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MANDATORY BY JUNE 1ST 1947

TO: All NAVion Owners

SUBJECT: HARTZELL PROPELLER PISTON GUIDE PIN SAFETYING.

The propeller piston guide pins require additional safetying in order to prevent loosening and subsequent loss of engine oil. This is accomplished by the installation of a steel dowel through the guide pin. Future production propellers will have a shorter guide pin retained with an expanding plug.

AIRPLANES AFFECTED:

NAV-4-2 through NAV-4-1010. This change will be accomplished at the factory on NAV-4-1011 and subsequent.

INSPECTION INSTRUCTIONS: (See figure 1.)

1. Inspect the rear circumference of the control cylinder directly above the left hand guide pin for presence of a 3/32 inch staking pin.

NOTE: Pin can be seen by raising left hand engine cowl.

2. Inspect the rear face of the control cylinder for a letter H stamped near each guide pin head, which signifies an expanding plug is installed.

NOTE: The following instructions need not be accomplished if either of the above items are present.

INSTALLATION INSTRUCTIONS:

1. Remove propeller and engine nose cowl.
2. Disconnect lines to servo valve and remove propeller piston and cylinder assembly from engine.
3. Lay out and drill the cylinder as shown in Figure 1.

NOTE: Caution should be used in drilling the cylinder so that the guide pin will be drilled on its diameter. Protect inside and front of cylinder and piston assembly from drill cuttings by covering with clean rags. Piston and cylinders are matched assemblies.