

May 20, 1996

TO ALL EXEC, EXEC 90 and EXEC 162F OWNERS

ADVISORY BULLETIN A-29

History: Exec 90 and Exec 162F builders often choose to install radios, strobe lights, and other electronic equipment on their helicopters. This equipment can affect the helicopter's electrical system and instrumentation if not correctly installed.

Action: The following are some suggestions to help prevent interference problems when installing electrical accessories.

1. Exec 162F owners have been advised (Bulletin M-13) to return their ECU wiring harness to the factory so that shielding could be added. This has been found to minimize the possibility of electrical interference problems that could affect the FADEC system.
2. When installing a radio, any wiring in close proximity of the aircraft's wiring harness should be shielded type wiring, and the shielding should be grounded. The radio racks that connect to the instrument panel should also be grounded. The radio antenna cable should be routed so that it is isolated away from the aircraft harness.
3. If strobe lights are installed, shielded cable should be used from the power supply to the light. The power supply should be grounded and located away from other electrical components and instruments. The light itself should be of the shielded lens type.