

CHAP 1 AIRFRAME SP 63 AL 9 SHEET 1 OF 3	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition
Combined Valve Unit Replacement	AFSC 43151 42251 42271 43171	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>Locally manufactured decanting tool consisting:</p> <p>Emptying Cap 60/3038. 18" of metallic hose. Stop Valve of 1/4" bore.</p> <p>Locally manufactured vent blank consisting:</p> <p>T Bar 8½" long with threaded portion 3/8 inch x 7/16 BSF.</p> <p style="text-align: center;"><u>43151/42251</u></p> <p>1. PREPARATION</p> <p>1.1 Panels 2P, 5P, 6P and Remove for access. panel No.3</p> <p>1.2 LOX system.</p> <p style="margin-left: 40px;">(i) Blank off the filler vent between Fr.4 and 4a left using locally manufactured vent blank.</p> <p style="margin-left: 40px;">(ii) Fit locally manufactured decanting tool to the fill and vent valve.</p> <p style="margin-left: 40px;">(iii) Direct the stop valve toward the ground away from personnel and equipment. Open stop valve.</p> <p style="margin-left: 40px;">(iv) When the system is empty:</p> <p style="margin-left: 80px;">(a) Remove vent valve blank and decanting tool.</p> <p style="margin-left: 80px;">(b) Replace sealing cap on the fill and vent valve.</p> <p>1.2 LOX tank.</p> <p style="margin-left: 40px;">(i) Disconnect the fill and vent valve, check valve pipes, and contents gauge control unit cable at the container.</p> <p style="margin-left: 40px;">(ii) Blank off pipe ends and connexions.</p> <p style="margin-left: 40px;">(iii) Release quantity 2 1/4" BSF bolts securing the container support bracket to Fr.4 and remove tank.</p>		<p>ASSOCIATED PROCEDURES</p> <p>SP116 (AF) SP118 (AF) SP100 (INS) SP600 (INS) SP601 (INS)</p>
Continued Overleaf		
<p>SERVICING PROCEDURE INSPECTION STAGES DO NOT EXCLUDE ADDITIONAL INSPECTION STAGES INCORPORATED AS NECESSARY IN MAINTENANCE CERTIFICATION DOCUMENTS</p>		

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4 3 1 5 1 / 4 2 2 5 1

1. PREPARATION (Contd)

1.4 Pipes

- (a) Oxygen pipe: Pressure control valve to cabin vent.
 - (i) Remove.
 - (ii) Fit blanks.
- (b) Air pipe: Combined valve unit to radar ground cooling connexion.
 - (i) Remove.
 - (ii) Fit blanks.
- (c) Air pipe: Combined valve unit to radar head.
 - (i) Remove.
 - (ii) Fit blanks.
- (d) Air pipe: Bulkhead to combined valve unit diaphragm.
 - (i) Remove.
 - (ii) Fit blanks.

- 1.5 Dessicant container (Radar cooling system)
 - (i) Remove.
 - (ii) Fit blanks.

2. REMOVAL

- 2.1 Combined valve unit.
 - (i) Release clamp.
 - (ii) Remove unit.
 - (iii) Fit blanks.
- 2.2 Shroud.

Transfer shroud to replacement combined valve unit.

3. FITTING

- 3.1 Combined valve unit.
 - (i) Remove blanks.
 - (ii) Locate at bulkhead flange.
- 3.2 Pipes removed at Sub item 1.4.
 - (i) Remove blanks.
 - (ii) Locate and refit.
 - (iii) Wire lock.
- 3.3 Combined valve unit.

Tighten clamp at bulkhead flange.

4 3 1 7 6 / 4 2 2 7 1 (INSPECTOR)

4. INSPECTION STAGE

- 4.1 Combined valve unit.

Inspect on completion of item 3.

Continued

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5. FITTING

- 5.1 LOX tank. (i) Remove blanks.
(ii) Locate tank at Fr.4.
- 5.2 Pipes and connexions removed at Sub-item 1.3. (i) Remove blanks.
(ii) Locate and refit.
(iii) Wire lock.
- 5.3 LOX tank. Tighten quantity 2 1/4 in BSF bolts securing bracket to Fr.4.
- 5.4 Radar cooling system dessicant container. (i) Examine dessicant and replace if required.
(ii) Remove blanks.
(iii) Fit dessicant container to base, tighten and wire lock wing nut.

4 3 1 7 1 / 4 2 2 7 1 (INSPECTOR)

6. INSPECTION STAGE

- 6.1 LOX tank. Inspect on completion of item 5.

4 3 1 5 1 / 4 2 2 5 1

7. TEST

- 7.1 LOX system. (i) Purge: SP 601 (INST).
(ii) Replenish: SP 600 (INST).

4 2 2 5 1

8. TEST

- 8.1 Cabin pressure system. Test SP 116 (AF).

4 3 1 5 1 / 4 2 2 5 1

9. TEST

- 9.1 LOX system. Leak test SP 100 (INST).

10. COMPLETION

- 10.1 Panels. Refit panels removed at Sub Item 1.1.

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