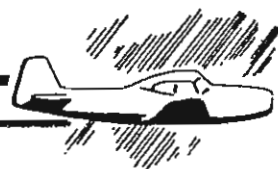


FIELD SERVICE BULLETIN

Navion



NORTH AMERICAN AVIATION, INC • MUNICIPAL AIRPORT • LOS ANGELES 45, CALIF.

NO. 30
MAY 5, 1947

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 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 taking 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.

4. Insert steel staking pins, so that the head of the pins lie 1/16 inch below surface of cylinder.
5. Punch stake edge of hole.
6. Re-install cylinder unit, propeller and nose cowl on airplane.
7. Notice of compliance with this bulletin must be entered in the airplane log book.

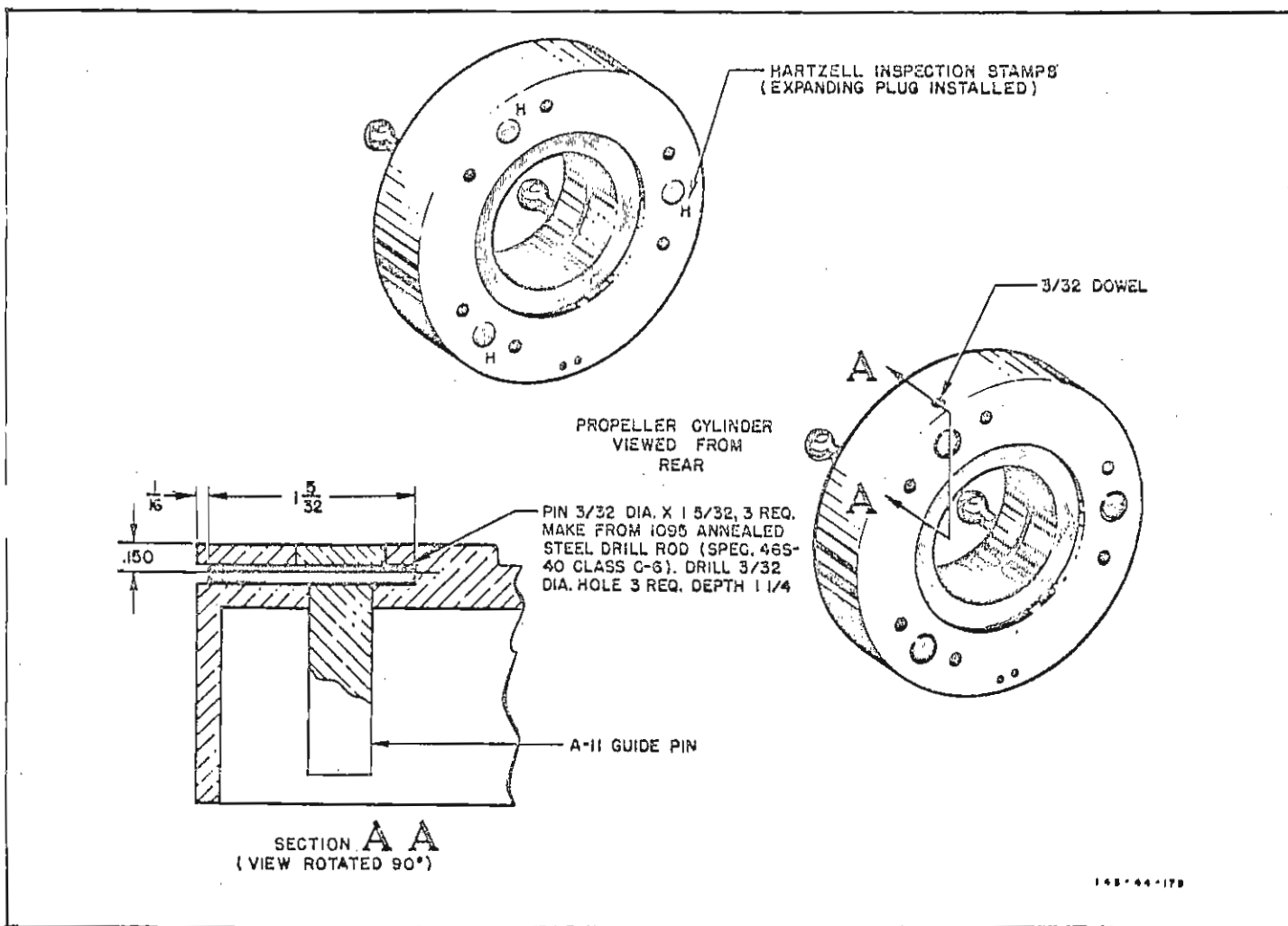


Figure 1. Propeller Piston Guide Pin Staking

Warranty Adjustment will be based on a Standard Time Allowance of 2.8 hours. If you have sold your Navion, please return this kit to the factory with the name and address of the new owner.

JOHN W. CASEY
FIELD SERVICE MANAGER.