

# Transmitter protection

*By: Roy Vaillancourt*



I recently purchased the 2.4 GHZ Spektrum DSM2 module system to upgrade my JR 8103 radio system from the 72 MHz band to the 2.4 GHz technology. One thing I noticed right away is that Spektrum has addressed the antenna cable breakage problem very nicely. They added a neat little bent shield to the back side of the cable connector. This helps prevent wayward hands from fumbling with the cable and hopefully prevent breakage.



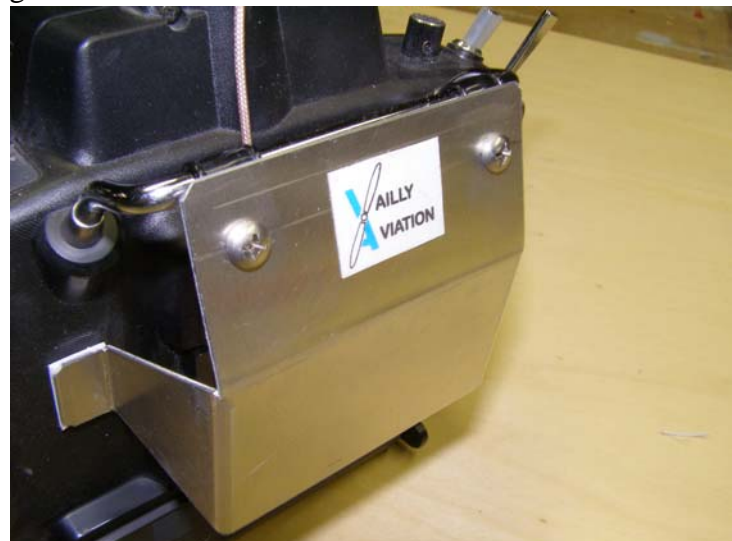
The switch over from the original module to the new one on the transmitter was easy enough, just like all the magazines said, and was pretty straight forward and painless. But one thing I noticed now was that even with the new guard in place on the Rf connector on the module this area was still quite venerable. If you were to lay the transmitter down on its back like you would at the field while starting your engine, you'd be putting this connector in peril. It would end up in the dirt. At best all survives. At worst there would be some stress on this connector and the risk of breaking it off the module or damaging some internal stuff is pretty high.



So to protect this area I have devised the bracket shown here. It is a simple sheet metal affair made from .020 thick aluminum. As you can see the top of it mounts to the "grab" handle on the transmitter via two nylon cable clamps and screws. The bottom portion has two bent legs and ears that are attached to the transmitter case via some double sided servo tape.



Now when the transmitter is placed on the ground the connector



is protected.



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