

Appendix 1 - Chapter 3

MAINPLANES

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NOTE...

Where figure numbers on illustrations are identical, the Mod.
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CONTROL SURFACE MASS BALANCE

301. As the flying control surfaces in some cases differ in construction and modification standards from the Mk.1 and Mk.1A aircraft, it has been found necessary to introduce new tables in this chapter to cover repair allowances, overpainting weight references and procedure for static mass balancing.

Reference

302. All information contained in Part 1, Chap.3, para.319 to 323 inclusive relates also to Mk.2 aircraft with the exception that for all 'Table' references, refer to Tables 1, 2 and 3 in this chapter.

Overpainting

303. As the mass balancing of the in-board and outboard ailerons, i.e., (No. 1, 2, 7 and 8 Elevons) is very critical and no repair allowance being allowed, the following instructions must be strictly adhered to when overpainting.

- (1) For one coat of camouflage paint applied on the top of a normally painted aileron, two additional trim balance weights item No. 11F.10213 must be fitted.
- (2) For two coats of camouflage paint applied under the same conditions as item (1), three trim balance weights item No.11F.10213 must be fitted.
- (3) Number of trim balance weights fitted in any one balance arm must not exceed four after fitting of additional trim weights.
- (4) Distance tube item AS.2808/7/200 must be shortened to suit, on assembly, if any additional trim

weight(s) are fitted in balance arms.

Reference drawings for mass balance arms:-

- F.10693 O/B. Ailerons (No.1 and 8 Elevons)
- F.10690, E10691, E10692, I/B. Ailerons (No.2 and 7 Elevons)

Provided the above conditions are met, there is no need to remass balance.

WARNING...

If an aileron is completely overpainted (normal finish) without removing the existing paint, it must be remass balanced as described in Table 2.

are met, to do one repair embracing the areas of damage.

Reference

305. Refer to Part 1, Chap. 3, para. 324 and 325 for information when a panel has to be renewed. Repair figure numbers are shown in the respective structural illustrations.

WING SKINNING TOP SURFACE

Repair Information

304. Repairs to the skinning of the wing top surface, aft of the air-brakes, are allowed with the following limitations.

- (1) Filler plate or plates must not exceed a total area of 250 sq. in. per skin panel, when this would be exceeded the panel must be renewed. This figure does not apply to the area covered by the seating plates.
- (2) The outer edges of the seating plates, for adjacent filler plates, must not be closer than 3.0 in. at any point. If additional repairs are required and the seating plates have a landing of less than 3.0 in., it is permissible, provided the repair limitations

TABLE 1
Repair allowances

Component	Drwg.No.	Mod.Reference	Arm from Control Surface Hinge c/l.	Repair weight allowances
Rudder	1H.2760	Pre.Mod.891 and Pre.Mod.1028	+ 57.37 in.	3 lb. 10 oz.
	30H.2760	Post Mod.891 and/or embodying Mod.1028	+ 57.37 in.	1 lb. 13 oz.
I/B.Elevators, No.4 and 5 Elevons	85, 86F.7851	Pre.Mod.891 and Post Mod.650	+ 89.774 in.	5 lb. 5 oz.
	89, 90F.7851	Post Mod.891 and Post Mod.650	+ 89.774 in.	2 lb. 10.5 oz.
O/B.Elevators, No.3 and 6 Elevons	1, 2F.9724	Pre.Mod.891 and Post Mod.650	+ 75.97 in.	4 lb. 13 oz.
	111, 112F.9724	Post Mod.891 and Post Mod.650	+ 75.97 in.	2 lb. 6.5 oz.

NOTE...

No repair allowance is allowed on I/B. and O/B. Ailerons, i.e., No.1, 2, 7 and 8 Elevons. If any repairs are necessary, these component(s) must be statically mass balanced in accordance with the instructions in Table 2.

The arm of the weight is measured normal to the control surface hinge centre line, negative being forward of the hinge line, positive aft of the hinge line.

Refer to Part 1, Chap.3, para.322 'Repair allowances'.

TABLE 2

Static mass balance of control surfaces

Component	Drwg.No.	Mod.Reference	Balance checks	Arm from Control Surface Hinge c/l.	Balance weights and spring balance readings	Resultant
Rudder	1H.2760	Pre.Mod.891 and Pre.Mod.1028	1 and 2	0 - 10 in.	No check weight 19 lb. 8 oz.	Statically balanced or tail heavy. Statically balanced or nose heavy.
Rudder	30H.2760	Post Mod.891 and/or Post Mod.1028	1 and 2	0 + 44 in.	No check weight Spring balance reading must not exceed 17 lb.	Rudder must be tail heavy. To bring the datum line horizontal.
<i>INFORMATION...</i>						
<i>In case of failure to meet the balance requirements of checks 1 and 2, further mass balance weights may be added as follows:-</i>						
<i>The bottom port mass balance weight referenced on section A-A and if further mass balance weight is required, as section B-B on drawing H.2588, sht.3. Balance checks 1 and 2 must be repeated if any additional mass balance weights have been added.</i>						
I/B.Elevators No.4 and 5 Elevons	85,86F.7851	Pre.Mod.891 and Post Mod.650	1 and 2	+ 83 in. - 30 in.	2 lb. 5 lb. 8 oz.	Statically balanced or tail heavy. Statically balanced or nose heavy.
	89,90F.7851	Post Mod.891 and Post Mod.650	1 and 2	0 + 80 in.	No check weight Spring balance reading must not exceed 14 lb.	Elevator must be tail heavy. Static balance position.

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TABLE 2 (Cont'd.)

Static mass balance of control surfaces

Component	Drwg.No.	Mod.Reference	Balance checks	Arm from Control Surface Hinge c/l.	Balance weights and spring balance readings	Resultant
O/B.Elevators No.3 and 6 Elevons	1,2F.9724	Pre.Mod.891 and Post Mod.650	1	+ 65 in.	2 lb. 8 oz.	Statically balanced or tail heavy.
			and 2	- 20 in.	7 lb.	Statically balanced or nose heavy.
	111,112F. 9724	Post Mod.891 and Post Mod.650	1	0	No check weight	Elevator must be tail heavy.
			and 2	+ 72 in.	Spring balance reading must not exceed 16 lb.	Static balance position.
I/B.Ailerons No.2 and 7 Elevons	1,2F.9725	-	1	0	No check weight	Statically balanced or nose heavy.
			and 2	+ 32 in.	9 lb.	Statically balanced or tail heavy.
O/B.Ailerons No.1 and 8 Elevons	1,2F.9726	-	1	+ 32 in.	4 lb. 8 oz.	Statically balanced or nose heavy.
			and 2	+ 32 in.	12 lb. 5 oz.	Statically balanced or tail heavy.

NOTE...

Elevators are to be statically balanced with the horizontal datum set 3 deg. tail up.
Ailerons are to be statically balanced with the horizontal datum set 10 deg. tail down.

The above checks apply after final painting.

The arm of the weight is measured normal to the control surface hinge centre line, negative being forward of the hinge line, positive aft of the hinge line.

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TABLE 3

Overpainting - equivalent weights at maximum trailing edge arms

Component	Mk.	Type	Normal paint finish to Spec. D.T.D.5555 Wt. lb./sq.ft. for 1 coat	Max. T/Edge Arm	Equivalent Wt. (oz.) at the T/Edge Arm	Type	Camouflage area, finish to Post Mod.1877 Wt. lb./sq.ft. for 1 coat	Equivalent Wt.(oz.) at the T/Edge Arm			
Rudder 1 or 30H.2760	2	Primer	0.0034	+ 57.37 in.	3.1	Primer	0.0034	3.1			
		Filler	0.0069		6.2				Finish	0.0087	7.9
		Finish	0.0098		8.9						
I/B.Elevators No.4 and 5 Elevons 85,86F.7851 89,90F.7851	2	Primer	0.0034	+ 89.774 in.	3.0	Primer	0.0034	1.5			
		Filler	0.0069		6.2				Finish	0.0087	3.9
		Finish	0.0098		8.7						
O/B.Elevators No.3 and 6 Elevons 1,2F.9724 111,112F.9724	2	Primer	0.0034	+ 75.97 in.	3.2	Primer	0.0034	1.6			
		Filler	0.0069		6.5				Finish	0.0087	4.1
		Finish	0.0098		9.3						
I/B.Ailerons No.2 and 7 Elevons 1,2F.9725	2	Primer	0.0034	+ 33.0 in.	1.5	Primer	0.0034	0.8			
		Filler	0.0069		3.1				Finish	0.0087	2.0
		Finish	0.0098		4.4						
O/B.Ailerons No.1 and 8 Elevons 1,2F.9726	2	Primer	0.0034	+ 33.0	1.5	Primer	0.0034	0.7			
		Filler	0.0069		3.0				Finish	0.0087	1.9
		Finish	0.0098		4.2						

NOTE...

Weights quoted in columns * must be logged against the respective repair allowances when overpainting, also refer to para.303.

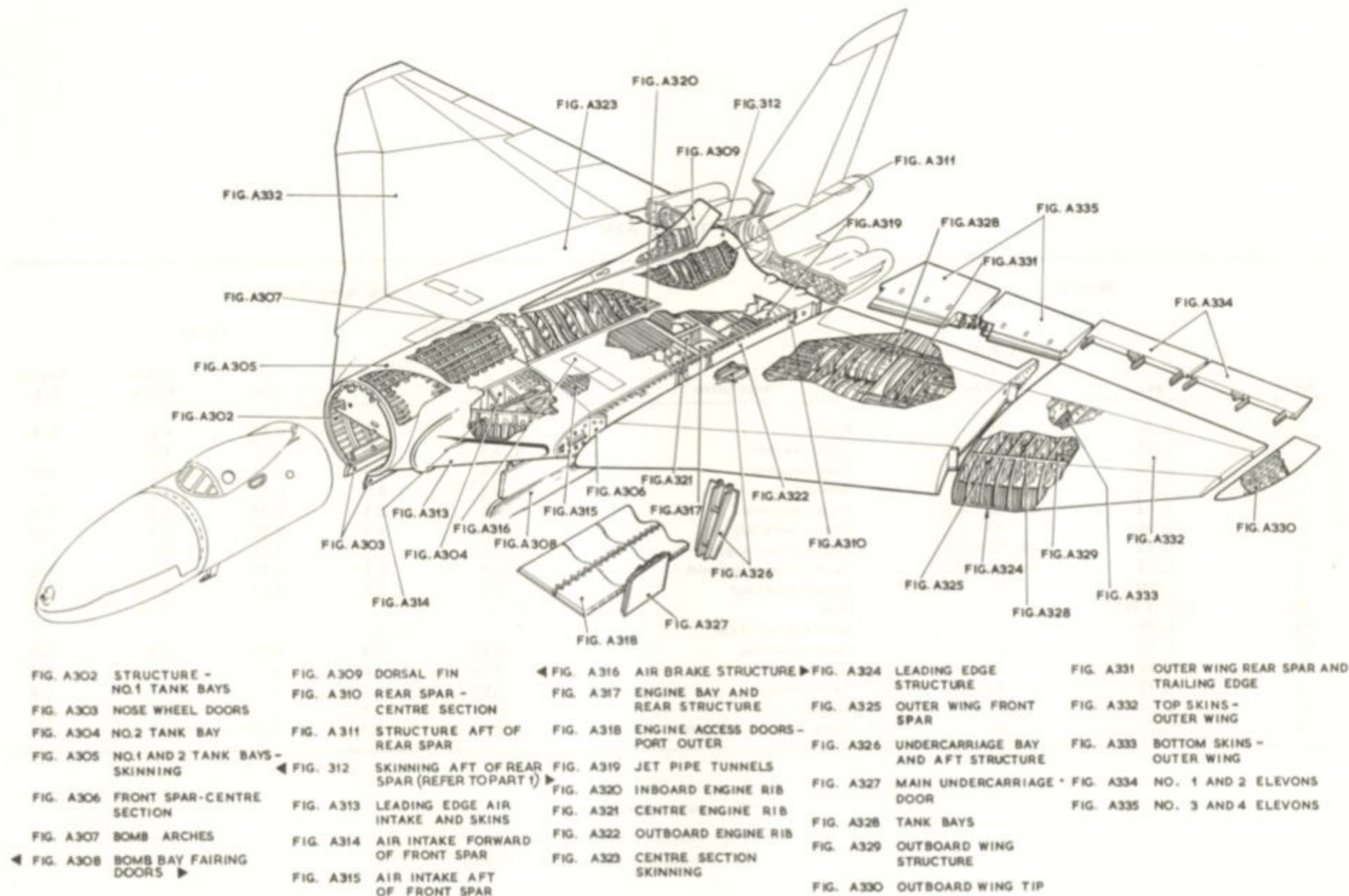


Fig. A301. Main plane key diagram

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KEY TO FIG. A302

Item	Material		Description	Negligible Damage					Repair Fig.
	Spec.	S.W.G. or Section		Dents		Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio		
1	L.72	16	Former	0.1	2.5	0.25	4:1	108	
2	L.72	18	Joint bracket	x 0.1	2.5	0.25	4:1	-	
3	L.72	486/SS.1793	Tank formers	0.1	3.0	0.25	6:1	108	
4	L.72	20	Bracket	x 0.1	2.5	0.25	4:1	-	
5	L.72	486/SS.1793	Cross member	0.1	2.5	0.25	4:1	108	
6	L.72	20	Centre pressing	0.15	2.5	0.25	4:1	108	
7	L.72	420/SS.1793	Skin support angle	0.1	3.0	0.25	6:1	-	
8	L.72	600/SS.1793	Tank channel support	0.1	2.5	0.25	4:1	108	
9	L.72	20	Centre pressing	0.1	2.5	0.25	6:1	108	
10	D. T. D. 265	-	Bush	*	-	-	-	-	
11	L.65	-	Jack anchor plate	*	-	-	-	-	
12	L.72	22	Outer pressing	0.15	2.5	0.25	4:1	108	
13	L.72	18	Gusset plate	0.05	3.0	-	-	115	
14	L.72	486/SS.1793	Tank formers	0.05	4.0	-	-	108	
15	L.72	16	Gusset plate	0.05	3.0	-	-	115	
16	L.72	16	Tank channel support	0.1	2.5	0.25	4:1	108	

*No repairs permitted.

*More expedient to renew than repair.

All dimensions are quoted in inches.

