

Nomad

SERVICE BULLETIN

DOORS – FORWARD BAGGAGE COMPARTMENT DOORS – MODIFIED LATCH ASSEMBLIES (MOD N731)

1. PLANING INFORMATION

A. Effectivity

- (1) All N24 series aircraft
- (2) Spares Affected
- None

B. Reason

An incident has occurred where a forward baggage compartment door latch came open in flight with potentially hazardous consequences.

C. Description

The cam lock is replaced by a leaf spring in the latch assembly and the geometry of the operating lever is changed to give a more positive locking action.

D. Compliance

- (1) The compliance requirements of this Service Bulletin is stongly recommended.
- (2) The requirements of this Service Bulletin are to be carried out within 100 hours TIS or one month, whichever occurs sooner, after receipt of this Service Bulletin.

E. Approval

The requirement detailed herein has been approved by a person authorised under Civil Aviation Regulation 35 and conforms to the type certification requirements.

F. Manpower

Approximately 4.0 manhours:–

G. Material - Price and availability

Contact ASTA Defence Logistics for price and availability

H. Tooling

None required

I. Weight and Balance

None

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J. References

Illustrated Parts Catalogue Chap 52-30-00

K. Publications Affected

Illustrated Parts Catalogue

2. ACCOMPLISHMENT INSTRUCTIONS

- A. Remove the eight screws, washers and nuts securing each latch assembly to the forward baggage compartment door and remove the latch assemblies (Ref Fig 1). Retain the mounting material.
- B. Remove the split pins and washers from the four straight pins and carefully dismantle the latch assembly (Ref Fig 2). Discard the split pins.
- C. Rework the bolt PN 101/N-10-1080 as shown in Figure 3. Re-number bolt to PN 102/N-10-1080.
- D. Remove and discard the lever PN 101/N-10-1072 from the handle assembly PN 102/N-10-1073. Grind the lugs off the handle to a smooth and flat surface. File a slot in the end of the handle and countersink redundant hole as detailed in Figure 4. Fill redundant hole with a rivet PN MS20426-4-8. Treat bare metal with Alodine 1200S and prime with Epoxy Primer.
- E. Position the bracket PN 1/N-10-1569 on the handle as shown in Figure 5, and using the bracket as a template, drill four No. 40 holes in the handle. Countersink holes, wet assemble bracket to the handle with pigmented jointing compound and rivet in position with the four rivets PN 20427AD3-4.
- F. Position a spacer PN 1A/N-10-1566 either side of the lever PN 1/N-10-1568 and rivet to the bracket with a rivet PN MS20427-4C16 (Ref Fig 5).
- G. Paint end of the handle with the bright red enamel (Ref Fig 4).
- H. On the catch housing PN 102/N-10-1079 (Ref Fig 6) drill out the four rivets securing the channel assembly PN 101/N-10-1087 to the catch housing. Discard the channel assembly. Position the leaf spring on the end of the catch housing and mark the position for the two rivets. Drill two holes and rivet leaf spring in position with the two rivets PN CR3223-4-1.
- J. Temporarily assemble the latch assembly (Ref Fig 2 & 6). Check free play on the handle (Ref Fig 6). File a slot in the lever to achieve the required free play.
- K. Disassemble the latch assembly. Araldite two washers PN AN960-4 either side of the lever assembly (Ref Fig 6, Section B-B) and lightly grease all moving parts with Molybond grease.
- L. Assemble the latch assembly as shown in figure 2 using the new split pins PN MS24665-132.
- M. Re-assemble the latch assemblies to forward baggage compartment door using the existing screws, washers and the new self locking nuts PN MS21042-3. Check the operation of the latch assemblies, as it may be necessary to trim the cut out in vicinity of the leaf spring to allow the correct operation (Ref Fig 1).
- N. Place labels on door latches, PN 1A/N-10-1572 and 1B/N-10-1572 as shown in figure 1.

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(3) MATERIALS INFORMATION

Parts required per aircraft

New Part No	Qty	Description	Old Part No	Instructions
Contents of Service Bulletin Kit ANMD-52-10-1				
1A/N-10-1566	4	Spacer		
1A/N-10-1572	1	Label		
1B/N-10-1572	1	Label		
1/N-03-999	2	Handle	102/N-10-1070	Rework
1/N-10-1567	2	Handle (Alt)		
1/N-10-1568	2	Lever	101/N-10-1072	Scrap
1/N-10-1569	2	Bracket		
1/N-10-1570	2	Angle		
Rework PN?	2	Bolt	101/N-10-1080	Rework
102/N-10-1080	2	Bolt (Alt)		
MS20427-4C16	2	Rivet		
MS20427AD3-4	8	Rivet		
MS20426-4-8	2	Rivet		
MS20426-3-3	1	Rivet		
CR3223-4-1	4	Rivet		
AN960-4	8	Washer		
MS21042-3	16	Nut, Self Locking		
MS24665-132	8	Pin, Split		
Parts Removed				
101/N-10-1087	2	Channel Assembly		

(4) SPECIAL TOOLS AND EQUIPMENT

None

(5) RECORDING ACTION

Record compliance with Service Bulletin NMD-52-10 in the Airframe Log Book.