

**** IMPORTANT ****

INSTALLERS

TO MINIMIZE ELECTRICAL INTERFERENCE TO OR FROM THE DATALINK SYSTEM SPECIAL ATTENTION SHOULD BE PAID TO CABLE ROUTING ON THE AIRCRAFT. THE FOLLOWING TIPS WILL ASSIST IN ACHIEVING A SUCCESSFUL INSTALLATION.

- AVOID RUNNING THE DATALINK ANTENNA CABLE NEAR UNSHIELDED WIRE BUNDLES.
- AVOID RUNNING THE DATALINK ANTENNA CABLE NEAR VHF COM/NAV RADIO ANTENNA CABLES.
- APPLY ADDITIONAL CABLE SHIELDING IF INTERFERENCE IS OBSERVED ASSOCIATED WITH DATALINK OPERATION.

To search for possible electrostatic interference sources, tune the COM radio to 136MHz and adjust so that the squelch is broken and noise is heard on the headset. Starting with all other equipment turned off (including the EX500) turn on equipment one system at a time and listen for a increase in noise from the radio. If the noise level is heard to increase, the offending system should be checked as follows:

- Verify harness integrity (connector wire/shield terminations)
- Verify proper grounding of equipment and trays to aircraft ground per manufactures wiring instructions.

Equipment/wiring replacement may be necessary. Additional harness shielding can minimize noise impact between avionics systems.

Potential electronic noise sources include:

- Fuel Pumps
- Ignition System (magnetos, etc.)
- Radios