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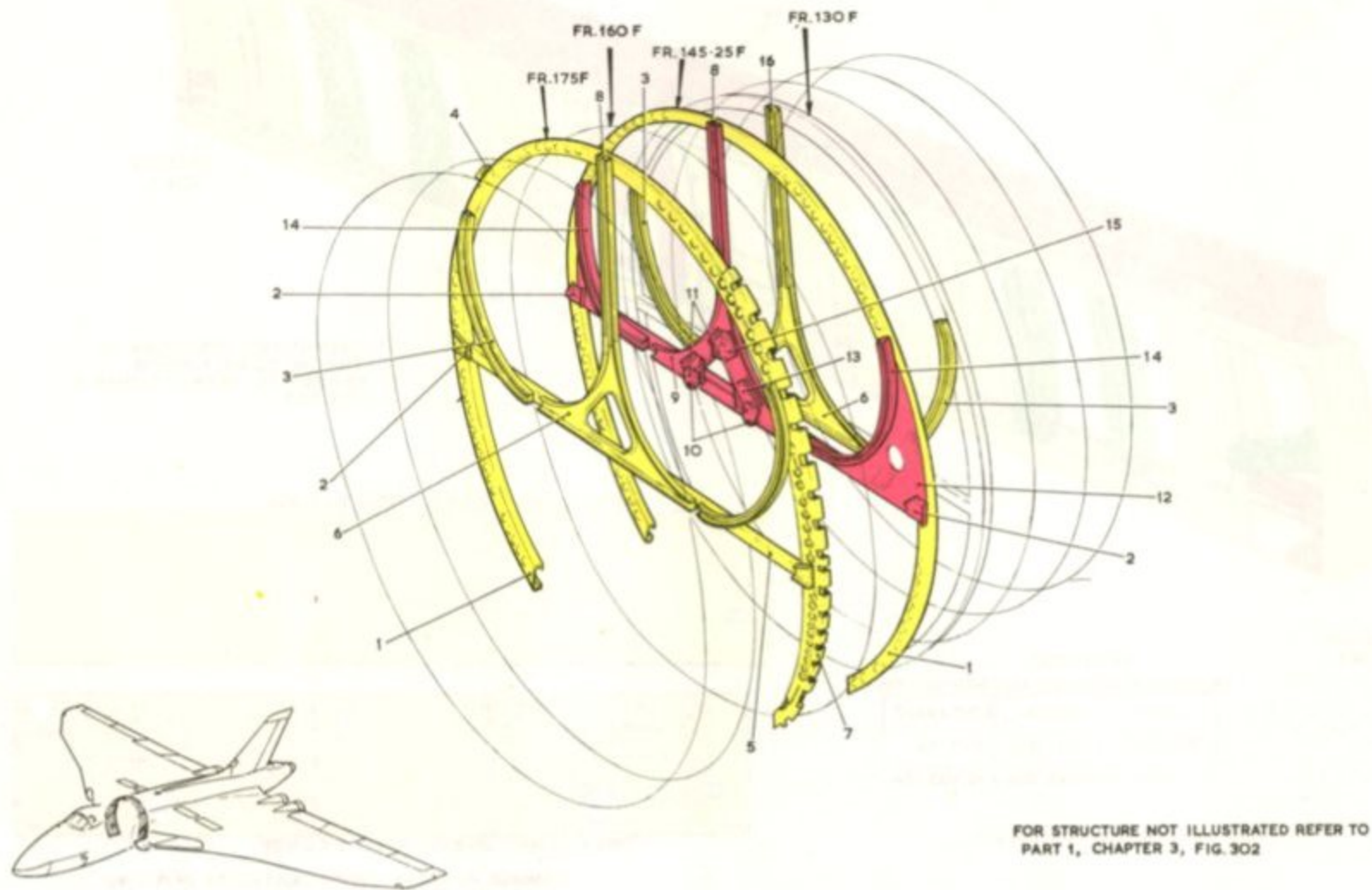
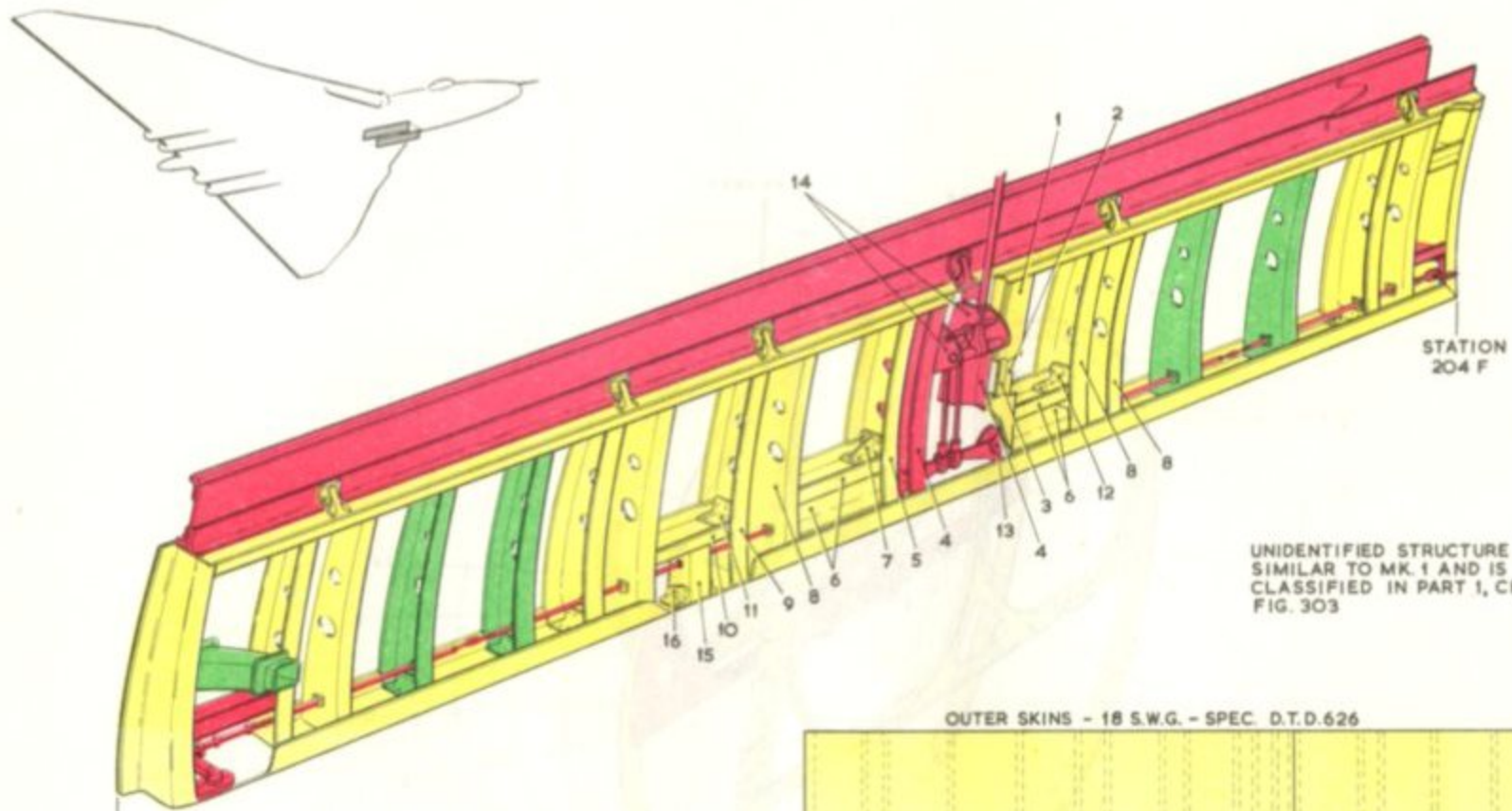
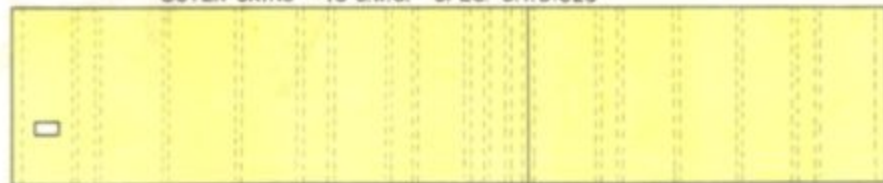


Fig. A302. Structure - No. 1 Tank bays
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UNIDENTIFIED STRUCTURE IS SIMILAR TO MK. 1 AND IS CLASSIFIED IN PART 1, CHAP 3, FIG. 303

OUTER SKINS - 18 S.W.G. - SPEC. D.T.D. 626



INNER SKINS - 20 S.W.G. - SPEC. D.T.D. 626

DAMAGE IN AREAS OF CONCENTRATED RIVETING MUST BE REPAIRED WITH JOINTS ARRANGED OUTSIDE THE AREA WHEN RE-SKINNING, SKINS SPEC. L. 72 SAME S.W.G. MAY BE USED.

STATION 75-05 F

SKINNING

NEGLECTIBLE DAMAGE ALLOWED ON SKINS

DENTS	DEPTH	DIST. APART
YELLOW	0.1 IN.	3.0 IN.

SKIN REPAIRS SEE FIG. 103-104

PORT DOOR ILLUSTRATED

Fig. A303. Nose-wheel doors

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KEY TO FIG. A303

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L. 72	18	Strap plate	0.1	2.0	0.25	4:1	-
2	L. 72	22	Former	0.1	2.0	0.25	4:1	107, 108
3	L. 72	22	Inner skin angle	0.1	2.0	0.25	4:1	113
4	L. 72	14	Jack former	0.05	3.0	-	-	108
5	L. 72	20	Former	0.1	2.5	0.25	6:1	105, 107, 108
6	L. 72	20	Intercostal	0.1	2.5	0.25	6:1	108, 115
7	D. T. D. 721	-	Bracket	x 0.1	2.0	-	-	-
8	L. 72	20	Former	0.1	2.5	0.25	4:1	105, 107
9	L. 72	18	Former	0.1	2.5	0.25	4:1	105, 107
10	L. 72	18	Intercostal	0.1	2.5	0.25	6:1	108, 115
11	L. 72	18	Attachment angle	x 0.1	2.0	-	-	-
12	L. 72	18	Bracket	x 0.1	2.0	-	-	-
13	D. T. D. 721	-	Lever housing	* -	-	-	-	-
14	L. 72	8	Side plate	x -	-	-	-	-
15	L. 65	225/SS. 3075	Channel	x 0.1	2.5	0.25	6:1	-
16	L. 72	18	Bracket	x 0.1	-	-	-	-
17	L. 72	20	Capping	0.1	3.0	0.25	4:1	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

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KEY TO FIG. A304

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S. W. G. or Section			Dents	Holes		
					Dist. Apart	Dia.	Pitch Ratio	
1	D. T. D. 687	20	Bulkhead web	0.05	3.0	-	-	103, 104
2	D. T. D. 687	24	Bulkhead web	0.1	2.5	0.25	3:1	103, 104
3	D. T. D. 687	18	Web	0.05	3.0	0.25	6:1	103, 104
4	L. 72	18	Angle	0.05	3.0	-	-	113
5	L. 72	18	Joint strap	x 0.05	3.0	-	-	-
6	L. 72	14	Angle	0.05	3.0	-	-	114
7	D. T. D. 687	12	Angle	0.05	3.0	0.25	6:1	114
8	D. T. D. 687	10	Angle	0.05	3.0	-	-	114
9	L. 72	16	Reinforcing plate	x 0.05	3.0	-	-	-
10	L. 72	211/SS. 1793	De-icing panel support	x 0.1	2.5	0.25	3:1	-
11	D. T. D. 687	14	Stiffening piece	0.025	3.0	-	-	114
12	D. T. D. 687	16	Stiffening piece	0.025	3.0	-	-	114
13	L. 65	249/SS. 3075 or 442/SS. 3075	Angle	x 0.05	2.5	-	-	-
14	L. 72	-	Bracket	x 0.05	2.5	-	-	-
15	L. 72	12d/SS. 1793	Angle	0.05	2.5	0.25	3:1	113
16	L. 72	20	Bracket	x 0.025	3.0	-	-	-
17	L. 72	386/SS. 1793	Angle	x 0.025	3.0	-	-	-
18	L. 72	18	Flame switch brackets	x -	-	-	-	-
19	L. 72	20	Reinforcing plate	x 0.05	2.5	-	-	-
20	D. T. D. 687	486/SS. 1793	Channel	0.05	3.0	0.25	6:1	108
21	L. 72	446/SS. 1793	Angle	0.05	3.0	-	-	114
22	L. 72	84/SS. 1793	Stiffener	x 0.025	3.0	-	-	-
23	L. 72	486/SS. 1793	Channel	-	-	0.25	6:1	108
24	D. T. D. 687	594/SS. 1793	Channel	-	-	0.25	6:1	108
25	L. 72	16	Angle	x 0.05	3.0	-	-	-
26	L. 72	18	Angle	0.1	2.5	-	-	113
27	D. T. D. 687	18	Bulkhead web	0.05	3.0	-	-	103, 104
28	D. T. D. 687	16	Angle	x 0.05	3.0	0.25	4:1	-
29	L. 72	20	Angle	0.1	2.5	0.25	4:1	-
30	D. T. D. 687	18	Floor skin (red)	0.025	3.0	-	-	103, 104
31	L. 72	22	Intercostals	0.1	2.5	0.25	4:1	105, 115
32	L. 65	294/SS. 3075	Stiffening angle	0.05	3.0	-	-	-
33	L. 72	18	Vertical web member	0.05	3.0	0.25	6:1	115
34	L. 72	18	Intercostal	0.1	2.5	0.25	4:1	105, 115
35	L. 72	24	Intercostal	0.15	2.5	0.25	4:1	105, 115
36	L. 72	20	Floor member	0.05	3.0	0.25	6:1	105, 115

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A304(Cont'd.)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
37	L. 65	326/SS. 3075	"T" section	x -	-	-	-	-
38	L. 72	20	Intercostal	0.1	2.5	0.25	4:1	105, 115
39	L. 72	16	Intercostal	x 0.1	2.5	0.25	4:1	-
40	L. 72	18	Attachment bracket	x 0.025	3.0	-	-	-
41	L. 72	16	Tank sump pressing	0.05	3.0	0.25	4:1	-
42	L. 72	211/SS. 1793	Stringer	0.025	3.0	0.25	6:1	112
43	D. T. D. 687	12	Floor skin	0.025	3.0	-	-	-
44	D. T. D. 687	20	Skin (yellow)	0.05	3.0	-	-	103, 104
45	L. 72	20	Former top members	0.05	3.0	0.25	6:1	107, 108
46	L. 72	18	Front spar member	0.1	2.5	-	-	107
47	L. 72	211/SS. 1793	Top hat stringer	0.05	3.0	-	-	112
48	L. 65	325/SS. 3075	"T" stringer	0.05	3.0	-	-	110
49	L. 72	18	Skin attachment angle	0.05	3.0	-	-	113, 114
50	D. T. D. 346 or D. T. D. 5054	-	Bracket	* -	-	-	-	-
51	L. 72	16	Reinforcing plate	0.05	3.0	0.25	6:1	-
52	L. 72	18	Attachment angle	x 0.025	3.0	-	-	-
53	L. 72	986/SS. 1793	Angle	0.05	3.0	0.25	6:1	113
54	D. T. D. 687	595/SS. 1793	Channel	-	-	0.25	6:1	108
55	D. T. D. 687	14	Web	0.025	3.0	-	-	103, 104
56	L. 72	6	Packing	x 0.025	4.0	-	-	-
57	L. 65	299/SS. 3075	Angle	↓ -	-	-	-	-
58	L. 65	298/SS. 3075	Angle	* -	-	-	-	-
59	L. 72	183/SS. 1793	Angle	0.05	3.0	0.25	6:1	113
60	L. 72	18	Floor member	0.05	3.0	0.25	6:1	113
61	L. 72	18	Former	x 0.05	3.0	0.25	6:1	-
62	L. 72	620/SS. 1793	Angle	0.05	3.0	-	-	113
63	L. 72	16	Intercostal	0.1	2.5	0.25	4:1	-
64	L. 72	16	Angle	x 0.05	3.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches.

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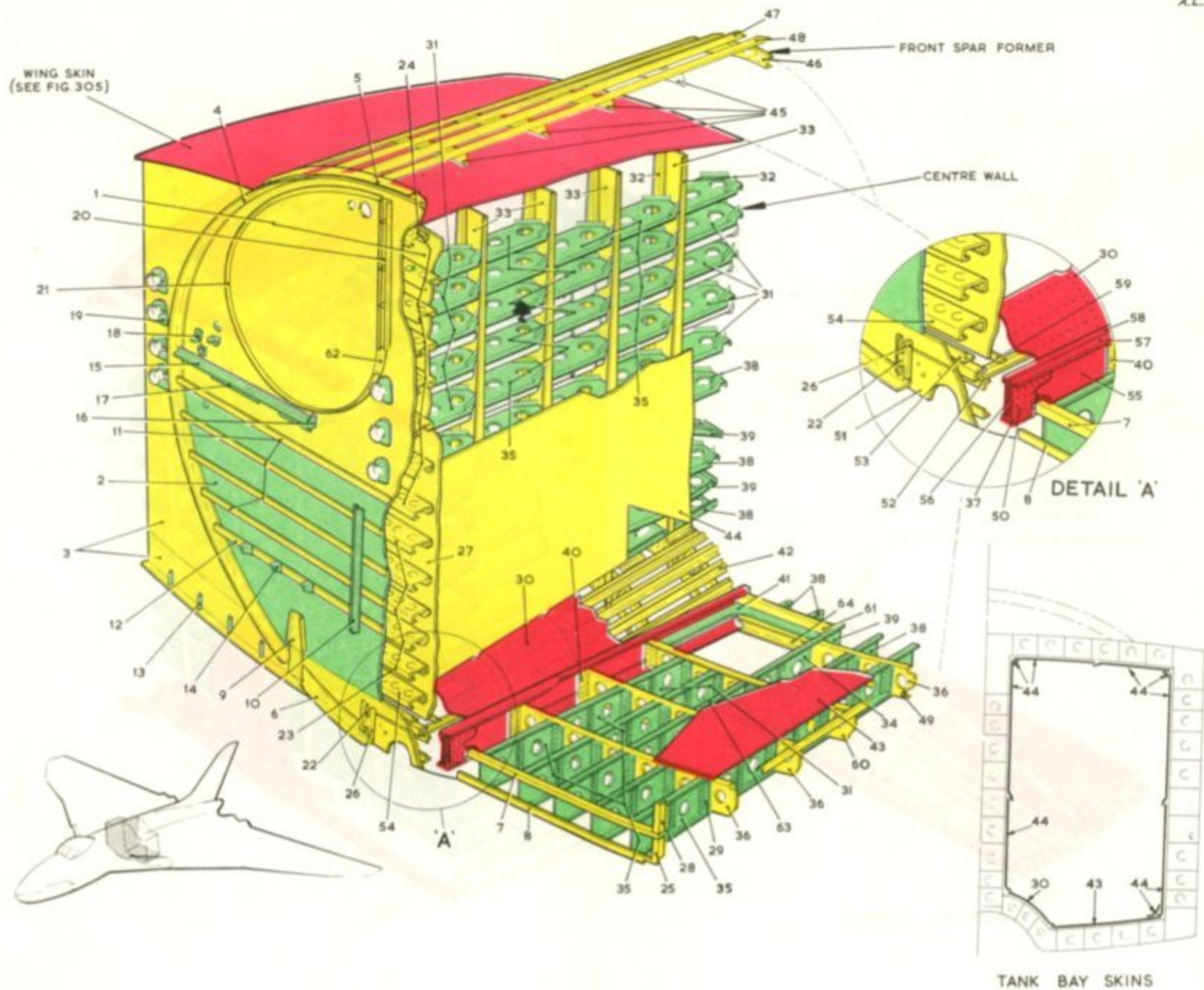


