

December 21, 1995

TO ALL EXEC, EXEC 90 and EXEC 162F OWNERS

ADVISORY BULLETIN A-25

The following information applies only to aramid fiber tail rotor belts, which have been supplied by RotorWay International since 1/25/94.

History: RotorWay International has observed that the aramid fiber tail rotor belts become tighter as the temperature increases, and loosen as the temperature decreases.

Action: The standard tail rotor belt tension is 1 3/8" ± 1/8" deflection at 10 pounds of pull while the belts are at operating temperature. If the belts are adjusted in cold weather, they may become too tight as the helicopter is flown and warms up. On the other hand, if the belts are checked and adjusted warm indoors, and the helicopter is then taken outside and flown in cold weather, the belts may be too loose.

We recommend that the following procedures be observed during colder weather:

1. The belts should be checked and adjusted in an environment that is approximately the same temperature that the helicopter will be operated in.
2. If the belts are tensioned cold, adjust them to the loose end of the range, so that as they warm up, they will be within limits.
3. Allow the aircraft to run long enough for the coolant and oil temperatures to stabilize, then shut down and immediately check the belt tension again. Adjust as necessary.
4. Remember that if the 170° temperature dot darkens, it indicates that the belts are running hotter than normal. If the 180° (or higher) dot darkens, the belts have been damaged from heat and MUST be replaced.