

Graupner MC-19



DUPLEX TU module fits this transmitter well, for mounting 2.4 GHz use G19 assembly kit. If needed the antenna can be placed to the free position for switcher to avoid using G19 assembly kit. Transmitter must be switched off during manipulating. Put the transmitter on a soft pad to avoid damage.



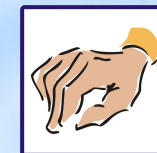
Turn off the transmitter!



Turn upside down



Unlock the lock

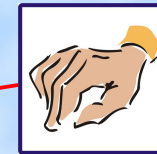
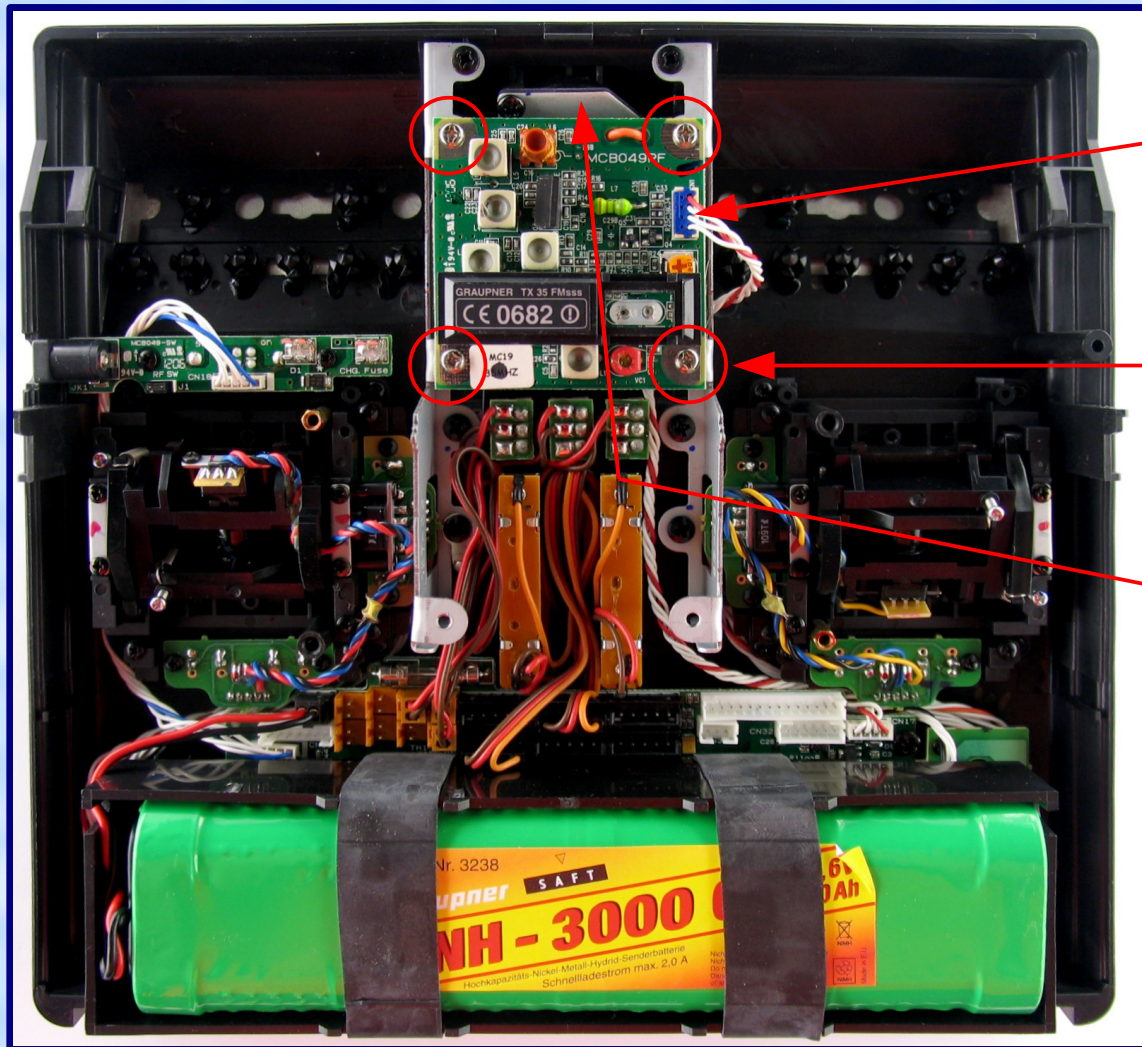


Open rear covering

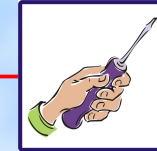
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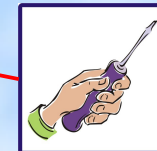
TU module is calculated to be placed to the original place of FM module. This is why the FM module must be removed. Disconnect four-core cable that goes to the FM module. Unscrew 4 screws and raise up the module. Unscrew the antenna from the FM module and remove the module.