Fig. A304. No. 2 tank bay
RESTRICTED

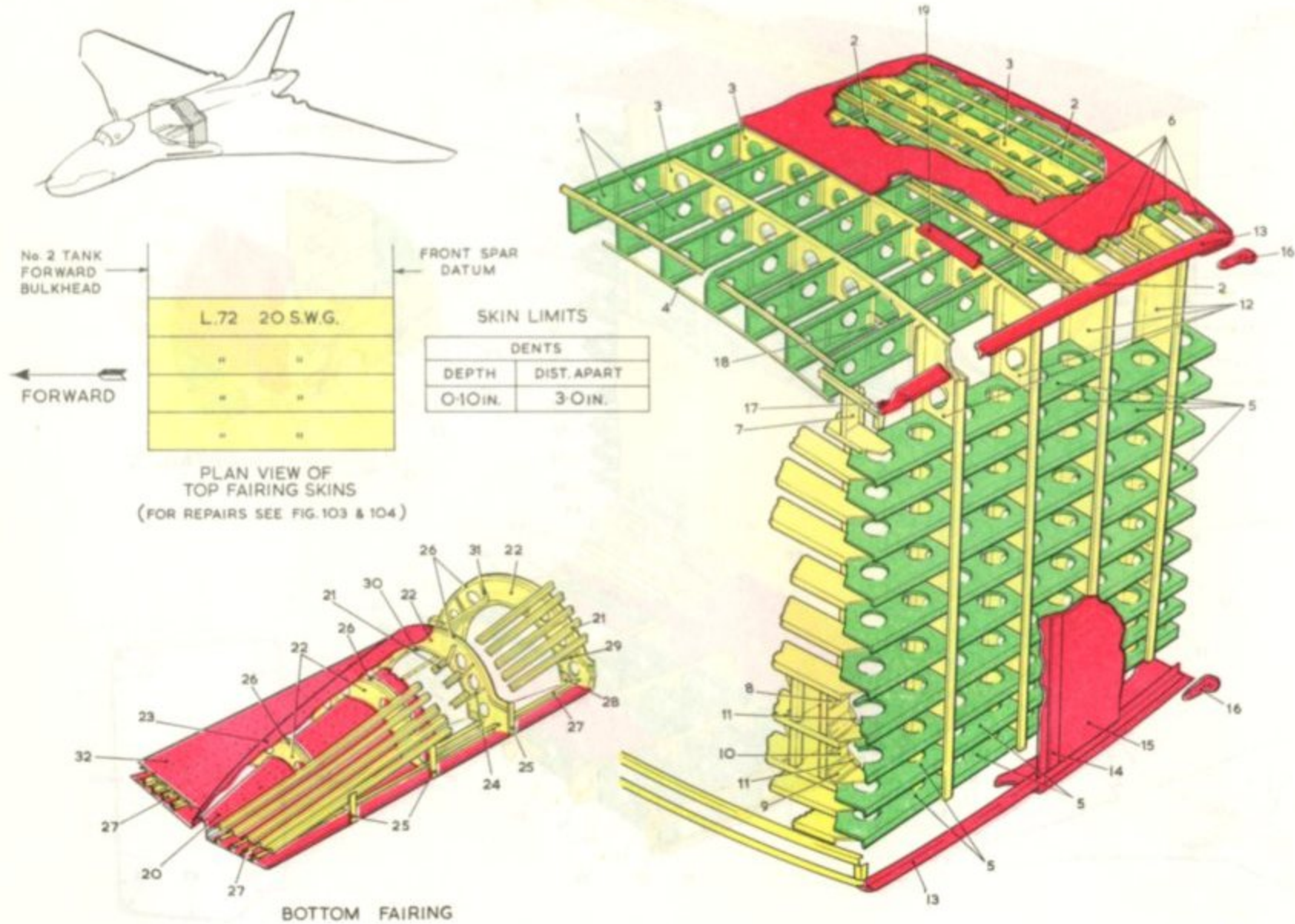


Fig. A304A. Outer tank wall and fairings

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KEY TO FIG. A304A

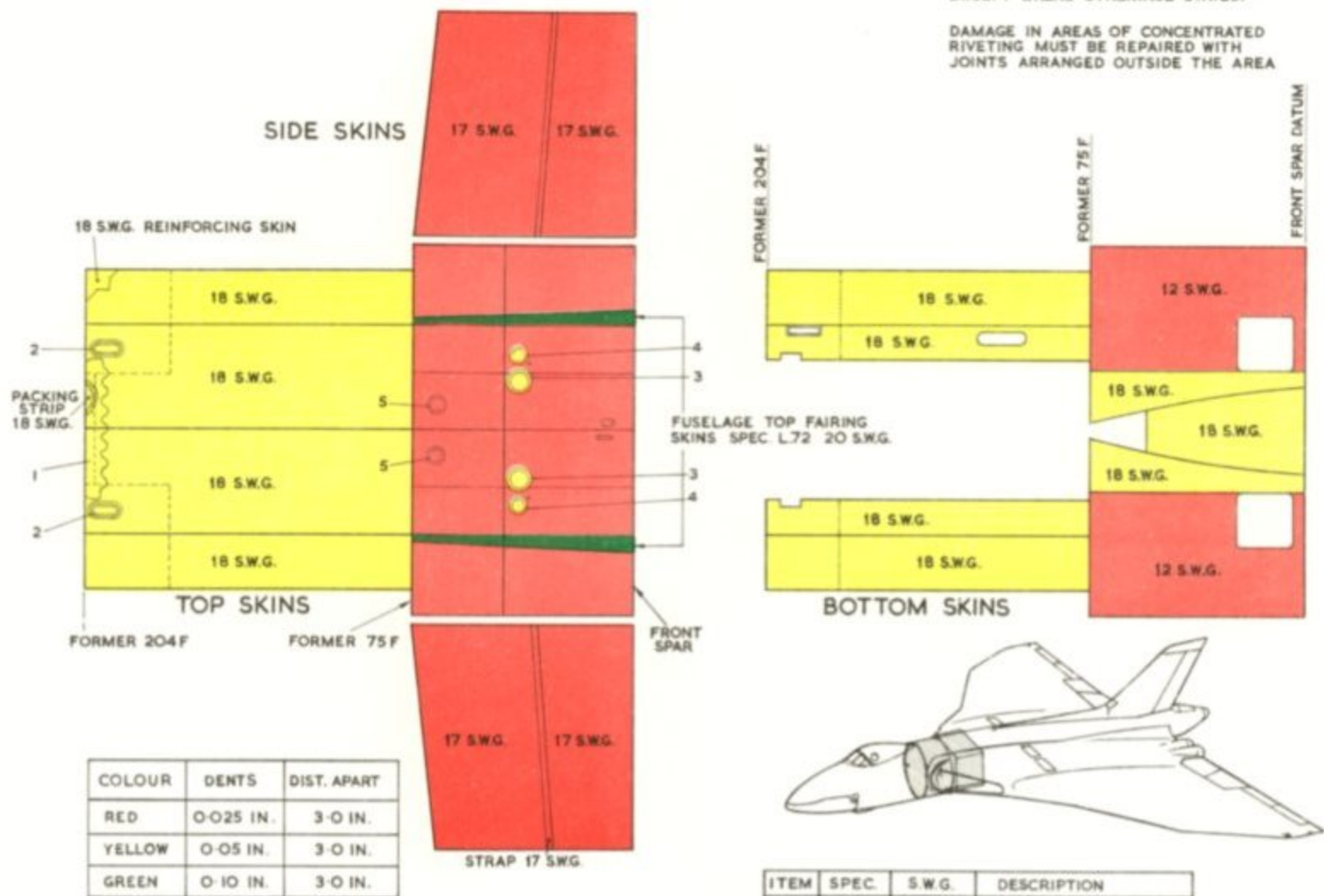
Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes		
				Depth		Diā.	Pitch Ratio	
1	L. 72	24	Intercostal	0.05	3.0	0.25	6:1	105, 115
2	L. 72	18	Intercostal	0.05	3.0	0.25	8:1	105, 108, 115
3	L. 72	20	Former	0.05	3.0	0.25	4:1	105, 115
4	L. 72	27/SS. 1793	Angle	0.05	3.0	-	-	113
5	L. 72	24	Intercostal	0.1	2.5	0.25	4:1	105, 115
6	L. 72	790/SS. 1793	Top hat member	0.05	3.0	0.25	8:1	-
7	L. 72	20	Channel	x 0.05	3.0	0.25	6:1	-
8	D. T. D. 721A	-	Attachment bracket	x 0.025	3.0	-	-	-
9	L. 83	-	Attachment bracket	x 0.05	3.0	-	-	-
10	D. T. D. 687	-	Channel member	x 0.05	3.0	0.25	6:1	-
11	L. 72	18	Gusset	x 0.05	3.0	-	-	-
12	L. 72	20	Side members	0.05	3.0	0.25	6:1	107, 108
13	D. T. D. 5074	7/B1824	Booms	* 0.025	3.0	-	-	-
14	D. T. D. 687	17	Strap plate	x 0.025	3.0	-	-	-
15	D. T. D. 687	17	Aft web	0.025	3.0	-	-	103, 104
16	D. T. D. 5054	-	Attachment bracket	* -	-	-	-	-
17	L. 72	16	Bracket	x 0.025	3.0	-	-	-
18	D. T. D. 687	735/SS. 1793	Angle	0.05	3.0	-	-	105, 115
19	D. T. D. 687	14	Joint strap	0.025	3.0	-	-	-
20	D. T. D. 118	20	Skin fairing	0.025	3.0	-	-	103, 104
21	L. 72	211/SS. 1793	Stringer	0.025	3.0	0.25	6:1	112
22	L. 72	20	Centre arch web	0.05	3.0	0.25	4:1	105
23	D. T. D. 687	18	Floor skin	0.05	3.0	-	-	103, 104
24	L. 72	18	Angle brackets	x 0.05	3.0	0.25	4:1	-
25	L. 72	16	Attachment brackets	x 0.05	3.0	0.25	6:1	-
26	L. 72	557/SS. 1793	Top angle	0.05	3.0	0.25	4:1	-
27	D. T. D. 687	583/SS. 1793	Stringers	0.025	3.0	0.25	6:1	111
28	L. 72	18	Corner bracket	x 0.05	3.0	0.25	6:1	-
29	L. 72	18	Angle brackets	x 0.05	3.0	0.25	6:1	-
30	L. 72	557/SS. 1793	Bottom angle	0.05	3.0	0.25	6:1	-
31	L. 72	18	Stiffening angle	x 0.05	3.0	0.25	6:1	-
32	D. T. D. 687	12	Floor skin	0.025	6.0	-	-	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches.

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ALL SKINS ARE MADE FROM D.T.D. 687 EXCEPT WHERE OTHERWISE STATED.

DAMAGE IN AREAS OF CONCENTRATED RIVETING MUST BE REPAIRED WITH JOINTS ARRANGED OUTSIDE THE AREA



FOR SKIN REPAIRS SEE FIG. 103-104-116-117

Fig. A 305 No.1 and 2 Tank bays-Skinning (Post Mod. 1787)

KEY TO FIG. A306A (POST MOD.360 AND 2043)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L. 65	274/SS.3075	Bracket	x 0.05	3.0	-	-	-
2	L. 72	18	Angle	0.05	3.0	-	-	113
3	L. 72	429/SS.1793	Stiffener	0.1	2.5	0.25	4:1	108
4	L. 65	395/SS.3075	Reinforcing angle	0.05	3.0	-	-	-
5	D.T.D.5074	8B.1868	Bottom boom	* 0.05	3.0	-	-	-
6	S.99	-	Joint shackle	* 0.05	3.0	-	-	-
7	L. 72	436/SS.1793	Stiffener	x 0.1	2.5	0.25	4:1	108
8	D.T.D.687	6	Joint plate	0.05	3.0	-	-	-
9	D.T.D.687	8	Web	0.05	3.0	1.0	8:1	-
10	L. 72	619/SS.1793	Stiffener	x 0.01	2.5	0.25	4:1	-
11	L. 65	-	Jack support beam	* 0.1	2.5	-	-	-
12	S.99	-	Forging	* 0.5	3.0	-	-	-
13	L. 72	22	Angle	x 0.1	2.5	-	-	-
14	L. 72	20	Bracket	x 0.1	2.5	-	-	-
15	L. 72	16	Bracket	x 0.1	2.5	-	-	-
16	D.T.D.687	14	Stiffening plate	x 0.1	2.5	1.0	8:1	-
17	L. 72	20	Edge member	0.05	3.0	-	-	-
18	L. 72	18	Bracket	x 0.1	2.5	-	-	-
19	L. 72	12	Angle bracket	x 0.1	2.5	-	-	-
20	L. 72	18	Bracket	x 0.1	2.5	-	-	-
21	L. 72	18	Corner bracket	0.1	2.5	0.25	4:1	-
22	L. 72	20	Angle	x 0.05	3.0	-	-	-
23	S.99	-	Joint plate	* 0.05	3.0	-	-	-
24	L. 73	12	Reinforcing plate	0.1	2.5	1.0	8:1	-
25	L. 72	16	Angle	0.05	3.0	-	-	-
26	D.T.D.687	14	Web	0.05	3.0	1.0	8:1	103, 104
27	L. 72	14	Angle	x 0.05	3.0	-	-	-
28	L. 72	12	Reinforcing ring	x 0.1	2.5	-	-	-
29	L. 72	18	Angle	0.05	3.0	-	-	113
30	L. 72	18	Bracket	0.05	2.0	-	-	-
31	S.99	-	Reinforcing plate	* 0.05	3.0	-	-	-
32	L. 65	394/SS.3075	Reinforcing angle	0.05	3.0	-	-	344
33	D.T.D.5054	-	Joint forging	* 0.05	3.0	-	-	-
34	D.T.D.687	14	Angle	0.05	3.0	-	-	-
35	D.T.D.687	12	Web joint plate	0.05	3.0	-	-	-
36	L. 72	20	Button plate	-	-	-	-	-
37	D.T.D.5074	2B.1824	Boom	* 0.05	3.0	-	-	-
38	L. 72	18	Former	0.1	2.5	-	-	-
39	D.T.D.687	10	Channel	0.05	3.0	-	-	-
40	L. 72	12a/SS.1793	Angle	0.05	3.0	-	-	-
41	L. 72	18	Angle	x 0.1	2.5	-	-	-
42	L. 73	14	Plate	0.05	3.0	0.25	4:1	103, 104
43	D.T.D.687	8	Joint plate	0.05	3.0	-	-	-
44	L. 72	20	Angle	x 0.1	2.5	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG. A306A (POST MOD. 360 AND 2043 cont'd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
45	L. 72	155/SS. 1793	Stiffener	x 0.1	2.5	-	-	-
46	D. T. D. 687	8	Reinforcing plate	x 0.1	2.5	1.0	8:1	-
47	L. 72	14	Gusset plate	x 0.1	2.5	-	-	-
48	L. 72	14	Intercostal	x 0.1	2.5	0.25	4:1	-
49	L. 72	16	Angle	x 0.1	2.5	-	-	-
50	L. 72	20	Angle	x 0.1	2.5	-	-	-
51	L. 72	18	Channel	x 0.1	2.5	-	-	-
52	L. 72	16	Intercostal	0.05	3.0	-	-	-
53	L. 72	382/SS. 1793	Bracket	x 0.1	2.5	-	-	-
54	D. T. D. 5054	-	Bracket	0.05	3.0	-	-	-
55	L. 65	-	Channel	* 0.05	3.0	-	-	-
56	L. 72	173/SS. 1793	Bracket	x 0.1	2.5	-	-	-
57	L. 72	16	Packing	x 0.1	2.5	1.0	8:1	-
58	S. 96	-	Forging	* 0.05	3.0	-	-	-
59	L. 73	14	Angle	0.05	3.0	-	-	-
60	L. 72	22	Plate	x -	-	-	-	-
61	D. T. D. 687	18	Butt strap	0.05	3.0	0.25	4:1	-
62	D. T. D. 687	10	Channel	0.1	2.5	-	-	108
63	L. 72	10	Reinforcing plate	x 0.1	2.5	0.25	4:1	-
64	L. 72	20	Intercostal	x 0.1	2.5	-	-	-
65	L. 72	18	Intercostal	x 0.1	2.5	-	-	-
66	L. 65	-	Bracket	x 0.05	2.5	-	-	-
67	D. T. D. 687	595/SS. 1793	Channel	0.1	2.5	0.25	4:1	108
68	L. 72	18	Gusset	x 0.1	2.0	-	-	-
69	L. 72	20	Intercostal	x 0.1	2.5	-	-	-
70	L. 72	18	Bracket	x 0.1	2.5	-	-	-
71	L. 72	18	Bracket	x 0.1	2.5	0.25	4:1	-
72	D. T. D. 5074	397/SS. 3075	Angle	0.1	2.5	-	-	-
73	L. 72	18	Web	0.1	2.5	0.25	4:1	103, 104
74	D. T. D. 5074	399/SS. 3075	Angle	0.1	0.25	-	-	-
75	D. T. D. 5074	-	Bracket	* 0.05	3.0	-	-	-
76	L. 65	357/SS. 3075	Intercostal	0.05	3.0	0.5	6:1	-
77	L. 72	18	Web	0.05	3.0	0.25	6:1	103, 104
78	L. 65	340/SS. 3075	Extrusion	0.05	3.0	-	-	-
79	L. 72	407/SS. 1793	Angle	0.05	3.0	-	-	-
80	L. 72	16	Intercostal	0.05	3.0	0.5	6:1	-
81	D. T. D. 5074	396/SS. 3075	Extrusion	0.05	3.0	-	-	-
82	D. T. D. 5074	399/SS. 3075	Extrusion	0.05	3.0	-	-	-
83	L. 72	16	Intercostal	0.05	3.0	0.5	6:1	-
84	L. 72	16	Stiffener	0.1	2.5	0.25	4:1	108
85	D. T. D. 687	12	Reinforcing plate	0.05	6.0	0.125	8:1	-
86	D. T. D. 687	16	Reinforcing plate	0.05	6.0	0.125	8:1	-
87	L. 72	18	Bracket	0.05	6.0	0.125	8:1	-
88	L. 72	18	Angle	0.05	6.0	0.125	8:1	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

