

Nomad

SERVICE BULLETIN

WINGS - WING TANK BAY DOORS - INSPECTION FOR THREADBOUND ATTACHMENT SCREWS

1. PLANNING INFORMATION

A. Effectivity

- (1) Aircraft affected
All N22 and N24 Series aircraft.
- (2) Spares affected
None.

B. Reason

Due to an accumulation of tolerances in the manufacture of the wing tank bay doors, doors supporting structure, door seals and the doors attaching screws grip length and/or threaded section, it is possible for some of the doors attaching screws to become threadbound before effectively securing the door to its supporting structure.

Reason for Revision 1

The option of fitting countersunk/cup washers under the head of the original screws is no longer recommended. The revised method is to use replacement screws. Effectivity revised to include all aircraft.

C. Description

Tank bay door screws are to be checked to ensure they are not threadbound. Where necessary, corrective action is taken by using a shorter screw with less grip length but a longer threaded section.

D. Compliance

At the next 100 hour inspection after receipt of this 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

One manhour.

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G. Materials, Price and Availability

The parts required per Para 3 are to be procured from the operator's stock or from local sources.

H. Tooling, Price and Availability

Nil

I. Weight and Balance

Negligible effect on aircraft balance.

J. References

Illustrated Parts Catalogue 57-30-02 Fig 1.

K. Publications Affected

Illustrated Parts Catalogue.

2. ACCOMPLISHMENT INSTRUCTIONS



THE FUEL TANK BAY DOORS FORM PART OF THE STRESSED WING AREA. BEFORE REMOVING A TANK BAY DOOR, THE WING AND ENGINE MUST BE ADEQUATELY SUPPORTED (REF MM 28-10-00).

- (1) Check that each tank bay door attachment screw PN NAS333CPA5 (Ref IPC 57-30-02 Figure 1, Item 5) is not threadbound.
- (2) If any screw is found to be threadbound, remove the screw and fit screw PN NAS333CPA4-5 (shorter screw with less grip length and thread length increased by 0.062 in).

NOTE

It is advisable to replace all screws on a door if any one is found to be threadbound.

3. MATERIALS INFORMATION

- A. The following screws are to be obtained from the operators stock or local sources on an as required basis. Quantities quoted are total number per wing.

New Part No	Qty	Description	Old Part No	Instruction/Disposition
NAS333CPA4-5	172	Screw	NAS333CPA5	Replace

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- B. The following parts are used to complete the attachment system of the tank bay doors and may be required if the existing anchor nuts are found to be unserviceable. Quantities quoted are total number per wing.

New Part No	Qty	Description	Old Part No	Instruction/Disposition
2LHA401K4-02	164	Domed floating anchor nut (10-32 UNF)		Replace
4660-02 (SPS)	8	Domed floating anchor nut (10-32 UNF)		Replace
NAS463XDD10M 1K/N-20-651	180	*Anchor nut spacer		Replace Alternative
CCR264-SS3-3	344	Cherry rivet		Replace

* Two anchor nut spacers are fitted under each anchor nut PN 4660-02 (SPS) located over the 8 tank vent tubes, and one spacer under the other 164 anchor nuts PN 12LHA401K4-02.

C. **RECORDING ACTION**

Record compliance with Service Bulletin NMD-57-4 Rev 1 in the airframe log book.