

Raytheon Aircraft Company

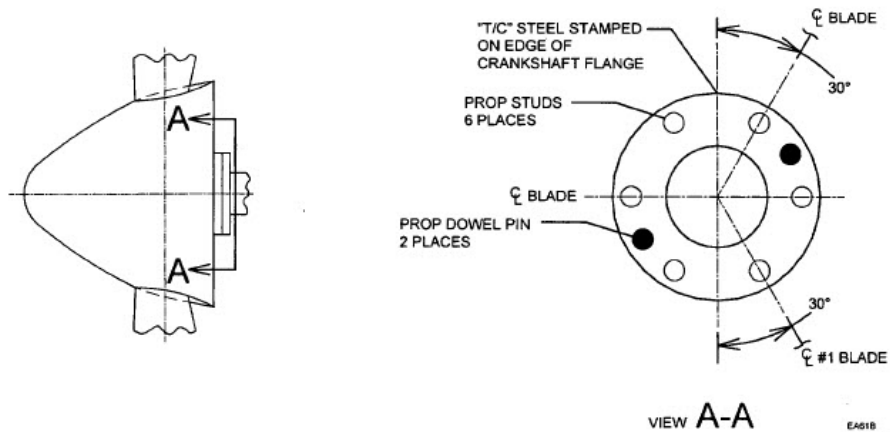
BONANZA SERIES MAINTENANCE MANUAL

PROPELLER INSTALLATION

- a. Lubricate the O-ring that is installed in the circular groove of the propeller hub with engine oil (2, Chart 1, 91-00-00) before installing the propeller.
- b. Two blade propeller: Place the No. 1 propeller blade directly over the T/C mark on the crankshaft flange.
Three blade propeller: (F33A, A36 and Optional for B36TC). Install propeller on engine flange. Refer to Figure 1 for indexing of propeller to engine crankshaft flange.

NOTE: Due to the close tolerance fit of the prop hub bore to the pilot on the crankshaft, the hub must be placed square on the engine shaft and seated evenly to the crankshaft flange.

- c. On McCauley propellers liberally apply grease, A-1637-16 (PN of McCauley), or grease (70, Chart 1, 91-00-00) only to threads of studs and face of nuts.
- d. Snug the six propeller attach nuts down evenly in a diagonal pattern. Torque the attach nuts in a diagonal pattern to 45-50 foot-pounds for McCauley propellers, and 70 to 80 foot-pounds on Hartzell propellers.
- e. On McCauley propellers wipe off excessive grease after torquing.
- f. It may be necessary to check the alignment of the deicer brushes to the slip ring as noted in Chapter 30-60-00.
- g. Check the prop blade track after installation.



Indexing Propeller
Figure 1