



SERVICE BULLETIN

SUBJECT: FLYING CONTROLS - Replacement of control rod forkend horizontal stabilizer (Modification N426)

1. Planning Information:

A. Effectivity:

(1) Aircraft Affected:

N22-3	N22B-22	N22B-52	N24A-71
N22-4	N22B-23	N22B-53	N24A-72
N22B-5	N22-24	N22B-54	N24A-73
N22B-6	N22B-25	N22B-55	N22B-85
N22B-7	N22B-26	N22B-56	N22B-88
N22-8	N22B-27	N22B-57	N22B-91
N22-9	N24-30	N22B-58	N22B-94
N22B-11	N22B-31	N22B-59	N22B-97
N22B-12	N24-32	N24-60	
N22B-13	N22B-33	N22F-61	
N22B-15	N24-36	N24A-62	
N22-16	N22B-37	N24A-64	
N22-17	N24-38	N22B-66	
N22B-18	N22B-39	N22B-67	
N22B-19	N24A-44	N22B-68	
N22B-20	N24-42	N22B-69	
N22B-21	N22B-50	N22B-70	

Compliance with this modification will be indicated by a certificate for modification N 426 in the airframe log book.

(2) Spares Affected:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Recommended Disposition</u>
1/N-45-962	Fork end	Scrap

B. Reason

To increase the durability of horizontal stabilizer control system, the control rod fork end is replaced with a strengthened unit.

C. Description

Fork end P/N 1/N-45-962 is replaced with fork end P/N 2/N-45-962 which is manufactured without the lightening hole.

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D. Compliance

Before 1st July, 1980.

E. Approval

The modification described herein has been approved under Regulation 40 by the Authorized Design Signatory at G.A.F. as so authorized by the Secretary to the Department of Transport (Australia) and conforms with the type certification requirements.

F. Manpower

One man hour.

G. Material Price and Availability

The replacement fork end will be supplied as a kit by the manufacturer on a no charge basis.

I. Weight and Balance

Nil change.

J. References

M.M. - Maintenance Manual
I.P.C. - Illustrated Parts Catalogue.

K. Publication Affected

Illustrated Parts Catalogue, Section 27-40-02 item 13.

2. Accomplishment Instructions

- A. (1) Remove the dorsal fin fairing and install the rigging bar with the horizontal stabilizer in the rigging position.

Note:

- (1) For Post Modification N211, N22 and N22B aircraft, use rigging bar P/N 1/N-88-183. For Post Mod N211, N24 aircraft and N24A aircraft use rigging bar P/N 1/N-88-181. On Pre-Mod N211, N22, N22B and N24 aircraft rigging bar P/N 1/N-88-113 is used.
- (2) Modification N211 is a standard production installation on all N24A aircraft.
- (2) Gain access to the rear fuselage. Disconnect the horizontal stabilizer control rod P/N 1/N-45-1407 at the torque shaft assembly P/N 1/N-45-1411 (Refer I.P.C. 27-40-02 figure 4).

- (3) Lock the torque shaft assembly in the rigging position by installing the rigging bar P/N 1/N-88-180.

Note:

On N22, N22B and N24 aircraft that have not been modified in accordance with Modification N211 the torque shaft is locked in the rigging position using rigging pin P/N 1/N-88-60. Refer I.P.C. for pre-modification component part numbers.

- (4) Remove the control rod fork end P/N 1/N-45-962 and fit the replacement control rod fork end P/N 2/N-45-962.

Note:

- (i) For Pre Mod N211 re part number P/N 1/N-45-958 rod assembly to 2/N-45-958.
- (ii) For Post Mod N211 re part number 1/N-45-1407 rod assembly to 2/N-45-1407.
- (5) With the horizontal stabilizer and the torque shaft in the rigging position adjust the length of the control rod using the fork end and connect the control rod to the torque shaft assembly.
- (6) Remove both rigging bars and check the horizontal stabilizer control system for full and free movement.
- (7) Refit all panels and fairings.

B. Modification Action

This service bulletin incorporates the intent of modification N426.

3. Material Information

A. Parts Required Per Aircraft

<u>Part Number</u>	<u>Quantity</u>	<u>Nomenclature</u>
2/N-45-962	1	Fork End Fitting

B. Parts Required to Modified Spares

Nil.

C. Remove Parts

<u>Part Number</u>	<u>Nomenclature</u>	<u>Recommended Disposition</u>
1/N-45-962	Fork end fitting	Scrap

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D. Special Tools and Equipment Required

Nil.

E. Superseded Special Tools

Nil.

4. Recording

Record compliance with modification N426 in the Airframe Log Book.

APPROVED BY:

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for GOVERNMENT AIRCRAFT FACTORIES.