

January 2, 1997

TO ALL EXEC 90 AND EXEC 162F OWNERS

MANDATORY COMPLIANCE BULLETIN M-14

THIS BULLETIN IS MANDATORY AND MUST BE COMPLIED WITH

History: In a few instances the cam gear in the engine has had teeth break off, causing engine failure. This gear, made of aluminum, has failed for various reasons: improper valve adjustments, sticky valves or excessive backlash between the cam gear and crankshaft gear.

Action: Cam gear replacement time is to be reduced from 500 hours to 250 hours. In all engines that have had these problems, the cam gear was close to the 500 hour replacement time. Changing to a 250 hour replacement time will allow for an additional safety factor. Please make a note in your Engine Manual to show this reduced replacement time.

The cam gear can be replaced without removal of the engine from the aircraft and requires minimal time for replacement. Complete instructions are available and will be provided when it is time to replace the gear.

RotorWay International is addressing a way to improve this situation and will be working towards once again increasing the recommended replacement time of the gear.