RESTRICTED

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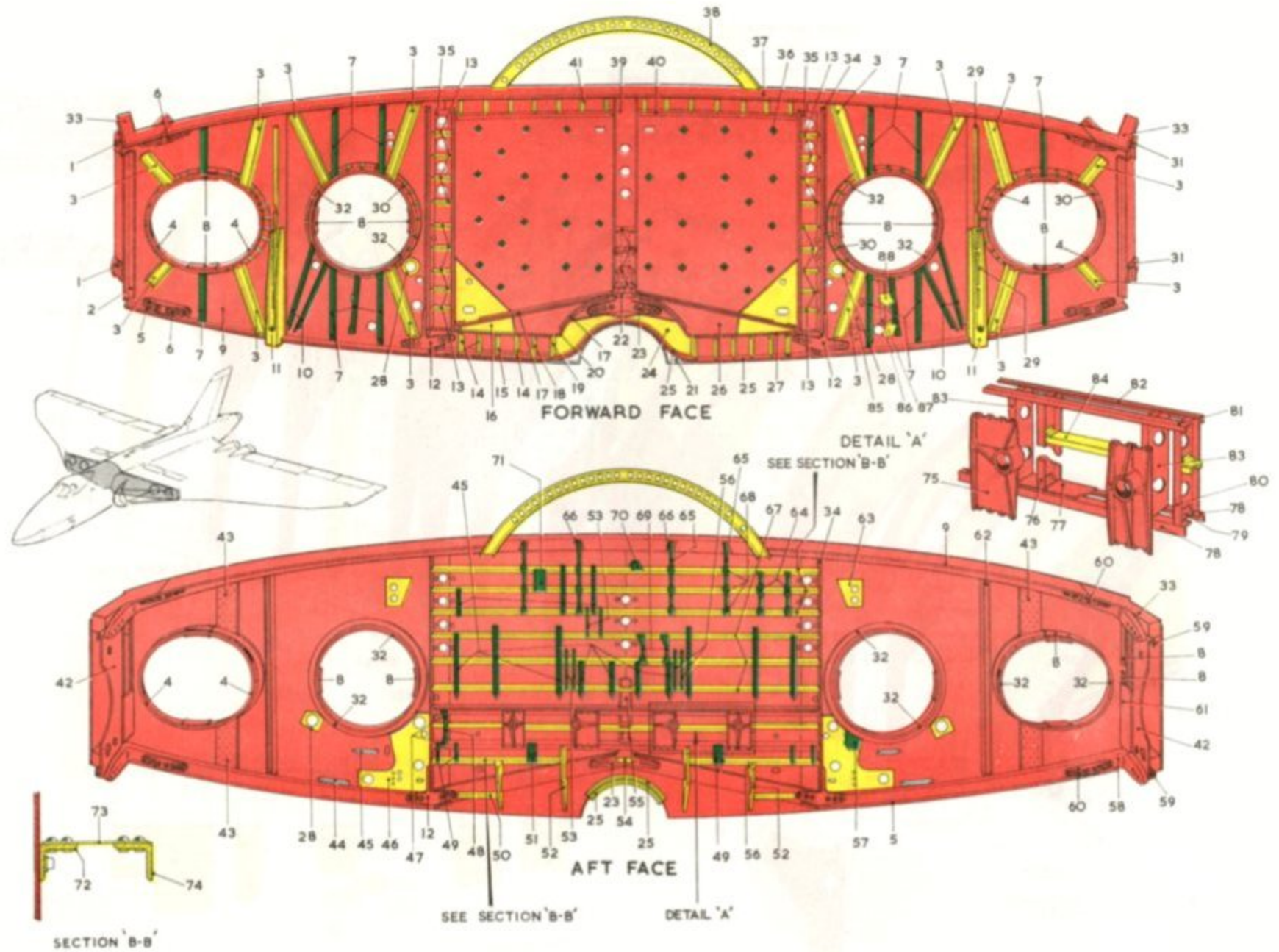


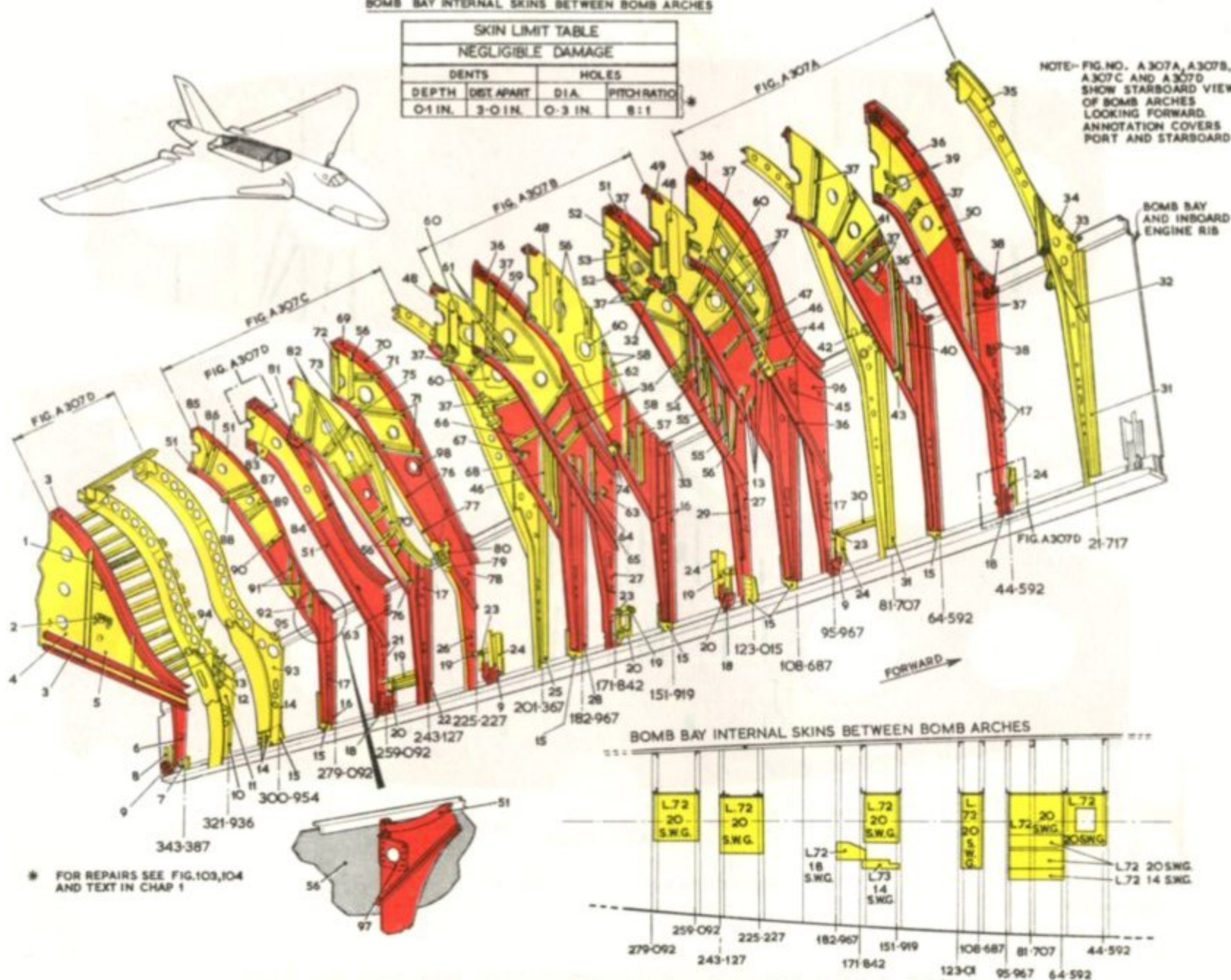
Fig. A306A Front spar centre section (Post Mod. 360 and 2043)

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BOMB BAY INTERNAL SKINS BETWEEN BOMB ARCHES

SKIN LIMIT TABLE			
NEGLECTIBLE DAMAGE			
DENTS		HOLES	
DEPTH	DBT APART	DIA.	PITCH RATIO
0-1 IN.	3-0 IN.	0-3 IN.	8:1

NOTE: FIG. NO. A 307A, A307B, A307C AND A307D SHOW STARBOARD VIEW OF BOMB ARCHES LOOKING FORWARD. ANNOTATION COVERS PORT AND STARBOARD



* FOR REPAIRS SEE FIG.103,104 AND TEXT IN CHAP 1

BOMB BAY INTERNAL SKINS BETWEEN BOMB ARCHES

279-092	243-127	182-967	171-842	151-919	108-687	81-707	44-592
L72 20 S.W.G.	L72 20 S.W.G.	L72 18 S.W.G.	L72 14 S.W.G.	L72 20 S.W.G.	L72 20 S.W.G.	L72 20 S.W.G.	L72 14 S.W.G.

Fig. A307. Bomb Arches. Port. (Post Mod. 526, 893, 895 and 996)

RESTRICTED

KEY TO FIG.A307 (POST MOD.526, 893, 895, 996)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
1	L.72	525/SS.1793	Stiffener	0.2	2.0	-	-	-
2	L.72	20	Bracket	x 0.1	3.0	0.25	4:1	-
3	L.65	402/SS.3075	Angle	0.05	3.0	-	-	-
4	L.72	20	Centre panel	0.05	3.0	0.25	8:1	103, 106
5	L.72	18	Side panel	0.05	3.0	0.25	8:1	103, 106
6	L.72	14	Channel bracket	0.05	3.0	-	-	-
7	L.72	16	Bracket	x 0.1	2.5	-	-	-
8	L.65	343/SS.3075	Support channel	x 0.05	3.0	-	-	-
9	D. T. D. 5054	-	Bracket	* 0.05	3.0	-	-	-
10	L.72	12b/SS.1793	Angle	0.1	2.5	0.25	6:1	113
11	L.72	16	Plate	0.1	2.5	0.25	6:1	-
12	L.72	43/SS.1793	Angle	x 0.1	2.5	0.25	6:1	-
13	L.72	66/SS.1793	Angle	x 0.1	2.5	0.25	6:1	-
14	L.72	729/SS.1793	Angle	x 0.05	3.0	0.25	6:1	-
15	D. T. D. 5054	-	Bracket	* 0.1	2.5	-	-	-
16	L.65	304/SS.3075	Angle	0.05	4.0	-	-	-
17	L.72	18	Reinforcing plate	x 0.1	2.5	-	-	-
18	D. T. D. 5054	-	Bracket	x 0.1	2.5	-	-	-
19	L.72	20	Intercostal	x 0.2	2.0	-	-	-
20	L.72	18	Support channel	x 0.1	2.5	0.3	8:1	-
21	L.72	18	Reinforcing plate	x 0.05	3.0	0.3	8:1	-
22	L.72	18	Angle	0.1	2.5	-	-	-
23	L.72	20	Gusset plate	x 0.2	2.0	-	-	-
24	L.72	16	Support channel	x 0.1	2.5	0.3	8:1	-
25	L.72	12a/SS.1793	Angle	0.05	3.0	-	-	113
26	L.72	18	Reinforcing plate	x -	-	-	-	-
27	L.72	18	Reinforcing plate	x 0.05	3.0	-	-	-
28	L.65	304/SS.3075	Angle	0.1	2.5	-	-	-
29	L.72	16	Angle	x 0.1	2.5	-	-	-
30	L.72	104/SS.1793	Intercostal	x 0.2	2.0	-	-	-
31	L.72	406/SS.1793	Angle	0.1	2.5	0.3	8:1	-
32	L.72	16	Angle	x 0.1	2.5	0.3	8:1	-
33	D. T. D. 5054	-	Bracket	* -	-	-	-	-
34	L.72	20	Angle	x 0.1	2.5	-	-	-
35	L.72	18	Angle	x 0.05	3.0	-	-	-
36	L.65	404/SS.3075	Extrusion	-	-	-	-	-
37	L.72	85/SS.1793	Stiffener	0.05	3.0	0.25	8:1	as 112
38	L.53	-	Bracket	* -	-	-	-	-
39	L.72	16	Bracket	x 0.05	3.0	-	-	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A307 (POST MOD. 526, 893, 895, 996 cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
40	L.65	294/SS.3075	Angle	x 0.05	3.0	0.25	8:1	-
41	L.73	692/SS.1793	Stiffener	x 0.05	3.0	0.25	8:1	-
42	L.72	20	Angle	x 0.05	3.0	-	-	-
43	L.65	-	Crutch bracket	* -	-	-	-	-
44	L.65	23/SS.3075	Stiffener	x 0.05	3.0	0.25	8:1	-
45	L.72	16	Reinforcing plate	x 0.05	2.5	-	-	-
46	L.72	486/SS.1793	Stiffener	0.05	3.0	0.25	8:1	-
47	L.73	16	Reinforcing angle	0.05	3.0	0.25	8:1	-
48	L.73	16	Joint strap	x 0.05	3.0	0.25	8:1	-
49	S.96	-	Joint plate	x -	-	-	-	-
50	L.73	18	Web	0.05	2.5	-	-	103
51	L.65	305/SS.3075	Extrusion	-	-	-	-	-
52	L.72	20	Gusset plate	x 0.05	3.0	0.25	6:1	-
53	L.72	793/SS.1793	Stiffener	0.05	3.0	0.25	6:1	as 112
54	L.72	385/SS.1793	Lipped angle	0.05	3.0	0.25	8:1	-
55	L.72	108/SS.1793	Channel	0.05	3.0	0.25	8:1	-
56	L.72	16	Angle	x 0.05	3.0	0.25	8:1	-
57	L.65	340/SS.3075	Stiffener	x 0.05	3.0	-	-	-
58	L.65	294/SS.3075	Angle	0.05	3.0	-	-	-
59	L.72	600/SS.1793	Angle	0.05	3.0	0.25	8:1	-
60	L.72	14	Reinforcing plate	x 0.05	3.0	0.25	6:1	-
61	L.72	1250/SS.1793	Top hat member	0.05	3.0	0.25	8:1	-
62	L.72	446/SS.1793	Angle	0.05	3.0	0.25	8:1	114
63	L.72	18	Angle	x 0.05	3.0	-	-	-
64	L.65	304/SS.3075	Angle	x 0.05	3.0	-	-	-
65	L.65	306/SS.3075	Angle	x 0.05	3.0	-	-	-
66	L.72	600/SS.1793	Channel	x 0.05	3.0	0.25	8:1	-
67	L.72	247/SS.1793	Angle	x 0.05	3.0	0.25	8:1	113
68	L.72	16	Contour angle	0.05	3.0	-	-	-
69	L.72	12	Joint angle	x -	-	-	-	-
70	L.72	937/SS.1793	Angle	-	-	-	-	-
71	L.72	211/SS.1793	Stiffener	0.05	3.0	0.25	8:1	112
72	L.72	18	Angle	x 0.05	3.0	0.25	8:1	-
73	L.72	18	Strap plate	x 0.05	3.0	-	-	-
74	S.95	-	Bracket	* -	-	-	-	-
75	S.514	18	Angle	-	-	-	-	-
76	L.72	937/SS.1793	Angle	0.05	3.0	-	-	-
77	L.72	12	Angle	0.05	3.0	-	-	-
78	L.72	20	Reinforcing plate	0.05	3.0	-	-	103

