

Nomad

SERVICE BULLETIN

CONTROL SYSTEM – IMPROVED PULLEY MOUNTING AT STATION 67.95 (MOD N137)

1. PLANNING INFORMATION

A. Effectivity

(1) Aircraft Affected

All Nomad N22-Series and N24-Series aircraft whose log books do not already record the embodiment of Mod N137 or compliance with Service Bulletin N22-27-7, Service Bulletin N22-27-7 Revision 1 or NMD-27-7 Revision 2 (See Note).

NOTE

The Service Bulletin number for the incorporation of Mod N137 has been changed from SB N22-27-7 at Revision 1 to SB NMD-27-7 at Revision 2 to conform with current numbering system.

Pre-certification implementation of the intent of this Service Bulletin is recorded in the airframe log book as Mod N137.

(2) Spares Affected

Nil

B. Reason

Following an incident on one Nomad aircraft. Refer Alert Service Bulletin N22-27-5 telex of 10th December, 1976 and Alert Service Bulletin N22-27-6 telex of 21st December, 1976.

C. Description

This Service Bulletin requires that the pulley mounting at Station 67.95 be strengthened by the addition of a channel and bearing block on the forward face of the bulkhead at Station 67.95, it also requires that paint lines indicating maximum tow bar deflection be added on external lower front fuselage skin.

D. Compliance

Compliance with this Service Bulletin is mandatory and is to be carried out within 300 hours Time in Service after the issue date of the revised bulletin but not later than 1st October 1986.

It is recommended that SB NMD-27-33 (Mod N630) be incorporated at the same time subject to availability of kits.

E. Approval

The rework detailed herein has been approved pursuant to Air Navigation Regulation 40 and conforms with the type certification requirements.

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F. **Manpower**

Approximately 7 manhours.

G. **Material – Price and Availability**

The parts required to incorporate the rework detailed in this Service Bulletin are available free of charge as Kit PN NMD-27-7-1 from the operator's local distributor. Distributors are to place a "No Charge" purchase order on GAF through normal procurement procedure. Purchase orders are to quote the Aircraft Serial No and Service Bulletin No NMD-27-7 Revision 2.

H. **Tooling–Price and Availability**

None

I. **Weight and Balance**

No Change

J. **References**

MM – Maintenance Manual Chapter 27

IPC – Illustrated Parts Catalogue

GAF Drawing N-45-1389

K. **Publications Affected**

Maintenance Manual

Illustrated Parts Catalogue

2. **ACCOMPLISHMENT INSTRUCTIONS**



WARNING

TO AVOID INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT, ENSURE ADEQUATE PRECAUTIONS ARE TAKEN WHILE PERFORMING ANY WORK IF ELECTRICAL POWER IS APPLIED TO THE AIRCRAFT.



CAUTION

ELECTRICALLY GROUND THE AIRCRAFT.

- A. Slacken rudder cable system as defined in Maintenance Manual Chap 27-20-02 Page 201.
- B. On forward right side of bulkhead at Station 67.95 (Ref Maintenance Manual Chap 27-20-01 Figure 201 and IPC Chap 27-20-02 Figure 5) remove and discard bolt and spacer supporting the pulley. Retain the pulley.

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- C. With reference to GAF Drawing N-45-1389 supplied with mod kit, loose assemble to channel (item 1), the block (item 2) and bolt (item 4), ensuring that the bolt screws fully home into the anchor nut.

NOTE

A preliminary check will indicate which rivets need to be removed to allow the channel to seat against the bulkhead.

- D. Drill channel attachment bolt holes in accordance with drawing notes and temporarily bolt channel in position on the bulkhead.
- E. Drill and ream 0.1907/0.1900 inch dia (H8) for bolts (item 5) through channel (item 1) and block (item 2).
- F. Remove temporary fitted bolts and refit pulley, existing spacer and pulley cable guard, then trim new spacer (item 3) to length so that clamping of the spacer occurs simultaneously with seating of the channel flanges against the bulkhead face as the bolt is tightened.
- G. When this condition has been obtained, assemble and finally secure the channel, with items 6, 8 and 9, and rivets (item 10).
- H. Refit and secure items 5, 8 and 9. Wirelock bolt (item 4) as shown on GAF Drawing N-45-1389.
- I. Check rig rudder control system (Ref MM Chap 27-20-00).
- J. Painting of Towing Indicator Marks
- Refer Paragraph 1 (d), Chap 9-00-00 Page 1 of Maintenance Manual which limits tow bar angle to 49 deg. either side of aircraft centre line. Paint two yellow stripes under nose of aircraft as defined in Fig 1 of this Service Bulletin.
- K. Modification Action
- This Service Bulletin incorporates the intent of Modification N137.