Disconnect connector from FM module



Unscrew 4 screws



Unscrew the FM module from antenna

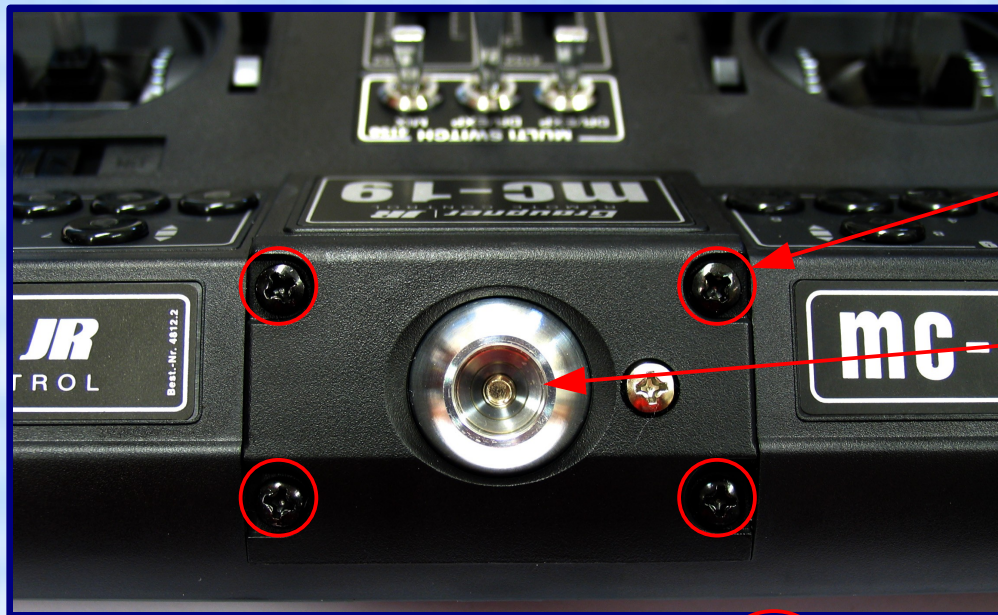


Remove the FM module

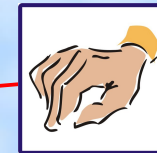
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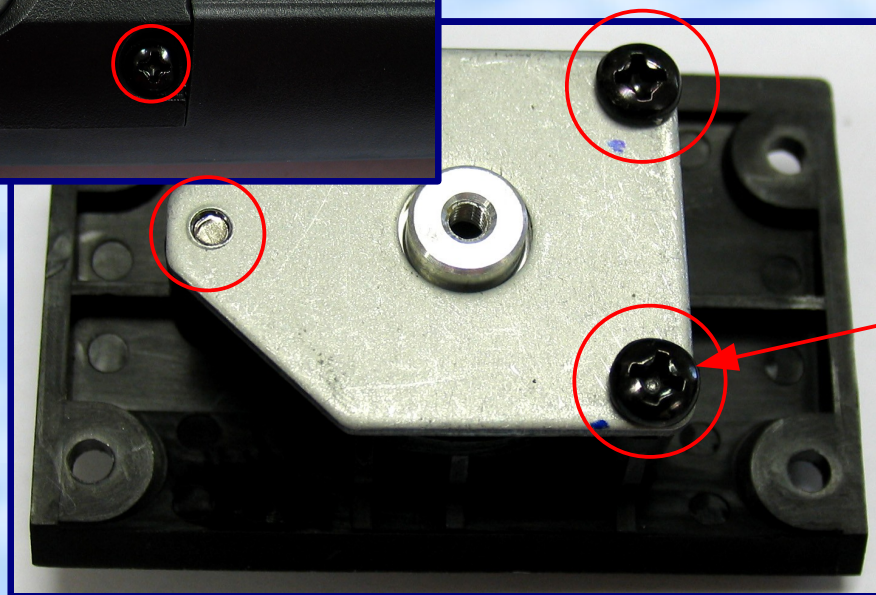
If the 2.4 Ghz antenna is installed to the place of original antenna, it is necessary to remove metal joint. Unscrew 4 screws that hold antenna plastic part in the transmitter and remove it. Metal joint is held by 3 screws. Unscrew all of them.



