

CHAP. 1 AIRFRAME S.P. 11A A.L. 4 SHEET 1 OF 6	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Tailplane Hinge Spigot Inner and Outer Bearings - Removal		AFSC 43151
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST 43250 42152

SPECIAL TOOLS AND EQUIPMENT

Spanner	(26DK/95170).	Sling	(26DK/95102).
Tool	(26DK/95178).	Tool	(26DK/95421).
Spanner	(26DK/95149).	Spanner	(26DK/95061).
Spanner	(26DK/95169).	Walkway	(26DK/95055).
Stand	(26DK/95289).	Spanner	(26DK/95150).
Tool	(26DK/95062).	Jib No.5	(4GC/423229).
Multi-purpose servicing hoist	(4GC/4232366).	Tyre inflation rig	(4G/1050542).

ASSOCIATED PROCEDURE

SP 5 (P)
603 (AF)

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1. PREPARATION

1.1 Controls accumulator. Ensure Hydraulic Pressure released.

1.2 Fuselage. Trestle at Frame 59.

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2. PREPARATION

2.1 No.1 Reheat jet pipe. Remove (SP 5 (P)).

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3. PREPARATION

3.1 Reservoirs (services and Nos.1 & 2 control systems). Replenish (SP 603 (AF)).

3.2 Hydraulic test trolleys (quantity 3). (i) Prime.
(ii) Bleed.

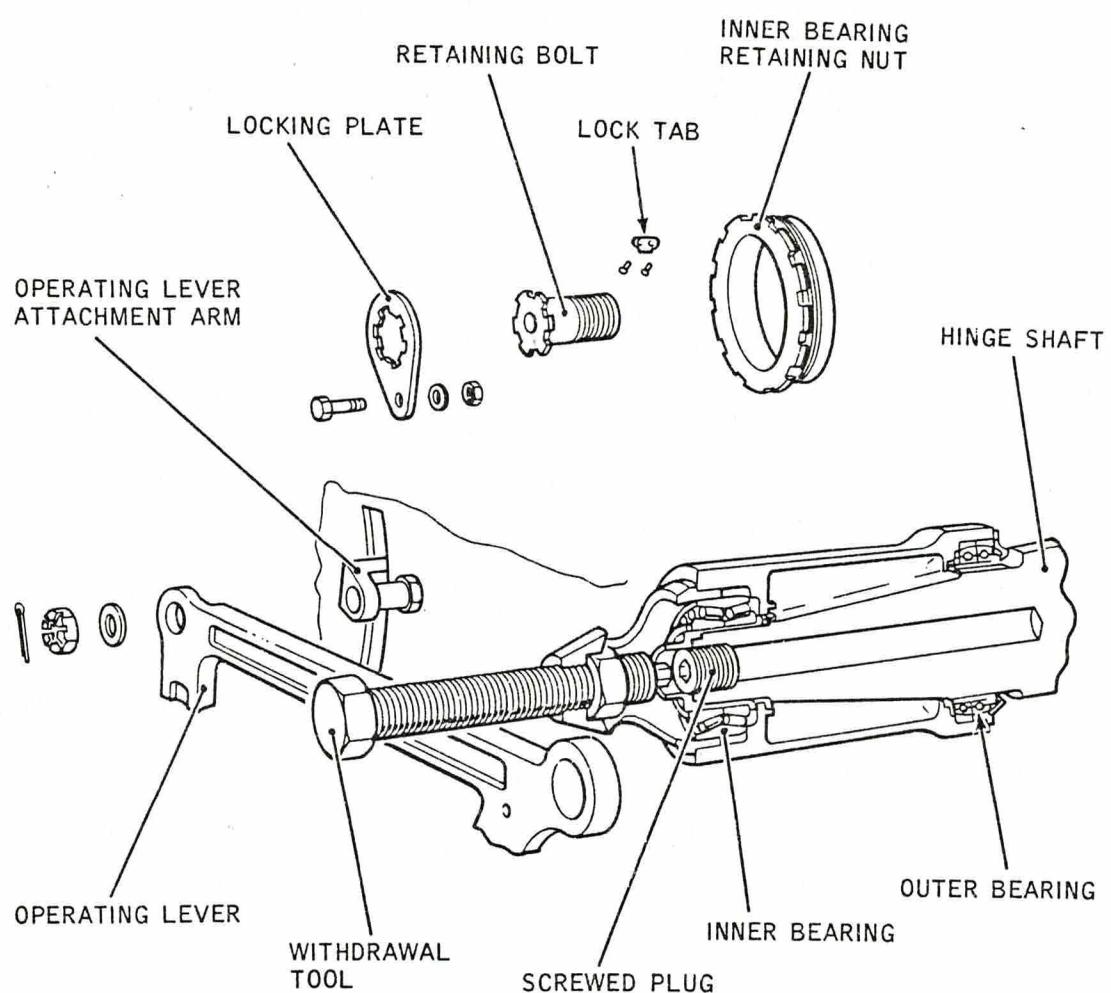
3.3 Services system test connexions. (Access panel 45P (left)). Connect hydraulic test trolleys.