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3. MATERIAL INFORMATION

A. Parts Required per Aircraft

1 each Kit Part No. NMD-27-7-1 is required per aircraft.

New PN	Qty	Title	Old PN
N-45-1389	1	GAF Drawing	-
1/N-45-1390	1	Channel	-
1/N-45-1391	1	Block	-
1/N-45-1392	1	Spacer	-
AGS2050-419BS	8	Rivet	-
AN3-4A	4	Bolt	-
AN960PD10	7	Washer	-
AN960XC516L	1	Washer	-
MS21083N3	6	Nut	-
NAS1105-52	1	Bolt	AN5-23A
NAS1303-24	2	Bolt	-

B. Parts Required to Modify Spares

None

C. Removed Parts

Item PN	Qty	Title	Disposition
AN5-23A	1	Bolt	Scrap

4. SPECIAL TOOLS AND EQUIPMENT REQUIRED

None.

5. RECORDING ACTION

Record compliance with Service Bulletin NMD-27-7 Revision 2 in the aircraft log book.

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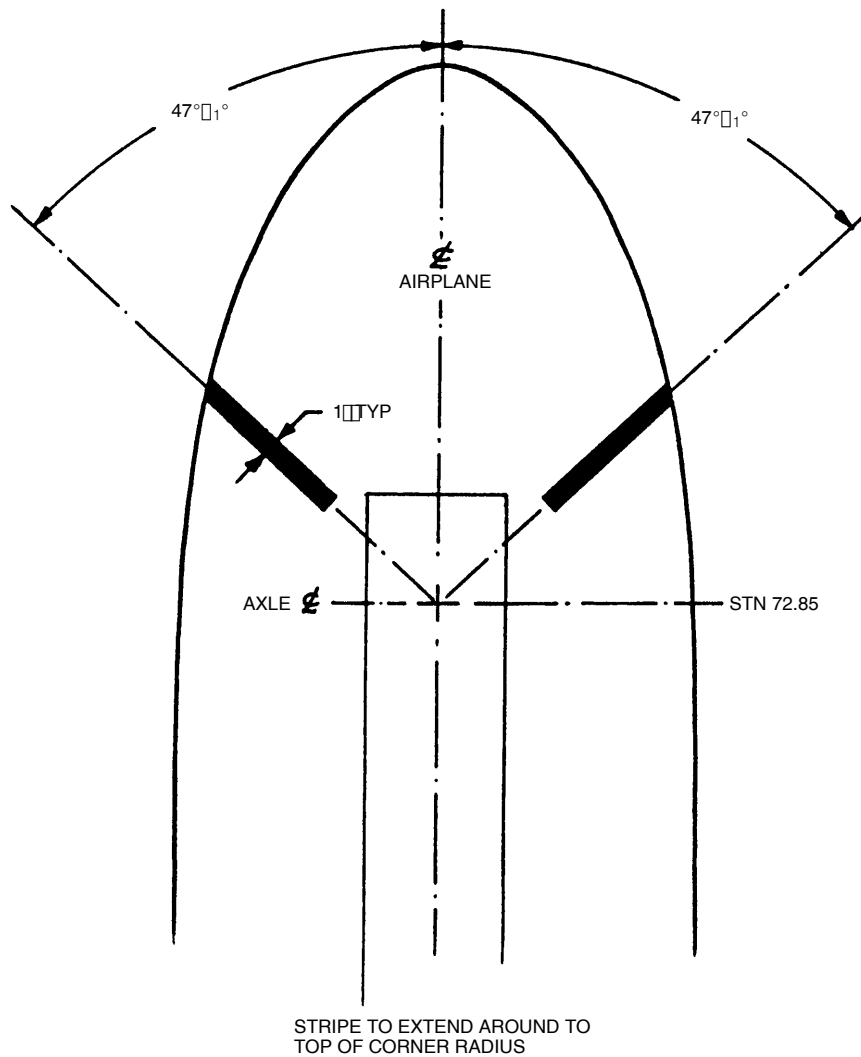


Figure 1