

INSTALLATION ISSUES

As this article's main text notes, owners and avionics shops may, from time to time, run into installation issues when adding a traffic alerting system to an in-service airframe. That's because antenna placement can be critical to the system's performance and the basic frequency—1090 MHz—has a lot going on, including transponders and DME.

At right, the Avidyne TAS600 traffic advisory system is depicted in both a "glamour" shot (top) and as installed in the aft fuselage of a Piper Seneca. Note the two different antennas, one for the top of the fuselage and one for the bottom, plus the sizeable number of possible connections spread among three multi-pin connectors. In the photograph at bottom, note the unit's mounting scheme, along with the multiple cables, including the antenna connections, one trailing above the unit and another below.

