

setting in excess of 2300 rpm and any attempt made to so adjust the propeller will result in a decreased clearance between the propeller hub and jack plate with subsequent possible overloading of the thrust bearings.

8. To preclude the possibility of anyone making a change in the propeller adjustment screw setting which is not in accordance with the preceding instructions; the adjustment screw must be safetied and sealed at this time with a wire lead seal; insert end of wire through hole in screw then around screw support, through lead end and squeeze seal.

SECTION III. REWORK OF PROPELLER COUNTERWEIGHTS ORIGINALLY MODIFIED
ACCORDING TO SERVICE LETTER NO. 52 DATED SEPT. 27, 1948

Propeller counterweights previously modified, according to Navion Service Letter No. 52, should at this time be steel stamped with a numeral "6" for future identification purposes. Stamp on forward face near root of counterweight.

Propellers having sluggish action and/or abnormal rpm pull-down, due to the counterweights having been shortened to 4-1/8 inch as per original Service Letter No. 52 dated Sept. 27, 1948, may have this condition improved by increasing the lengths of the counterweights according to the following procedure.

1. Cut a slug of steel stock to fit the end of the counterweights. Enough stock should be cut to increase the length of each counterweight to 4-1/4 inches. Care should be taken that the cross sectional form of the plates is the same as that of the counterweights. The plates should be cut in pairs from the same piece of plate stock.

NOTE: Hartzell Propeller Company has already mailed a small supply of 1/16 inch plates and screws to each Distributor. More may be had by writing to Hartzell Propeller Company, Piqua, Ohio.

2. Drill two(2) 3/16 inch holes in each plate; locating the holes according to the dimensions in the sketch.
3. Place the drilled plates over the ends of the counterweights and locate the drill points in the counterweights with a center punch.
4. Drill the counterweights (No. 21 drill) to a depth of 1/2 inch.
5. Tap the drill holes, in the counterweights, with a 1032 tap; use EXTRA CAUTION to prevent the tap from breaking off in the counterweight.