LIST OF CHAPTERS

P.F.6.

REFERENCE INDEX OF SERVICING SCHEDULES FOR COMPONENTS REQUIRING BAY SERVICING
HUNTER ALL MARKS

Component	Ref or Pt No.	Publication Number	Remarks
Aileron Geared Jack	C7889Y	1803D Vol 4 Pt 6 Book 4	F Mk 6 GA Mk 9
Aileron Geared Jack	1.00420.001	1803D Vol 4 Pt 6 Book 4	F Mk 6 GA Mk 9
Aileron Geared Jack	C8767Y	1803D Vol 4 Pt 6 Book 4	T Mk 7 & 7A
Aileron Geared Jack	1.00426.001	1803D Vol 4 Pt 6 Book 4	T Mk 7 & 7A
Water Extractor	26FX/4244555 WE 15 Mks 1B and 3	4340 Vol 4 Pt 6	F Mk 6 GA Mk 9
Water Extractor	WE 30 Mk 7	4340 Vol 4 Pt 6	T Mk 7 & 7A
Brake Unit	AH 50247	2337 Vol 4 Pt 6 Book 2	
Brake Unit	AH 50248	2337 Vol 4 Pt 6 Book 2	
Maxaret Unit	AC 11522	1803S Vol 4 Pt 6	F Mk 6
Maxaret Unit	AC 11524	1803S Vol 4 Pt 6	F Mk 6
Maxaret Unit	AC 14128	1803S Vol 4 Pt 6	F Mk 6
Maxaret Unit	AC 14130	1803S Vol 4 Pt 6	F Mk 6
Maxaret Unit	AC 61710	1803S Vol 4 Pt 6	
Maxaret Unit	AC 61712	1803S Vol 4 Pt 6	

Continued

Component	Ref or Pt No.	Publication Number	Remarks
Air Filter	ACO 7273	105C-0108-5F	
Emergency Oxygen Set: Mk 7A Mk 7B Mk 7H	6D/2060)) 6D/2629)	107D-1002-1	T Mk 7 & 7A
Inner Brake Pipe Group	07950Y205	105B-1121-5F	
Inner Brake Pipe Group	07950Y206	105B-1121-5F	
Main Wheel	AH 50701	104F-1031-15F	
Main Wheel	AH 51338	104F-1031-15F	
Nose Wheel	AH 9336	104G-1021-15F	
Power Control Unit Assembly	AH 1891	105D-1301-5F (16C)	F Mk 6 GA Mk 9
Power Control Unit Assembly	AH 1892	105D-1301-5F (16C)	F Mk 6 GA Mk 9
Power Control Unit Assembly	AH 1525	105D-1311-5F (16)	
Power Control Unit Assembly	AH 957	105D-1306-5F (16)	T Mk 7 & 7A
Power Control Unit Assembly	AH 958	105D-1306-5F (16)	TMk 7 & 7A

Continued

REFERENCE INDEX OF SERVICING SCHEDULES FOR COMPONENTS REQUIRING BAY SERVICING
HUNTER ALL MARKS

Component	Ref or Pt No.	Publication Number	Remarks
Power Control Unit Assembly	AH 1525	105D-1311-5F (16)	
Release Valve	D4930Y	105B-05123-16C	
Release Valve	C4076Y MK C	105B-05107-16C	
Release Valve	C40767 MK E	105B-05107-16C	F Mk 6, GA Mk 9
Release Valve	C4076Y MK F	105B-05107-16C	T Mk 7 & 7A
Sequence Valve	C3942Y MK G	105B-05106-16C	F Mk 6
Sequence Valve	C3942Y MK J	105B-05106-16C	GA Mk 9
Sequence Valve	C3942Y MK K	105B-05106-16C	
Sequence Valve	C7596Y MK A	105B-07454-1	
Sequence Valve	C7596Y MK B	105B-07454-1	
Sequence Valve	C7596Y MK C	105B-07454-1	
Sequence Valve	C8216Y MK A	105B-05106-16C	
Sequence Valve	C8950Y MK A	105B-05106-16C	
Sequence Valve	C8950Y MK C	105B-05106-16C	
Seuqence Valve	C8950Y MK D	105B-05106-16C	
Sequence Valve	C8950Y BO 2	105B-05106-16C	
Sequence Valve	C8950Y BO 3	105B-05106-16C	
Sequence Valve	C8950Y BO 4	105B-05106-16C	
Sequence Valve	C8950Y BO 5	105B-05106-16C	
Sequence Valve	D7375Y MK A	105B-05120-1 105B-0840-1	
Sequence Valve	1.00043.012	105B-07454-1	
Sequence Valve	1.00043.013	105B-07454-1	

Continued

REFERENCE INDEX OF SERVICING
SCHEDULES FOR COMPONENTS
REQUIRING BAY SERVICING
HUNTER ALL MARKS

Component	Ref or Pt No.	Publication Number	Remarks
Towed Target Release Slip	Type A Mk 1	101T-1003 5F	GA Mk 9
Valve Pressure Regulator	C3651Y	105B-07443-1	
Valve Pressure Regulator	1.02032.001	105B-07410-1	

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

SPRING STRUT
26FX/4245339
HUNTER F6, T7, T7A AND 8B
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 2

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A.2, AP830, Vol 3, Pt 'A'.	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/2241793	Grease, XG-287	G-354	" "

P.F.6.

SAFETY PRECAUTIONS

1. Trichloroethane (Inhibisol). Trichloroethane (33D/2201465) Spray also known as Inhibisol has a strong degreasing action on the skin. The following health precautions are to be observed:

a. All unnecessary exposure to the vapour is to be avoided.

b. The work area is to be adequately ventilated. Suitable respirators are to be worn if Trichloroethane (Inhibisol) is used in an enclosed space.

c. Smoking, eating and drinking in the work area are prohibited.

d. Care is to be taken to prevent splashing when handling the fluid. If necessary goggles or eye shields are to be worn. If any does enter the eyes, they are to be washed out immediately with running water and the Station Medical Centre informed.

e. Rubber gloves are to be worn, and any portion of the skin liable to come into contact with the fluid is to be protected by a barrier cream. If the skin is splashed the affected parts are to be thoroughly washed with soap, and clean water, as soon as possible.

P.F.6.

SERVICING NOTES

1. Clean all metal parts with Trichloroethane (33D/2201465) and dry using compressed air.

P.F.6.

1 Tradesman Man Hrs	2 Tradesman Initials	3 Brief Details of Suspected Defect and MOD F720 ORN When Applicable	4 Supervisor Man Hrs	5 Supervisor Initials

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	

2. Dismantling

2.1	Strut.	Measure and record distance between eye-end centres.
2.2	Strut.	
	(a) Locking wire.	Remove.
	(b) Lower eye-end fitting locknut.	Slacken.
	(c) Lower eye-end fitting.	Remove.
	(d) Locknut.	
	(e) Upper eye-end fitting.	Remove.
	(f) Upper eye-end fitting laminated washer.	Retain.
	(g) Spring spindle assembly.	Withdraw.

3. Examination

3.1	Body.	(i) Clean.
3.2	Upper eye-end fitting.	(ii) Examine and particularly for worn or damaged threads.
3.3	Lower eye-end fitting.	
3.4	Spring assembly.	(i) Clean.
3.5	Spindle assembly.	(ii) Examine.
		(iii) Lubricate. (Grease, XG-287).

4. Reassembling

4.1	Strut.	
	(a) Upper eye-end fitting laminated washer.	Refit.
	(b) Upper eye-end fitting.	
	(c) Spring assembly.	Refit to body.
	(d) Spindle assembly.	
	(e) Lower eye-end fitting locknut.	Locate on spindle.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
4.	Reassembling (Contd)						
4.1	Strut. (Contd)						
	(f) Lower Eye-end fitting.	(i) Refit. (ii) Adjust until distance between eye-end centres is the same as that recorded at Sub-item 2.1.					
	(g) Locknut.	Tighten.					
5.	Testing						
5.1	Strut.	(i) Fully compress. (ii) Check distance between eye-end centres is 19.81 cm (7.8 in). (iii) Release compression load. (iv) Fully extend. (v) Check distance between eye-end centres is 25.40 cm (10 in.). (vi) Release extension load.					
6.	Completion						
6.1	Upper eye-end fitting.	Lock with wire to body. (0.711 mm (22 SWG)).					
6.2	Lower eye-end fitting.	Lock with wire. (0.711 mm (22 SWG)).					
6.3	Lower eye-end fitting locknut.	Lock with wire to body. (0.711 mm (22 SGW)).					
6.4	Documentation.	Complete.					

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

SPRING STRUT
26FX/4240430
HUNTER GA9
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 3

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2., AP830, Vol 3, Pt 'A'.	1

	MATERIALS	NATO CODE NO	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SGW).		As required
34B/2241793	Grease, XG-287.	G-354	"

P.F.6.

SAFETY PRECAUTIONS

1. Trichloroethane (Inhibisol). Trichloroethane (33D/2201465) Spray also known as Inhibisol has a strong degreasing action on the skin. The following health precautions are to be observed:

a. All unnecessary exposure to the vapour is to be avoided.

b. The work area is to be adequately ventilated. Suitable respirators are to be worn if Trichloroethane (Inhibisol) is used in an enclosed space.

c. Smoking, eating and drinking in the work area are prohibited.

d. Care is to be taken to prevent splashing when handling the fluid. If necessary gogles or eye shields are to be worn. If any does enter the eyes, they are to be washed out immediately with running water and the Station Medical Centre informed.

e. Rubber gloves are to be worn, and any portion of the skin liable to come into contact with the fluid is to be protected by a barrier cream. If the skin is splashed the affected parts are to be thoroughly washed with soap, and clean water, as soon as possible.

SERVICING NOTES

1. Clean all metal parts with Trichloroethane (33D/2201465) and dry using compressed air.

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	

2. Dismantling

2.1	Strut.	Measure and record distance between eye-end centre.
2.2	Strut.	
	(a) Locking wire.	Remove.
	(b) Lower eye-end fitting locknut.	Slacken.
	(c) Lower eye-end fitting.	Remove.
	(d) Locknut.	
	(e) Upper eye-end fitting.	Remove.
	(f) Upper eye-end fitting laminated washer.	Retain.
	(g) Spring spindle assembly.	Withdraw.

3. Examination

3.1	Body.	(i) Clean.
3.2	Upper eye-end fitting.	(ii) Examine and particularly for worn or damaged threads.
3.3	Lower eye-end fitting.	
3.4	Spring assembly.	(i) Clean.
3.5	Spindle assembly.	(ii) Examine.
		(iii) Lubricate. (Grease, XG-287).

4. Reassembling

4.1	Strut.	
	(a) Upper eye-end fitting laminated washer.	Refit.
	(b) Upper eye-end fitting.	
	(c) Spring assembly.	Refit to body.
	(d) Spindle assembly.	
	(e) Lower eye-end fitting locknut.	Locate on spindle.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

				Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
				1	2	3	4	5
4.	Reassembling (Contd)							
4.1	Strut (Contd)							
	(f) Lower eye-end fitting.	(i)	Refit.					
		(ii)	Adjust until distance between eye-end centres is the same as that recorded at Sub-item 2.1.					
	(g) Locknut.	Tighten.						
5.	Testing							
5.1	Strut.	(i)	Fully compress.					
		(ii)	Check distance between eye-end centres is 19.81 cm (7.8 in).					
		(iii)	Release compression load.					
		(iv)	Fully extend.					
		(v)	Check distance between eye-end centres is 25.40 cm (10 in.).					
		(vi)	Release extension load.					
6.	Completion							
6.1	Upper eye-end fitting.	Lock with wire to body. (0.711 mm (22 SWG)).						
6.2	Lower eye-end fitting.	Lock with wire. (0.711 mm (22 SWG)).						
6.3	Lower eye-end locknut.	Lock with wire to body. (0.711 mm (22 SWG)).						
6.4	Documentation.	Complete.						

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

100 GALLON DROP TANK
26FX/4241179
INITIAL ASSEMBLY OF NEW TANK
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 4

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY

100 GALLON DROP TANK
26FX/4241179
INITIAL ASSEMBLY OF NEW TANK
HUNTER ALL MARKS

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2., AP830, Vol 1/3, Pt 'A'.	1
4G/4310935	Footpump.	1
4G/4420526	Tool, Shell Assembly.	2
4F/4229426	Gauge, Pressure.	1
5G/9156675	Resistance Tester, Type C.	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6.	1
4F/1041538	Canopy Seal Inflator.	1
LM	Test Adapter. Fig 2.	1
LM	Test Blank. Fig 2.	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SGW).		As required
34B/9437518	Anti Seize Compound, ZX-38.	S-722	"

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

P.F.6.

100 GALLON DROP TANK
26FX/4241179
INITIAL ASSEMBLY OF NEW TANK
HUNTER ALL MARKS

SERVICING NOTES

1. Tank shells are to be assembled by two operators using only the special assembly tool provided.

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.	**Preparation**		
1.1 1.2 1.3	Introduction. Safety Precautions. Servicing Notes.		Read.
1.4	Tank shells and fin assembly.	(i) (ii)	Remove from transit container. Examine.
2.	**Modification State**		
2.1	Outstanding modifications.		Embody.
2.2	Special Technical Instructions.		Satisfy.
2.3	Servicing Instructions.		Carry out.
NB	During Items 3 to 6 inclusive assistance of an Electrical tradesman is required.		
3.	**Bonding Test**		
3.1 3.2 3.3	Nose shell. Centre shell. Rear shell.		Using safety ohmmeter Mk 6 check that resistance does not exceed 0.05 ohms between each metal component.
4.	**Float Switches Resistance Check**		
4.1 4.2	Top float switch insulation between each pin and earth. Bottom float switch insulation between each pin and earth.		Using resistance tester Type C check that with floats in both positions resistance is not less than 20 Megohms.
5.	**Magneto Synchronizer Test**		
5.1	Magneto synchronizer.	(i) (ii) (iii)	Short circuit leads R and B. Depress switch and note brilliance of both lamps. Remove shorting medium.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
6.	The following Test is to be carried out on top and bottom switches. Float Switch Test						
6.1	Float switch.	(i) Connect to magneto synchronizer (Table 1 Column 3). (ii) Mount in test position (Table 1 Column 2).					
6.2	Float.	Ensure in down position.					
NB	During Sub-items 6.4 to 6.8 inclusive magneto synchronizer switch is to be kept depressed.						
6.3	Magneto synchronizer.	Depress switch.					
6.4	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 5.1 Operation (ii). Note:- A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
6.5	Float arm.	Raise slowly and note angular position of arm when switch changes over.					
6.6	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 5.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
6.7	Float arm.	Lower slowly and note angular position of arm when switch changes over. Note:- There is to be an appreciable angular difference between changeover positions of arm in Sub-items 6.6 and 6.8.					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

6 Float Switch Test (Contd)

6.8 Magneto synchronizer. (i) Release switch.
(ii) Disconnect.

TABLE 1

Column 1	Column 2			Column 3			Colum 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
35D4100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue
35D4100/153	Horizontal	N/A	12 O'clock	Y	R	-	-	Red

7. Assembling

7.1 Sealing rings. Fit over forward and rear joint rings of centre shell.

7.2 Nose and centre shells.
7.3 Rear and centre shells.

(i) Align raised arrowheads.
(ii) Fit together so that pin head in rear shell engages in slot in centre shell.
(iii) Fit tools, 4G/4420526 (2 off) at 180 degrees to each other. (Fig.1C).
(iv) Apply pressure evenly to tool levers to close shells.
(v) Insert bolts with washers in available holes.
(vi) Remove tools.
(vii) Insert bolts with washers in remaining holes.

7.4 Tail fin. Fit to tail fin bracket.

7.5 Tail fairing. Fit to rear shell.

Continued overleaf

100 GALLON DROP TANK
26FX/4241179
INITIAL ASSEMBLY OF NEW TANK
HUNTER ALL MARKS

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
7.	Assembling (Contd)						
7.6 7.7	Drain plug. Filler cap.	Fit.					
8.	During this Item assistance of an Electrical tradesman is required. Bonding Test						
8.1	Assembled tank.	Using safety ohmmeter Mk 6 check that resistance between all external metal parts and external bonding socket does not exceed 0.05 ohms.					
9.	During this Item tank is to be suitably supported on cradles. Leak Test						
9.1	Tank fuel and air connections.	Remove.					
9.2	Tank.	Fill with fuel to level of filler cap housing.					
9.3	Fuel connection.	Fit test blank. (Fig 2).					
9.4	Adapter. (Fig 2).	Fit to tank air connection.					
9.5	Inflation valve and gauge.	Fit to adapter.					
9.6	Footpump.	Connect.					
9.7	Tank.	Pressurize to 1.034 bar. (15 lbf/in2).					
9.8	Footpump.	Disconnect.					
9.9	Tank.	(i) Ensure no leaks or loss of pressure over a period of 20 minutes. (ii) Release pressure.					
9.10	Adaptor, gauge and inflation valve.	Remove.					
9.11	Tank.	Drain.					
9.12	Test blank.	Remove.					
9.13	Tank fuel and air connections.	Refit.					

