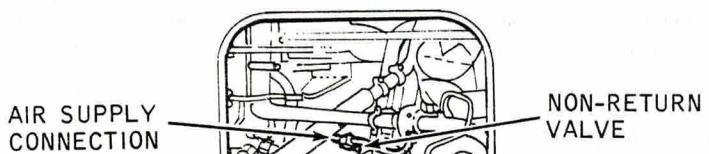
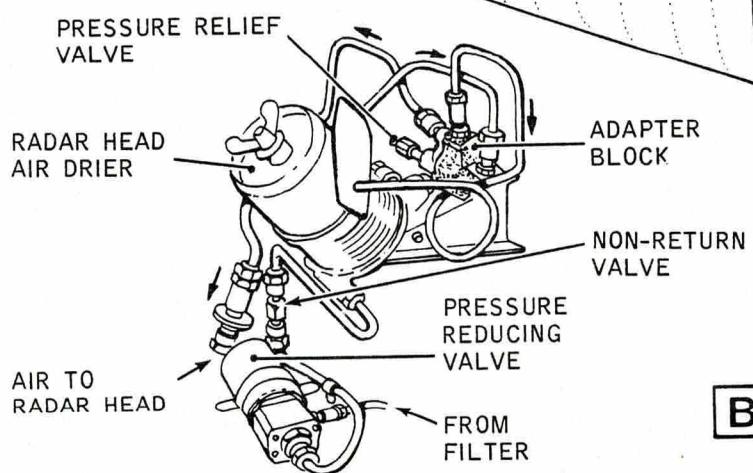
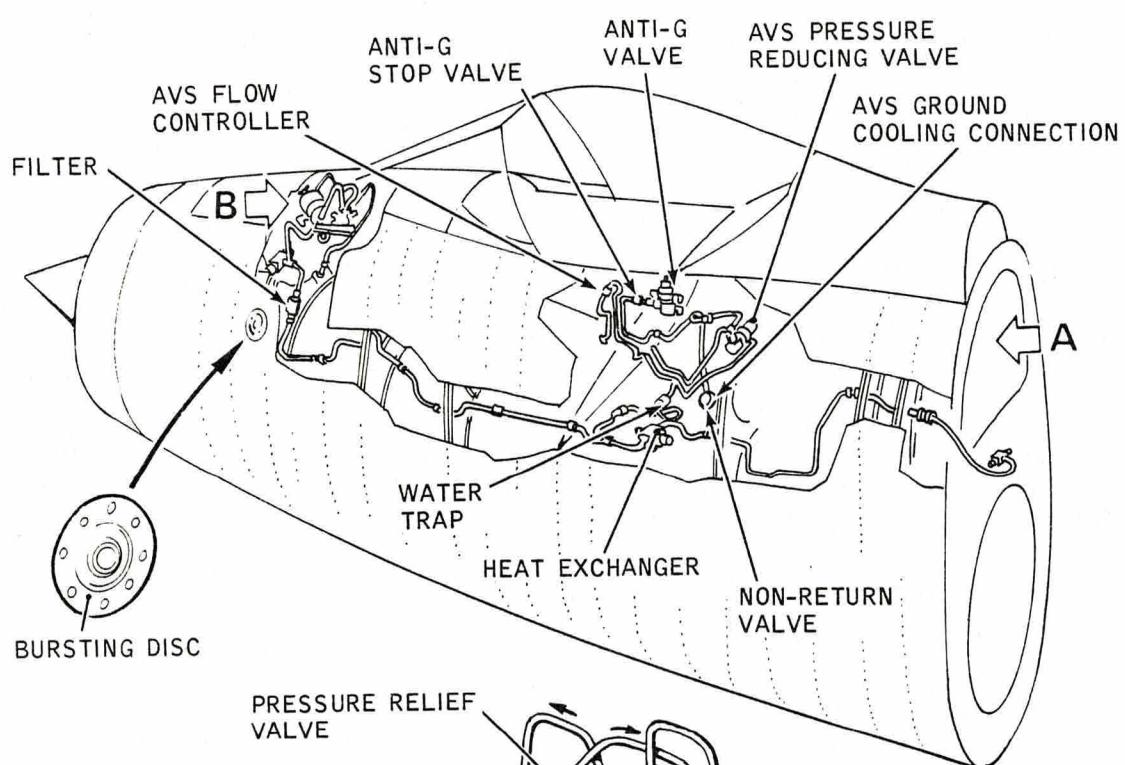