* No repairs permitted

x More expedient to renew than repair
All dimensions are quoted in inches**RESTRICTED**

KEY TO FIG.A307 (POST MOD.526, 893, 895, 996 cont'd)

Item	Material Spec.	S.W.G. or Section	Description	Negligible Damage				Repair Fig.
				Dents Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
79	L.72	16	Channel	x 0.05	3.0	-	-	-
80	L.83	-	Support plate	x -	-	-	-	-
81	L.65	356/SS.3075	Angle	x -	-	-	-	-
82	L.72	20	Stiffener	x 0.05	3.0	0.25	8:1	-
83	L.72	14	Angle	x 0.1	2.5	-	-	-
84	L.65	294/SS.3075	Angle	-	-	-	-	-
85	L.72	224/SS.1793	Stiffener	x 0.05	3.0	0.25	8:1	-
86	L.72	16	Joint plate	x 0.05	3.0	0.25	8:1	-
87	L.72	12	Channel	x 0.05	3.0	-	-	-
88	L.65	-	Stiffener	x -	-	-	-	-
89	L.65	314/SS.3075	Stiffener	x -	-	-	-	-
90	L.72	16	Joint member	x 0.05	3.0	-	-	-
91	L.72	14	Angle	x 0.05	3.0	-	-	-
92	L.65	307/SS.3075	Angle	x -	-	-	-	-
93	L.72	16	Side member	0.2	2.0	0.25	5:1	103
94	L.72	16	Bracket	x 0.1	2.5	-	-	-
95	L.72	20	Angle	x 0.2	2.0	-	-	-
96	L.73	16	Reinforcing web	0.05	2.5	-	-	103
97	D.T.D.687	18	Reinforcing plate	x 0.05	3.0	-	-	103
98	L.72	14	Reinforcing plate	x 0.05	3.0	-	-	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A307A (POST MOD.526)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Depth	Dist. Apart	
1	L.72	16	Joint channel	x 0.1	2.5	-	-	-
2	L.72	18	Gusset plate	x 0.1	2.5	-	-	-
3	L.72	16	Former channel	0.1	2.5	-	-	103,106
4	L.72	16	Channel	x 0.05	3.0	-	-	-
5	L.83	-	Bracket	* -	-	-	-	-
6	L.72	16	Vertical member	0.1	2.5	0.25	8:1	104, 106
7	L.72	16	Top hat section	x 0.05	3.0	0.25	6:1	-
8	L.72	18	Angle	0.05	3.0	-	-	-
9	L.72	18	Diaphragm	x 0.2	2.0	-	-	-
10	L.72	14	Stiffening channel	x 0.05	3.0	-	-	-
11	L.65	356/SS.3075	Angle	x 0.05	3.0	-	-	-
12	D. T. D.687	14	Web	0.05	3.0	-	-	103
13	L.72	12	Angle	x 0.05	3.0	-	-	-
14	L.65	343/SS.3075	Angle	x 0.05	3.0	-	-	-
15	L.72	20	Plate	x 0.2	2.0	-	-	-
16	D. T. D.687	14	Angle	x 0.05	3.0	-	-	-
17	L.65	-	Crutching bracket	* -	-	-	-	-
18	L.65	404/SS.3075	Extrusion	-	-	-	-	-
19	L.65	304/SS.3075	Extrusion	-	-	-	-	-
20	L.72	14	Stiffening channel	x 0.1	2.5	-	-	343
21	D. T. D.687A	16	Web	0.1	2.5	0.25	8:1	103
22	L.72	16	Intercostal	0.1	2.5	-	-	-
23	L.65	356/SS.3075	Angle	x 0.05	3.0	-	-	-
24	L.72	20	Shelf	x 0.1	2.5	-	-	-
25	L.65	294/SS.3075	Angle	x 0.05	3.0	-	-	-
26	L.73	692/SS.1793	Stiffener	x 0.05	3.0	0.25	8:1	-
27	L.72	692/SS.1793	Stiffener	x 0.05	3.0	0.25	8:1	-
28	L.72	85/SS.1793	Stiffener	0.05	3.0	0.25	8:1	-
29	L.73	18	Web	0.1	2.5	0.25	8:1	AS 112
30	S.96	-	Joint plate	x -	-	-	-	103
31	L.72	18	Attachment angle	x -	-	-	-	-
32	L.72	18	Channel	0.1	2.5	-	-	-
33	L.72	20	Gusset plate	x 0.05	3.0	0.25	8:1	-
34	L.65	-	Bracket	* -	-	-	-	-
35	L.65	404/SS.3075	Angle	-	-	-	-	-
36	D. T. J.687	18	Web	0.05	3.0	-	-	103
37	L.72	18	Reinforcing plate	x 0.1	2.5	-	-	-
38	L.72	16	Reinforcing plate	x 0.1	2.5	-	-	-
39	L.72	1055/SS.1793	Bracket	x 0.1	2.5	-	-	-
40	L.73	20	Reinforcing web	0.05	3.0	0.25	8:1	103, 106

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A307A (POST MOD.526 cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
41	L. 72	18	Reinforcing web	x 0.1	2.5	0.25	8:1	-
42	L. 72	20	Intercostal	0.2	2.0	0.25	6:1	-
43	L. 72	18	Plate	0.2	2.0	-	-	-
44	L. 72	18	Side member	0.1	2.5	-	-	103
45	L. 72	18	Diaphragm	x 0.1	2.5	-	-	-
46	L. 72	1240/SS.1793	Stiffening angle	0.05	3.0	-	-	-
47	L. 72	16	Joining piece	x 0.05	2.5	-	-	-
48	L. 72	16	Stiffening angle	0.05	3.0	-	-	-
49	L. 72	18	Bracket	x 0.1	2.5	-	-	-
50	L. 72	18	Skin	x 0.05	3.0	-	-	-
51	L. 65	486/SS.3075	Angle	-	-	-	-	-
52	L. 72	10	Angle	-	-	-	-	-
53	L. 65	307/SS.3075	Stiffening angle	-	-	-	-	-
54	L. 72	12	Web	0.05	3.0	-	-	-
55	D. T. D. 687	12	Web	0.05	3.0	-	-	-
56	L. 65	348/SS.3075	Stiffening angle	-	-	-	-	-
57	L. 65	-	Bracket	x -	-	-	-	-
58	L. 72	12	Stiffener	x 0.1	2.5	-	-	-
59	L. 65	-	Crutching block	* 0.1	2.5	-	-	-
60	L. 72	406/SS.1793	Angle	x 0.05	3.0	-	-	-
61	L. 65	191/SS.3075	Angle	x 0.05	3.0	-	-	-
62	D. T. D. 5054	-	Bracket	* -	-	-	-	-
63	L. 72	16	Stiffener	0.05	3.0	-	-	-
64	L. 72	18	Top hat stiffener	0.05	3.0	0.25	8:1	-
65	L. 65	357/SS.3075	Channel	0.05	3.0	-	-	-
66	L. 72	596/SS.1793	Channel	0.2	2.0	-	-	-
67	L. 72	12b/SS.1793	Angle	-	-	-	-	113
68	L. 72	18	Lipped angle	0.2	2.5	-	-	-
69	L. 72	18	Stiffener	0.2	2.0	-	-	-
70	L. 72	20	Stiffener	x 0.2	2.0	-	-	-
71	L. 72	12b/SS.1793	Angle	0.2	2.0	-	-	113
72	L. 72	20	Web	0.2	2.0	0.25	8:1	-
73	L. 72	16	Angle	0.2	2.0	-	-	114
74	L. 72	16	Support tray	0.2	2.0	-	-	-
75	L. 72	16	Bracket	x 0.2	2.0	-	-	-
76	L. 73	18	Channel	0.2	2.0	-	-	-
77	L. 73	16	Channel	x 0.2	2.0	-	-	-
78	L. 72	18	Lipped angle	x -	-	-	-	-
79	L. 72	18	Angle	x 0.2	2.0	-	-	-
80	L. 72	24	Stiffener web	x 0.2	2.0	-	-	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

NOTE: SEE FIG. 349 FOR
DOUBLE WEB REPAIRS

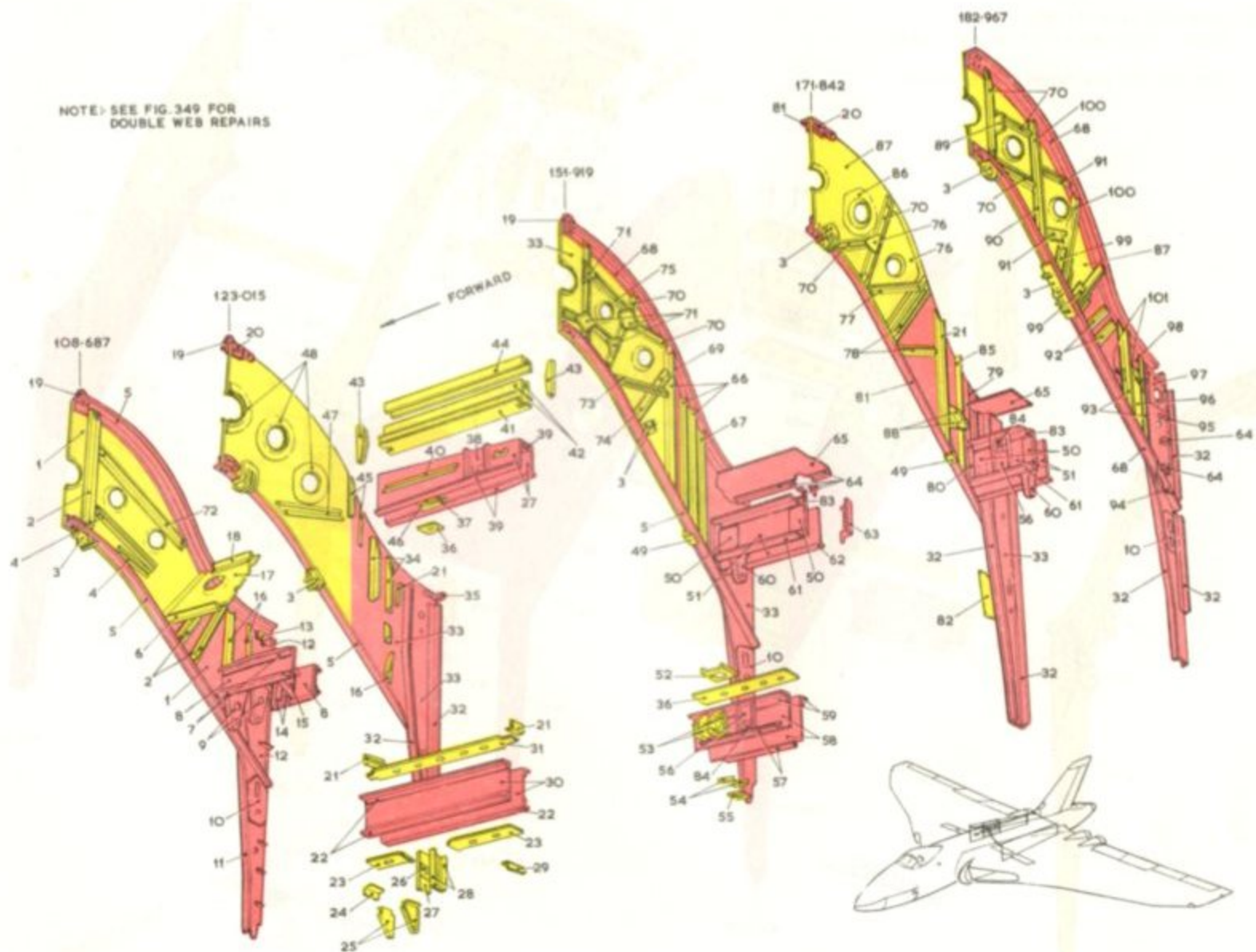


Fig. A307B. Bomb arches—starboard (Post Mod. 895 and 996)

RESTRICTED

KEY TO FIG. A307B (POST MOD.895, 996)

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes	Pitch Ratio	
1	L.73	18	Web	0.1	2.5	0.3	8:1	103, 106, 118
2	L.72	88/SS.1793	Stiffener	0.1	2.5	-	-	-
3	D. T. D. 5054	-	Bracket	* -	-	-	-	-
4	L.72	600/SS.1793	Channel	x 0.1	2.5	0.25	8:1	-
5	L.65	405/SS.3075	Angle member	-	-	-	-	-
6	L.65	23/SS.3075	'T' section	0.05	2.5	-	-	-
7	L.72	525/SS.1793	Boom	x 0.05	3.0	-	-	-
8	L.72	16	Web	0.05	3.0	-	-	-
9	L.65	-	Pivot bracket	* -	-	-	-	-
10	L.72	18	Reinforcing plate	x 0.05	3.0	-	-	-
11	L.65	304/SS.3075	Stiffener	0.1	2.5	-	-	343
12	L.73	16	Reinforcing web	0.05	3.0	0.25	8:1	-
13	L.73	16	Butt strap	x 0.05	3.0	-	-	-
14	S.510	12	Hoisting bracket	* -	-	-	-	-
15	L.72	20	Cross member	x 0.05	3.0	-	-	-
16	L.72	16	Angle	x 0.05	3.0	0.25	8:1	-
17	L.72	20	Web	0.1	2.5	0.25	6:1	103, 106, 118
18	L.72	18	Angle	0.05	2.5	-	-	-
19	L.72	15	Stringer bracket	* -	-	-	-	-
20	S.96	-	Joint plate	x -	-	-	-	-
21	L.72	16	Angle	x 0.05	3.0	-	-	-
22	L.65	294/SS.3675	Angle	-	-	-	-	-
23	L.72	18	Stiffening plate	x 0.05	3.0	0.25	8:1	-
24	L.65	376/SS.3075	Angle	x 0.05	3.0	0.25	8:1	-
25	L.72	18	Bracket	x 0.05	3.0	0.25	8:1	-
26	L.83	-	Boss	* -	-	-	-	-
27	L.72	14	Web	0.05	3.0	0.25	8:1	103
28	L.65	343/SS.3075	Angle	x 0.05	3.0	-	-	-
29	L.65	376/SS.3075	Angle	x 0.05	3.0	-	-	-
30	L.72	16	Web	0.05	3.0	0.25	8:1	103
31	L.72	20	Stiffening plate	0.10	2.0	0.25	8:1	-
32	L.65	304/SS.3075	Stiffener	-	-	-	-	343
33	L.73	18	Web	0.05	3.0	0.25	8:1	103
34	L.65	294/SS.3075	Support angle	x 0.05	3.0	-	-	-
35	D. T. D. 5054	-	Bracket	* -	-	-	-	-
36	L.72	20	Plate	0.2	2.0	-	-	-
37	L.72	60/SS.1793	Angle	x 0.2	2.0	-	-	-
38	L.72	14	Stiffening channel	0.05	3.0	-	-	-
39	L.65	333/SS.3075	Beams	0.05	3.0	-	-	-