Continued

SERVICING RECORD

Aircraft/Equipment
Ser No.
Date:

100 GALLON DROP TANK
26FX/4241179
INITIAL ASSEMBLY OF NEW TANK
HUNTER ALL MARKS

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

10. Completion

10.1	Connections.	Fit blanks.
10.2	Locating spigots.	Coat with anti seize compound, (ZX-38).
10.3	Documentation.	Complete.

Continued

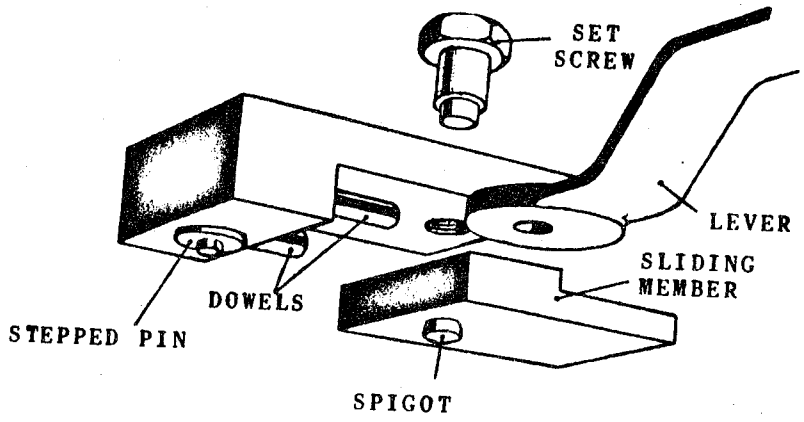


Fig. 1A Exploded view of special tool

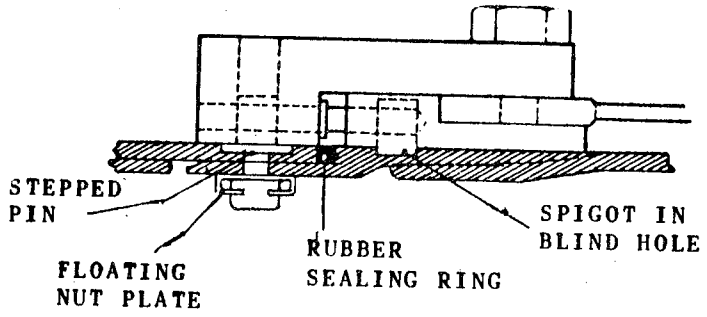


Fig. 1B Special tool in position

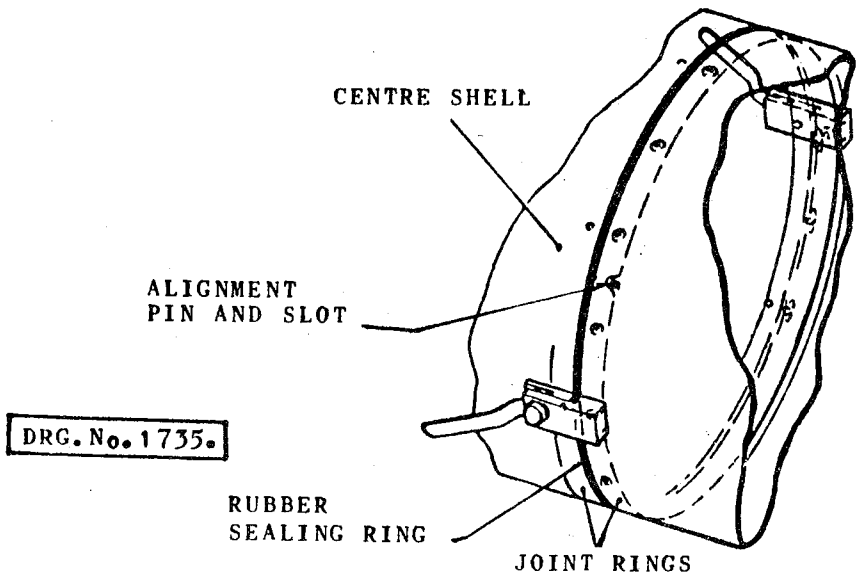


Fig. 1C Special tools as used when assembling

P.F.6.

Continued

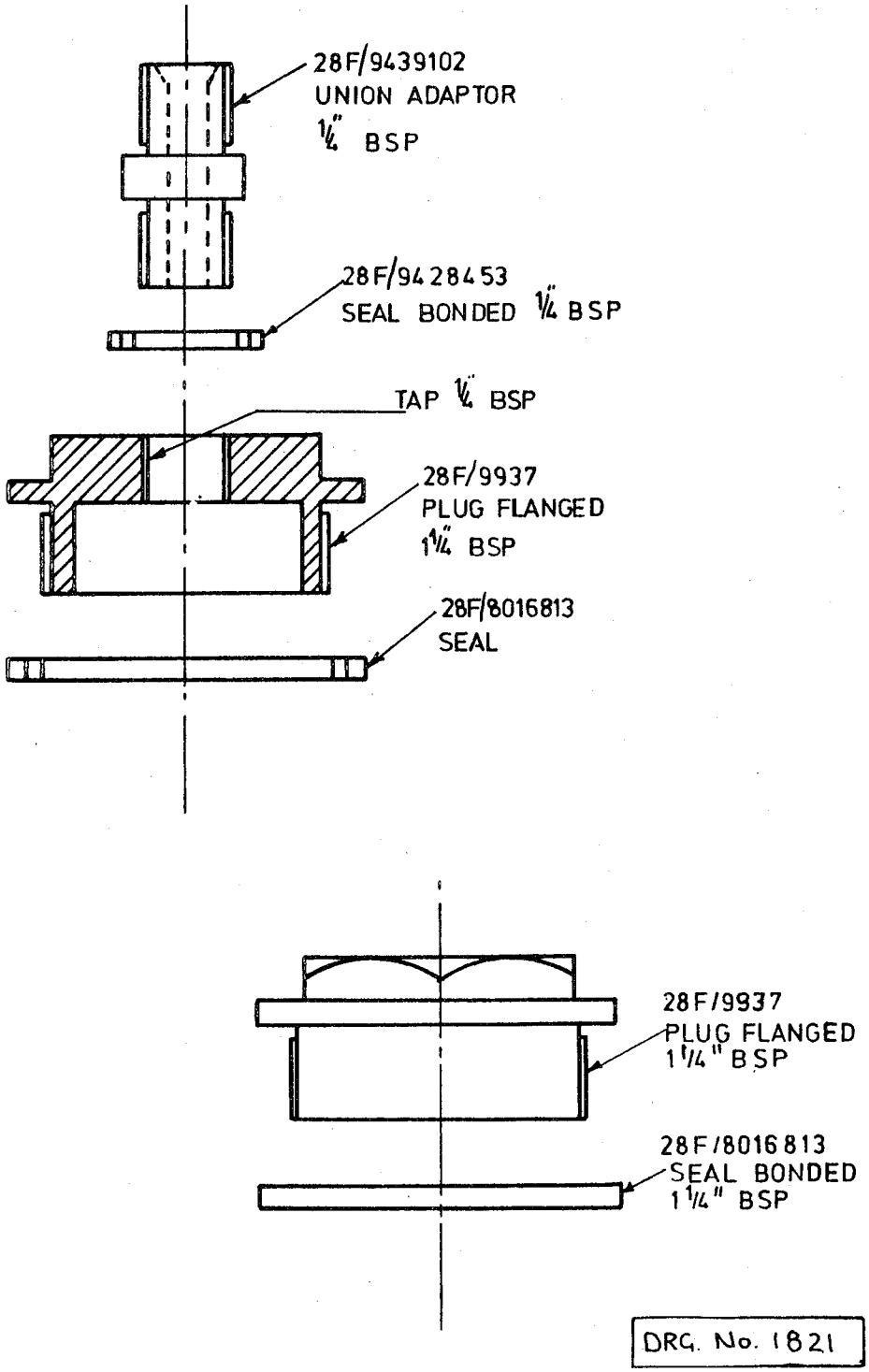


Fig. 2 Test adapter and blank

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

100 GALLON DROP TANK
26FX/4241179
ROUTINE BAY SERVICING
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

100 GALLON DROP TANK
26FX/4241179
ROUTINE BAY SERVICING
HUNTER ALL MARKS

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A.2, AP830, Vol 1/3, Pt 'A'.	1
5G/9156675	Resistance Tester, Type C.	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6.	1
1A/4661380	0-1 inch Micrometer.	1
1A/9100070	0-25 mm Micrometer.	1
4G/4310935	Footpump.	1
4F/4229426	Gauge, Pressure.	1
4F/1041538	Canopy Seal Inflator.	1
LM	Test Adaptor, Fig.2.	1
LM	Test Blank, Fig.2.	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/9437518	Anti Seize Compound, ZX-38	S-722	"

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this chapter.

P.F.6.

SERVICING NOTES

1. Blanking of Pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

SERVICING RECORD

Aircraft/Equipment
No.

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.	**Preparation**	
1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank.	Ensure drained.
1.5	Top float switch.	Remove.
2.	**Examination**	
2.1	Tank internal structure.	Examine as far as possible.
2.2	Tank external surfaces.	Examine.
2.3	Fin assembly and fin attachment bracket.	(i) Remove. (ii) Examine and particularly for lifting plates and loose or sheared rivets. (iii) Examine fin attachment bracket and particularly for cracks. (iv) Examine bolts (4 off) securing fin to fin bracket. Replace bolts which show signs of fretting or hammering. (v) Examine bolts (4 off) securing fin bracket to tank. Replace bolts which show signs of fretting or hammering. (vi) Refit fin bracket to tank. Torque load bolts to 11.29Nm (100 lbf/in). (vii) Refit fin bracket. Torque load bolts to 9.03 Nm (80 lbf/in). (viii) Refit fin fairing.
2.4	Locating spigots.	(i) Examine. (ii) Check that diameter is not less than 1.232 cm (0.485 in).
2.5	Lifting lug.	Examine.
2.6	Fuel and air connections.	
2.7	Fuel and air connection seals.	

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hr	Supervisor Initials
1	2	3	4	5

NB During Items 3 to 6 inclusive assistance of an Electrical tradesman is required.

3. Float Switches Resistance Check

3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with floats in both positions resistance is not less than 20 Megohms.
3.2	Bottom float switch insulation between each pin and earth.	

4. Magneto Synchronizer Test

4.1	Magneto synchronizer.	(i)	Short circuit leads R and B.
		(ii)	Depress switch and note brilliance of both lamps.
		(iii)	Remove shorting medium.

5. The following Test is to be carried out on top and bottom switches.
Float Switch Test

5.1	Float switch.	(i)	Connect to magneto synchronizer (Table 1 Column 3).
		(ii)	Mount in test position (Table 1 Column 2).
5.2	Float.		Ensure in down position.

NB During Sub-items 5.3 to 5.7 inclusive magneto synchronizer switch is to be kept depressed.

5.3	Magneto synchronizer.	Depress switch.
5.4	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note:- A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.
5.5	Float arm.	Raise slowly and note angular position of arm when switch changes over.

Continued

SERVICING RECORD

Aircraft/Equipment
Ser No
Date:

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

5.6	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note:- A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.
5.7	Float arm.	Lower slowly and note angular position of arm when switch changes over. Note:- There is to be an appreciable angular difference between changeover positions of arm in Sub-items 5.5 and 5.7.
5.8	Magneto synchronizer.	(i) Release switch. (ii) Disconnect.
5.9	Top float switch.	Refit.

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue
3504100/153	Horizontal	N/A	12 o'clock	Y	R	-	-	Red

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
6.	Bonding Test						
6.1	Tank.	Using safety ohmmeter Mk 6 check resistance between all metal parts and external bonding socket does not exceed 0.05 ohms.					
7.	During this Item tank is to be suitably supported on cradles.						
	Leak Test						
7.1	Tank fuel and air connections.	Remove.					
7.2	Tank.	Fill with fuel to level of filler cap housing.					
7.3	Fuel connection.	Fit to test blank. (Fig.1).					
7.4	Adapter. (Fig.1).	Fit to tank air connection.					
7.5	Inflation valve and gauge.	Fit to adapter.					
7.6	Footpump.	Connect.					
7.7	Tank.	Pressurize to 1.034 bar. (15 lbf/in2).					
7.8	Footpump.	Disconnect.					
7.9	Tank.	(i) Ensure no leaks or loss of pressure over a period of 20 minutes. (ii) Release pressure.					
7.10	Adapter gauge and inflation valve.	Remove.					
7.11	Tank.	Drain.					
7.12	Test blank.	Remove.					
7.13	Tank fuel and air connections.	Refit.					
8.	Completion						
8.1	Connections.	Fit blanks.					
8.2	Locating spigots.	Coat with anti seize compound, (ZX-38).					
8.3	Documentation.	Complete.					

Continued

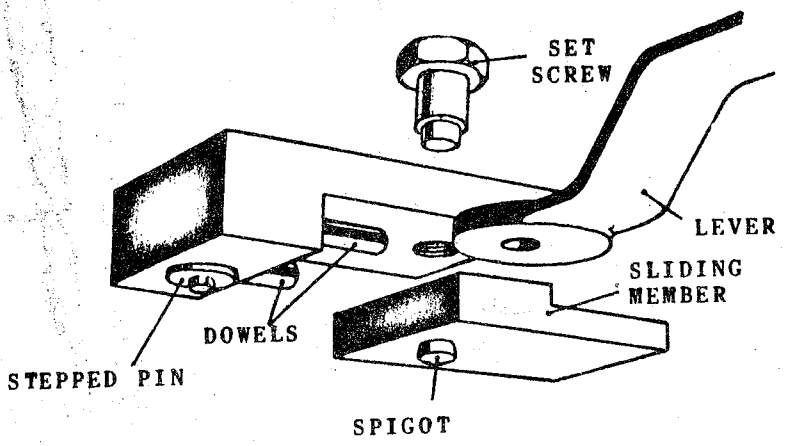


Fig. 1A Exploded view of special tool

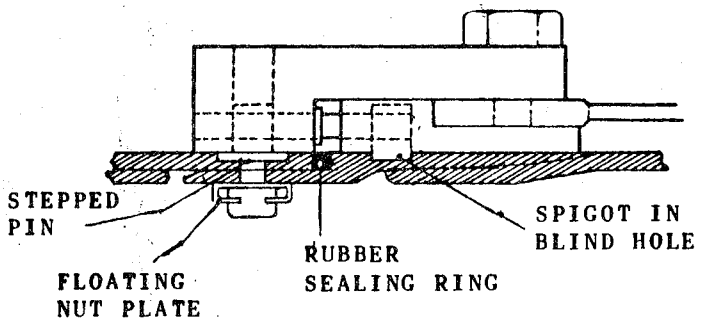


Fig. 1B Special tool in position

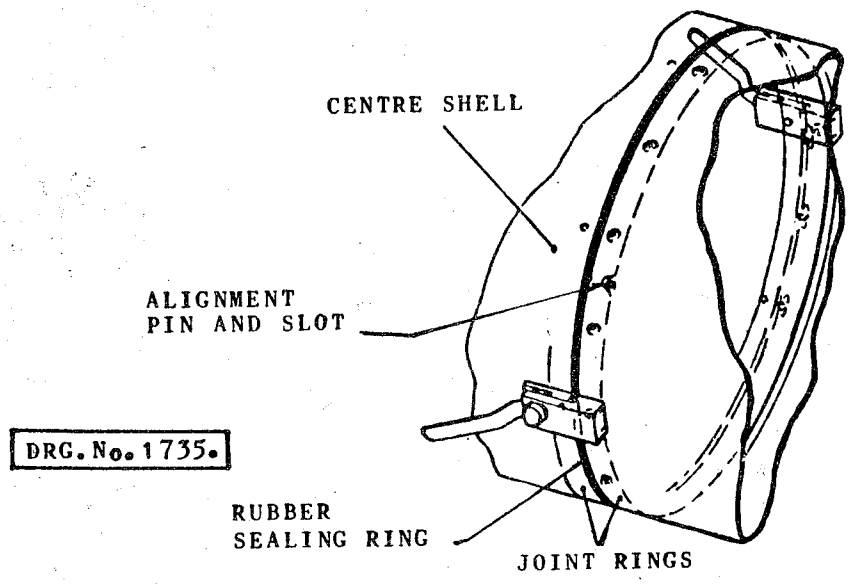


Fig. 1C Special tools as used when assembling

P.F.6.

