know two

Biased slightly to give a quite satisfactory equipment

Similarly, if you write anjugo bias class C is also not good quality

To distortion and spurious You will be judged by the weighted

After the renovation is to be satisfied by cheap Chinese

Pocket so good equipment on hand to help China has given residence

Thanks to HL5- OM's packed-buck