3.4 No.1 Controls system test connexion. (Access panel 45P (left)). Connect hydraulic test trolleys.

3.5 No.2 Controls system test connexion. (Access panel 67P (left)). Connect hydraulic test trolleys.

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SPECIAL TOOL
FIGURE 1

Continued

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4. PREPARATION

4.1 Tyre Inflation Rig. (4G/1050542). (i) Connect to ground air charging/release connexion (Access panel 63P (left)). (ii) Set rig to deliver a pressure of between 16 and 18 lbf/in².

NOTE: Tyre Inflation Rig (4G/1050542) is not required if de-aeration rig is fitted.

4.2 Fuselage walkway Fit.

4.3 Heat shields (quantity 2). Remove.

4.4 Triangular panels (quantity 2). Remove.

4.5 Tailplane operating lever (See Figs. 1 and 2).
a) Attachment arm. Disconnect.
b) Screw-jack arm. Disconnect.

4.6 Operating lever lockplate (tailplane spigot) (See Figs. 1 and 2). Remove.

4.7 Retaining bolt (See Figs. 1 and 2). Withdraw, using spanner (26DK/95150).

4.8 Inner bearing retaining nut (See Figs. 1 and 2)
a) Lock-tab. Unlock.
b) Nut. Remove using spanner (26DK/95149).

5. REMOVAL (SEE FIGS. 1 AND 2)

5.1 Tailplane sling attachment point blanking screw. Remove.

5.2 Tailplane sling (26DK/95102). Fit.

5.3 Multi-purpose servicing hoist with No.5 Jib. (i) Connect to tailplane sling.
(ii) Take up slack.

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5. REMOVAL (SEE FIGS.1 AND 2) (Contd)

5.4 Tailplane spigot hinge. Fit screwed plug into end.

5.5 Inner bearing housing. Fit withdrawal tool (26DK/95062).

5.6 Tailplane. Support manually.

5.7 Tailplane spigot. Remove, using withdrawal tool (26DK/95062).

5.8 Tailplane. Lower and support in stand (26DK/95289).

NOTE: Sub-items 4.9 and 4.10 are applicable only if bearings are being replaced.

5.9 Outer bearing retaining nut:-

a) Tab washer. Unlock.

b) Nut. Remove, using spanner (26DK/95061).

5.10 Withdrawal tool. Remove from inner bearing housing.

5.11 Inner bearing assembly. Remove.

5.12 Outer bearing assembly. Remove.

5.13 Oil seals:-

a) Inner bearing. Remove.

b) Outer bearing. Remove.

6. EXAMINATION

6.1 Tailplane. } (i) Examine for signs of the following:

6.2 Tailplane attachment fittings. } a) Insecure (unsafe) attachment.

b) Cracks, fractures or crazing.

c) Corrosion, contamination or deterioration.

d) Distortion.

e) Loose and missing rivets.

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6. EXAMINATION (cont'd)

6.1 Tailplane (contd).	}	f) Chafing, fraying, scoring and wear.
6.2 Tailplane attachment fittings (contd).		g) Faulty and broken locking devices.

h) Loose clips, loose packing, obstruction of pipelines, leaks from pipelines.