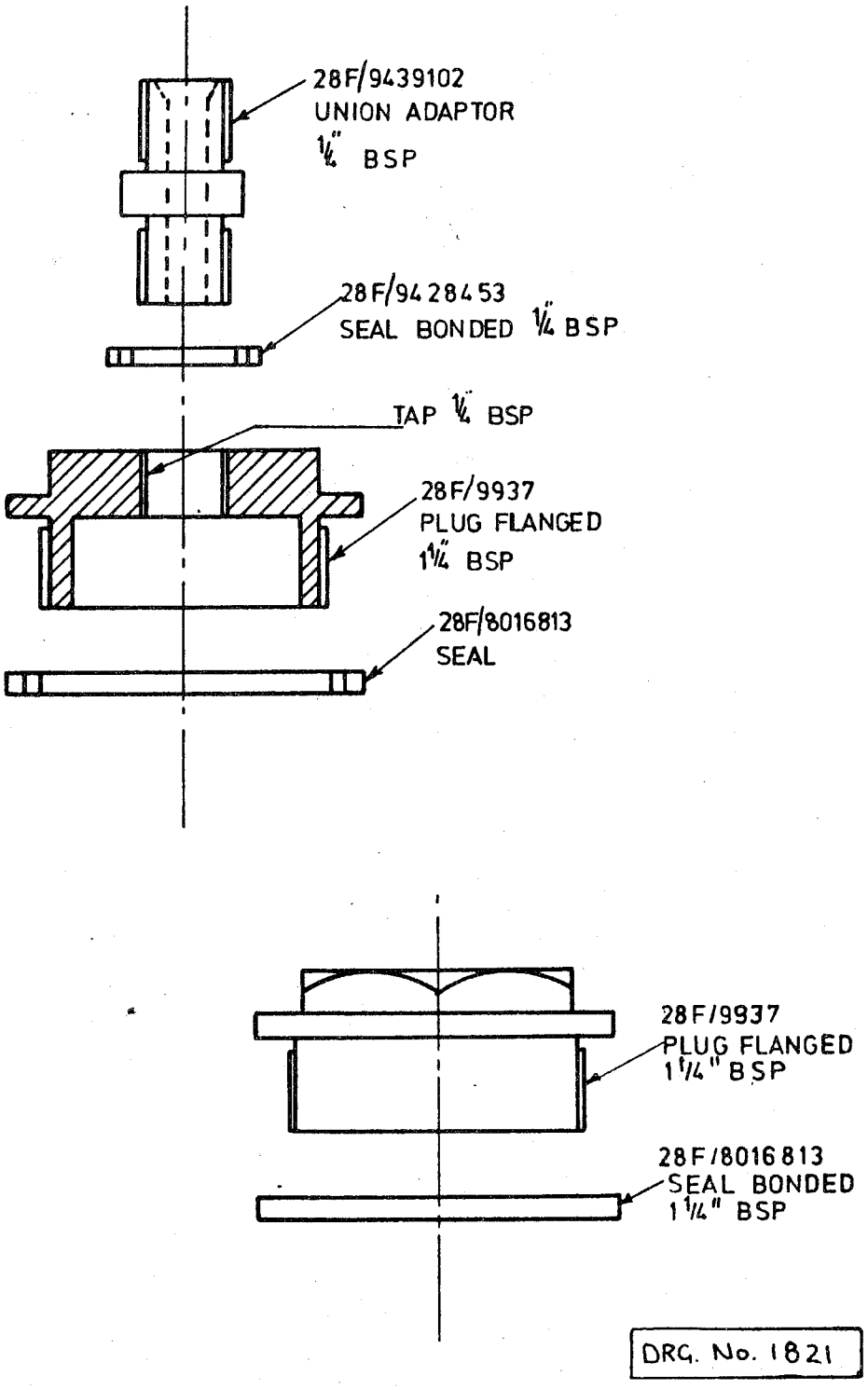


Fig. 2 Test adapter and blank

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR STORAGE
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 6

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR STORAGE
HUNTER ALL MARKS

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2, AP830, Vol 1/3, Pt 'A'.	1
5G/9156675	Resistance Tester, Type C.	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6.	1
1A/4661380	0-1 inch Micrometer.	1
1A/9100070	0-25mm Micrometer	1

	MATERIALS	NATO CODE NO.	
34B/2244966	Preservative Compound, PX-24	C-634	As required
34B/9100593	Inhibiting Oil, OX-275.	C-615	" "
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		" "

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

4. PX-24 Application. PX-24 provides temporary protection to metals against corrosion, although normally quite safe to use it can be dangerous if misused. The dangers are:

a. Aircraft surfaces are extremely slippery where PX-24 has been used.

b. PX-24 can interfere with the safe operation of certain systems. Do not apply to:

(1) Oxygen system components.

(2) Brake assemblies.

(3) Firewire couplings.

(4) Commutators, slip rings and brush gear of electrical machines.

(5) Clear vision panels.

(6) Non-metallic structural materials.

(7) Helicopter flotation bags.

(8) Dinghy packs.

(9) 'Black boxes' of all kinds.

(10) Cabin and cockpit equipment and furnishings eg,

(a) Safety harness.

(b) Seat fabrics.

(c) Instrument faces.

(d) Rudder pedals.

(e) Soundproofing.

P.F.6.

Continued overleaf

SAFETY PRECAUTIONS (Contd)

c. PX-24 also has an adverse effect on rubbers and plastics if prolonged contact is allowed. The carrier fluid and not the residual fluid, causes the deterioration after heavy application or immersion. After such applications the items should be rapidly and thoroughly cleaned. Experience shows however that after light accidental overspray the rapid evaporation of the carrier prevents significant damage.

d. PX-24 should not be deliberately sprayed onto bearing surfaces, but provided that it is applied as a thin film accidental overspray of normal aircraft bearings is acceptable. However, following the application of PX-24 to adjacent structure, recirculating ball screw jacks should be cleaned with white spirit, dried and re-lubricated.

e. Liquid PX-24 contains white spirit, a volatile petroleum based solvent which evaporates from spray or drying liquid. The solvent is highly inflammable.

f. When using PX-24 the following precautions are to be observed:

(1) Ensure good ventilation of working area.

(2) Do not inhale spray.

(3) Do not swallow PX-24 (If swallowed summon medical aid. Do not induce vomiting).

(4) Wash skin with soap and water immediately after use.

g. PX-24 should not normally be applied extensively to a matt external paint finish, because it will impart a sheen which will nullify the non-reflective property of the matt finish.

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR STORAGE
HUNTER ALL MARKS

SERVICING NOTES

1. Blanking of pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank.	Ensure drained.
1.5	Top float switch.	Remove.

2. Examination

2.1	Tank internal structure.	Examine as far as possible.
2.2	Tank external surfaces.	Examine.
2.3	Fin assembly.	
2.4	Locating spigots.	(i) Examine. (ii) Check diameter is not less than 1.232 cm (0.485 in).
2.5	Lifting lug.	Examine.
2.6	Fuel and air connections.	
2.7	Fuel and air connection seals.	

NB During Items 3 to 6 inclusive assistance of an Electrical tradesman is required.

3. Float Switches Resistance Check.

3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with floats in both positions resistance is not less than 20 Megohms.
3.2	Bottom float switch insulation between each pin and earth.	

4. Magneto Synchronizer Test

4.1	Magneto synchronizer.	(i) Short circuit leads R and B. (ii) Depress switch and note brilliance of both lamps. (iii) Remove shorting medium.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

				Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
				1	2	3	4	5
5.	The following Test is to be carried out on top and bottom switches. Float Switch Test							
5.1	Float switch.	(i) (ii)	Connect to magneto synchronizer (Table 1 Column 3). Mount in test position (Table 1 Column 2).					
5.2	Float.		Ensure in down position.					
NB	During Sub-items 5.3 to 5.7 inclusive magneto synchronizer switch is to be kept depressed.							
5.3	Magneto synchronizer.		Depress switch.					
5.4	Magneto synchronizer. lamps.		Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
5.5	Float arm.		Raise slowly and note angular position of arm when switch changes over.					
5.6	Magneto synchronizer lamps.		Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that notes in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
5.7	Float arm.		Lower slowly and note angular position of arm when switch changes over. Note: There is to be an appreciable angular difference between change over positions of arm in Sub-items 5.5 and 5.7.					
5.8	Magneto synchronizer.	(i) (ii)	Release switch. Disconnect.					
5.9	Top float switch.		Refit.					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Upper-most	N/A	A	B	C	Red	Blue
3504100/153	Horizontal	N/A	12 o'clock	Y	R	-	-	Red

6. Bonding Test

6.1 Tank. Using safety ohmmeter Mk 6 check that resistance between all external metal parts and the external bonding socket does not exceed 0.05 ohms.

7. Inhibiting

7.1 Tank. Cover internal metal parts with oil, (OX-275).

8. Completion

8.1 Connections. Fit blanks.

8.2 Exposed metal parts. Coat with preservative compound. (PX-24).

8.3 Documentation. Complete

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No
Date:

AIRFRAME
Sheet 1

100 GALLON DROP TANK
26FX/4241179
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 7

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Nil.	

	MATERIALS	NATO CODE NO.	
34B/2244966	Preservative Compound, PX-24.	C-634	As required

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0200-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

4. PX-24 Application. PX-24 provides temporary protection to metals against corrosion, although normally quite safe to use it can be dangerous if misused. The dangers are:

a. Aircraft surfaces are extremely slippery where PX-24 has been used.

b. PX-24 can interfere with the safe operation of certain systems. Do not apply to:

(1) Oxygen system components.

(2) Brake assemblies.

(3) Firewire couplings.

(4) Commutators, slip rings and brush gear of electrical machines.

(5) Clear vision panels.

(6) Non-metallic structural materials.

(7) Helicopter flotation bags.

(8) Dinghy packs.

(9) 'Black boxes' of all kinds.

(10) Cabin and cockpit equipment and furnishings eg,

(a) Safety harness.

(b) Seat fabrics.

(c) Instrument faces.

(d) Rudder pedals

(e) Soundproofing.

P.F.6.

Continued overleaf

SAFETY PRECAUTIONS (Contd)

c. PX-24 also has an adverse effect on rubbers and plastics if prolonged contact is allowed. The carrier fluid and not the residual fluid, causes the deterioration after heavy application or immersion. After such applications the items should be rapidly and thoroughly cleaned. Experience shows however that after light accidental overspray the rapid evaporation of the carrier prevents significant damage.

d. PX-24 should not be deliberately sprayed on to bearing surfaces, but provided that it is applied as a thin film accidental overspray of normal aircraft bearings is acceptable. However, following the application of PX-24 to adjacent structure, recirculating ballscrew jacks should be cleaned with white spirit, dried and re-lubricated.

e. Liquid PX-24 contains white spirit, a volatile petroleum based solvent which evaporates from spray or drying liquid. The solvent is highly inflammable.

f. When using PX-24 the following precautions are to be observed:

(1) Ensure good ventilation of working area.

(2) Do not inhale spray.

(3) Do not swallow PX-24 (If swallowed summon medical aid. Do not induce vomiting).

(4) Wash skin with soap and water immediately after use.

g. PX-24 should not normally be applied extensively to a matt external paint finish, because it will impart a sheen which will nullify the non-reflective property of the matt finish.

P.F.6A.

100 GALLON DROP TANK
26FX/4241179
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS

SERVICING NOTES

1. Cleanliness of Servicing Areas and Components. All areas in which servicing is carried out are to be clean. All components are to be cleaned before examination or lubrication. Lubrication is to be adequate but not excessive and all excess oil or grease is to be removed.

2. Blanking of pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

3. Electrical connections. Electrical leads, plugs and sockets, when disconnected are to be suitably and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

100 GALLON DROP TANK
26FX/4241179
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.	<u>Preparation</u>	
1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
2.	<u>Examination</u>	
2.1	Blanks.	Ensure fitted.
2.2	External surfaces.	Examine.
2.3	Exposed metal parts.	Coat with preservative compound, (PX-24).
3.	<u>Completion</u>	
3.1	Documentation.	Complete.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 8

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT FIT AFTER STORAGE
HUNTER ALL MARKS

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter to Scale A2, AP830, Vol 1/3, Pt 'A'.	1
5G/9156675	Resistance Tester, Type C	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/9437518	Anti Seize Compound, ZX-38.	S-722	" "
34C/9100454	Lead Free Gasoline.		" "

P.F.6.

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER ALL MARKS

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

P.F.6.

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER ALL MARKS

SERVICING NOTES

1. Blanking of Pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER ALL MARKS

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation.

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank.	(i) Drain off inhibiting oil. (ii) Flush with lead free gasoline.
1.5	Top float switch.	Remove.
1.6	Outstanding modifications.	Embody.
1.7	Special Technical Instructions.	Satisfy.
1.8	Servicing Instructions.	Carry out.

2. Examination

2.1	Tank internal surfaces.	Examine as far as possible.
2.2	Tank external surfaces.	Examine.
2.3	Fin assembly.	
2.4	Lifting lug.	
2.5	Fuel and air connections.	
2.6	Fuel and air connection seals.	
2.7	Locating spigots.	

NB During Items 3 to 6 inclusive assistance of an Electrical tradesman is required.

3. Float Switches Resistance Check.

3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with floats in both positions resistance is not less than 20 Megohms.
3.2	Bottom float switch insulation between each pin and earth.	

4. Magneto Synchronizer Test

4.1	Magneto synchronizer.	(i) Short circuit leads R and B. (ii) Depress switch and note brilliance of both lamps. (iii) Remove shorting medium.

Continued overleaf

100 GALLON DROP TANK
26FX/4241179
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER ALL MARKS

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
5.	The following Test is to be carried out on top and bottom switches. Float Switch Test						
5.1	Float switch.	(i) Connect to magneto synchronizer (Table 1 Column 3). (ii) Mount in test position (Table 1 Column 2).					
5.2	Float.	Ensure in down position.					
NB	During Sub-items 5.3 to 5.7 inclusive magneto synchronizer switch is to be kept depressed.						
5.3	Magneto synchronizer.	Depress switch.					
5.4	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
5.5	Float arm.	Raise slowly and note angular position of arm when switch changes over.					
5.6	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.					
5.7	Float arm.	Lower slowly and note angular position of arm when switch changes over. Note: There is to be an appreciable angular difference between changeover positions of arm in Sub-items 5.5 and 5.7					
5.8	Magneto synchronizer.	(i) Release switch. (ii) Disconnect.					
5.9	Top float switch.	Refit.					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue
3504100/153	Horizontal	N/A	12 o'clock	Y	R	-	-	Red

6. Bonding Test

6.1 Tank. Using safety ohmmeter Mk 6 check that resistance between all metal parts and the external bonding socket does not exceed 0.05 ohms.

7. Completion

7.1 Connections. Fit blanks.

7.2 Locating spigots. Coat with anti-seize compound, (ZX-38).

7.3 Documentation Complete.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No
Date:

AIRFRAME
Sheet 1

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INITIAL ASSEMBLY OF NEW TANK
HUNTER GA9
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 9

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INITIAL ASSEMBLY OF NEW TANK
HUNTER GA9

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2, AP830, Vol 1/3, Pt 'A'.	1
1C/9106493	Straight Edge.	1
4G/4310935	Footpump	1
4F/4229426	Gauge, Pressure	1
4G/4420526	Tool, Shell Assembly.	4
5G/9156675	Resistance Tester, Type C	1
5G/9018429	Safety Ohmmeter Mk 6	1
5G/1113	Magneto Synchronizer, Type A.	1
LM	Adaptor. Fig 3.	1
LM	Test Blank. Fig 3.	1
4F/1041538	Canopy Seal Inflator.	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/9437518	Anti Seize Compound, ZX-38.	S-722	" "

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test process or any operation involving the pouring of liquid or blowing of air the tank is to be bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

P.F.6.

SERVICING NOTES

1. Tank shells are to be assembled by two operators using only the special assembly tool provided.

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INITIAL ASSEMBLY OF NEW TANK
HUNTER GA9

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank shells and fin assembly.	(i) Remove from transit container. (ii) Examine.

2. Modification State.

2.1	Outstanding modifications.	Embody.
2.2	Special Technical Instructions.	Satisfy.
2.3	Servicing Instructions.	Carry out.

NB During Items 3 to 6 inclusive assistance of an Electrical tradesman is required.

3. Bonding Test

3.1	Nose shell.	Using safety ohmmeter Mk 6 check that resistance does not exceed 0.05 ohms between each metal component.
3.2	Centre shell.	
3.3	Rear shell.	

4. Float Switches Resistance Check.

4.1	Float switch insulation.	Using resistance tester Type C, check that with float in both positions resistance is not less than 20 Megohms.

5. Magneto Synchronizer Test

5.1	Magneto synchronizer.	(i) Short circuit leads R and B. (ii) Depress switch and note brilliance of both lamps. (iii) Remove shorting medium.

