

Belleville Washer Installation
For 1/2 prop bolts on a 7" dia. hub

Chase thread in both the drive lugs and prop bolts so they can be easily turned by hand

Lubricate the drive lug threads with engine oil

Install prop so the prop is vertical when any piston is at TDC

On each prop bolt stack 2 belleville washers (Solon Mfg P/N 828131) in series (outside diameters touching) and one AN960 steel washer. The steel washer will be bearing against the crush plate and the outer most Belleville washer will contact the bolt head.

Torque each bolt in sequence to 15 ft #s. This will seat the prop

Back off all prop bolts and tighten each bolt so the belleville washers can be just rotated by hand. This becomes the starting reference point.

Mark with a felt tip pen the 12 o'clock position of each bolt.

In 1/4 turn increments tighten each bolt in sequence until 1 3/8 turns are achieved for all 6 bolts

Lockwire the bolt head per Mil procedures.