

SERVICE LETTER

HC-SL-61-61Y

Propeller - Overhaul Periods and Service Life Limits for Hartzell Propellers, Governors, and Propeller Damper Assemblies

D. Governors

- (1) Hartzell propeller governors are to be overhauled at the same time as engine overhaul, but not to exceed 2400 hours of operation (there is no calendar limit applicable to governors).

E. Damper Assemblies

- (1) All Hartzell propeller damper assemblies are to be overhauled at 2400 hours of operation or 72 calendar months, whichever occurs first.

NOTE: A propeller damper assembly is installed on the hub behind the bulkhead on various installations using Lycoming 360 series engines.

F. Notes

NOTE 1: Propellers or aluminum hubs manufactured or overhauled since October 1991 are required to have the hub internal surface painted for additional corrosion protection.

NOTE 2: Agricultural aircraft are defined as aircraft used as aerial applicators as defined in 14 CFR 137.3, as specified in FAA order 8700.1, including forest fire-fighting activities (Refer to Note 9). These operations may expose the propeller to a relatively severe chemical/corrosive environment. Once installed on an agricultural aircraft, the 36 month overhaul limit is to be maintained until overhaul is performed, even if the propeller is later installed on a non-agricultural aircraft.

NOTE 3: Acrobatic (aerobatic) aircraft are defined as certificated acrobatic category aircraft or other aircraft routinely exposed to maneuvers beyond those specified for utility category aircraft as defined in 14 CFR 23.3. Once a propeller is used on an aerobatic aircraft, the specified overhaul times for an aerobatic propeller are to be maintained until overhaul is performed, even if the propeller is later installed on a non-aerobatic aircraft.

NOTE 4: Two blade, aluminum hub propellers or two blade aluminum hubs on reciprocating engines manufactured after April 1997 use an improved hub "fillet radius" and will be identified with a suffix letter "B" in the serial number. Refer to Figure 4.

NOTE 5: Three blade, aluminum hub propellers or three blade aluminum hubs manufactured after 1983 use different grease fitting location. Refer to Figure 5.