6. Float Switch Test.

6.1	Top float switch.	Remove.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

6. Float Switch Test (Contd)

6.2	Float switch.	(i) Connect to magneto synchronizer (Table 1 Column 3). (ii) Mount in test position (Table 1 Column 2).
6.3	Float.	Ensure in down position.

NB During Sub-items 6.4 to 6.8 inclusive magneto synchronizer switch is to be kept depressed.

6.4	Magneto synchronizer.	Depress switch.
6.5	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 5.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.
6.6	Float arm.	Raise slowly and note angular position of arm when switch changes over.
6.7	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparible to that noted in Sub-item 5.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or an open circuit is indicated.
6.8	Float arm.	Lower slowly and note angular position of arm when switch changes over. Note: There is to be an appreciable angular difference between changeover positions of arm in Sub-items 6.6 and 6.8.
6.9	Magneto synchronizer.	(i) Release switch. (ii) Disconnect.
6.10	Top float switch.	Refit.

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

6. Float Switch Test (Contd)

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Hole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue

7. Assembling

7.1 Sealing rings. Fit over forward and rear joint rings of centre shell.

7.2 Nose and centre shells. Align top seams.

7.3 Mechanical contents indicator.
- (i) Turn nose shell drive disc to bring slot to lower position.
- (ii) Ensure indicator registers 'EMPTY'.

7.4 Nose and centre shells.
- (i) Slide together ensuring centre shell float drive spigot entres slot of nose shell indicator disc.
- (ii) Fit tools, 4G/4420526. (4 off) to bottom and side positions of joint ring (Fig.1C).
- (iii) Apply pressure evenly to tool levers to close shells.
- (iv) Insert bolts with washers in available holes.
- (v) Remove tools.
- (vi) Insert bolts with washers in remaining holes.

7.5 Mechanical float switch. Operate by hand ensuring indicator corresponds to float position.

7.6 Rear and centre shells. Repeat Sub-item 7.4 Operations (i) to (vi) inclusive.

Continued overleaf

230 GALLON DROP TANK
26FX/4246823 ABD 26FX/11751
INITIAL ASSEMBLY OF NEW TANK
HUNTER GA9

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

8. During this item if bow exceeds 0.0762 cm (0.03 in) the tank is to be fitted to an aircraft and leak tested.
Bow Measurement

8.1 Reinforcing plate. (Fig 2).
(i) Using straight edge measure bow.
(ii) Record measurement in Tank Record Card.

9. During this Item assistance of an Electrical tradesman is required.
Bonding Test

9.1 Assembled tank. Using safety ohmmeter Mk 6 check that resistance between all external metal parts and external bonding socket does not exceed 0.05 ohms.

10. During this Item tank is to be suitably supported on cradles.
Bonding Test

10.1 Tank fuel and air connections. Remove.

10.2 Tank. Fill with fuel.

10.3 Fuel connection. Fit test blank. (Fig 3).

10.4 Adapter. (Fig 3). Fit to tank air connection.

10.5 Canopy seal inflator and gauge. Fit to adapter.

10.6 Footpump. Connect.

10.7 Tank. Pressurize to 0.896 bar (13 lbf/in2).

10.8 Footpump Disconnect.

10.9 Tank. Ensure no leaks or loss of pressure over a period of 20 minutes.

10.10 Adapter.
10.11 Canopy seal inflator and gauge. } Remove.

10.12 Tank. Drain.

10.13 Test blank. Remove.

10.14 Fuel and air connections. Refit.

Continued

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

11. Completion

11.1	Connections.	Fit blanks.
11.2	Locating spigots.	Coat with anti seize compound, (ZX-38).
11.3	Documentation.	Complete.

Continued

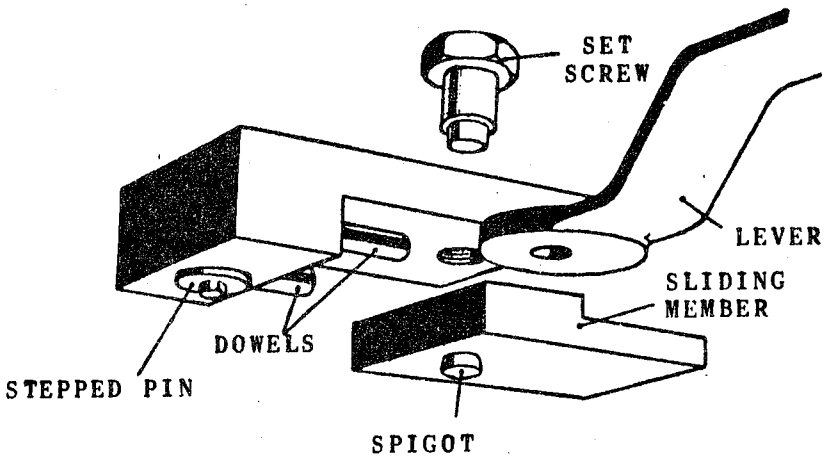


Fig.1A Exploded view of special tool

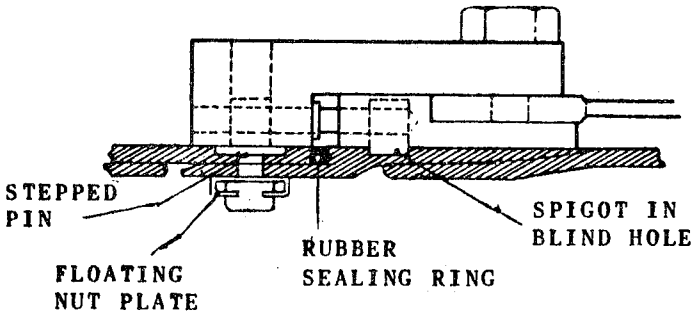


Fig.1B Special tool in position

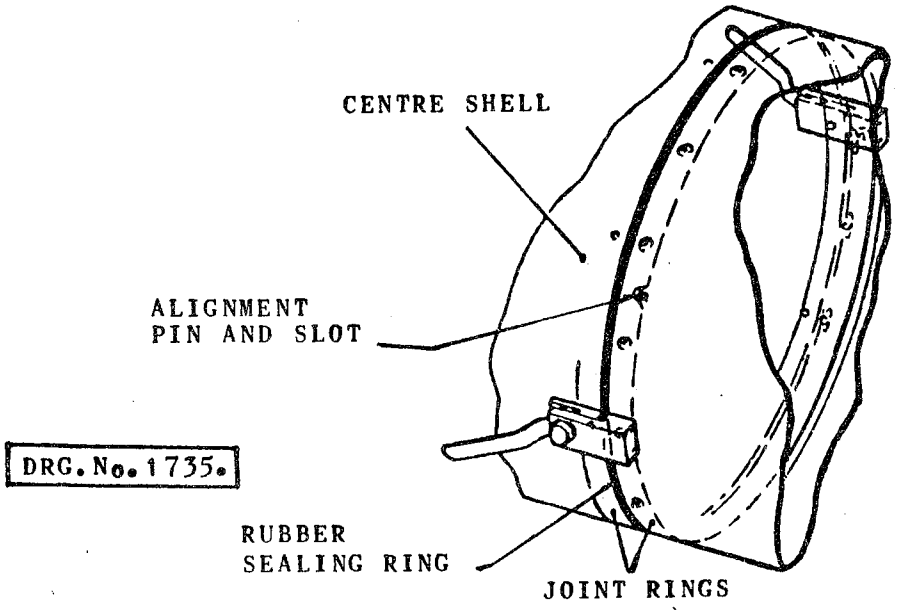


Fig.1C Special tools as used when assembling

P.F.6.

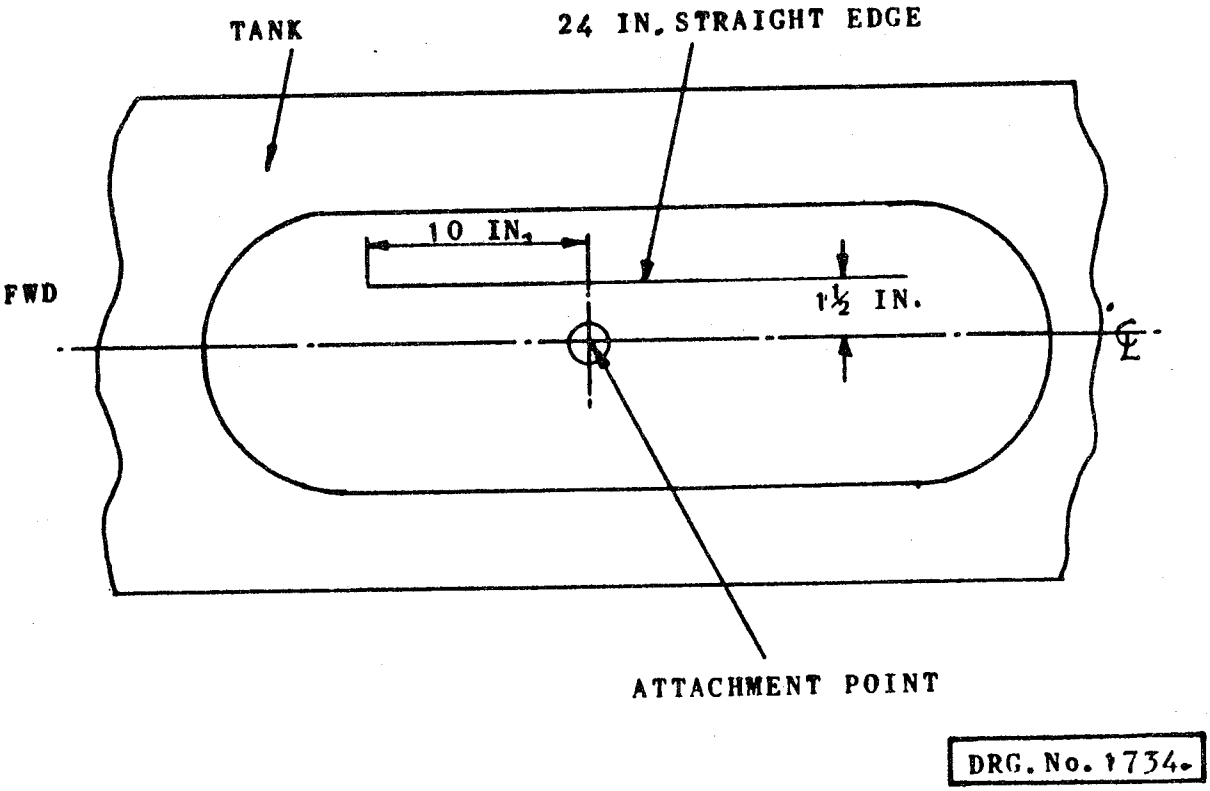


Fig. 2 Reinforcing plate

P.F.6.

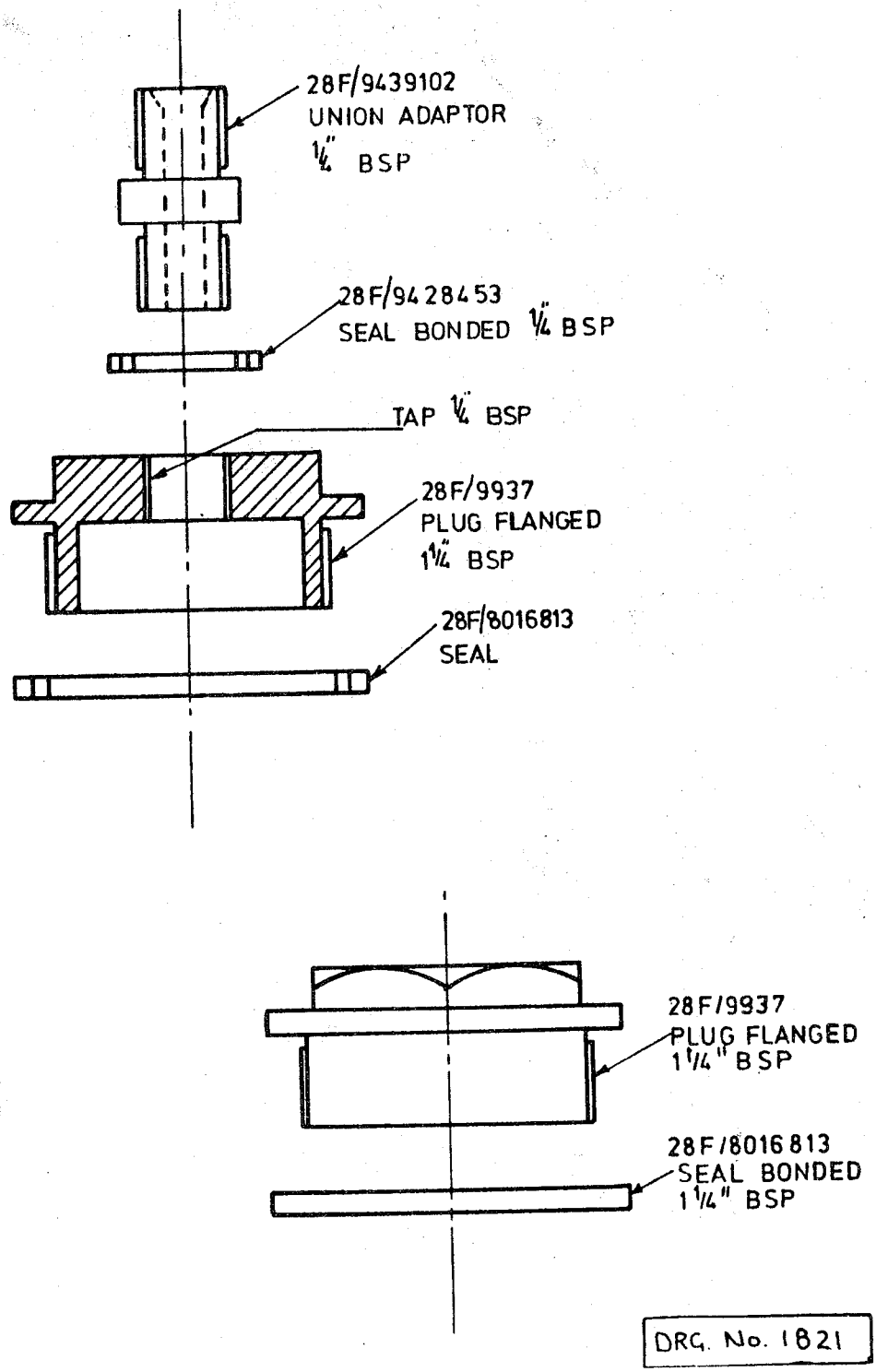


Fig.3 Test adapter and blank

P.F.6.

Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
ROUTINE BAY SERVICING
HUNTER GA9
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 10

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2, AP830 Vol 3, Pt 'A'.	1
1C/9106493	Straight Edge.	1
5G/9156675	Resistance Tester, Type C.	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6	1
1A/4661380	0-1 inch Micrometer.	1
1A/9100070	0-25 mm Micrometer.	1
4F/1041538	Canopy Seal Inflator.	1
LM	Test Adapter (Fig 3)	1
LM	Test Blank (Fig 3)	1
4G/4310935	Footpump	1
4G/4420526	Tool Shell Assembly	4
4F/4229426	Gauge Pressure	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/9437518	Anti Seize Compound, ZX-38 .	S-722	" "

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test processes or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

P.F.6.

SERVICING NOTES

1. Blanking of Pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank.	(i) Ensure drained. (ii) Support on cradle.
1.5	Rear shell.	Remove.
1.6	Float switch.	Remove from mounting.

2. Examination

2.1	Tank external structure.	Examine as far as possible.
2.2	Tank external surfaces.	Examine
2.3	Locating spigots.	(i) Examine. (ii) Check diameter is not less than 1.232 cm (0.485 in).
2.4	During this Sub-item if bow exceeds 0.0762 cm (0.03 in) tank is to be fitted to an aircraft and leak tested. Reinforcing plate. (Fig 2).	(i) Using straight edge measure bow. (ii) Record measurement on Tank Record Card.
2.5	Lifting lug.	Examine.
2.6	Fuel and air connections.	
2.7	Fuel and air connection seals.	
2.8	During this Sub-item rattling sounds from the tank indicate excessive wear in visual indicator level shaft bearings. Tank.	Rotate about longitudinal axis and ensure correct operation of visual level indicator.

NB During Items 3 to 5 inclusive assistance of an Electrical tradesman is required.

