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Page 1 of 3

PROPELLER CONTROL REPLACEMENT

This change involves the replacement of the present propeller control with a control that incorporates a positive friction lock.

Airplanes Affected:

NC 91108 to NC 91118, inclusive
NC 91120 to NC 91124, inclusive

Kit Drawing 145-89011 lists the parts required to accomplish the following replacement:

1. Disconnect swivel fitting at propeller control valve. Remove the two AN742-3 clamps, NAS 221-8 screws, and AN365-1032 nuts securing control housing to engine crankcase. Remove the AN520-10R16 screw, AN742-3 clamp, and 4S3-D10-6 spacer attaching control housing to existing hydraulic line clamps, located approximately 6 inches aft of firewall. Remove locknut on propeller control housing forward of instrument panel, and remove control assembly from airplane.

NOTE: Removed spacer, screws, nuts, and clamps will be re-used.

2. Enlarge existing holes for propeller control in firewall and instrument panel to 1/2 inch. To keep paint on instrument panel from chipping, scribe a 9/16-inch diameter circle around existing hole before drilling.
3. Install AN931-4-7 grommet in enlarged hole in firewall.
4. Remove locknut and lock washer on aft end of new 145-43020 propeller control.
5. Install aft end of control in instrument panel, and secure with previously removed lock washer and nut. Install 145-43024 control knob on shaft.
6. Insert new propeller control through enlarged hole in firewall.
7. Attach control housing to existing hydraulic line clamps (6 inches aft of firewall) with new AN742-4 clamp and previously removed screw, spacer, and nut.