

# ALERT SERVICE BULLETIN

FROM GOVERNMENT AIRCRAFT FACTORIES

NOMAD ALERT SERVICE BULLETIN ANMD-55-6

1. SUBJECT - RUDDER TAB MASS BALANCE HINGE PIN.
2. APPLICABILITY - NOMAD N22, N22B, N24 AND N24A AIRCRAFT WITH MOD N39 FITTED AND DELIVERED BEFORE 1ST MARCH 1979.
3. COMPLIANCE - PART A WITHIN 50 HOURS TIME IN SERVICE AFTER RECEIPT OF THIS ALERT SERVICE BULLETIN THEREAFTER AT INTERVALS NOT EXCEEDING 100 HOURS TIME IN SERVICE UNTIL PART B OF THIS BULLETIN (MODIFIED HINGE PIN) HAS BEEN EMBODIED.
4. REASON - MOD N39 (INTRODUCTION OF TRIM TAB MASS BALANCE) INCLUDES A MASS BALANCE HINGE REF. FIG. 1. THE HINGE IS FORMED BY A PIN, (1/N-33-179) SCREWED IN A TAPPED BLOCK ON THE RUDDER AND LOCATED IN A BUSH IN THE MASS BALANCE. AS THE TAB MOVES, THE MASS BALANCE ROTATES ABOUT THE PLAIN SHANK OF THE PIN. AN INSTANCE HAS OCCURRED WHERE THE PIN SEIZED IN ITS BUSH DUE TO CORROSION. SUBSEQUENT TAB MOVEMENT SHEARED THE SPLIT PIN SECURING THE HINGE PIN SCREWED INTO THE BLOCK.
5. ACCOMPLISHMENT -
  - PART A
  1. REMOVE SPLIT PIN AND UNSCREW HINGE PIN P/NO. 1/N-33-179.
  2. CLEAN PIN AND REMOVE ANY CORROSION.
  3. LUBRICATE PIN WITH MOLY GREASE AND REFIT.
  4. FIT NEW SPLIT PIN.
  5. PLEASE ADVISE G.A.F. PRODUCT SUPPORT OF FINDINGS.

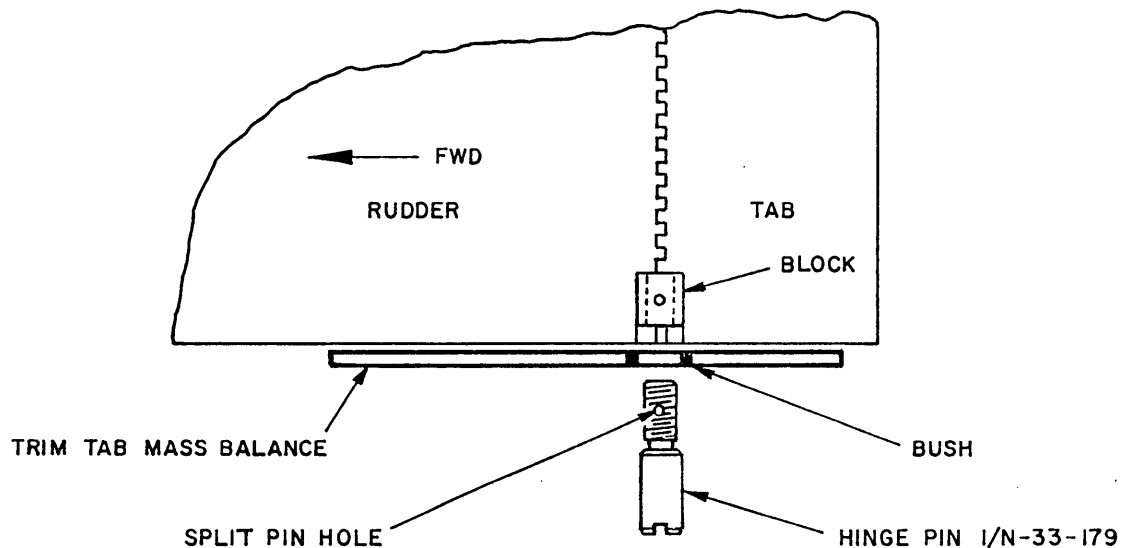


FIGURE 1

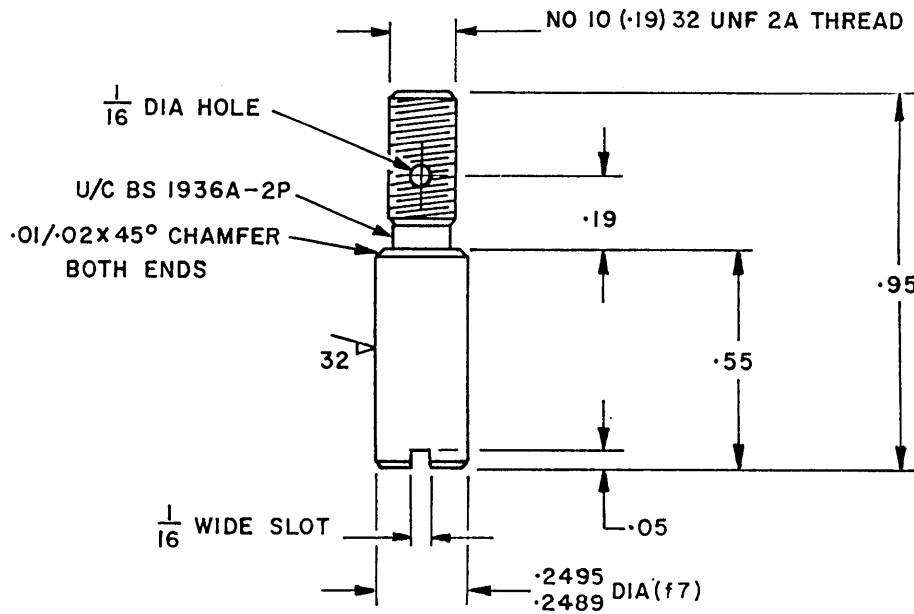
PART B

REPLACE HINGE PIN P/N 1/N-33-179 WITH NEW PIN P/N 2/N-33-179 (REF FIG. 2)  
MANUFACTURED FROM STAINLESS STEEL.

MATERIAL - PRICE AND AVAILABILITY.

THE PART REQUIRED MAY BE PROCURED THROUGH THE OPERATORS LOCAL DISTRIBUTOR.  
THIS PART IS CLASSIFIED "NO CHARGE" AND A "NO CHARGE" PURCHASE ORDER MUST  
BE PLACED ON THE DISTRIBUTOR WITHIN 90 DAYS TO RECEIVE THIS OFFER.

DISTRIBUTORS ARE TO PLACE A "NO CHARGE" PURCHASE ORDER ON G.A.F. THROUGH  
THE NORMAL PROCUREMENT METHOD. PURCHASE ORDERS ARE TO QUOTE THIS ALERT  
SERVICE BULLETIN NUMBER.



MATERIAL: STAINLESS STEEL  
QQ. S.763 TYPE 3 OR 4 COND 'B',  
OR MANUFACTURED FROM AN4C BOLT,  
MIN. SHANK LENGTH 1 INCH

DIMENSIONS IN INCHES

FIGURE 2 SPECIFICATIONS OF MODIFIED HINGE PIN

APPROVED BY:

GOVERNMENT AIRCRAFT FACTORY  
POST DESIGN SECTION.

2nd March, 1979

Alert S/B ANMD-55-6