* No repairs permitted.
x More expedient to renew than repair.
All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A307B (POST MOD.895, 996 cont'd)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
40	L.72	22	Angle	x -	-	-	-	-
41	L.72	18	Strap plate	x 0.2	2.0	-	-	-
42	L.72	20	Angle	0.2	2.0	-	-	-
43	L.72	20	Bracket	x 0.05	3.0	-	-	-
44	L.72	20	Stiffener	0.2	2.0	-	-	-
45	L.65	353/SS, 3075	Support angle	x 0.05	3.0	-	-	-
46	L.72	20	Angle	x 0.2	2.0	-	-	-
47	L.72	778/SS, 1793	Channel	0.05	3.0	0.25	8:1	-
48	L.72	14	Reinforcing ring	x 0.05	3.0	0.25	8:1	-
49	L.65	-	Bracket	* -	-	-	-	-
50	L.72	6	Packing	x 0.05	3.0	-	-	-
51	L.72	12	Web	0.05	3.0	-	-	-
52	L.72	20	Bracket	x 0.2	2.0	-	-	-
53	L.72	18	Diaphragm	x 0.2	2.0	-	-	-
54	L.72	12	Angle	x 0.2	2.0	-	-	-
55	L.72	20	Mounting plate	x 0.2	2.0	-	-	-
56	L.72	14	Channel	x -	-	-	-	-
57	L.72	12	Angle	x 0.05	3.0	-	-	-
58	D. T. D. 687A	14	Web	0.05	3.0	0.25	8:1	103
59	L.65	356/SS, 3075	Angle	0.05	3.0	-	-	344A
60	L.77	-	Suspension lug	* -	-	-	-	-
61	L.65	348/SS, 3075	Boom	x -	-	-	-	-
62	L.65	486/SS, 3075	Boom	x -	-	-	-	-
63	L.65	362/SS, 3075	Angle	x -	-	-	-	-
64	L.72	18	Angle	x 0.05	3.0	-	-	-
65	L.72	18	Plate	0.05	3.0	-	-	-
66	L.72	602/SS, 1793	Stiffener	0.05	3.0	-	-	-
67	L.73	602/SS, 1793	Stiffener	0.05	3.0	-	-	-
68	L.65	305/SS, 3075	Angle	-	-	-	-	-
69	L.72	446/SS, 1793	Angle	x 0.05	3.0	-	-	-
70	L.72	85/SS, 1793	Stiffener	0.05	3.0	-	-	as 112
71	L.72	20	Gusset	0.05	3.0	0.25	8:1	-
72	L.72	85/SS, 1793	Stiffener	0.10	2.5	0.25	8:1	as 112
73	L.72	93/SS, 1793	Stiffener	0.05	3.0	0.25	8:1	-
74	L.72	446/SS, 1793	Angle	0.05	3.0	0.25	8:1	114
75	L.72	85/SS, 1793	Stiffener	0.05	3.0	0.25	8:1	as 112
76	L.72	18	Gusset plate	x 0.05	3.0	0.25	8:1	-
77	L.72	88/SS, 1793	Stiffening angle	0.05	3.0	-	-	-
78	L.72	18	Stiffener	0.05	3.0	-	-	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A307B (POST MOD.895, 996 cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
79	L.65	324/SS, 3075	Angle	0.05	3.0	-	-	-
80	L.65	324/SS, 3075	Angle	x -	-	-	-	-
81	L.65	404/SS, 3075	Contour angle	-	-	-	-	-
82	L.72	18	Plate	0.05	3.0	0.25	8:1	-
83	L.65	222/SS, 3075	Boom	x -	-	-	-	344
84	S.96	-	Bearing plate	* -	-	-	-	-
85	L.72	385/SS, 1793	Reinforcing angle	0.05	3.0	-	-	-
86	L.72	18	Stiffening ring	x 0.05	3.0	0.25	8:1	-
87	L.73	18	Web	0.1	2.5	0.25	8:1	103, 106, 118
88	L.72	16	Plate	x 0.05	3.0	-	-	-
89	L.72	233/SS, 1793	Plate	x 0.05	3.0	0.25	8:1	-
90	L.72	239/SS, 1793	Angle	0.05	3.0	-	-	-
91	D. T. D. 5054	301/SS, 3075	Stiffener	0.05	3.0	-	-	-
92	L.72	18	Mounting bracket	x 0.05	3.0	-	-	-
93	L.65	340/SS, 3075	Angle	0.05	3.0	-	-	-
94	L.65	-	Attachment plate	0.05	3.0	-	-	-
95	L.72	987/SS, 1793	Angle	x 0.05	3.0	-	-	-
96	L.73	18	Reinforcing web	0.05	3.0	0.25	8:1	-
97	L.73	18	Reinforcing plate	0.05	3.0	0.25	8:1	-
98	L.65	-	Attachment plate	x 0.05	3.0	-	-	-
99	L.65	307/SS, 3075	Angle bracket	0.05	3.0	-	-	-
100	L.65	23/SS, 3075	Stiffener	x 0.05	3.0	-	-	-
101	L.65	-	Packing	-	-	-	-	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A307C (POST MOD.526, 893, 895)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	L.72	16	Joint channel	x 0.05	3.0	-	-	-
2	L.72	18	Bracket	x 0.2	2.0	0.25	8:1	-
3	L.72	16	Former channel	0.05	3.0	-	-	103
4	L.72	16	Vertical member	0.05	3.0	-	-	103
5	L.72	18	Reinforcing plate	x 0.1	2.5	-	-	-
6	D. T. D. 5054	-	Attachment bracket	x -	-	-	-	-
7	L.72	1240/SS.1793	Reinforcing angle	0.05	3.0	-	-	-
8	L.72	18	Strap	0.05	3.0	-	-	-
9	L.72	937/SS.1793	Angle	0.05	3.0	-	-	-
10	L.72	1028/SS.1793	Channel	0.05	3.0	-	-	-
11	L.72	18	Web	0.05	3.0	0.25	8:1	103
12	L.72	85/SS.1793	Stiffener	0.05	3.0	0.25	8:1	-
13	L.72	12	Angle	0.05	3.0	-	-	-
14	L.72	524/SS.1793	Angle	0.1	2.5	-	-	-
15	L.83	-	Bracket	-	-	-	-	-
16	L.72	18	Channel	0.05	3.0	-	-	-
17	L.72	12b/SS.1793	Angle	0.05	3.0	-	-	-
18	S.510	12	Hoisting bracket	* -	-	-	-	-
19	L.65	-	Pivot bracket	* -	-	-	-	-
20	L.72	525/SS.1793	Angle	0.05	3.0	-	-	-
21	L.72	16	Web	0.05	3.0	-	-	103
22	L.72	20	Stiffener	0.05	3.0	0.25	8:1	-
23	L.72	18	Reinforcing ring	x 0.1	2.5	-	-	-
24	L.72	13b/SS.1793	Angle	x 0.05	3.0	0.25	8:1	-
25	L.72	18	Doubling plate	0.1	2.5	0.25	8:1	-
26	L.72	18	Web	0.1	2.5	0.25	8:1	-
27	L.72	14	Channel	0.05	3.0	0.25	8:1	-
28	L.72	18	Gusset plate	x 0.1	2.5	-	-	-
29	L.72	18	Web	0.1	2.5	-	-	-
30	L.72	20	Reinforcing plate	0.05	3.0	-	-	103
31	L.72	14	Reinforcing plate	0.1	2.5	-	-	-
32	L.72	211/SS.1793	Top hat stiffener	0.05	3.0	0.25	8:1	112
33	L.72	937/SS.1793	Angle	-	-	-	-	-
34	L.72	692/SS.1793	Channel	0.05	3.0	0.25	8:1	-
35	L.65	356/SS.3075	Angle	0.1	2.5	-	-	-
36	L.72	16	Doubling plate	0.05	3.0	-	-	-
37	L.77	-	Bracket	-	-	-	-	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A307C (POST MOD.526, 893, 895 cont'd)

Item	Material		Description	Negligible Damage			Repair Fig.
	Spec.	S, W, G, or Section		Dents	Holes		
				Depth	Dist. Apart	Dia.	Pitch Ratio
38	L. 72	18	Reinforcing plate	0.05	3.0	-	-
39	L. 72	18	Diaphragm	x 0.1	2.5	0.25	8:1
40	L. 72	16	Channel	x 0.05	3.0	-	-
41	D. T. D. 687	14	Web	0.05	3.0	-	-
42	L. 72	12b/SS. 1793	Angle	x 0.05	3.0	-	-
43	L. 65	356/SS. 3075	Angle	x 0.05	3.0	-	-
44	L. 72	18	Plate	x 0.2	2.0	0.25	8:1
45	L. 65	304/SS. 3075	Angle	-	-	-	-
46	L. 65	-	Beam	* -	-	-	-
	or						
	D. T. D. 5054						
47	L. 72	16	Plate	x 0.05	3.0	-	-
48	D. T. D. 687	14	Attachment angle	x 0.05	3.0	-	-
49	L. 65	163/SS. 3075	Angle	x 0.05	3.0	-	-
50	L. 83	-	Bearing plate	x -	-	-	-
51	L. 72	20	Mounting plate	x 0.05	3.0	-	-
52	L. 73	16	Centre web	0.05	3.0	0.25	8:1
53	L. 72	385/SS. 1793	Stiffener	0.05	3.0	0.25	8:1
54	S. 96	-	Joint plate	-	-	-	-
55	L. 65	305/SS. 3075	Extrusion	-	-	-	-
56	L. 72	14	Attachment angle	0.1	2.5	-	-
57	L. 65	314/SS. 3075	Stiffener	x 0.05	3.0	-	-
58	L. 73	16	Reinforcing web	0.05	3.0	0.25	8:1
59	L. 72	16	Joint stiffener	0.05	3.0	0.25	8:1
60	L. 65	-	Crutching bracket	* -	-	-	-
61	L. 65	294/SS. 3075	Stiffener	0.05	3.0	-	-
62	L. 72	18	Reinforcing plate	0.05	3.0	-	-
63	L. 65	304/SS. 3075	Angle	0.05	3.0	-	-
64	D. T. D. 687	12	Reinforcing plate	0.1	2.5	-	-
65	L. 65	307/SS. 3075	Angle	-	-	-	-
66	L. 72	16	Angle	-	-	-	-
67	L. 65	314/SS. 3075	Angle	0.05	3.0	-	-
68	L. 73	16	Reinforcing web	0.05	3.0	0.25	8:1
69	L. 72	12	Channel	0.05	3.0	-	-
70	D. T. D. 687	14	Reinforcing web	0.05	3.0	-	-
71	D. T. D. 687	18	Web	0.05	3.0	0.3	8:1

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

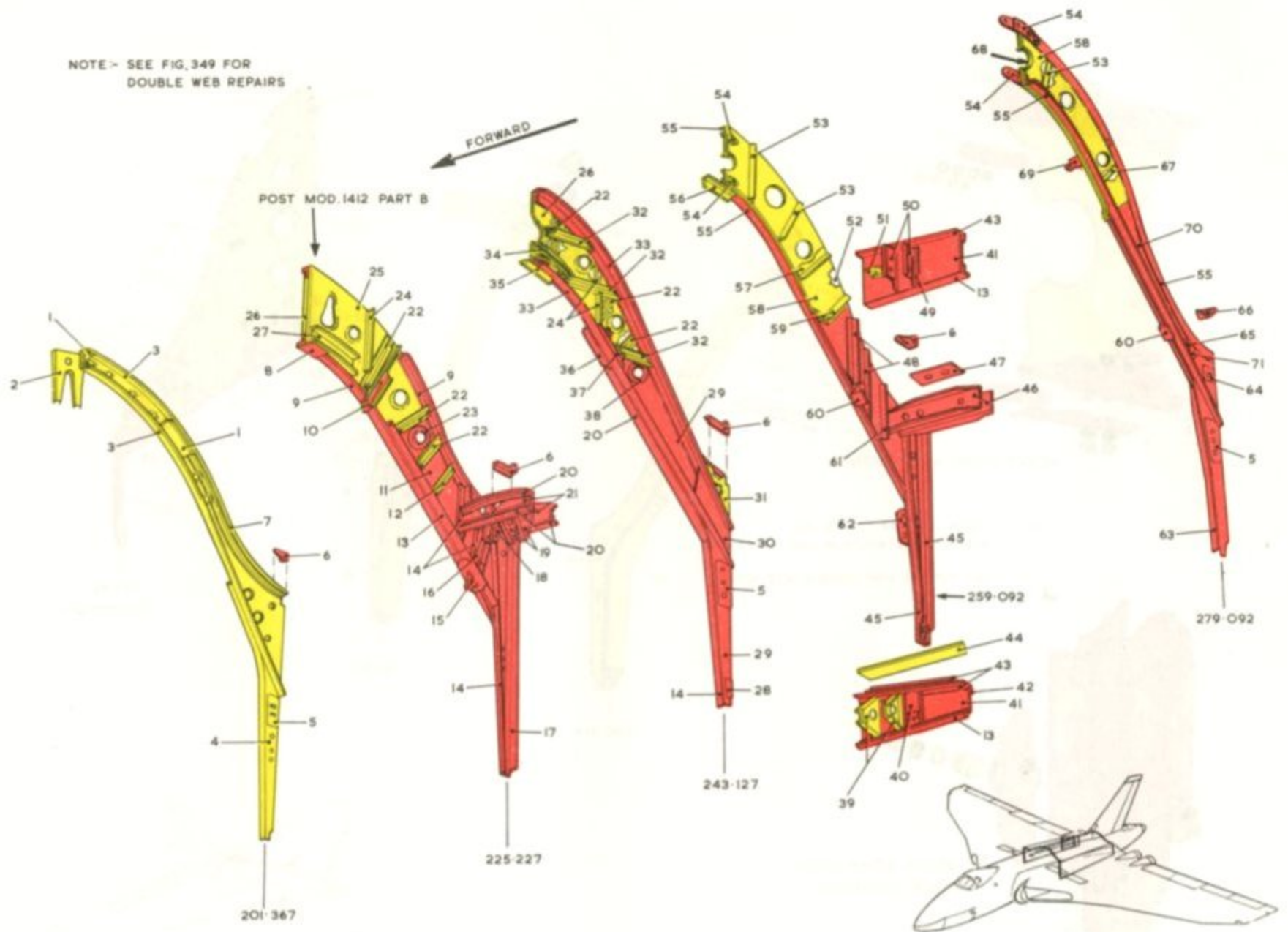


Fig. A307C. Bomb arches - starboard (Post Mod. 526, 893 and 895)

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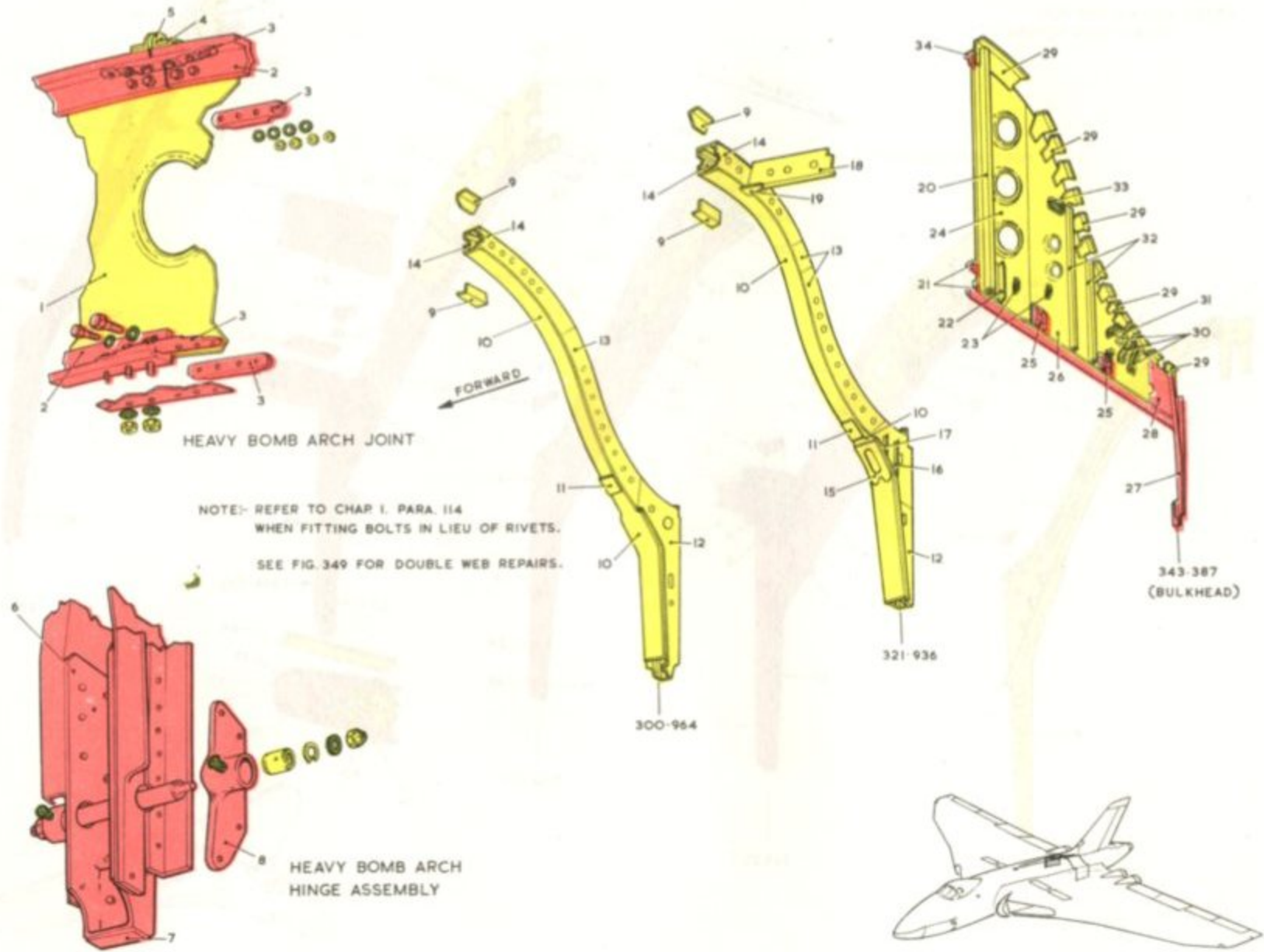