3. Float Switches Resistance Check

3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with float in both positions resistance is not less than 20 Megohms.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
4.	Magneto Synchronizer.	(i) Short circuit leads R and B. (ii) Operate switch and note brilliance of both lamps. (iii) Remove shorting medium.					
5.	Float Switch Test						
5.1	Float switch.	(i) Connect to magneto synchronizer (Table 1 Column 3). (ii) Mount in test position (Table 1 Column 2).					
5.2	Float.	Ensure in down position.					
NB	During Sub-items 5.3 to 5.7 inclusive magneto synchronizer switch is to be kept depressed.						
5.3	Magneto synchronizer.	Depress switch.					
5.4	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.5	Float arm.	Raise slowly and note angular position of arm when switch changes over.					
5.6	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.7	Float arm.	Lower slowly and note angular position of arm when switch changes over. Note: There is to be an appreciable angular difference between changeover positions of arm in Sub-items 5.5 and 5.7.					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

5.8	Magneto synchronizer.	(i)	Release switch.
		(ii)	Disconnect.
5.9	Float switch.		Refit.

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue

6. Assembling

6.1	Rear and centre shells.	(i)	Slide together.
		(ii)	Fit tools 4G/4420526 (4 off) to bottom and side positions of joint rings (Fig 1C).
		(iii)	Apply pressure evenly to tool levers to close shells.
		(iv)	Insert bolts with washers in available holes.
		(v)	Remove tools.
		(vi)	Insert bolts with washers in remaining holes.

7. During this Item assistance of an Electrical tradesman is required.
Bonding Test.

7.1	Assembled Tank.	Using safety ohmmeter Mk 6 check resistance between all external metal parts and external bonding socket does not exceed 0.05 ohms.

8. During this Item tank is to be suitably supported on cradles.
Leak Test.

8.1	Tank fuel and air connections.	Remove.
8.2	Tank.	Fill with fuel.
8.3	Fuel Connection.	Fit test blank. (Fig 3).

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
8.	Leak Test (Contd)						
8.4	Adapter. (Fig 3).	Fit to tank air connection.					
8.5	Canopy seal inflator and gauge.	Fit to adapter.					
8.6	Footpump.	Connect.					
8.7	Tank.	Pressurize to 0.896 bar (13 lbf/in2).					
8.8	Footpump.	Disconnect.					
8.9	Tank.	Ensure no leaks or loss of pressure over a period of 20 minutes.					
8.10 8.11	Adapter Canopy seal Inflator and gauge.	Remove.					
8.12	Tank.	Drain.					
8.13	Test blank.	Remove.					
8.14	Fuel and air Connections.	Refit.					
9.	Completion.						
9.1	Locating spigots.	Coat with anti-seize compound, (ZX-38).					
9.2	Connections.	Fit blanks.					
9.3	Documentation.	Complete.					

Continued

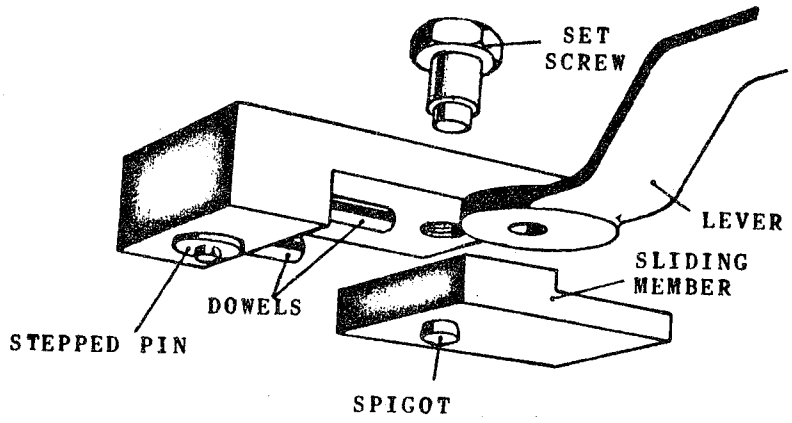


Fig. 1A Exploded view of special tool

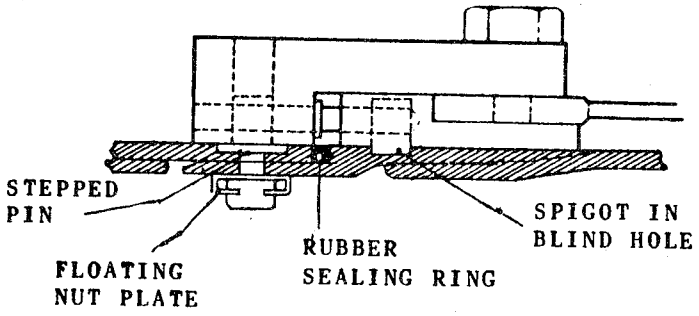


Fig. 1B Special tool in position

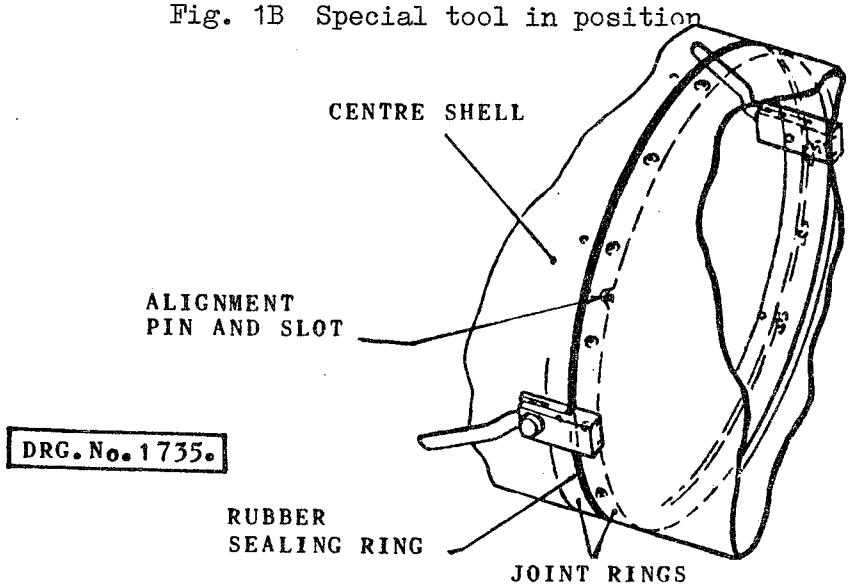


Fig. 1C Special tools as used when assembling

P.F.6.

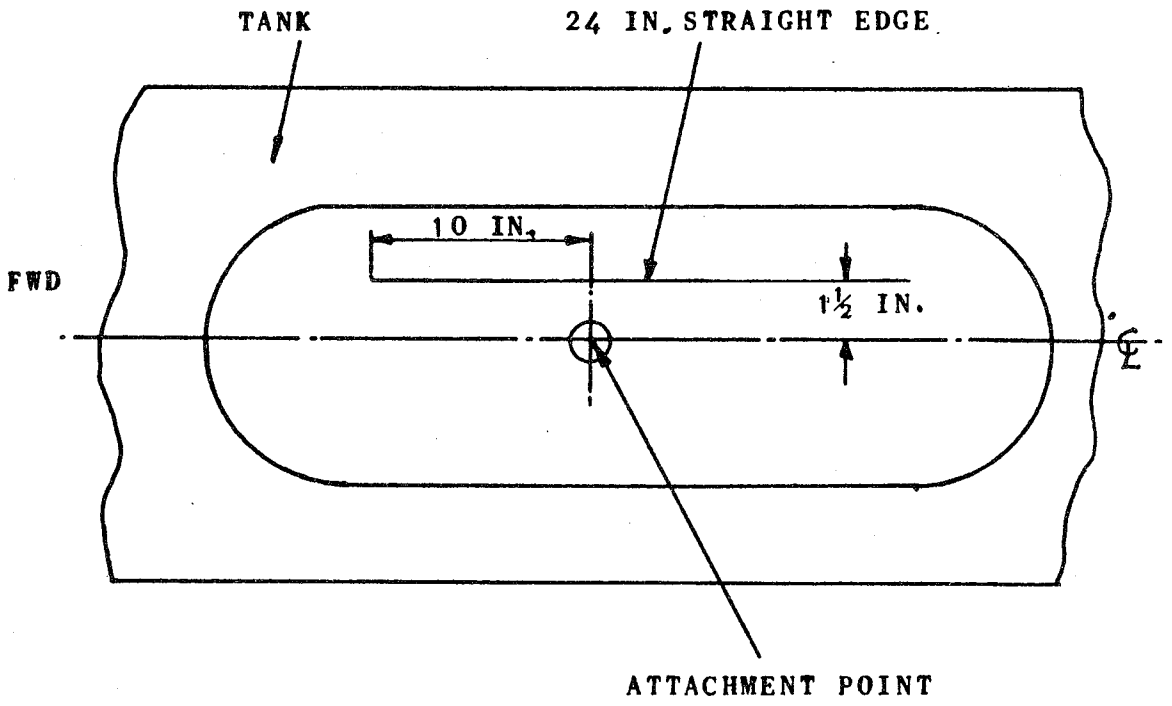


Fig. 2 Reinforcing plate

P.F.6.

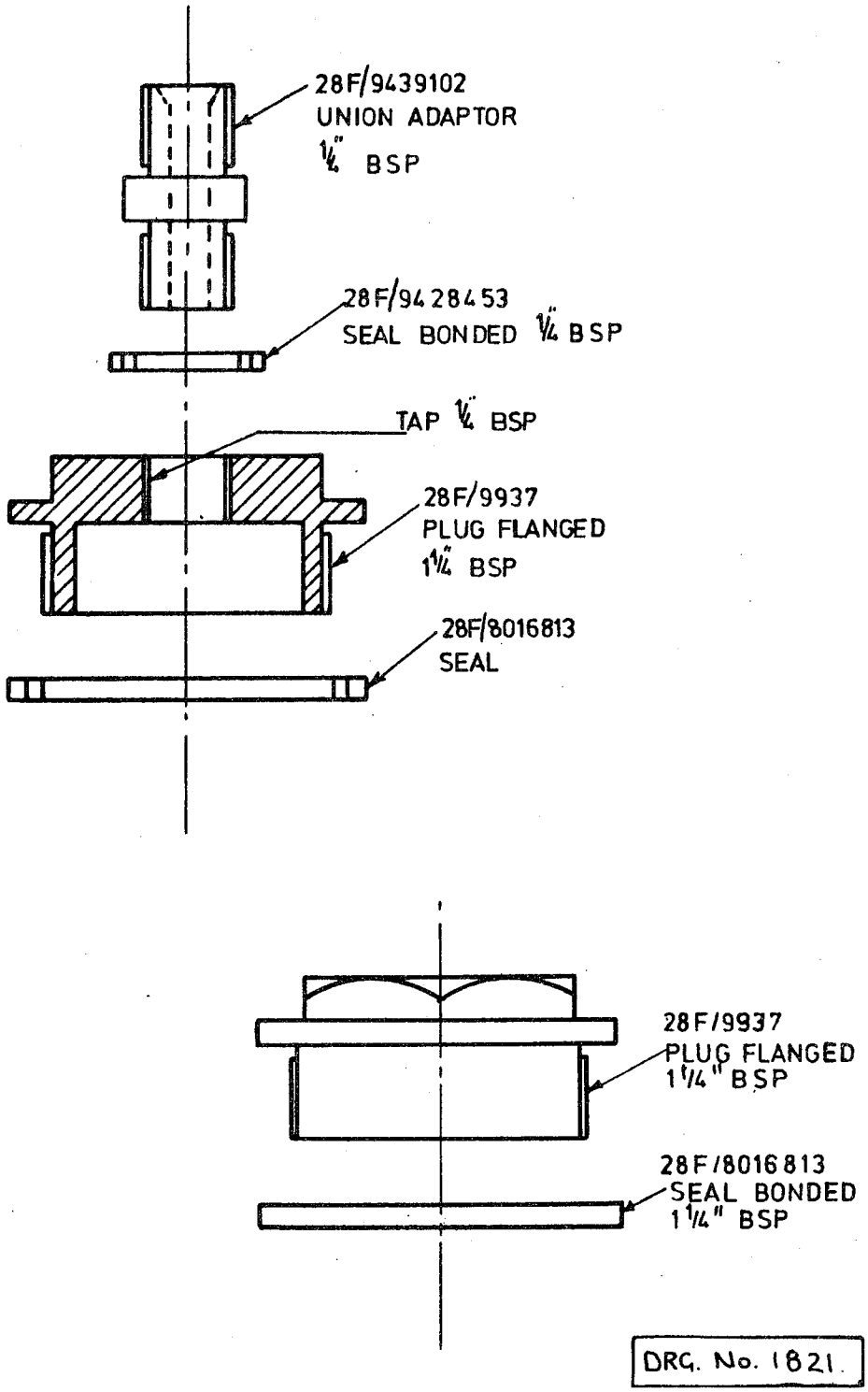


Fig. 3 Test adapter and blank

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR STORAGE
HUNTER GA9
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 11

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2, AP830, Vol 3, Pt 'A'	1
1C/9106493	Straight Edge.	1
5G/9156675	Resistance Tester, Type C	1
5G/1113	Magneto Synchronizer, Type A	1
5G/9018429	Safety Ohmmeter Mk 6	1
1A/6441380	0-1 inch Micrometer	1
1A/9100070	0-25 mm Micrometer	1
4F/1041538	Canopy Seal Inflator	1
LM	Test Adapter. (Fig 3)	1
LM	Test Blank. (Fig 3).	1
4G/4310935	Footpump	1
4G/4420526	Tool Shell Assembly	4
4F/4229426	Gauge Pressure	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34B/2244966	Preservative Compound, PX-24	C-634	" "
34B/9100593	Inhibiting Oil, OX-275	C-615	" "

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test process or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precaution for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this Chapter.

4. PX-24 Application. PX-24 provides temporary protection to metals against corrosion, although normally quite safe to use it can be dangerous if misused. The dangers are:

a. Aircraft surfaces are extremely slippery where PX-24 has been used.

b. PX-24 can interfere with the safe operation of certain systems. Do not apply to:

(1) Oxygen system components.

(2) Brake assemblies.

(3) Firewire couplings.

(4) Commutators, slip rings and brush gear of electrical machines.

(5) Clear vision panels.

(6) Non-metallic structural materials.

(7) Helicopter flotation bags.

(8) Dinghy packs.

(9) 'Black boxes' of all kinds.

(10) Cabin and cockpit equipment and furnishings eg,

(a) Safety harness.

(b) Seat fabrics.

(c) Instrument faces.

(d) Rudder pendls.

(e) Soundproofing.

Continued overleaf

P.F.6.

SAFETY PRECAUTIONS (Contd)

c. PX-24 also has an adverse effect on rubbers and plastics if prolonged contact is allowed. The carrier fluid and not the residual fluid, causes the deterioration after heavy application or immersion. After such applications the items should be rapidly and thoroughly cleaned. Experience shows however that after light accidental overspray the rapid evaporation of the carrier prevents significant damage.

d. PX-24 should not be deliverately sprayed on to bearing surfaces, but provided that it is applied as a thin film accidental overspray of normal aircraft bearings is acceptable. However, following the application of PX-24 to adjacent structure, recirculating ballscrew jacks should be cleaned with white spirit, dried and re-lubricated.

e. Liquid PX-24 contains white spirit, a volatile petroleum based solvent which evaporates from spray or drying liquid. The solvent is highly inflammable.

f. When using PX-24 the following precautions are to be observed:

(1) Ensure good ventilation of working area.

(2) Do not inhale spray.

(3) Do not swallow PX-24 (If swallowed summon medical aid. Do not induce vomiting).

(4) Wash skin with soap and water immediately after use.

g. PX-24 should not normally be applied extensively to a matt external paint finish, because it will impart a sheen which will nulify the non-reflective property of the matt finish.

P.F.6A.

SERVICING NOTES

1. Blanking of pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected agains the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

SERVICING RECORD

Aircraft/Equipment
Ser No
Date:

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Tank.	(i) Ensure drained. (ii) Support in cradle.
1.5	Rear shell.	Remove.
1.6	Float switch.	Remove from mounting.

2. Examination

2.1	Tank external structure.	Examine as far as possible.
2.2	Tank external surfaces.	Examine.
2.3	Locating spigots.	(i) Examine. (ii) Check diameter is not less than 1.232 cm (0.485 in).
2.4	During this Sub-item if bow exceeds 0.0762 cm (0.03 in) tank is to be fitted to aircraft and leak tested. Reinforcing plate. (Fig 2).	(i) Using straight edge measure bow. (ii) Record measurement on Tank Record Card.
2.5 2.6 2.7	Lifting lug. Fuel and air connection. Fuel and air connection seals.	Examine.
2.8	During this Sub-item rattling sounds from the tank indicate excessive wear in visual indicator level shaft bearings. Tank.	Rotate about longitudinal axis and ensure correct operation of visual level indicator.

NB During Items 3 to 5 inclusive assistance of an Electrical tradesman is required.