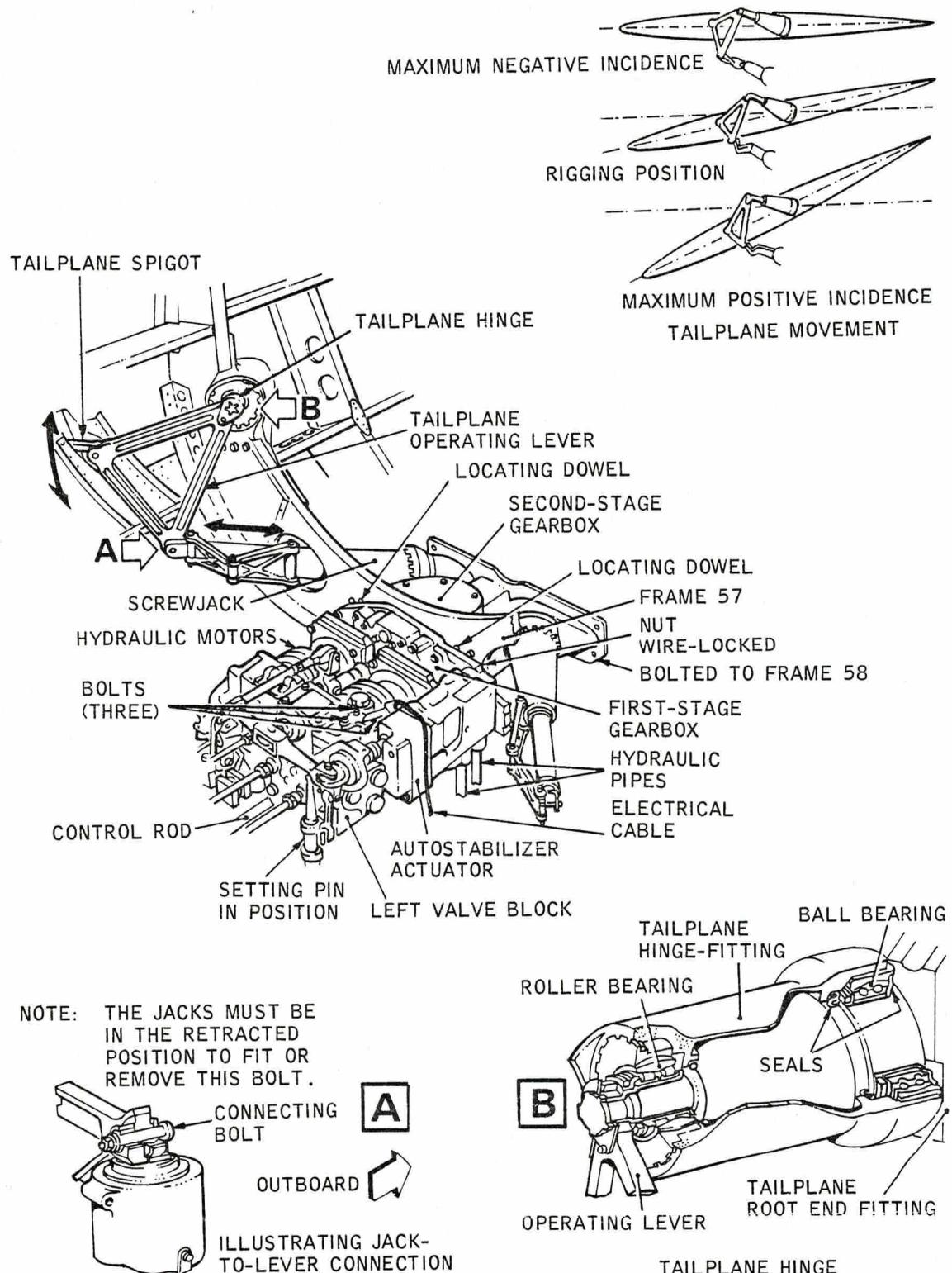
i) External damage.

j) Overheating and leaking of fluids. There may be discolouration.

(ii) Apply protective grease to the tailplane attachment fittings (Grease XG-276).

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TAILPLANE OPERATING MECHANISM

FIGURE 2

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