

CHAP 2 AIRFRAME SP 116 AL 4 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Cabin Pressurization Check	AFSC 42251	TIME EST
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		
<p>SPECIAL TOOLS AND EQUIPMENT</p> <p>Gauge (small) 0.15 lbs (4G/5809). Gauge (large) 0.15 lbs (4G/11978). Pressurizing test trolley (4F/1041044). Adapter connector (26DK/95437). Adapter connector (4F/1042289). Sleeve (AGS2111/B). Cone plug (AGS/1140/B) (28F/9439950). Inflation pump (4G/3743).</p> <p style="text-align: center;"><u>4 2 2 5 1</u></p> <p>1. PREPARATION</p> <p>1.1 Pitot/Static system. Ensure all pipelines in pressurized area are connected or blanked.</p> <p>1.2 Cockpit fittings. Ensure installed and secure.</p> <p>1.3 Emergency ram air valve. Ensure closed.</p> <p>1.4 Demisting control lever. Set to OFF.</p> <p>1.5 Canopy seal test point left side sloping bulkhead (F53); left side under sill (T55). (i) Fit adapter (26DK/95437) and gauge (4G/5809). (ii) Position so as to be visible from outside with canopy closed.</p> <p>1.6 Canopy seal guards. Remove.</p> <p>1.7 Hydraulic jack safety strut. Remove.</p> <p>1.8 Forward equipment hatch. Open.</p> <p>1.9 Static bleed (Forward equipment compartment) Blank using sleeve (AGS2111/B) and cone plug (AGS1140/B; 28F/9439950). Frame 4A (T55) Frame 5 (F53).</p>		ASSOCIATED PROCEDURES
		Continued Overleaf
SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS		

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1. PREPARATION (contd)

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|------|--|--|
| 1.10 | Cockpit pressure test connexion (forward equipment compartment) Frame 4A (T55); Frame 5 (F53). | (i) Remove blank.
(ii) Fit 0-15 lbf/in ² gauge (4G11978) and locally manufactured pipe, ensuring pipe is as short as possible. |
| 1.11 | Ground test connexion (Access panel 26P (left) (F53)), (Access Panel 20P (left) (T55)). | Connect test trolley (4F/1041044) using adapter (4F/1042289). |
| 1.12 | Canopy seal storage bottle charging connexion. (Access panel 21P (left) (F53)), (Access panel 25P (left) (T55)). | (i) Connect inflation pump (4G/3743).
(ii) Pressurize system to approx 100 lbf/in ² as shown on gauge adjacent to inflation point. |
| 1.13 | External d.c. power supply. | (i) Connect.
(ii) Switch to ON. |
| 1.14 | Canopy. | (i) Close using aircraft handpump.
(ii) Lock, using external handle. |
| 1.15 | Canopy indicator lamp. | Ensure extinguished. |
| 1.16 | Canopy seal reducing valve. | Ensure operating correctly by checking gauge (4G/5809) indicates between 7.7 and 9.5 lbf/in ² . |
| 1.17 | Test trolley relief valve. | Set to 5 lbf/in ² . |
| 1.18 | Cockpit. | Pressurize at a rate not exceeding 2 lbf/in ² per minute using test trolley. |

2. TESTING

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| 2.1 | Combined exhaust valve (forward equipment). | Check that safety valves relieve when pressure is between 4.4 and 4.5 lbf/in ² as indicated on test gauge (4G/11978). |
| 2.2 | Test trolley. | Shut OFF. |
| 2.3 | Cockpit. | Check that time taken for pressure to drop from 4 to 2 lbf/in ² is not less than 30 sec. |

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3. GENERAL

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|------|--|---|
| 3.1 | Test trolley. | Disconnect. |
| 3.2 | Ground test connexion
(Access panel 20P (left)
(T55)) (Access panel 26P
(left) (F53)). | (i) Fit blank.
(ii) Wirelock. |
| 3.3 | Test connexion
(Frame 4A (T55);
(Frame 5 (F53)). | (i) Remove gauge and adapter.
(ii) Fit blank.
(iii) Wirelock. |
| 3.4 | Canopy seal storage
bottle charging connexion
(Access panel 21P (left)
(F53)) (Access panel 25P
(left) (T55)). | (i) Remove inflation pump.
(ii) Fit schrader cap. |
| 3.5 | Cockpit. | (i) Ensure pressure is zero.
(ii) Open canopy. |
| 3.6 | Canopy seal test point. | (i) Remove gauge and adapter.
(ii) Fit blank.
(iii) Wirelock. |
| 3.7 | Static bleed
(Frame 4A (T55);
(Frame 5 (F53)). | Remove blank. |
| 3.8 | Canopy seal guards. | Refit. |
| 3.9 | Canopy jack safety strut. | Refit. |
| 3.10 | Access panels. | Refit. |
| 3.11 | Forward equipment bay. | Close (Ensure flush fit). |
| 3.12 | External d.c. power. | (i) Set to OFF.
(ii) Disconnect. |

NOTE:- All wirelocking must be of 22 SWG stainless steel unless otherwise stated.

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