3. Float Switch Resistance Check.

3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with float in both positions resistance is not less than 20 Megohms.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

				Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
				1	2	3	4	5
4.	Magneto Synchronizer Test							
4.1	Magneto synchronizer.	(i)	Short circuit leads R and B.					
		(ii)	Operate switch and note brilliance of both lamps.					
		(iii)	Remove shorting medium.					
5.	Float Switch Test							
5.1	Float switch.	(i)	Connect to magneto synchronizer (Table 1 Column 3).					
		(ii)	Mount in test position (Table 1 Column 2).					
5.2	Float.		Ensure in down position.					
NB	During Sub-items 5.3 to 5.7 inclusive magneto synchronizer switch is to be kept depressed.							
5.3	Magneto synchronizer.		Depress switch.					
5.4	Magneto synchronizer lamps.		Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.5	Float arm.		Raise slowly and note angular position of arm when switch changes over.					
5.6	Magneto synchronizer lamps.		Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (11). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.7	Float arm.		Lower slowly and note angular position of arm when switch changes over. Note: There is to be an appreciable angular difference between changeover positions of arm in Sub-items 5.5 and 5.7					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

5.8	Magneto synchronizer.	(i)	Release switch.
		(ii)	Disconnect.
5.9	Float switch.		Refit.

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connection			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue

6. Assembling

6.1	Rear and centre shells.	(i)	Slide together.
		(ii)	Fit tools 4G/4420526 (4 off) to bottom and side positions of joint rings. (Fig 1).
		(iii)	Apply pressure evely to tool levers to close shells.
		(iv)	Insert bolts with washers in available holes.
		(v)	Remove tools.
		(vi)	Insert bolts with washers in remaining holes.

7. During this Item assistance of an Electrical tradesman is required.
Bonding Test

7.1	Assembled tank.	Using safety ohmmeter Mk 6 check resistance between all external metal parts and external bonding socket does not exceed 0.05 ohms.

8. During this Item tank is to be suitably supported on cradles.
Leak Test

8.1	Tank fuel and air connections.	Remove.
8.2	Tank.	Fill with fuel.
8.3	Fuel connection.	Fit test blank. (Fig 3).

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
8.	Leak Test (Contd)						
8.4	Adaptor (Fig 3).	Fit to tank air connection.					
8.5	Canopy seal inflator and gauge.	Fit to adapter.					
8.6	Footpump.	Connect.					
8.7	Tank.	Pressurize to 0.896 bar. (13lbf/in2).					
8.8	Footpump.	Disconnect.					
8.9	Tank.	Ensure no leaks or loss of pressure over a period of 20 minutes.					
8.10	Adapter.	Remove.					
8.11	Canopy seal inflator gauge.						
8.12	Tank.	Drain.					
8.13	Test blank.	Remove.					
8.14	Fuel and air connections.	Refit.					
9.	Inhibiting						
9.1	Tank.	Cover internal metal surfaces with oil. (OX-275).					
10.	Completion						
10.1	Locating spigots.	Coat with anti-seize compound, (ZX-38).					
10.2	Connections.	Fit blanks.					
10.3	Documentation.	Complete.					

Continued

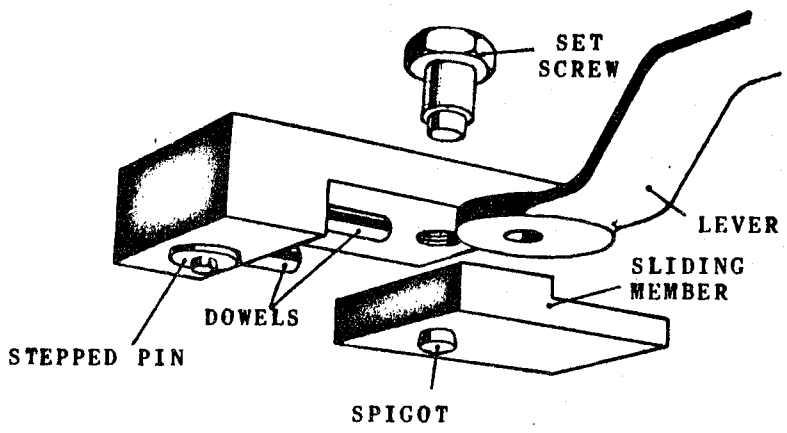


Fig. 1A Exploded view of special tool

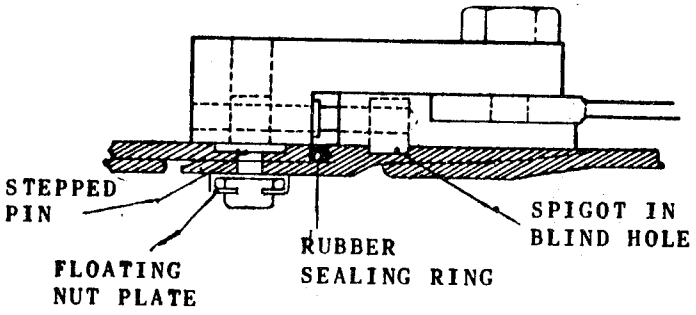


Fig. 1B Special tool in position

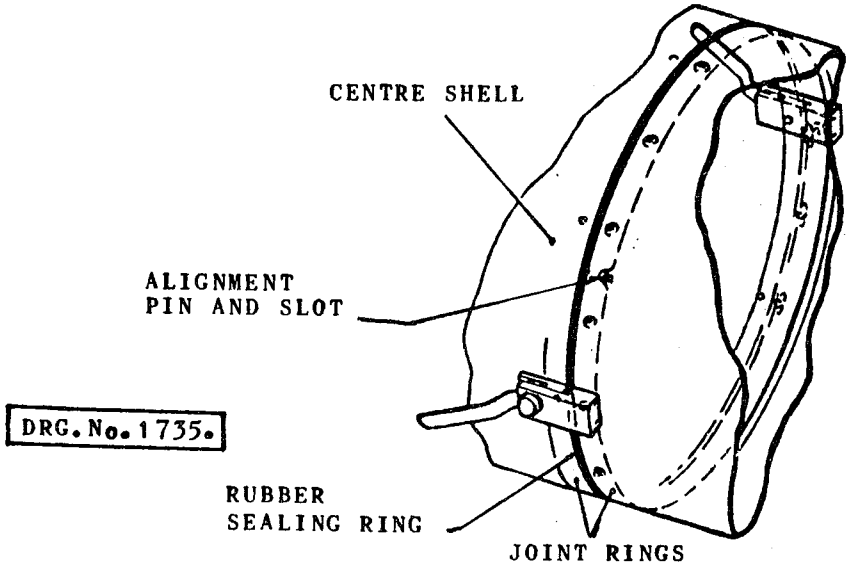


Fig. 1C Special tools as used when assembling

P.F.6.

Continued

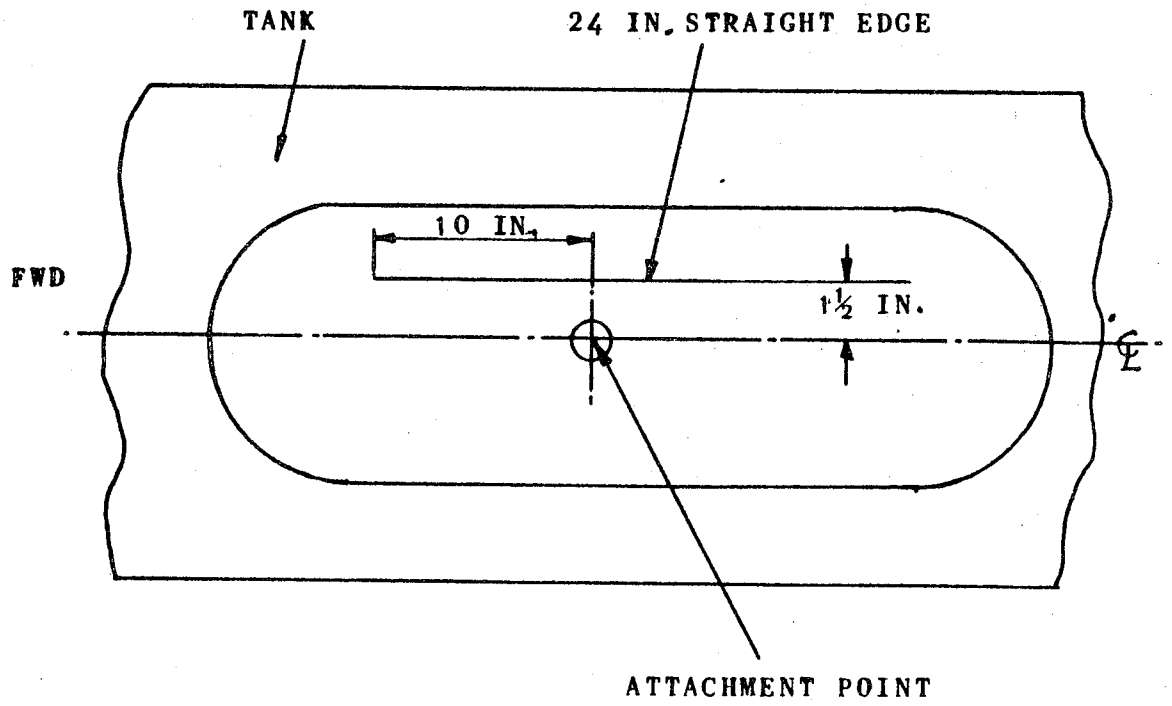
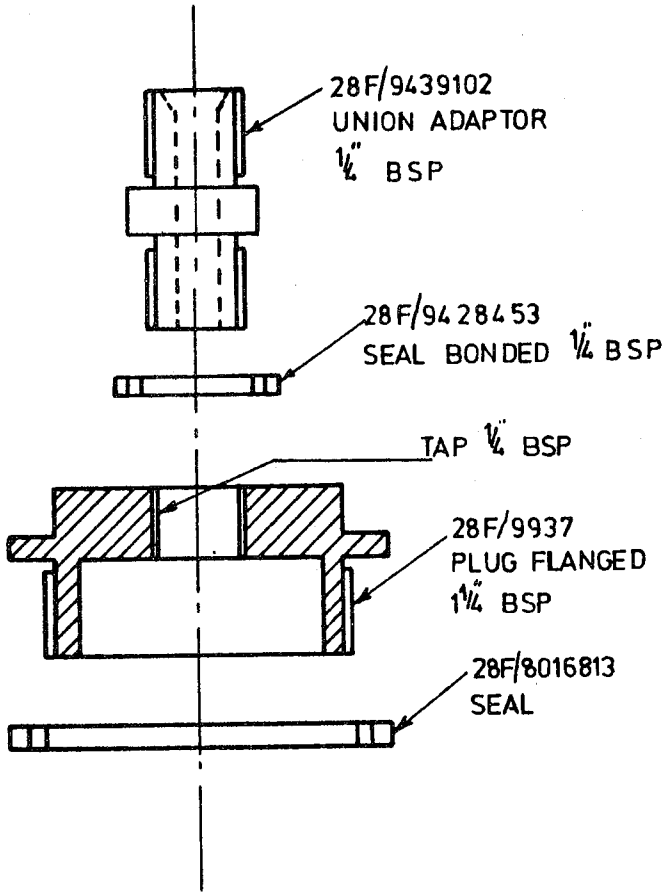


Fig. 2 Reinforcing plate

P.E.6.



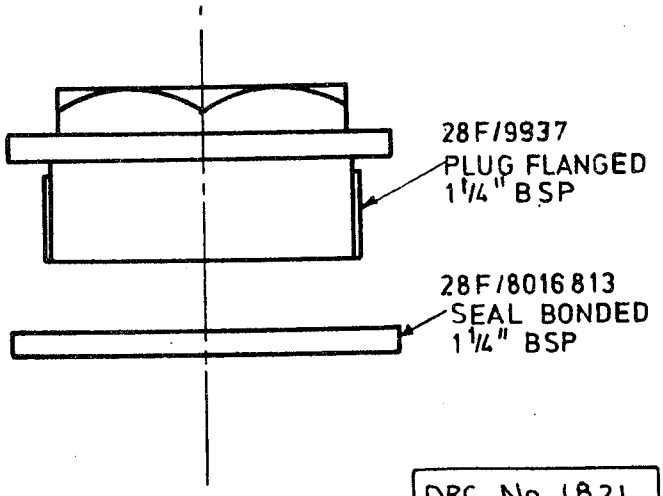


Fig. 3 Test adapter and blank

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 12

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
Nil		

	MATERIALS	NATO CODE NO.	
34B/2244966	Preservative Compound, PX-24.	C-634	As required

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test process or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line which may be in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this chapter.

4. PX-24 Application. PX-24 provides temporary protection to metals against corrosion, although normally quite safe to use it can be dangerous if misused. The dangers are:

a. Aircraft surfaces are extremely slippery where PX-24 has been used.

b. PX-24 can interfere with the safe operation of certain systems. Do not apply to:

(1) Oxygen system components.

(2) Brake assemblies.

(3) Firewire couplings.

(4) Commutators, slip rings and brush gear of electrical machines.

(5) Clear vision panels.

(6) Non-metallic structural materials.

(7) Helicopter flotation bags.

(8) Dinghy packs.

(9) 'Black boxes' of all kinds.

(10) Cabin and cockpit equipment and furnishings eg,

(a) Safety harness.

(b) Seat fabrics.

(c) Instrument faces.

(d) Rudder pedals.

(e) Soundproofing.

P.F.6.

Continued overleaf

c. PX-24 also has an adverse effect on rubbers and plastics if prolonged contact is allowed. The carrier fluid and not the residual fluid, causes the deterioration after heavy application or immersion. After such applications the items should be rapidly and thoroughly cleaned. Experience shows however that after light accidental overspray the rapid evaporation of the carrier prevents significant damage.

d. PX-24 should not be deliberately sprayed on to bearing surfaces, but provided that it is applied as a thin film accidental overspray of normal aircraft bearings is acceptable. However, following the application of PX-24 to adjacent structure, recirculating ballscrew jacks should be cleaned with white spirit, dried and re-lubricated.

e. Liquid PX-24 contains white spirit, a volatile peroleum based solvent which evaporates from spray or drying liquid. The solvent is highly inflammable.

f. When using PX-24 the following precautions are to be observed:

(1) Ensure good ventilation of working area.

(2) Do not inhale spray.

(3) Do not swallow PX-24 (If swallowed summon medical aid. Do not induce vomiting).

(4) Wash skin with soap and water immediately after use.

g. PX-24 should not normally be applied extensively to a matt external paint finish, because it will impart a sheen which will nullify the non-reflective property of the matt finish.

SERVICING NOTES

1. Cleanliness of Servicing Areas and Components. All areas in which servicing is carried out are to be clean. All components are to be cleaned before examination or lubrication. Lubrication is to be adequate but not excessive and all excess oil or grease is to be removed.

2. Blanking of pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

3. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 5

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
INSPECTION WHILE IN STORAGE
HUNTER ALL MARKS

AP101B-1300-5F
Sect 1
Chap 12

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.	**Preparation**	
1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
2.	**Examination**	
2.1	Blanks.	Ensure secure.
2.2	External surfaces.	Examine.
2.3	Exposed metal parts.	Coat with preservative compound, (PX-24).
3.	**Completion**	
3.1	Documentation.	Complete.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9
SUPPLEMENTARY SERVICING

AP011B-1300-5E
Sect 1
Chap 13

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials	AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY
1	2	3	4	5					

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9

EQUIPMENT AND TOOLS

Reference	Nomenclature	Qty
	Kits, Tool, Airframe Fitter, to Scale A2., AP830, Vol 3, Pt 'A'.	1
5G/9156675	Resistance Tester, Type C.	1
5G/1113	Magneto Synchronizer, Type A.	1
5G/9018429	Safety Ohmmeter Mk 6.	1
4F/1041538	Canopy Seal Inflator.	1
LM	Test Adapter (Fig 2).	1
LM	Test Blank (Fig 2).	1
4G/4310935	Footpump.	1
4G/4420526	Tool Shell Assembly.	4
4F/4229426	Gauge Pressure.	1

	MATERIALS	NATO CODE NO.	
30A/9437135	Wire Locking, Chromium Nickel, 0.711 mm (22 SWG).		As required
34C/9100454	Lead Free Gasoline.		"
34B/9437518	Anti Seize Compound, ZX-38.	S-722	"

P.F.6.

SAFETY PRECAUTIONS

1. As soon as the tank is removed from the aircraft it is to be bonded to earth. Throughout any repair or test process or any operation involving the pouring of liquid or blowing of air the tank is to remain bonded to earth and to any container or air line in use. Tanks on transportation trolleys are also to be bonded to the trolley and the trolley to earth.

2. Safety Precautions for aircraft fuel tanks are contained in AP106B-0002-1.

3. AP106B-0001-5F is to be complied with throughout the work detailed in this chapter.

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9

SERVICING NOTES

1. Blanking of Pipelines. The open ends of disconnected pipelines are to be blanked off to prevent excessive fluid spillage and/or ingress of other material.

2. Electrical Connections. Electrical leads, plugs and sockets, when disconnected are to be suitably insulated and also protected against the ingress of moisture and/or other matter, using polythene bags (32B/1255315-1255318) and secured to prevent damage.

P.F.6.