Unscrew 4 screws



Remove antenna module



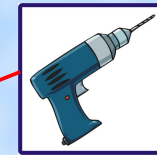
Unscrew the screws that hold the joint



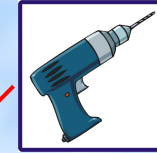
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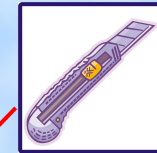
2.4GHz antenna will be held by plastic part from G19 assembly kit. It is necessary to drill 6mm hole for mounting the antenna connector and three 3mm holes for mounting this part to the antenna module. Cut out the part to the required shape, see picture. Unscrew the nut and washer from the antenna connector. Put the antenna connector out from the inside of the transmitter through the hole in the plastic part. Insert the washer and screw the nut.



Drill one 6mm hole



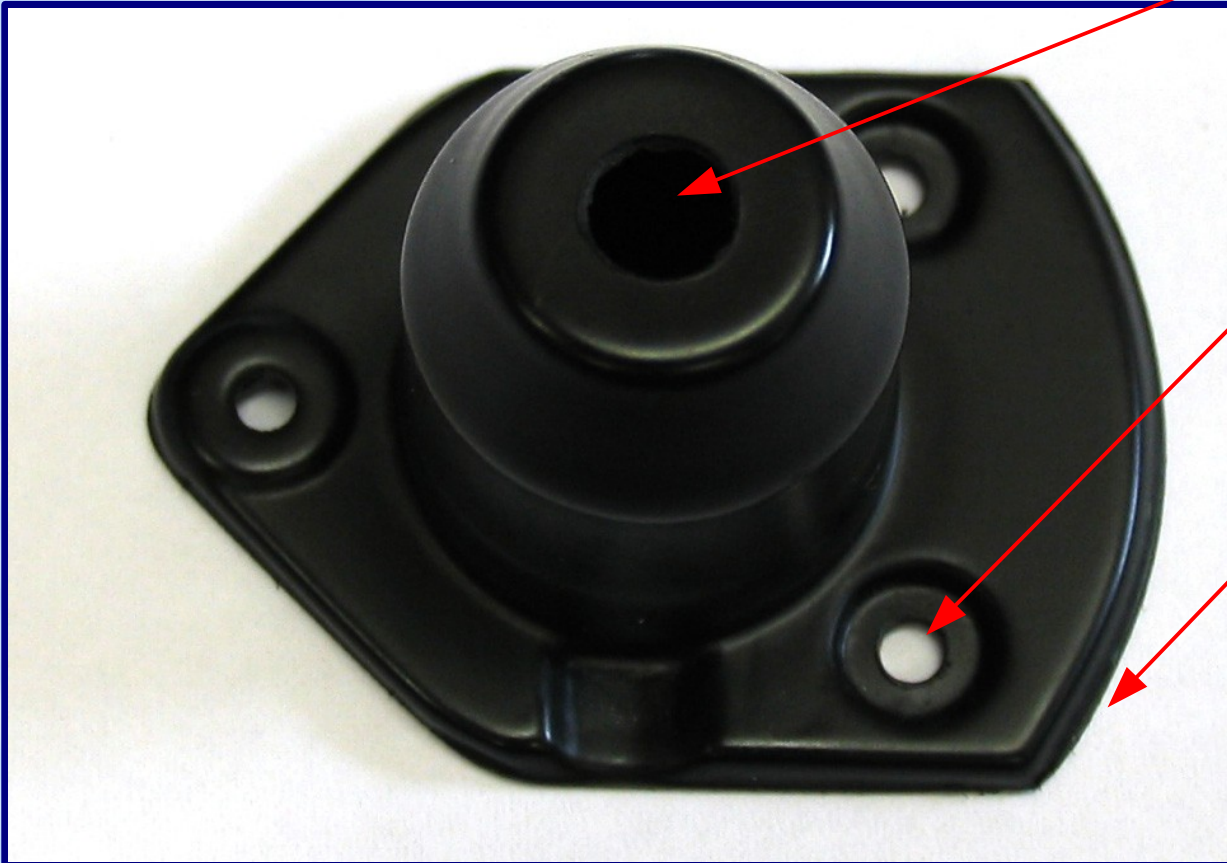
Drill three 3mm holes



Cut out the plastic part



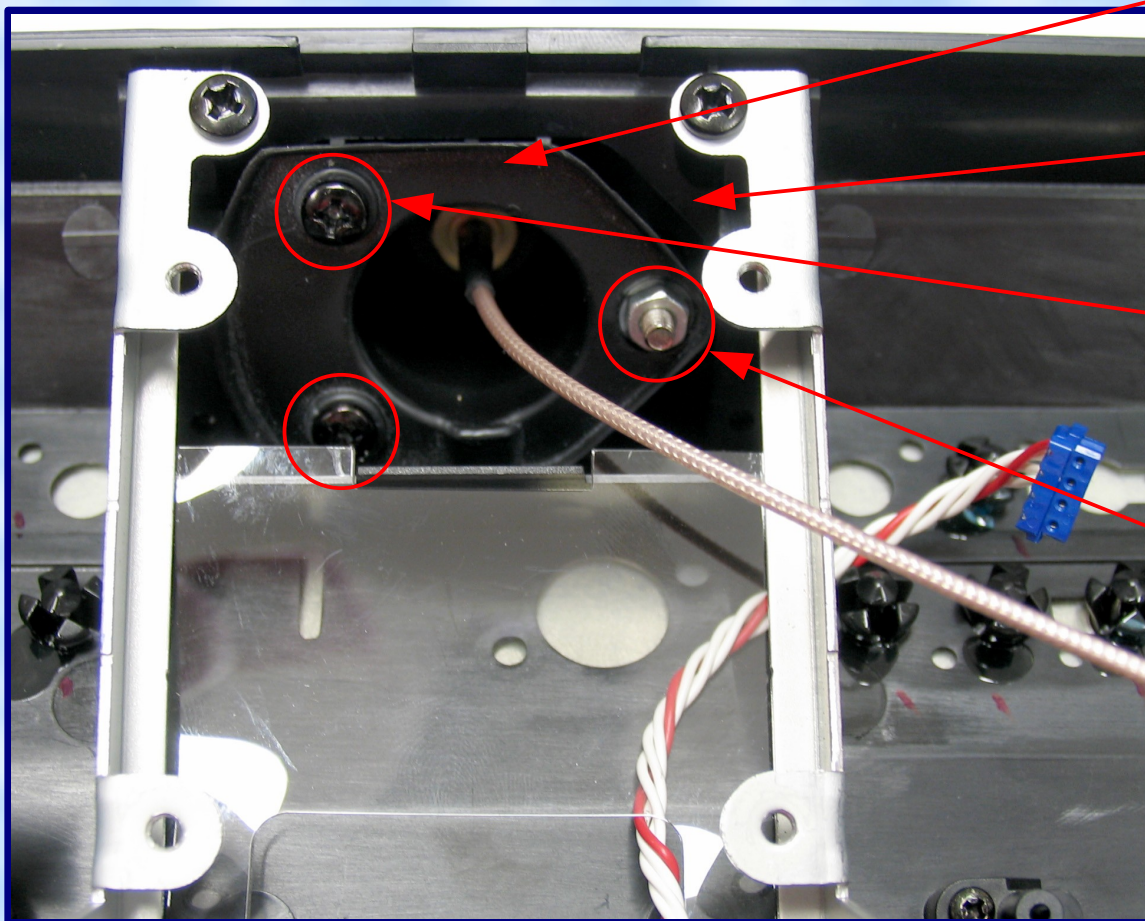
Mount antenna connector to the hole in the plastic part



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You can now put plastic part and antenna module together. Because of lack of space, put in plastic part firstly to the transmitter then insert antenna module, press both parts together and screw with 2 screws and 1 nut. The nut (M3) is contained in G19 assembly kit.



