

59-09-03

Applies to All Propeller-Engine Combinations Consisting of HC-82-XG Series Propellers Installed on Lycoming 0-320 Series Engines and On Some 0-340 Series Engines (as noted below).

Compliance required as indicated.

There are six 3/8-inch diameter bolts used to hold the HC-82XG Series propellers on the 0-320 and some 0-340 engines (if a Hartzell HC-82XL Series propeller is installed on a Lycoming 0-340 Series engine, the bolts are already 7/16-inch in diameter). A number of these bolts have broken and, in several cases, the failures progressed, allowing the propeller to separate from the engine. In order to minimize the possibility of this type of failure, inspect and take action as follows:

(1) If the mounting bolts have not been checked for the proper torque within the last 100 hours, check these bolts for the proper 30 foot-pounds torque before completing the next 25 hours' operating time and at or before completing each 100-hour operating period there after until item (2) is complied with.

(2) At next engine or propeller overhaul but not later than January 1, 1961, change mounting bolts from 3/8-inch to 7/16-inch. Use bolts specified in Hartzell Bulletin No. 68. Change marking on propeller from HC-82XG-() to HC-82XL-(). Change markings on 0-320 Series engines as instructed in Lycoming Service Bulletin No. 253A.

The model designation of Lycoming 0-340 Series engines will not change since, when this AD is complied with, all 0-340 engines will incorporate 7/16-inch bolts.

(Hartzell Bulletins Nos. 41 and 68 and Lycoming Service Bulletin No. 253A cover this same subject.)