

# ALERT SERVICE BULLETIN

FROM PRODUCT SUPPORT DEPARTMENT GOVERNMENT AIRCRAFT FACTORIES.

ALERT SERVICE BULLETIN N22-61-2

1. SUBJECT PROPELLER, LOCKING OF NUTS AT REAR END OF BETA CONTROL ROD AND FRONT OF FEEDBACK ROD.
2. EFFECTIVE ALL NOMAD N22 AND N22B AIRCRAFT.
3. COMPLIANCE IMMEDIATE AND PRIOR TO NEXT FLIGHT.
4. FOLLOWING INCIDENT WHEREBY ROD END CAP BECAME DETACHED FROM BETA CONTROL ROD THE FOLLOWING CHECKS ARE TO BE MADE TO EACH PROPELLER.
5. REFER MAINTENANCE MANUAL CHAP. 61-20-00 FIG. 201 PAGE 202.
6. BETA CONTROL ROD REAR END - PROCEED AS FOLLOWS:-
  - A. REMOVE ROD END CAP, ROD END FITTING, BUSH AND LOCKNUT.
  - B. CLEAN THREAD ON ROD END, AND IN END CAP AND LOCKNUT WITH LOCQUIC N PRIMER.
  - C. ASSEMBLE LOCKNUT, BUSH, ROD END FITTING, O-RING AND END CAP ONTO ROD END APPLYING LOCTITE NUTLOCK OR EQUIVALENT BETWEEN END CAP AND LOCKNUT AND ROD END.
  - D. SCREW END CAP FULLY ON TO ROD END FINGER TIGHT ONLY.
  - E. TIGHTEN LOCKNUT TO 80 TO 100 INCH POUND TORQUE WITH BUSH CLAMPED BETWEEN LOCKNUT AND END CAP.
  - F. MARK LOCKNUT WITH DISTINCTIVE PAINT TO INDICATE COMPLIANCE WITH REQUIREMENT.
  - G. ALLOW ONE HOUR FOR LOCTITE TO CURE BEFORE LUBRICATING END FITTING AND BUSHING WITH ENGINE OIL.
7. FEEDBACK ROD FORWARD END.
  - A. RECORD DISTANCE BETWEEN SLEEVE AND SERVO PISTON NUT.
  - B. REPLACE FORWARD NUT AT FRONT OF FEEDBACK ROD WITH A SELF-LOCKING NUT AN365-524.
  - C. CHECK DISTANCE RECORDED IN STEP 7A IS MAINTAINED AND TORQUE LOAD THE TWO NUTS TO EACH OTHER BETWEEN 60 AND 85 INCH POUNDS. RECHECK MEASUREMENT.
8. CARRY OUT OPERATIONAL TEST AS PER MAINTENANCE MANUAL CHAP 61-20-00 PAGE 204 PARA 2B.

25th March, 1977.

S/B N22-61-2