

CIRCULATE TO:
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MECHANICS
"Place in a Service
Bulletin Binder"

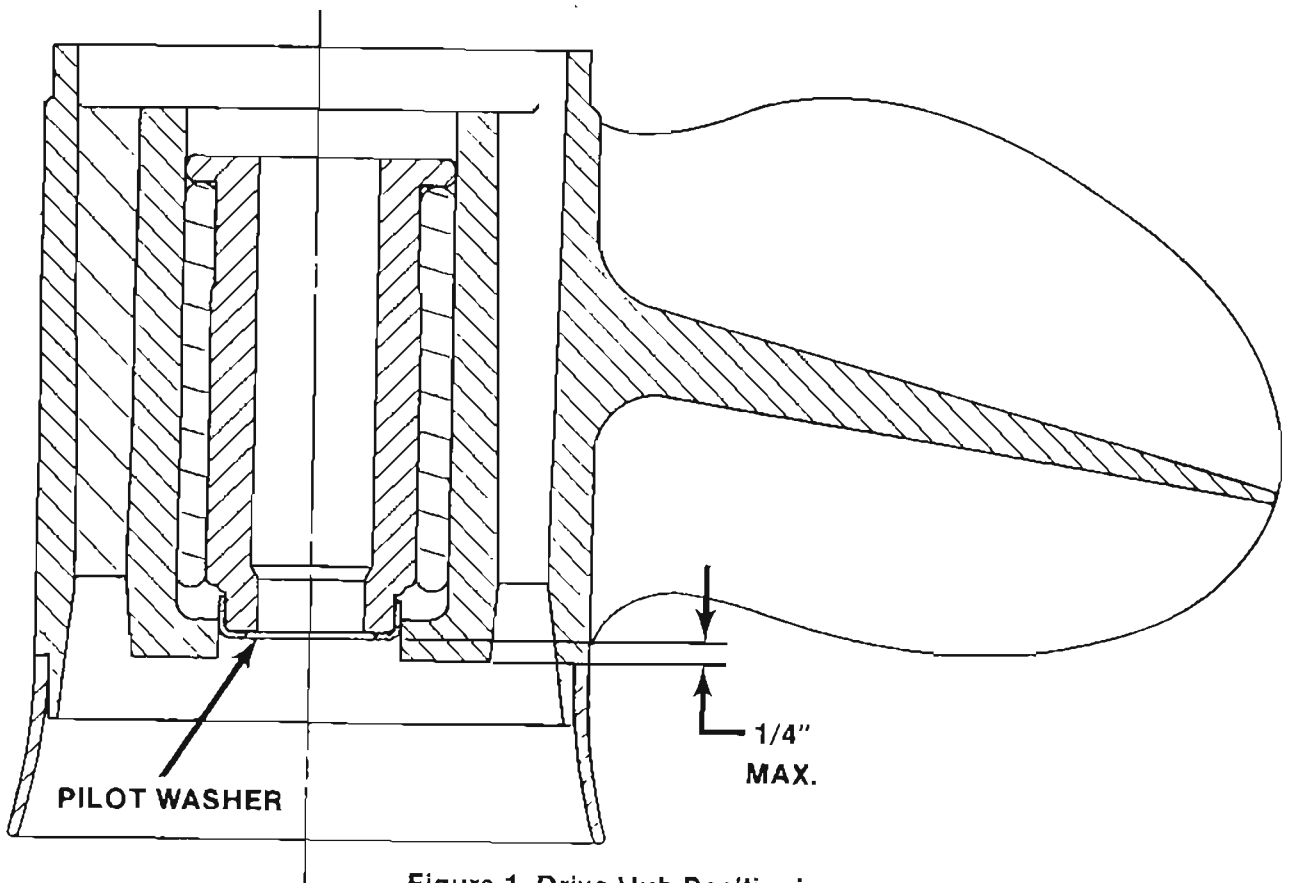
BLACK MAX PROPELLER INSTALLATION

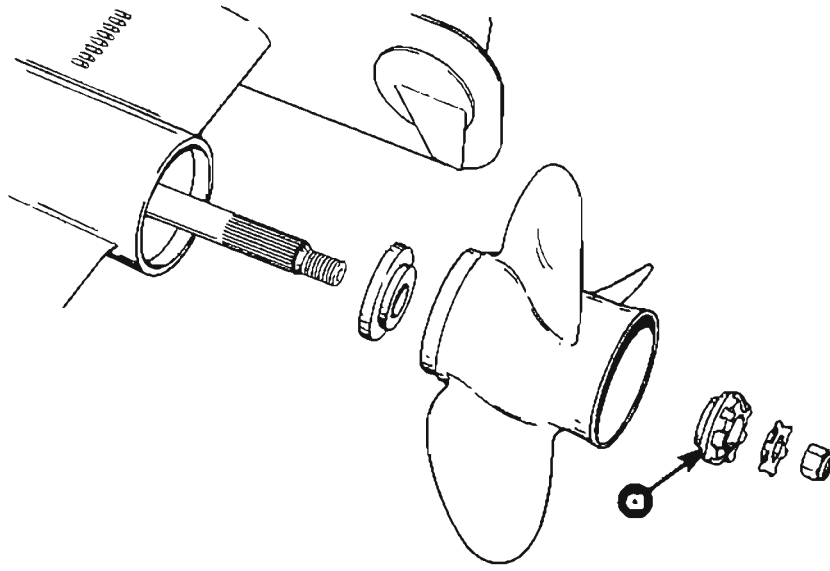
Occasionally we receive reports where the drive hub has backed out of the inner hub (in excess of the dimension shown in Figure 1), on Black Max aluminum and stainless steel propellers. This condition is observed after the propeller has been used for a period of time and then is removed from the propeller shaft. When this occurs the hub often cocks and it is no longer possible to reinstall the propeller, as the spline washer (Figure 2) will not align with the pilot hole in the propeller and/or engage with the spline on the propeller shaft.

Our engineering department has inspected many of these cases and has determined that the problem is not caused by the propeller, but rather, by improper propeller installation. When installing Black Max propellers it is important to observe the following:

- Spline on spline washer must be engaged with spline on propeller shaft.
- Propeller nut must be torqued to 55 lbs. ft. (75 N.m) minimum.

Propeller must be rehubbled if the drive hub has backed-out to the point where spline washer cannot be installed.





a - Splined Washer

Figure 2. Propeller Installation