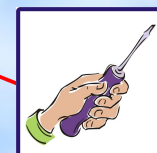
Put plastic part to the transmitter



Insert antenna part



Screw parts with original screws

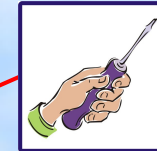
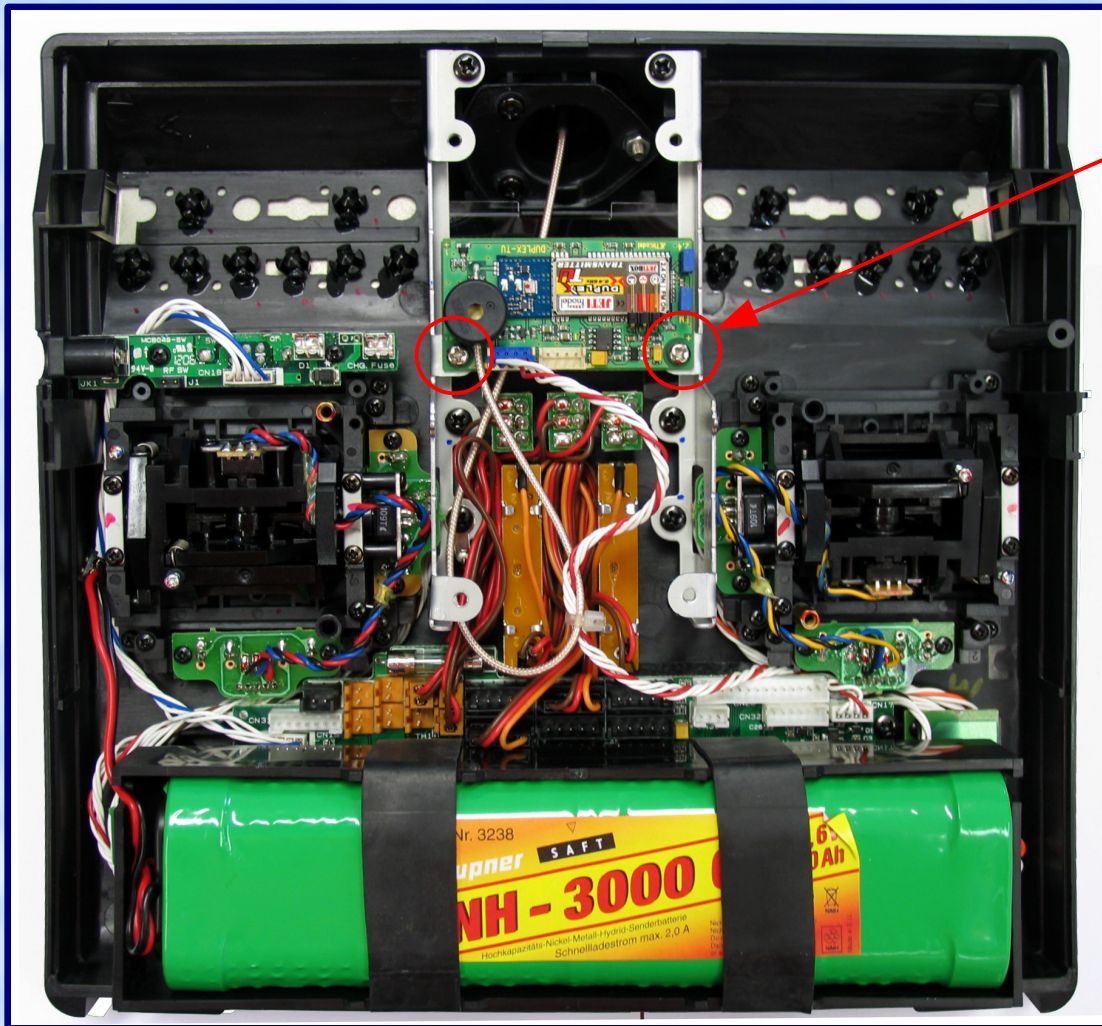


M3 nut is in G19 assembly kit

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Mount TU module to the place of original FM module with two screws and connect cable to the input connector (IN) Be carefull of antenna cabel in order not to block mechanical parts of transmitter or not to get broken because of excessive bend. Mount electric conductors with tape contained in assembly kit.



Screw TU module



Fix cables with enclosed tape

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Incase the transmitter with reverse procedure see page 1. Screw enclosed antenna. Installation is completed. Before using it is necessary to pair off new receiver and transmitter, see receiver manual.



Mount rear casing



Screw 2.4 GHz antenna