

Replacing the RF input amplifier (TQP3M9008)

If the amplifier fails due to electrostatic induction, a sharp decrease in the sensitivity of the radio receiver occurs. To restore its performance, it must be replaced.

To do this, unscrew the side covers of the receiver without unscrewing the RF connector nut. Then carefully remove the shielding cover located next to the input connector.

To confirm the diagnosis, you should measure the voltage (with the receiver turned on) between the ground and arrow 1, the working range is 0.45-0.65V. And the voltage between arrows 2 and 3 is a working range of 0.1-0.2V. If at least one of them is out of range, then the amplifier should be replaced (be sure to turn off the receiver!). The location of the amplifier is indicated by a yellow arrow. It is advisable to replace it with a hot air gun.