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.	**Preparation**	
1.1 1.2 1.3	Introduction. Safety Precautions. Servicing Notes.	Read.
1.4	Tank.	(i) Drain inhibiting oil. (ii) Flush with lead free gasoline. (iii) Support on cradle.
1.5	Rear shell.	Remove.
1.6	Float switch.	Remove from mounting.
2.	**Examination**	
2.1	Tank internal structure.	Examine as far as possible.
2.2 2.3 2.4 2.5 2.6	Tank external surface. Locating spigots. Lifting lug. Fuel and air connections. Fuel and air connection seals.	Examine.
2.7	During this Sub-item rattling sounds from the tank indicate excessive wear in visual indicator level shaft bearings. Tank.	Rotate about longitudinal axis and ensure correct operation of visual level indicator.
NB	During Items 3 to 5 inclusive assistance of an Electrical tradesman is required.	
3.	**Float Switches Resistance Check**	
3.1	Top float switch insulation between each pin and earth.	Using resistance tester Type C check that with float in both positions resistance is not less than 20 Megohms.
4.	**Magneto Synchronizer Test**	
4.1	Magneto synchronizer	(i) Short circuit leads R and B. (ii) Operate switch and note brilliance of both lamps. (iii) Remove shorting medium.

Continued overleaf

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

			Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
			1	2	3	4	5
5.	Float Switch Test						
5.1	Float switch.	(i) Connect to magneto synchronizer (Table 1 Column 3). (ii) Mount in test position (Table 1 Column 2).					
5.2	Float.	Ensure in down position.					
NB	During Sub-items 5.3 to 5.7 inclusive magneto synchronizer is to be kept depressed.						
5.3	Magneto synchronizer.	Depress switch.					
5.4	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.5	Float arm.	Raise slowly and not angular position of arm when switch changes over.					
5.6	Magneto synchronizer lamps.	Ensure correct operation (Table 1 Column 4) and brilliance is comparable to that noted in Sub-item 4.1 Operation (ii). Note: A dim or intermittent light indicates a high resistance or faulty contact. If lamp fails to light a high resistance or open circuit is indicated.					
5.7	Float arm.	Lower slowly and not angular position of arm when switch changes over. Note: There is to be an appreciable difference between changeover positions of arm in Sub-items 5.5 and 5.7.					
5.8	Magneto synchronizer.	(i) Release switch. (ii) Disconnect.					
5.9	Float switch.	Refit.					

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

5. Float Switch Test (Contd)

TABLE 1

Column 1	Column 2			Column 3			Column 4	
Part No. of Float Switch	Test Mounting Position			Magneto Synchronizer Tester Connections			Synchronizer Lamp on Test	
	Flange Position	4 Pole Plug Leads or Terminal Block	Float Stop Position	Y	R	B	Down	Up
3504100/13	Horizontal	Uppermost	N/A	A	B	C	Red	Blue

6. Assembling

6.1 Rear and centre

(i) Slide together.
(ii) Fit tools 4G/4420526 (4 off) to bottom and side positions of joint rings. (Fig.1C).
(iii) Apply pressure evenly to tool levers to close shells.
(iv) Insert bolts with washers in available holes.
(v) Remove tools.
(vi) Insert bolts with washers in remaining holes.

7. During this Item assistance of an Electrical tradesman is required.

Bonding Test

7.1 Assembled tank. Using safety ohmmeter Mk 6 check resistance between all external metal parts and external bonding socket does not exceed 0.05 ohms.

8. During this Item tank is to be suitably supported on cradles.

Leak Test

8.1 Tank fuel and air connections. Remove.

8.2 Tank. Fill with fuel.

8.3 Fuel connection. Fit test blank. (Fig 2).

8.4 Adapter. (Fig 2). Fit to tank air connection.

Continued overleaf

SERVICING RECORD

Aircraft/Equipment
Ser No.
Date:

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

8.5	Canopy seal inflator and gauge.	Fit to adapter.
8.6	Footpump.	Connect.
8.7	Tank.	Pressurize to 1.034 bar. (15 lbf/in2).
8.8	Footpump.	Disconnect.
8.9	Tank.	Ensure no leaks or loss of pressure over a period of 20 minutes.
8.10 8.11	Adapter. Canopy seal inflator and gauge.	Remove.
8.12	Tank.	Drain.
8.13	Test blank.	Remove.
8.14	Fuel and air connections.	Refit.

9. Completion

9.1	Locating spigots	Coat with anti-seize compound, (ZX-38).
9.2	Connections.	Fit blanks.
9.3	Documentation.	Complete.

Continued

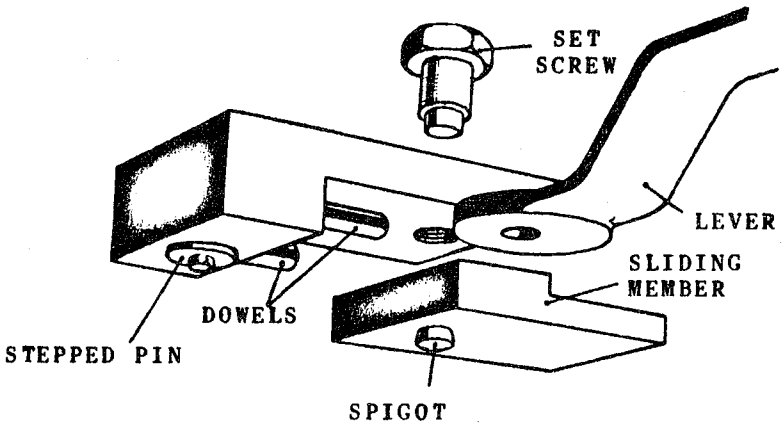


Fig.1A Exploded view of special tool

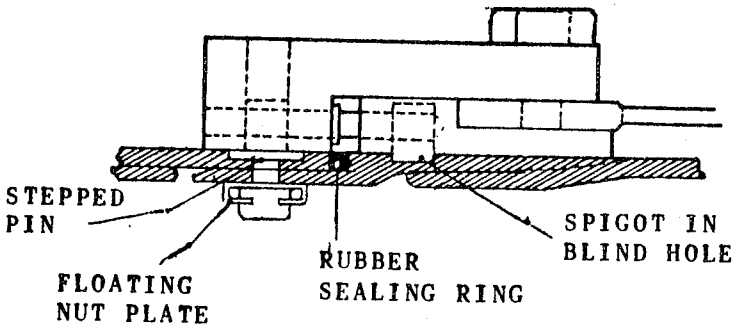


Fig.1B Special tool in position

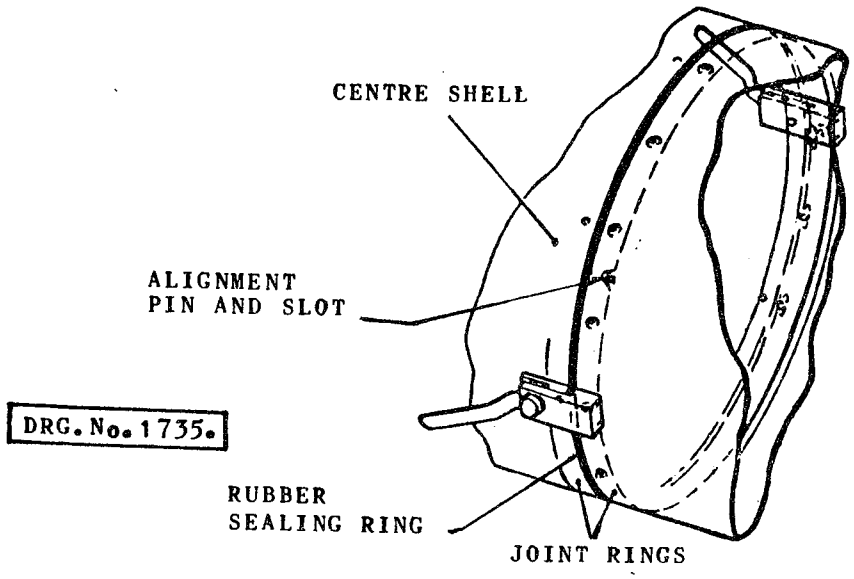


Fig.1C Special tools as used when assembling

P.F.6.

230 GALLON DROP TANK
26FX/4246823 AND 26FX/11751
PREPARATION FOR AIRCRAFT
FIT AFTER STORAGE
HUNTER GA9

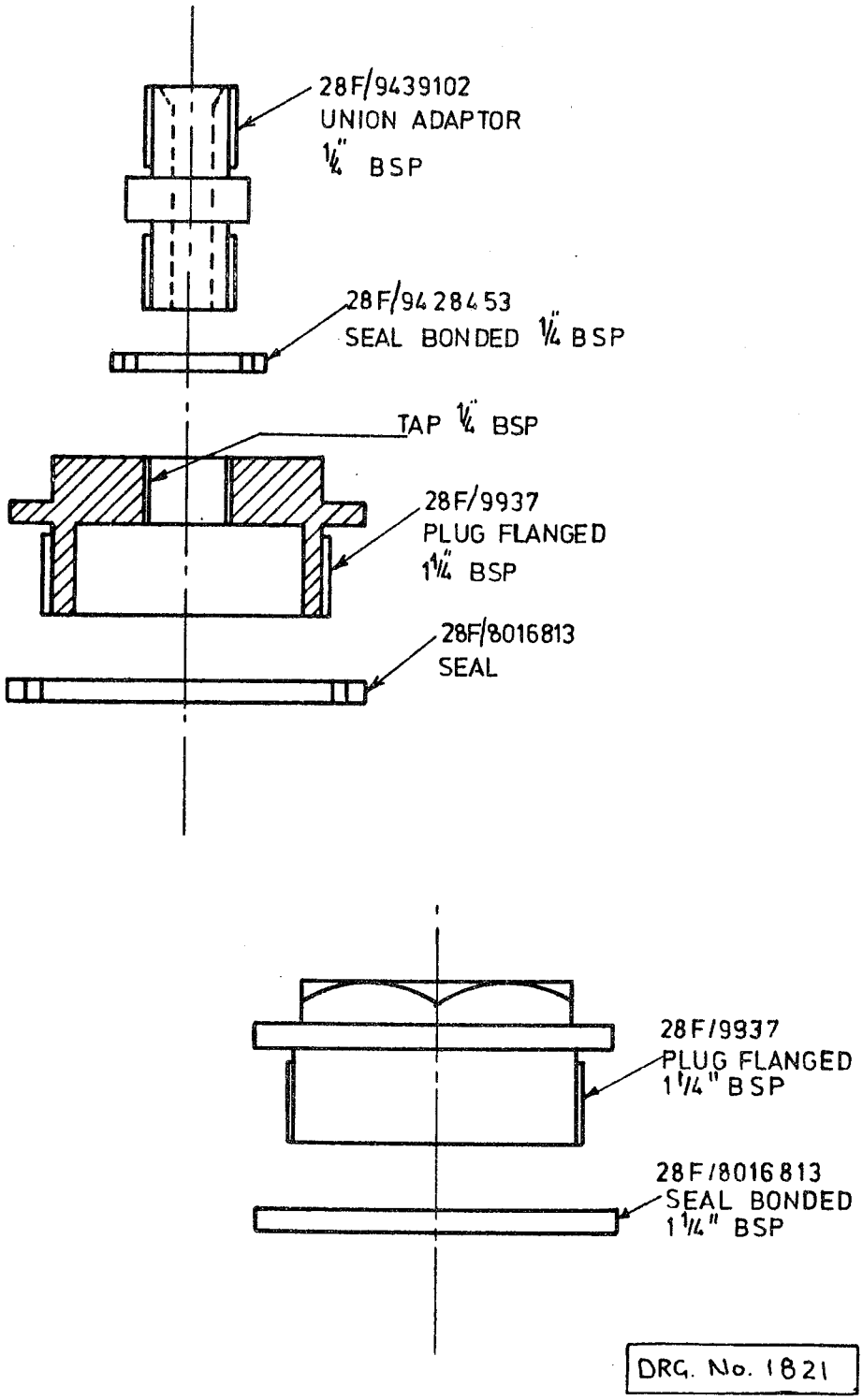


Fig.2 Test adapter and blank

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 14

Tradesman Man Hr	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B

SPECIAL TOOLS AND EQUIPMENT

Reference	Nomenclature	Qty
LM	Distance Piece, Manufacture from: 17 SWG Mild steel Tube Ref No. 30A/9610317. (See Fig 1B).	1
LM	Washer, Manufacture from: (a) 3 SWG Steel Plate Ref No. 30A/9610501 or (b) 1½ in. Mild Steel Bar Ref No. 30C/9610743. (See Fig 1C).	1

SPARES

1302

Refer to AP101B- & -3A

1303

	MATERIALS	NATO CODE	Qty
34B/2241793	Grease, XG-287	G354	As required
33C/2243422	Alocrom 1200		"
33D/2201949	Trichloroethane		"
33H/2202553	Bostik 2402		"

P.F.6.

SAFETY PRECAUTIONS

1. Trichloroethane (Inhibisol). Trichloroethane (33D/2201465) also known as Inhibisol has a strong degreasing action on the skin. The following health precautions are to be observed:

a. All unnecessary exposure to the vapour is to be avoided.

b. The work area is to be adequately ventilated. Suitable respirators are to be worn if Trichloroethane (Inhibisol) is used in an enclosed space.

c. Smoking, eating and drinking in the work area are prohibited.

d. Care is to be taken to prevent splashing when handling the fluid. If necessary goggles or eye shields are to be worn. If any does enter the eyes, they are to be washed out immediately with running water and the Station Medical Centre informed.

e. Rubber gloves are to be worn, and any portion of the skin liable to come into contact with the fluid is to be protected by a barrier cream. If the skin is splashed the affected parts are to be thoroughly washed with soap and clean water as soon as possible.

P.F.6.

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B

SERVICING NOTES

1. Refer to the aircraft AP, Topic 1 Section 3 Chapter 1 for information regarding unload/load of the Hood Jettison Release Unit Pt No.B212214 Ref No. 26FX/4246107.

2. The technical content of SI/Hunter/128B is included in this schedule.

3. Clean all metal parts with Trichloroethane and dry using compressed air.

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1. Preparation

1.1	Introduction.	Read.
1.2	Safety Precautions.	
1.3	Servicing Notes.	
1.4	Release unit.	Ensure in 'unloaded' position.

2. Dismantling

2.1	Release Unit.	
	(a) Rivets. (2 off). (Retaining coupling eye end, and sleeve to operating lever (A215725) end of rod (F210867).	
	(b) Coupling.	
	(c) Eye end.	
	(d) Sleeve.	
	(e) Bolts special (2 off)(Pt No. F189118).	Remove.
	(f) Bolts, cheesehead (2 off).(Pt No. A127278) securing slotted plug (Pt No.A215724) within casing.	
	(g) Spring washers. (2 off)(SP47E).	
	(h) Spring washers (2 off)(SP47C).	
	(j) Slotted plug complete with operating lever assembly (Pt No. A215725).	(i) Ensure operating lever is in unloaded position. (ii) Remove and retain.
	(k) Nut (Pt No. A126610).	Remove.

Continued overleaf

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

Dismantling (Contd)

2.1	(l) Bolts, cheesehead (2 off). (Pt No. A127278). (m) Bolts special (2 off). (Pt No. F212258). (n) Bearing special (Pt No.F212257). (p) Bearing spool (Pt No. F210655) locating plug (Pt No. F189067) within casing. (q) Spring washers (2 off). (AGS 162C). (r) Spring washer (SP47E).	Remove.
	(s) Bolt special (Pt No. F212258). Locating bearing special (Pt No. F228234).	Ensure removed. Note: This bolt should have been removed to facilitate the withdrawal from aircraft.
	(t) Casing complete with packing.	(i) Securely hold eye end and coupling. (ii) Remove from release unit mechanism and retain.
3.	Examination	
3.1	Casing.	(i) Clean. (ii) Examine and particularly for wear and corrosion.
3.2	Rubber washers (attached to the inside face of packing).	(i) Examine. (ii) If insecure refit using Bostik 2402.
3.3	During this Sub-item if severe corrosion is found, the affected parts are to be replaced. Slight corrosion is to be removed using fine emery cloth, the bare metal surfaces being reprotected with Alocrom 1200. Release Unit.	(i) Clean. (ii) Examine and particularly the condition of the sliding surfaces on the operating lever and attached slotted plug.