CHAP 4 AIRFRAME SP 405 AL 4 SHEET 1 OF 4	SERVICING PROCEDURE F53 T55	BAC F53 & T55 (SA) 5A3A Section 1 2nd Edition		
Radar Bullet Air Pressure Relief Valve - Failure To Operate		AFSC 32251 42251		
Safety and Servicing Notes are to be complied with throughout the work detailed on this card.		TIME EST		
SPECIAL TOOLS AND EQUIPMENT				
Adapter (26DK/95228). Gauge 0-40 lbs (4G/3845). Air supply trolley (4G/4272). Tyre inflation rig (4G/1050542).				
<u>32251</u>				
1. PREPARATION				
1.1 Radar bullet.	Remove (SP 1(RAD)).			
<u>42251</u>				
2. PREPARATION				
2.1 Forward equipment compartment access door.	Open.			
2.2 Radar bullet ground test connexion (See Fig.1 Detail A) (Access Panel 26S(Right) - F53). (Access Panel 20S(Right) - T55).	Remove blank.			
2.3 Tyre inflation rig (4G/1050542).	(i) Connect to test connexion. (ii) Connect air supply. (iii) Set relief valve at 50lbf/in ² .			
2.4 Air pressurisation pipe (26DK/35366).	Using suitable locally manufactured adapter, fit 0-40 lbs gauge (4G/3845) to bullet end of pipe.			
3. TESTING				
3.1 Air supply trolley.	Set to deliver 100 lbf/in ² .			
3.2 Tyre inflation rig.	Set control valves to slowly increase air pressure to a maximum of 50 lbf/in ² .			
Continued Overleaf				

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



GROUND SERVICING AIR SUPPLY CONNECTION



RADAR HEAD PRESSURIZATION EQUIPMENT

ANTI-G, AVS AND RADAR HEAD PRESSURIZATION

FIGURE 1

Continued

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

42251

3. TESTING (Contd)

3.3 Radar bullet air pressure relief valve (See Fig.1).

- (i) Check valve opens at between 20 and 24 lbf/in².
- (ii) Check that as pressure gauge at tyre inflation rig increases to 50 lbf/in² the gauge at sub-item 2.4 remains between 20 and 24 lbf/in².

NOTE: Item 4 is applicable only where radar bullet air pressure relief valve has not met the requirements of sub-item 3.3.

4. RECTIFICATION

4.1 Air supply trolley.

Turn OFF.

4.2 Tyre inflation rig.

Set to exhaust air pressure.

4.3 Radar bullet air pressure relief valve.

Replace.

4.4 Air supply trolley.

Set to deliver 100 lbf/in².

4.5 Tyre inflation rig.

Set control valves to slowly increase air pressure to a maximum of 50 lbf/in².

4.6 Radar bullet air pressure relief valve.

- (i) Check valves open at between 20 and 24 lbf/in².
- (ii) Check that as pressure gauge at tyre inflation rig increases to 50 lbf/in² the gauge at sub-item 2.4 remains between 20 and 24 lbf/in².

5. COMPLETION

5.1 Air supply trolley.

- (i) Turn OFF.
- (ii) Disconnect.

5.2 Tyre inflation rig.

- (i) Set to exhaust air pressure.
- (ii) Disconnect from test connexion.

5.3 Radar bullet ground test connexion.

Refit blank and wirelock.

Continued Overleaf

CHAP. 4 AIRFRAME	SERVICING PROCEDURE	BAC F53 & T55 (SA)
S.P. 405 A.L. 4	F53 T55	5A3A Section 1
SHEET 4 OF 4		2nd Edition

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

42251

5. COMPLETION (Contd)

5.4 Air pressurization pipe (26DK/35366). Remove gauge and adapter.

32251

6. COMPLETION

6.1 Radar bullet. Refit (SP 2(RAD)).

42251

7. COMPLETION

7.1 Radar bullet. Test (SP 118(AF)).

NOTE: All wirelocking to be of 22 SWG stainless steel locking wire unless otherwise stated.



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