Fig. A. 307D. Bomb arches - starboard (Post Mod. 526 and 996)

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KEY TO FIG. A307D (POST MOD.526, 996)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
1	L.73	16	Centre web	0.1	2.5	0.25	8:1	103, 106
2	L.65	305/SS. 3075	Extrusion	-	-	-	-	-
3	S.96	-	Joint plate	-	-	-	-	-
4	L.72	10	Packing	x 0.1	2.5	0.25	5:1	-
5	L.72	16	Stringer bracket	x 0.05	2.0	-	-	-
6	D. T. D. 5054	-	Attachment bracket	* -	-	-	-	-
7	L.72	20	Packing	-	-	-	-	-
8	D. T. D. 5054	-	Bearing bracket	* -	-	-	-	-
9	L.72	14	Joint angle	x 0.1	2.5	-	-	-
10	L.72	16	Skin	0.1	2.5	0.25	5:1	-
11	L.72	16	Joint plate	x 0.05	3.0	-	-	-
12	L.72	16	Side member	0.2	2.0	0.25	5:1	103
13	L.72	16	Channel	0.1	2.5	-	-	105, 107
14	L.72	16	Channel	0.1	2.5	-	-	-
15	L.72	12	Doubler plate	0.05	3.0	-	-	-
16	L.72	73/SS. 1793	Stiffening angle	0.05	3.0	0.25	8:1	113
17	L.72	66/SS. 1793	Stiffening angle	x 0.05	3.0	0.25	8:1	-
18	L.72	20	Intercostal	0.2	2.0	0.25	5:1	106, 115
19	L.72	18	Gusset plate	x 0.1	2.5	-	-	-
20	L.72	308/SS. 1793	Stiffener	0.1	2.5	-	-	-
21	L.65	402/SS. 3075	Cross member	-	-	-	-	-
22	L.65 or L.85	262/SS. 3075	Angle	x -	-	-	-	-
23	L.72	18	Mounting bracket	x -	-	-	-	-
24	L.72	20	Centre panel	0.05	3.0	0.25	8:1	103, 106
25	L.65 or D. T. D. 5054	-	Bearing	* -	-	-	-	-
26	L.72	18	Skin panel	0.05	3.0	0.25	8:1	103, 106
27	L.72	14	Channel bracket	0.05	3.0	-	-	-
28	L.72	18	Doubling plate	0.05	3.0	-	-	-
29	L.72	18	Contour angle	x 0.1	2.5	-	-	-
30	L.72	486/SS. 1793	Stiffener	0.05	3.0	0.25	8:1	-
31	D. T. D. 687	12	Stiffening ring	x 0.05	3.0	-	-	-
32	L.72	410/SS. 1793	Stiffener	0.1	2.5	-	-	-
33	D. T. D. 687	12	Stiffening ring	x 0.2	2.0	-	-	-
34	L.72	16	Jointing angle	x 0.05	3.0	-	-	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches.

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.50, Aug.67

KEY TO FIG. A308 (POST MOD.200, 1084 AND 1447)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L.72	16	Edge member	0.05	4.0	0.25	8:1	-
2	L.72	18	Angle	* 0.05	4.0	0.125	8:1	-
3	L.72	18	Web	0.1	3.0	0.25	8:1	103
4	L.72	14	Angle	* 0.05	4.0	0.125	8:1	-
5	L.72	18	Angle	* 0.1	2.5	-	-	-
6	L.72	22	Rib	0.1	2.5	0.25	6:1	107
7	L.72	22	Rib	0.05	3.0	0.25	8:1	107
8	L.72	16	Rib	0.1	2.5	0.25	6:1	107
9	L.72	20	Rib	2.5	2.5	0.25	6:1	107
10	L.72	20	Diaphragm	0.05	3.0	0.25	8:1	-
11	L.72	20	Riblet	0.1	2.5	0.25	6:1	-
12	L.72	18	Diaphragm	0.5	2.0	0.25	8:1	-
13	L.72	18	Rib	0.1	2.5	0.25	6:1	107
14	L.72	18	Rib	0.1	4.0	0.25	8:1	107
15	L.72	22	Rib	0.1	3.0	0.25	6:1	107
16	L.72	20	Rib	0.1	3.0	0.25	6:1	107
17	L.72	16	Rib	0.1	3.0	0.25	6:1	107
18	L.72	14	Intercostal	0.1	4.0	0.25	8:1	115
19	L.72	22	Intercostal	0.1	3.0	0.25	4:1	115
20	L.72	16	Channel hinge member	0.05	4.0	0.25	8:1	-
21	L.72	16	Rib	0.05	6.0	0.25	10:1	107
22	L.72	16	Intercostal	0.1	6.0	0.25	8:1	115
23	L.72	18	Bracket	* 0.05	-	-	-	-
24	L.72	16	Hinge member	0.05	4.0	0.25	8:1	-
25	D.T.D.731	-	Rib	x 0.05	6.0	-	-	-
26	L.72	22	Intercostal	0.15	3.0	0.25	4:1	115
27	L.72	20	Bracket	* 0.05	-	-	-	-
28	L.72	20	Intercostal	0.1	4.0	0.25	4:1	115
29	L.72	22	Rib	0.1	6.0	0.25	10:1	107
30	L.72	16	Rib	0.05	6.0	-	-	107
31	L.65	567/SS.3075	Boom	0.02	6.0	0.125	4:1	-
32	L.72	22	Intercostal	0.1	4.0	0.25	4:1	115
33	L.72	20	Rib	0.1	4.0	0.25	8:1	107
34	L.72	18	Seal member	0.02	6.0	0.25	4:1	-
35	L.72	16	Web	0.05	6.0	0.25	8:1	103
36	L.72	1006/SS.1793	Angle	* 0.02	4.0	0.125	6:1	-
37	L.72	18	Intercostal	0.05	4.0	0.25	8:1	115
38	L.72	18	Web	0.05	4.0	0.25	8:1	103
39	L.72	16	Doubling plate	* 0.05	4.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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KEY TO FIG. A308 (POST MOD.200, 1084 AND 1447) - (continued)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes		
				Depth		Dia.		
40	L. 72	247/SS.1793	Angle	* 0.02	6.0	0.125	4:1	-
41	L. 72	14	Rib	0.05	6.0	-	-	107
42	L. 72	20	Intercostal	0.05	3.0	0.25	4:1	115
43	L. 72	1006/SS.1793	Angle	* 0.05	3.0	0.125	4:1	-
44	L. 72	18	Edge member	0.05	6.0	-	-	-
45	L. 72	16	Web	0.05	6.0	-	-	103
46	L. 72	16	Intercostal	0.1	4.0	0.125	8:1	115
47	L. 72	14	Angle	x 0.02	4.0	0.125	8:1	-
48	L. 72	18	Angle	x 0.02	-	-	-	-
49	L. 72	22	Rib	0.1	4.0	0.25	8:1	107
50	L. 72	16	Bracket	x 0.05	-	-	-	-
51	L. 72	16	Rib	0.05	4.0	0.25	8:1	107
52	L. 72	18	Intercostal	0.05	6.0	-	-	115
53	L. 72	66/SS.1793	Angle	x 0.05	6.0	0.125	4:1	-
54	L. 72	22	Rib	0.1	6.0	0.25	8:1	107
55	L. 72	14	Frame	0.02	4.0	0.125	8:1	-
56	L. 72	20	Rib	0.1	6.0	0.25	4:1	107
57	L. 72	22	Rib	0.1	6.0	0.25	4:1	107
58	L. 72	22	Rib	0.05	6.0	0.25	4:1	107
59	L. 72	16	Intercostal	0.1	4.0	0.25	4:1	115
60	L. 72	14	Angle	x 0.05	6.0	0.125	8:1	-
61	L. 72	16	Web	0.1	3.0	0.25	8:1	103
62	L. 72	16	Angle	x 0.05	4.0	0.125	8:1	-
63	L. 72	20	Angle	x 0.05	4.0	0.125	8:1	-
64	L. 72	948/SS.1793	Angle	x 0.02	-	-	-	-
65	L. 72	20	Angle	x 0.02	-	-	-	-
66	L. 72	925/SS.1793	Angle	x 0.02	-	-	-	-
67	L. 72	133/SS.1793	Angle	x 0.02	-	-	-	-
68	L. 72	16	Joint plate	x 0.02	3.0	-	-	-
69	L. 72	18	Seal attachment channel	0.1	3.0	0.25	8:1	-
70	S. 98	-	Fwd. hook fitting	* -	-	-	-	-
71	D.T.D.130	-	Hinge bracket	* -	-	-	-	-
72	S. 95	-	Hinge bracket	* -	-	-	-	-
73	D.T.D.130	-	Lug	* -	-	-	-	-
74	S. 98	-	Rear hook fitting	* -	-	-	-	-
75	L. 72	18	Angle	x 0.05	4.0	0.125	8:1	-
76	L. 72	18	Angle	x 0.05	4.0	-	-	-
77	L. 72	16	Angle	x 0.05	4.0	-	-	-

* No repairs permitted
 x More expedient to renew than repair
 All dimensions are quoted in inches

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A.P.101B-1900-6A, Part I, App. I, Chap. 3

AL 50, Aug. 67

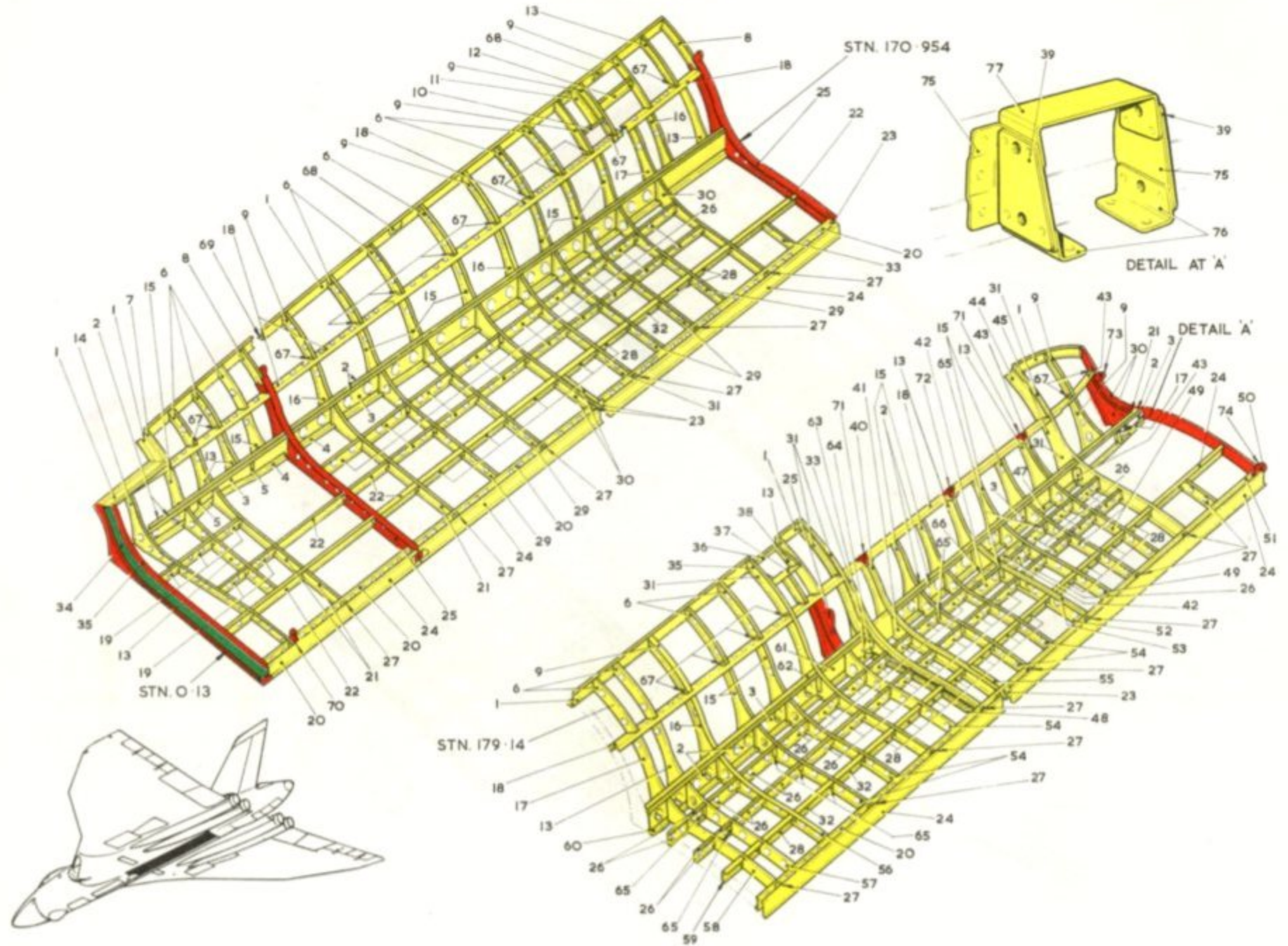


Fig. A308. Bomb bay fairing door-port (Post mod. 200, 1084 and 1447)

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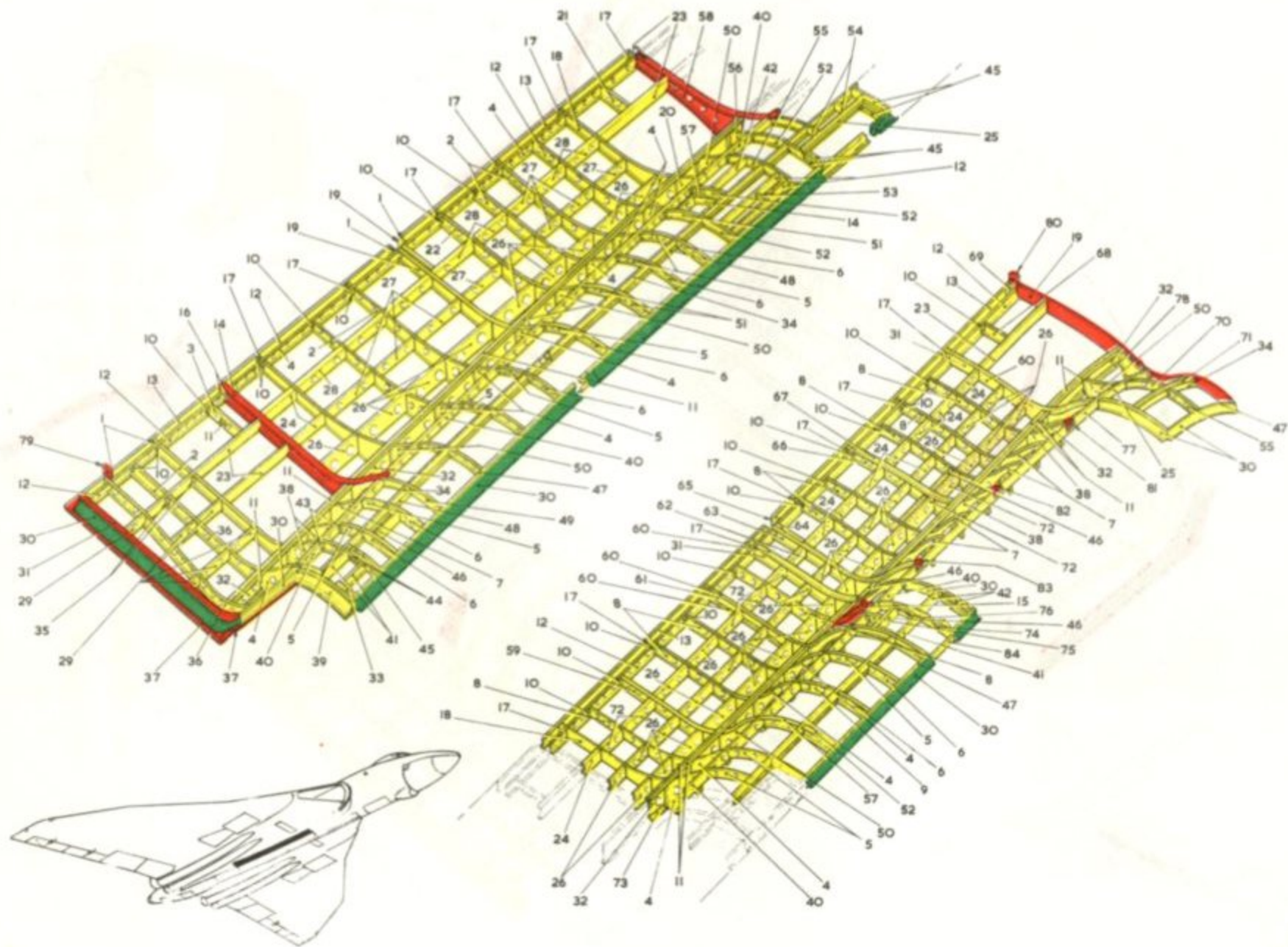


