



SERVICE BULLETIN

SUBJECT Landing Gear. Retraction System. Replacement of Chains in System.
Modification N.7.

EFFECTIVITY Nomad N22 Aircraft

Serial Nos. N22-1 and N22-4 only.

Factory action covers all other aircraft.

REASON It is possible that chains fitted to early production aircraft may contain intermediate link joints which have been hand rivetted. A small number of chains have been supplied to us with this condition as a result of joining of short chain lengths. It is essential that all chain links should be machine rivetted, hence it is considered that the condition should be rectified. All chains are now inspected to ensure that machine rivetted joints are used throughout and an improved end link attachment is now in use.

DESCRIPTION This Service Bulletin requests the removal of chains in the Landing Gear retraction system and their replacement by new chains having machine rivetted joints throughout.

Replacement chains will be supplied f.o.c. by GAF, and the chains removed from aircraft are to be returned to GAF for examination.

COMPLIANCE Recommended before next 500 hours inspection.

MANPOWER Approximately 3 manhours are required to incorporate this modification.

KIT COSTS Replacement chains are supplied by GAF at nil cost.

WEIGHT AND BALANCE Not affected.

PUBLICATIONS AFFECTED Nil.

REFERENCES N22 Maintenance Manual Chapter 32 (existing data).

ACCOMPLISHMENT INSTRUCTIONS Refer to Maintenance Manual Chapter 32.

With the aircraft supported on jacks proceed as follows:

1. Ensure that electrical power, external and internal, is disconnected on aircraft and trip undercarriage actuator circuit breaker on cockpit roof.
2. Remove Long Horizontal Chain Drive as per Chapter 32-30-12 page 204 para. C of Maintenance Manual.
3. Fit Long Horizontal Chain Pt. No. 1/N-40-803 as per Chapter 32-30-12 page 205 para. D of Maintenance Manual.
4. Remove vertical chain drive refer para. E of Chapter 32-30-12 page 206 of Maintenance Manual and replace with Chain supplied Part No. 1/N-40-801 refer para. F.
5. Remove Nose Gear Screw Actuator Chain Drive refer para. G page 206 Chapter 32-30-12 of Maintenance Manual and replace with Chain supplied Part No. 1/N-40-800 refer para. H.

6. Remove Landing Gear Emergency Manual Extension System Chain and replace with Chain supplied Part No. 2/N-40-802 refer Chapter 32-31-00 of Maintenance Manual.
7. Adjust and test chain tension as stated in para. 2 page 207 of Chapter 32-30-12 and test Landing Gear Emergency Manual Extension System as per para. C page 203 Chapter 32-31-00 of Maintenance Manual.
8. Replace all access panels.
9. Restore power to System.

KIT OF MATERIAL The following listed chains are supplied at nil cost.

Chain 2/N-40-800	1 number
Chain 2/N-40-801	1 number
Chain 2/N-40-802	1 number
Chain 2/N-40-803	1 number

The four removed chains should be returned to the Government Aircraft Factory, Lerimer Street, Fisherman's Bend, Melbourne, Australia.

SPECIAL TOOLS None.