

TS-590SG Cooling Fan Fix

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The cooling fans in some recently produced TS-590SG transceivers were inadvertently installed backwards. The fix is simple and straight forward, but please proceed at your own risk.

Begin by removing the 10 screws on the bottom & sides of the case.

I recommend putting the screws in a magnetic parts tray so they don't get lost.



Remove the bottom case.



Turn the radio over, remove four more screws and lift off the top case:



Arrows embossed on these two cooling fans show air flow is incorrectly directed toward the front of the radio:



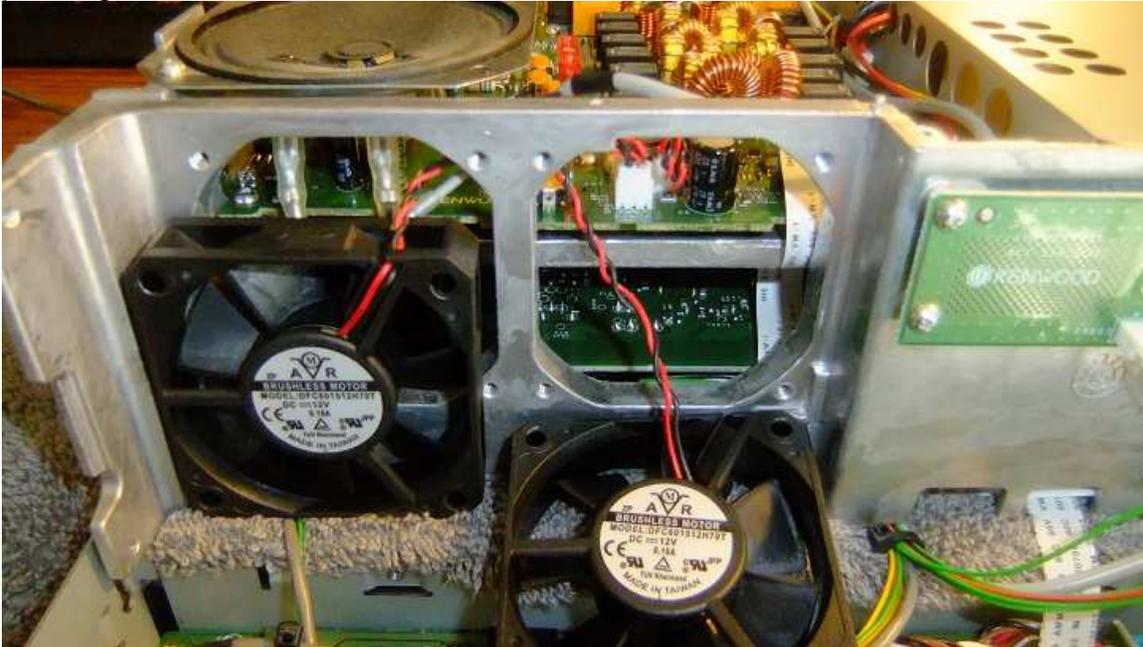
Loosen the bottom screws and remove the top screws at the sides of the front panel. Do not remove the bottom screws.



Allow the front panel to tilt down out of the way over the edge of table or workbench. You do not need to disconnect any wires. I removed the sheet metal shield on the top of the chassis, but found that was not necessary.



Remove the fan mounting screws and carefully lift the wires out of the notches in the fan frames. Turn the fans around and reinstall them with the air flow arrows pointing toward the back of the radio.



When you are done, the fans should look like this. Make sure the wires are clear of the fan blades:



Replace the front panel and top & bottom case. You are done!