Continued

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

3. Examination (Contd).

3.4	Rod. (Pt No. F210867).	(i)	Fit LM spring compression tool (See Fig 1A) to operating lever end of rod.
		(ii)	Fit 3/8 in. BSW steel nut to threaded portion of rod.
3.5	Spring. (Pt No.A126828).		Compress using LM spring compression tool, approximately 10.0 mm (0.4 in.) to permit lubrication of the thrust bearing (Ref No.2A/9500491) through the four half inch holes in the LM distance piece (See Fig 1B).
3.6	Thrust bearing. (Ref No. 2A/9500491).	(i)	Lubricate, using small paint brush, with Grease. (XG-287).
		(ii)	Rotate to ensure complete coverage.
3.7	Rod. (Pt No. F210867).	(i)	Remove 3/8 in BSW Nut.
		(ii)	Remove spring compression tool.
3.8	Plug. (Pt No. F189067).	(i)	Fill the four bolt holes with Grease. (XG-287).
		(ii)	Rotate the centre rod to ensure circulation of grease.
		(iii)	Repack the spring assembly with Grease. (XG-287).
3.9	Slotted plug and operating lever.		Lubricate sliding surfaces with Grease. (XG-287).

4. Assembling

4.1	Casing complete with packing. (a) Assembly.	Fit to release unit mechanism.
	(b) Plug. (Pt No.A189067).	Fit to casing.
	(c) Bolts (2 off). (Pt No.A127278).	
	(d) Bolts special (2 off). (Pt No. F212258).	
	(e) Bearing special (Pt No. F212257).	
	(f) Bearing spool (Pt No. F210655).	

Continued overleaf

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4246107
HUNTER T7, T7A AND 8B

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

4. Assembling (Contd)

4.1 Casing complete with packing. (Contd).

(g) Washers spring. (2 off)(AGS/162C)
(h) Washer spring. (SP47E).
(j) Slotted plug (Pt No. 215724) complete with operating lever.
(k) Bolts (2 off). (Pt No.A127278).
(l) Bolts special (Pt No.F189118).
(m) Washers spring. (2 off). (SP47E).
(n) Washers spring. (2 off). (SP47C).

Fit to casing.

4.2 Nut (Pt No.A126610). Fit the rod ensuring wider flange engages operating lever.

4.3 Release Unit.

(a) Sleeve.
(b) Eye end.
(c) Coupling.

Fit to rod, aligning the two rivet holes ensuring there is a gap of 2.5146 to 2.5654cm (0.99 to 1.01 in) between the coupling and the face of the nut (Pt No. A126610).

(d) Rivets (2 off). (AS463/415). Fit.

5. Completion

5.1 Documentation. Complete.

Continued

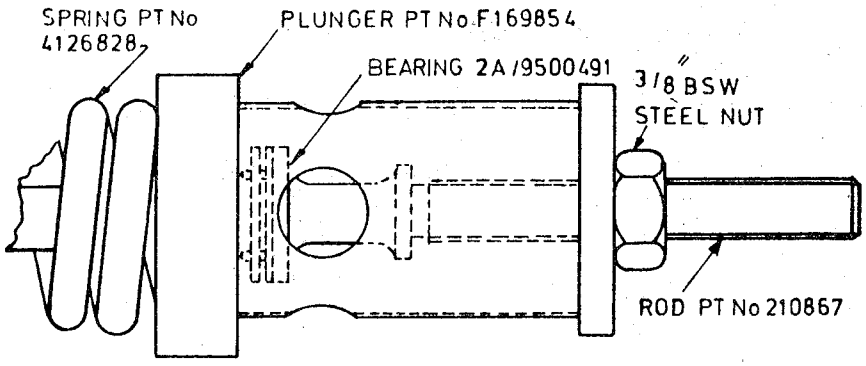


Fig 1A Tool in position on unit (Not compressed)

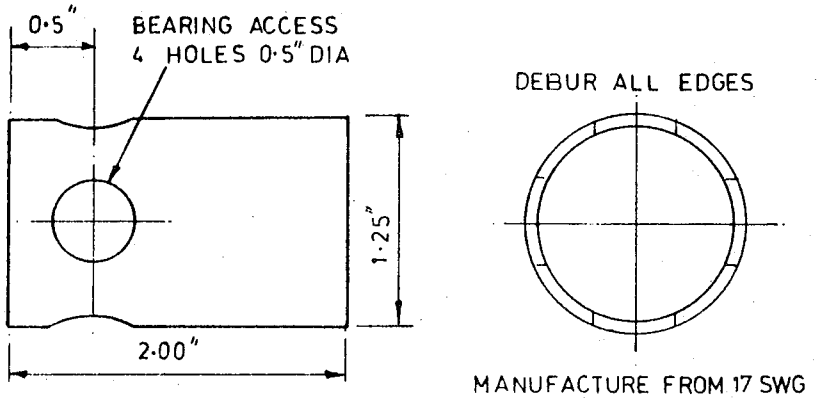


Fig 1B Distance piece

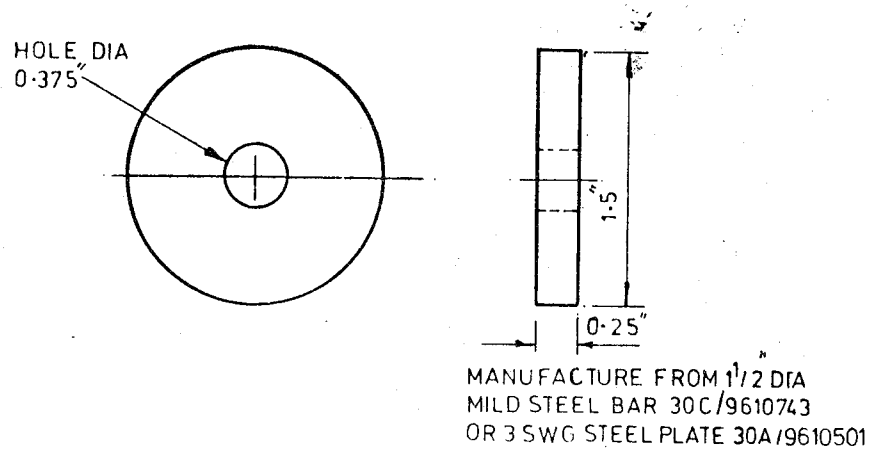


Fig 1C Washer

Spring compression tool

P.F.6.

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

AIRFRAME
Sheet 1

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4242665
HUNTER F6 AND GA9
SUPPLEMENTARY SERVICING

AP101B-1300-5F
Sect 1
Chap 15

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

AUTH	ITEM NO.	ITEM	OPERATION	APPLIC-ABILITY

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4242665
HUNTER F6 AND GA9

Reference	SPECIAL TOOLS AND EQUIPMENT	QTY
	Nomenclature	
LM	Distance Piece. Manufacture from: 17 SWG Mild Steel Tube Ref No. 30A/9610317. (See Fig 1B)	1
LM	Washer. Manufacture from: (a) 3SWG Steel Plate Ref No. 30A/9610501 or (b) 1½ in. Mild Steel Bar Ref No. 30C/9610743. (See Fig 1C).	1
	SPARES	
	Refer to AP4347 series Vol 3, Pt 1 AP101B-1301/7/8-3A	

	MATERIALS	NATO CODE	QTY
34B 2241793	Grease, XG287	G354	As required
33C 2243422	Alocrom 1200		" "
33D 2201949	Trichloroethane		" "
33H 2202553	Bostik 2402		" "

P.F.6.

SAFETY PRECAUTIONS

1. Trichloroethane (Inhibisol). Trichloroethane (33D/2201465) also known as Inhibisol has a strong degreasing action on the skin. The following health precautions are to be observed:

a. All unnecessary exposure to the vapour is to be avoided.

b. The work area is to be adequately ventilated. Suitable respirators are to be worn if Trichloroethane (Inhibisol) is used in an enclosed space.

c. Smoking, eating and drinking in the work area are prohibited.

d. Care is to be taken to prevent splashing when handling the fluid. If necessary, goggles or eye shields are to be worn. If any does enter the eyes, they are to be washed out immediately with running water and the Station Medical Centre informed.

c. Rubber gloves are to be worn, and any portion of the skin liable to come into contact with the fluid is to be protected by a barrier cream. If the skin is splashed the affected parts are to be thoroughly washed with soap and clean water as soon as possible.

P.F. 6.

SERVICING NOTES

1. Refer to the aircraft AP, Topic 1 Section 3, Chapter 1, for information regarding unload/load of the Hood Jettison Release Unit Pt No. B215644. Ref No. 26FX/4242665.

2. The technical content of SI/Hunter/128B is included in this schedule.

3. Clean all metal parts with trichloroethane and dry using compress air.

P.F.6.

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4242665
HUNTER F6 AND GA9

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

1.1 Preparation

1.1 1.2 1.3	Introduction. Safety Precautions. Servicing Notes.	Read.
1.4	Release unit.	Ensure in 'unloaded' position.

2. Dismantling

2.1	Release unit.	
	(a) Rivets. (2 off). (Retaining Coupling, eye end and sleeve to operating lever (F214647) end of rod). (b) Coupling. (c) Eye end. (d) Sleeve. (e) Bolts, cheese head (2 off). (Securing plug (Pt No. A189073) within casing). (f) Spring washers (2 off).	Remove.
	(g) Bolt (Pt No. F211177) (at operating lever end of unit). (h) Washer (STD915E6). (j) Bolt (Pt No. F189118) (at operating lever end of unit).	Ensure removed. Note: These items should have been removed to facilitate the withdrawal from aircraft.
	(k) Plug complete with operating levers (Pt No. F214647 and F189077).	(i) Ensure operating lever is in the unloaded position. (ii) Remove and retain.
	(l) Nut (Pt No. A126610). (m) Bolts, (2 off, Pt No. A127278) securing plug (Pt No. F189067) within casing.	Remove.

Continued overleaf

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

2. Dismantling (Contd)

2.1 Release unit. (Contd)

(n) Spring washers (2 off). — Remove.

(p) Bolts. (2 off). (Pt No. F189118). — Ensure removed.
Note: These bolts should have been removed to facilitate the withdrawal from aircraft.

(q) Casing complete with packing.
(i) Securely hold eye end and coupling.
(ii) Remove from release unit mechanism and retain.

3. Examination

3.1 Casing.
(i) Clean.
(ii) Examine and particularly for wear and corrosion.

3.2 Rubber washers attached to the inside face of packing.
(i) Examine.
(ii) If insecure refit using Bostik 2402.

3.3 During this Sub-item if severe corrosion is found the affected parts are to be replaced. Slight corrosion is to be removed using fine emery cloth, the bare metal surfaces being reprotected with Alocrom 1200.
Release unit.
(i) Clean.
(ii) Examine and particularly the condition of the sliding surfaces on the operating levers and attached plug.

3.4 Rod (Pt No. F210867).
(i) Fit LM spring compression tool (see Fig 1A) to operating lever end of rod.
(ii) Fit 3/8 in. BSW steel nut to threaded portion of rod.

3.5 Spring (Pt No. A126828). — Compress using LM spring compression tool, approximately 1.016cm (0.4 in).to permit lubrication of the thrust bearing (Ref No. 2A/9500491) through the four half inch holes in the LM distance piece (see Fig 1B).

3.6 Thrust bearing (Ref No. 2A/9500491).
(i) Lubricate, using small paint brush, with Grease. (XG-287)
(ii) Rotate to ensure complete coverage.

Continued

SERVICING RECORD

Aircraft/Equipment
Ser No
Date

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

3. Examination (Contd)

3.7	Rod (Pt No. F210867).	(i)	Remove 3/8 in. BSW nut.
		(ii)	Remove spring compression tool.
3.8	Plug (Pt No. F189067).	(i)	Fill the four bolt holes with Grease. (XG-287).
		(ii)	Rotate the centre rod to ensure circulation of grease.
		(iii)	Repack the spring assembly with Grease. (XG-287).
3.9	Plug and operating levers (Pt No. F214647 and F189077).		Lubricate sliding surfaces with Grease. (XG-287).

4. Assembling

4.1 During this Sub-item ensure that canopy de-seal lever (Pt No. F189077) is not reversed.

Casing, complete with packing. (a) Assembly.	Fit to release unit mechanism.
(b) Plug (Pt No. A189067).	Fit to casing.
(c) Bolts (2 off) (Pt No. A127278).	
(d) Washers (2 off) (AGS/162C).	
(e) Plug (Pt No. A189073) complete with operating levers.	
(f) Bolts (2 off) (Pt No. A127278).	
(g) Washers (2 off) (AGS/162C).	

4.2 Nut (Pt No. A126610). *Fit to rod ensuring wider flange engages operating lever.

4.3 Release unit.

(a) Sleeve.	Fit to rod, aligning the two rivet holes, ensuring there is a gap of 2.5146 to 2.5654 cm (0.99 to 1.01 in) between the coupling and the face of the nut (Pt No. A126610).
(b) Eye end.	
(c) Coupling.	

Continued overleaf

HOOD JETTISON MECHANISM
RELEASE UNIT
26FX/4242665
HUNTER F6 AND GA9

RAF Form 2988B
(Revised Jan 78)

SERVICING RECORD

Aircraft/Equipment
Ser No:
Date:

SAFETY AND SERVICING NOTES ARE TO BE COMPLIED WITH THROUGHOUT THE WORK DETAILED ON THIS CARD

Tradesman Man Hrs	Tradesman Initials	Brief Details of Suspected Defect and MOD F720 ORN When Applicable	Supervisor Man Hrs	Supervisor Initials
1	2	3	4	5

4. Assembling (Contd)

4.3 Release unit. (Contd)
(d) Rivets (2 off). (AS463/415). Fit.

5. Completion

5.1 Documentation. Complete.

Continued

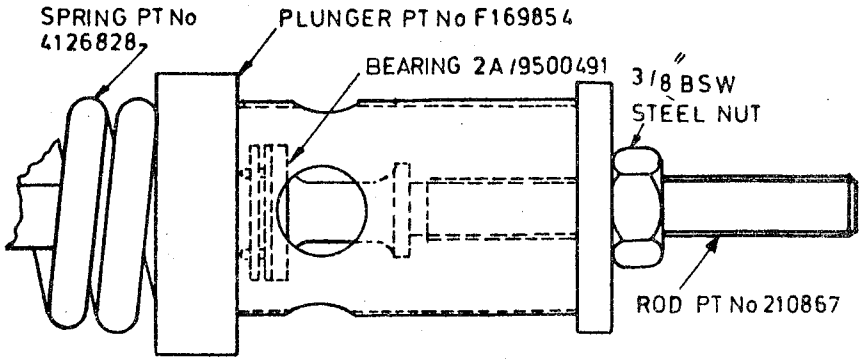


Fig 1A Tool in position on unit (Not compressed)

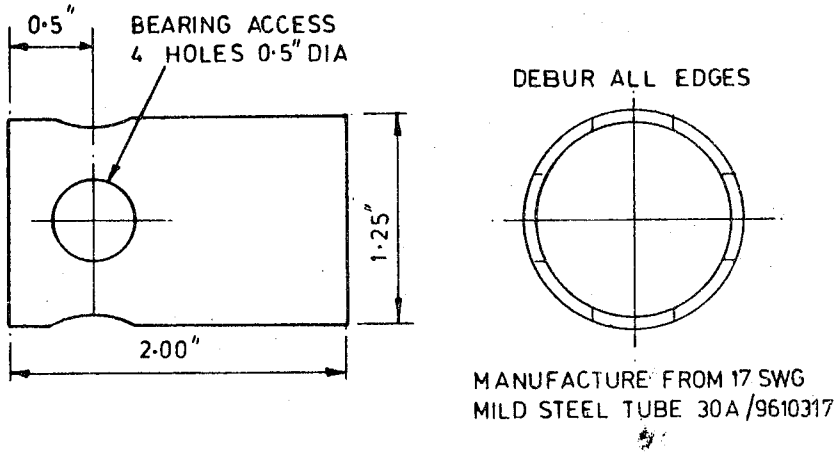


Fig 1B Distance piece

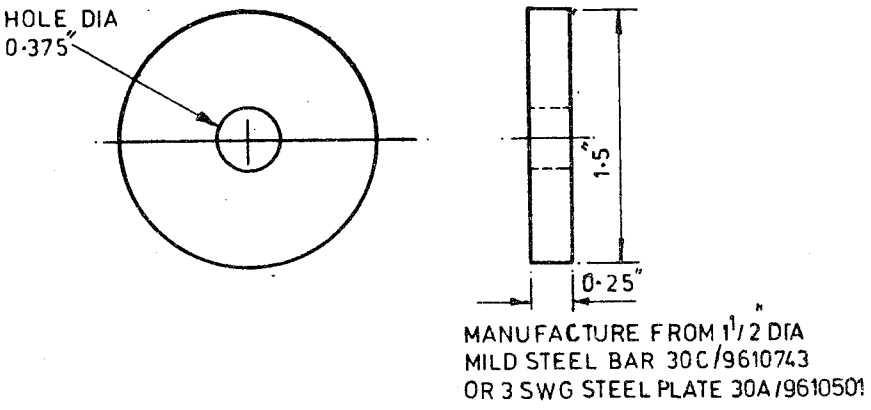


Fig 1C Washer

DRG No2505A

Spring compression tool

P.F.6.