

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
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		42251 42271 43171

SPECIAL TOOLS AND EQUIPMENT

Locally manufactured decanting tool consisting:

Emptying Cap 60/3038.

18" of metallic hose.

Stop Valve of 1/4" bore.

Locally manufactured vent blank consisting:

T Bar 8 $\frac{1}{2}$ " long with threaded portion 3/8 inch x 7/16 BSF.

ASSOCIATED PROCEDURES

SP116 (AF)

SP118 (AF)

SP100 (INS)

SP600 (INS)

SP601 (INS)

43151 / 42251

1. PREPARATION

1.1 Panels 2P, 5P, 6P and Remove for access.
panel No.3

1.2 LOX system. (i) Blank off the filler vent between Fr.4 and 4a left using locally manufactured vent blank.
(ii) Fit locally manufactured decanting tool to the fill and vent valve.
(iii) Direct the stop valve toward the ground away from personnel and equipment. Open stop valve.
(iv) When the system is empty:
(a) Remove vent valve blank and decanting tool.
(b) Replace sealing cap on the fill and vent valve.

1.2 LOX tank. (i) Disconnect the fill and vent valve, check valve pipes, and contents gauge control unit cable at the container.
(ii) Blank off pipe ends and connexions.
(iii) Release quantity 2 1/4" BSF bolts securing the container support bracket to Fr.4 and remove tank.

Continued Overleaf

CHAP 1 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
SP 63 AL 9	F53 T55	5A3A Section 1
SHEET 2 OF 3		2nd Edition

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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.

43176/42271 (INSPECTOR)

4. INSPECTION STAGE

4.1 Combined valve unit. Inspect on completion of item 3.

Continued

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4 3 1 5 1 / 4 2 2 5 1

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.
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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).
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4 2 2 5 1

8. TEST

8.1 Cabin pressure system.	Test SP 116 (AF).
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4 3 1 5 1 / 4 2 2 5 1

9. TEST

9.1 LOX system.	Leak test SP 100 (INST).
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10. COMPLETION

10.1 Panels.	Refit panels removed at Sub Item 1.1.
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1925-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-299-300-301-302-303-304-305-306-307-308-309-3010-3011-3012-3013-3014-3015-3016-3017-3018-3019-3020-3021-3022-3023-3024-3025-3026-3027-3028-3029-3030-3031-3032-3033-3034-3035-3036-3037-3038-3039-3040-3041-3042-3043-3044-3045-3046-3047-3048-3049-3050-3051-3052-3053-3054-3055-3056-3057-3058-3059-3060-3061-3062-3063-3064-3065-3066-3067-3068-3069-30610-30611-30612-30613-30614-30615-30616-30617-30618-30619-30620-30621-30622-30623-30624-30625-30626-30627-30628-30629-30630-30631-30632-30633-30634-30635-30636-30637-30638-30639-30640-30641-30642-30643-30644-30645-30646-30647-30648-30649-30650-30651-30652-30653-30654-30655-30656-30657-30658-30659-30660-30661-30662-30663-30664-30665-30666-30667-30668-30669-30670-30671-30672-30673-30674-30675-30676-30677-30678-30679-30680-30681-30682-30683-30684-30685-30686-30687-30688-30689-306810-306811-306812-306813-306814-306815-306816-306817-306818-306819-306820-306821-306822-306823-306824-306825-306826-306827-306828-306829-306830-306831-306832-306833-306834-306835-306836-306837-306838-306839-306840-306841-306842-306843-306844-306845-306846-306847-306848-306849-306850-306851-306852-306853-306854-306855-306856-306857-306858-306859-306860-306861-306862-306863-306864-306865-306866-306867-306868-306869-306870-306871-306872-306873-306874-306875-306876-306877-306878-306879-306880-306881-306882-306883-306884-306885-306886-306887-306888-306889-306890-306891-306892-306893-306894-306895-306896-306897-306898-306899-3068100-3068101-3068102-3068103-3068104-3068105-3068106-3068107-3068108-3068109-3068110-3068111-3068112-3068113-3068114-3068115-3068116-3068117-3068118-3068119-3068120-3068121-3068122-3068123-3068124-3068125-3068126-3068127-3068128-3068129-3068130-3068131-3068132-3068133-3068134-3068135-3068136-3068137-3068138-3068139-3068140-3068141-3068142-3068143-3068144-3068145-3068146-3068147-3068148-3068149-3068150-3068151-3068152-3068153-3068154-3068155-3068156-3068157-3068158-3068159-3068160-3068161-3068162-3068163-3068164-3068165-3068166-3068167-3068168-3068169-3068170-3068171-3068172-3068173-3068174-3068175-3068176-3068177-3068178-3068179-3068180-3068181-3068182-3068183-3068184-3068185-3068186-3068187-3068188-3068189-3068190-3068191-3068192-3068193-3068194-3068195-3068196-3068197-3068198-3068199-30681910-30681911-30681912-30681913-30681914-30681915-30681916-30681917-30681918-30681919-30681920-30681921-30681922-30681923-30681924-30681925-30681926-30681927-30681928-30681929-30681930-30681931-30681932-30681933-30681934-30681935-30681936-30681937-30681938-30681939-30681940-30681941-30681942-30681943-30681944-30681945-30681946-30681947-30681948-30681949-30681950-30681951-30681952-30681953-30681954-30681955-30681956-30681957-30681958-30681959-30681960-30681961-30681962-30681963-30681964-30681965-30681966-30681967-30681968-30681969-30681970-30681971-30681972-30681973-30681974-30681975-30681976-30681977-30681978-30681979-30681980-30681981-30681982-30681983-30681984-30681985-30681986-30681987-30681988-30681989-30681990-30681991-30681992-30681993-30681994-30681995-30681996-30681997-30681998-30681999-306819910-306819911-306819912-306819913-306819914-306819915-306819916-306819917-306819918-306819919-306819920-306819921-306819922-306819923-306819924-306819925-306819926-306819927-306819928-306819929-306819930-306819931-306819932-306819933-306819934-306819935-306819936-306819937-306819938-306819939-306819940-306819941-306819942-306819943-306819944-306819945-306819946-306819947-306819948-306819949-306819950-306819951-306819952-306819953-306819954-306819955-306819956-306819957-306819958-306819959-306819960-306819961-306819962-306819963-306819964-306819965-306819966-306819967-306819968-306819969-306819970-306819971-306819972-306819973-306819974-306819975-306819976-306819977-306819978-306819979-306819980-306819981-306819982-306819983-306819984-306819985-306819986-306819987-306819988-306819989-306819990-306819991-306819992-306819993-306819994-306819995-306819996-306819997-306819998-306819999-306819910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