

CHAP. 4 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)	
S.P. 442 A.L. 1	F53 T55	5A3A Section 1	
SHEET 1 OF 4		2nd Edition	
No.1 Services and No.1 Controls Pressure Filter Brackets and Pipelines - Examination		AFSC	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		43151	
SPECIAL TOOLS AND EQUIPMENT			ASSOCIATED PROCEDURES
Ardrox dye penetrant kit.			SP 602 (AF) AP 603 (AF)
<u>43151</u>			
NOTE: Only applicable to aircraft Pre-mod 4636 and 4637.			
1. PREPARATION			
1.1	Services and controls hydraulic systems.	Release hydraulic pressure.	
1.2	Hydraulic reservoirs.	Release air pressure.	
2. EXAMINATION			
2.1	No.1 services pressure filter housing.	Remove.	
2.2	No.1 controls pressure filter housing.	Remove.	
2.3	No.1 controls pressure filter support and stiffening brackets (014612 MSL).	(i) Remove. (ii) Examine particularly for cracks using Ardrox.	
2.4	No.1 services pressure filter support and stiffening brackets (014613 MSL).	(i) Remove. (ii) Examine particularly for cracks using Ardrox.	
2.5	Pipeline support bracket at Frame 25, left (014614 MSL).	Look for cracks using probe, torch and mirror.	
2.6	Bracket stabilizer, Part No.EF3-73-2171. (014615 MSL).	Look for cracks using Ardrox.	
2.7	No.1 controls pressure filter pipelines quantity 2 (014616 MSL).	(i) Disconnect. (ii) Examine, particularly flares ends, for cracks, using Ardrox.	
Continued Overleaf			
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS			

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2. EXAMINATION (contd)

- 2.8 No.1 services pressure filter pipelines, quantity 2 (014617 MSL).
 (i) Disconnect.
 (ii) Examine, particularly flared ends, for cracks, using Ardrex.

3. FITTING

NOTE: During this item, ensure no stress is applied between any components when fitted. Any malalignment of filter mounting brackets is to be shimed out with locally manufactured packing.

- 3.1 No.1 controls pressure filter support and stiffening brackets. Refit.
- 3.2 No.1 services pressure filter support and stiffening brackets. Refit.
- 3.3 No.1 controls pressure filter housing. Refit.
- 3.4 No.1 services pressure filter housing. Refit.
- 3.5 No.1 controls pressure filter pipelines, quantity 2. Reconnect.
- 3.6 No.1 services pressure filter pipelines, quantity 2. Reconnect.
- ## 4. GENERAL
- 4.1 No.1 services accumulators. Replenish (SP 602 (AF)).
- 4.2 No.1 controls accumulators. Replenish (SP 602 (AF)).
- 4.3 No.1 controls reservoir. Replenish (SP 603 (AF)).
- 4.4 Services reservoir. Replenish (SP 603 (AF)).
- 4.5 Hydraulic servicing trolleys.
 (i) Connect to No.1 controls system test connexions; Access Panel 45P. (left).
 (ii) Connect to No.1 services system test connexions; Access Panel 45P. (left).

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4. GENERAL (contd)

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|---|---|
| 4.6 Air release connexion for hydraulic reservoirs Access Panel 63P (left). | (i) Connect air replenishment rig.
(ii) Set replenishment rig delivery pressure to between 16 and 18 lbf/in ² . |
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5. PREPARATION

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| 5.1 External power supplies. | (i) Connect to aircraft.
(ii) Switch ON. |
|------------------------------|---|

6. TESTING

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| 6.1 Hydraulic servicing trolley. | Start. |
| 6.2 Airbrakes selector switch. | Operate several times and return to closed position. |
| 6.3 Control column. | Move fore and aft steadily several times and return to central position. |
| 6.4 No.1 controls pressure filter and pipelines. | Look for signs of leaks whilst Sub-items 6.2 and 6.3 are being carried out. |
| 6.5 No.1 services pressure filter and pipelines. | Look for signs of leaks whilst Sub-items 6.2 and 6.3 are being carried out. |

7. COMPLETION

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|--|---|
| 7.1 Hydraulic servicing trolleys. | (i) Stop.
(ii) Remove. |
| 7.2 Reservoir air replenishment connexion. | (i) Disconnect replenishment rig.
(ii) Remove. |
| 7.3 Hydraulic pump quick-release connexion - Services and No.1 Controls Access Panel 45P (left). | (i) Reconnect to aircraft.
(ii) Wire lock. |
| 7.4 Reservoir air replenishment connexion Access Panel 63P (left). | (i) Refit blank.
(ii) Wire lock. |
| 7.5 Hydraulic reservoirs. | Replenish (SP 603 (AF)). |

Continued Overleaf

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7. COMPLETION (contd)

7.6 Panel 26P (left).

Check that clearance between panel and No.1 controls pressure filter pipelines and elbow reducing assembly is 0.15 in. minimum.

8. COMPLETION

8.1 External power supplies.

- (i) Switch OFF.
- (ii) Disconnect from aircraft.

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