Fig. A308A Bomb bay fairing door - starboard (Post mod. 200, IOB4, IOB5, I213 and I671)

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.50, Aug.67

KEY TO FIG. A308A (POST MOD.200, 1084, 1085, 1213 AND 1671)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio	
1	L.72	18	Bracket	0.05	-	-	-	-
2	L.72	22	Rib	0.1	6.0	0.25	10:1	107
3	L.72	22	Rib	0.1	6.0	0.25	8:1	107
4	L.72	22	Rib	0.1	3.0	0.25	6:1	107
5	L.72	22	Rib	0.1	2.5	0.25	6:1	107
6	L.72	22	Rib	0.05	4.0	0.25	4:1	107
7	L.72	22	Rib	0.1	3.0	0.25	6:1	107
8	L.72	22	Rib	0.1	6.0	0.25	10:1	107
9	L.72	22	Rib	0.1	2.5	0.25	4:1	107
10	L.72	18	Angle	* 0.02	-	-	-	-
11	L.72	18	Angle	* 0.05	4.0	0.125	8:1	-
12	L.72	16	Diaphragm	0.05	4.0	0.25	8:1	-
13	L.72	16	'Z' Hinge member	0.05	4.0	0.25	8:1	-
14	D.T.D.731	-	Rib	* 0.05	6.0	-	-	-
15	D.T.D.731	-	Rib	* 0.05	3.0	-	-	-
16	L.72	12c/SS, 1793	Bracket	* 0.02	-	-	-	-
17	L.72	20	Bracket	* 0.05	-	-	-	-
18	L.72	16	Rib	0.05	6.0	0.25	10:1	107
19	L.72	16	Rib	0.05	6.0	-	-	107
20	L.72	16	Rib	0.1	3.0	0.25	6:1	107
21	L.72	20	Rib	0.1	4.0	0.25	8:1	107
22	L.72	20	Rib	0.1	6.0	0.25	10:1	107
23	L.72	16	Intercostal	0.1	6.0	0.25	8:1	115
24	L.72	16	Intercostal	0.1	4.0	0.25	4:1	115
25	L.72	16	Intercostal	0.05	4.0	0.25	8:1	115
26	L.72	22	Intercostal	0.1	4.0	0.25	4:1	115
27	L.72	22	Intercostal	0.15	3.0	0.25	4:1	115
28	L.72	20	Intercostal	0.15	3.0	0.25	4:1	115
29	L.72	22	Intercostal	0.1	3.0	0.25	4:1	115
30	L.72	18	Seal member	0.02	6.0	0.25	4:1	-
31	L.72	16	Web	0.05	6.0	0.25	8:1	103
32	L.72	18	Web	0.1	3.0	0.25	8:1	103
33	L.72	20	Web	0.05	3.0	0.25	8:1	103
34	L.72	16	Web	0.05	4.0	0.25	8:1	103
35	L.72	22	Angle	* 0.02	-	-	-	-

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG. A308A (POST MOD.200, 1084, 1085, 1213 AND 1671) - (continued)

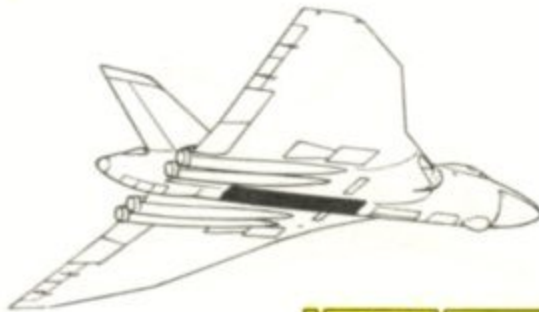
Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes		
				Depth		Dia.		
36	L.72	18	Rib	0.1	0.1	0.25	8:1	107
37	L.72	16	Support member	0.05	0.05	0.125	8:1	-
38	L.72	18	Rib	0.1	3.0	0.25	6:1	107
39	L.72	12a/SS.1793	Angle	* 0.02	-	-	-	-
40	L.72	14	Intercostal	0.1	4.0	0.25	8:1	115
41	L.72	18	Diaphragm	0.05	4.0	0.25	4:1	-
42	L.72	18	Diaphragm	0.05	4.0	0.25	8:1	-
43	L.72	13b/SS.1793	Angle	* 0.02	-	-	-	-
44	L.72	839/SS.1793	Angle	* 0.02	-	-	-	-
45	L.72	18	Rib	0.5	4.0	0.25	4:1	107
46	L.72	18	Intercostal	0.5	4.0	0.25	4:1	115
47	L.72	18	Inner seal member	0.5	4.0	0.25	8:1	-
48	L.72	16	Angle	* 0.5	4.0	0.125	8:1	-
49	L.72	14	Rib	0.1	3.0	0.25	6:1	107
50	L.72	20	Rib	0.1	3.0	0.25	6:1	107
51	L.72	20	Rib	0.1	2.5	0.25	6:1	107
52	L.72	20	Rib	0.05	4.0	0.25	4:1	107
53	L.72	20	Diaphragm	0.05	4.0	-	-	-
54	L.72	18	Rib	0.05	4.0	-	-	107
55	L.72	20	Rib	0.05	4.0	0.25	4:1	107
56	L.72	18	Rib	0.1	3.0	0.25	6:1	107
57	L.72	20	Diaphragm	0.05	4.0	0.25	8:1	-
58	L.72	20	Rib	0.05	3.0	0.25	4:1	107
59	L.72	20	Rib	0.1	6.0	0.25	10:1	107
60	L.77	567/SS.3075	Boom	0.02	6.0	0.125	4:1	-
61	L.72	16	Web	0.05	6.0	0.25	10:1	-
62	L.72	20	Intercostal	0.1	4.0	0.25	4:1	115
63	L.72	14	Rib	0.05	6.0	0.25	10:1	107
64	L.72	14	Rib	0.02	4.0	0.125	8:1	107
65	L.72	18	Bracket	* 0.05	-	-	-	-
66	L.72	18	Rib	0.05	6.0	-	-	107
67	L.72	66/SS.1793	Angle	* 0.02	6.0	0.125	4:1	-
68	L.72	20	Rib	0.1	6.0	0.25	8:1	107
69	L.72	16	Bracket	* 0.05	-	-	-	-
70	L.72	20	Rib	0.05	4.0	0.25	4:1	107

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

RESTRICTED



LIMIT TABLE FOR
A AND B

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	—	—
YELLOW	0.1	6.0
GREEN	—	—

ALL DIMENSIONS IN INCHES

SKIN REFERENCE

LETTER	S.W.G.	MAT. SPEC.
A	20	L72
B	18	L72
C	16	L72
D	16	D.T.D.687
E	18	D.T.D.687
F	18	5.521

LIMIT TABLE FOR
C, D, E, AND F

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	—	—
YELLOW	0.05	6.0
GREEN	—	—

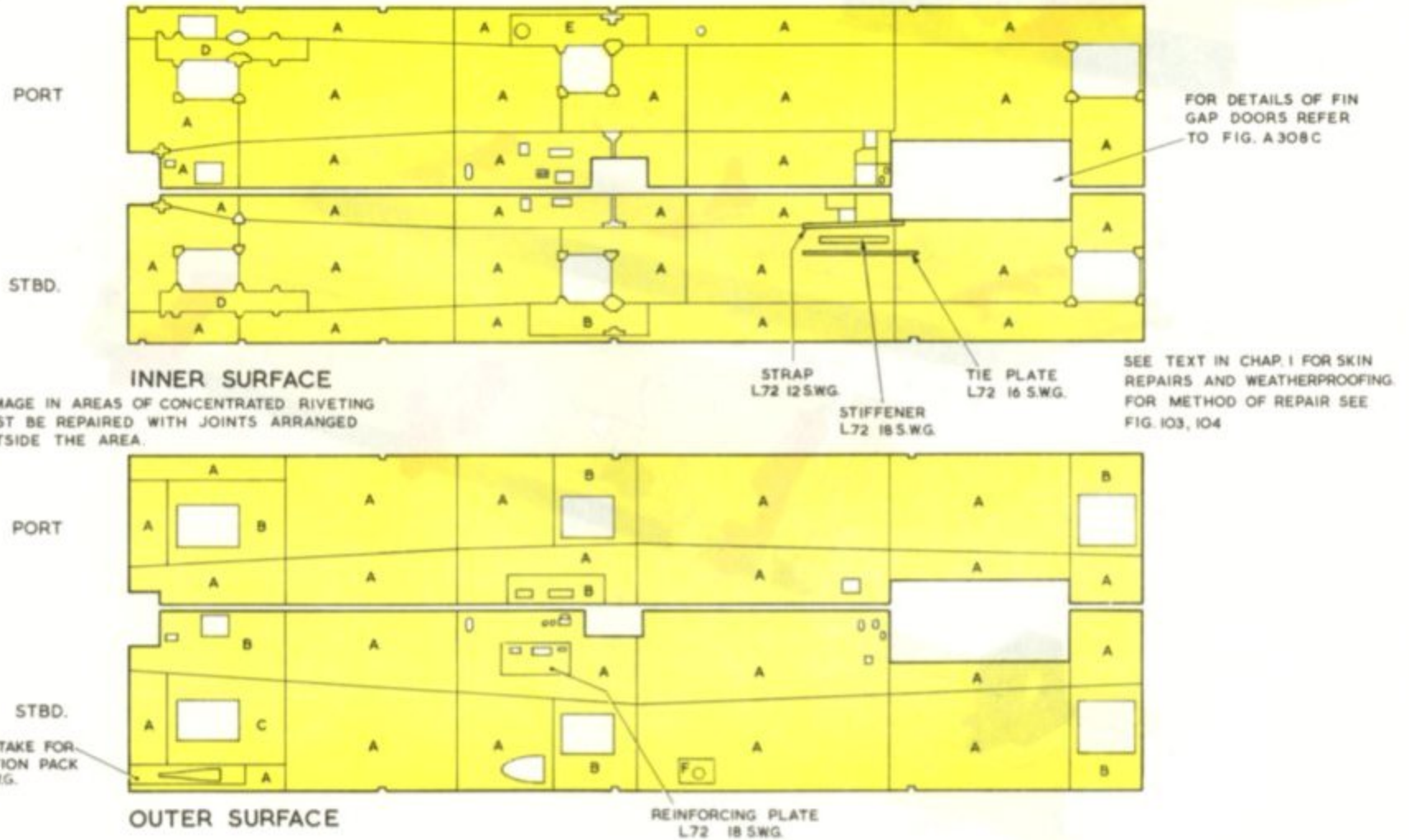


FIG. A 308B Bomb bay fairing doors - skinning (Post mod. 200)

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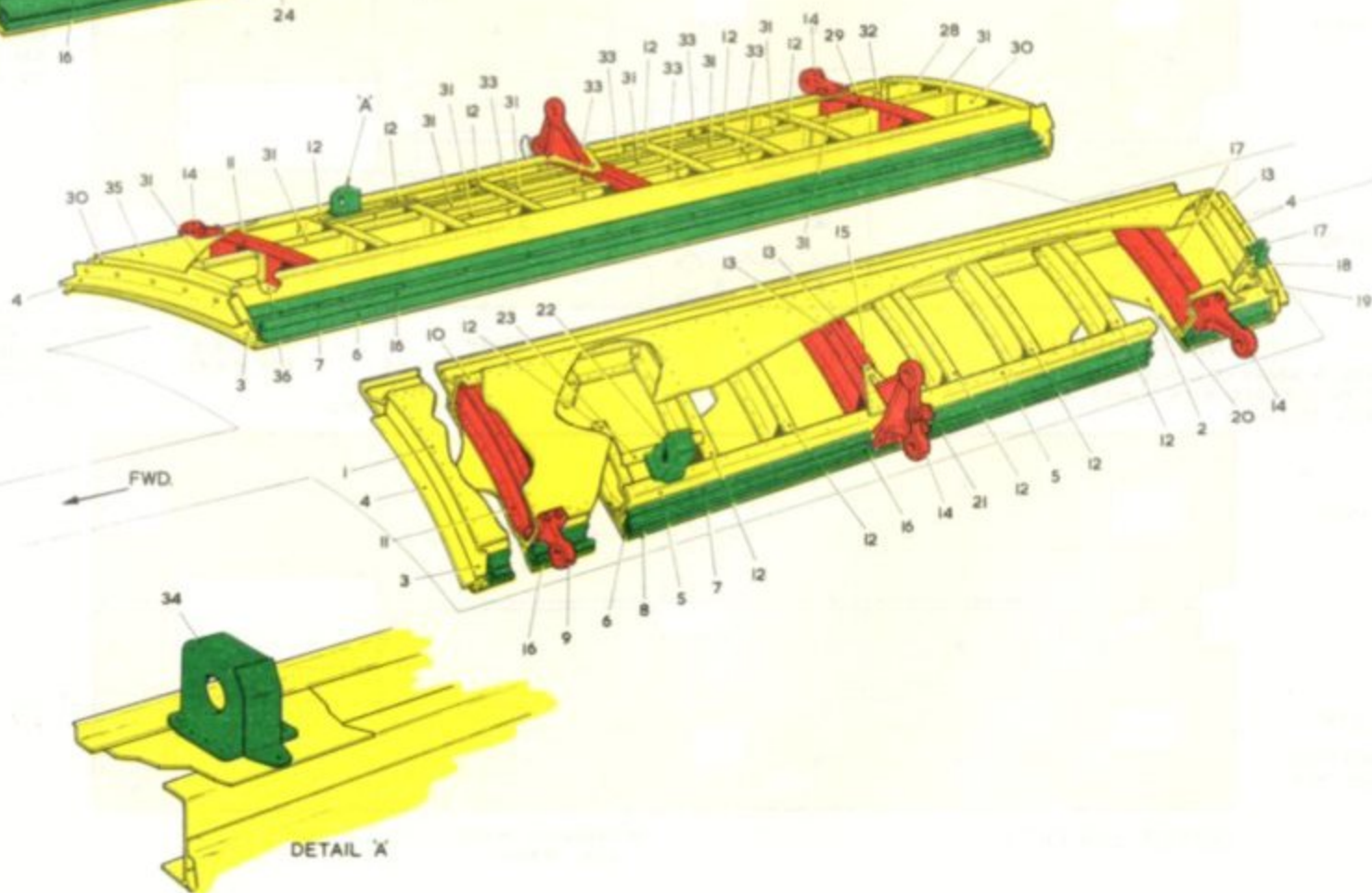
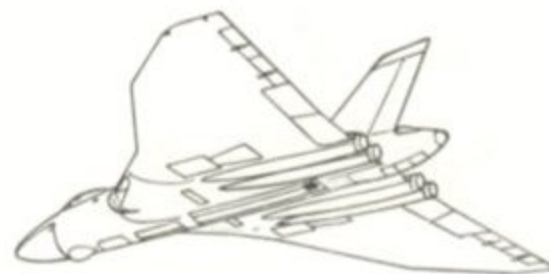
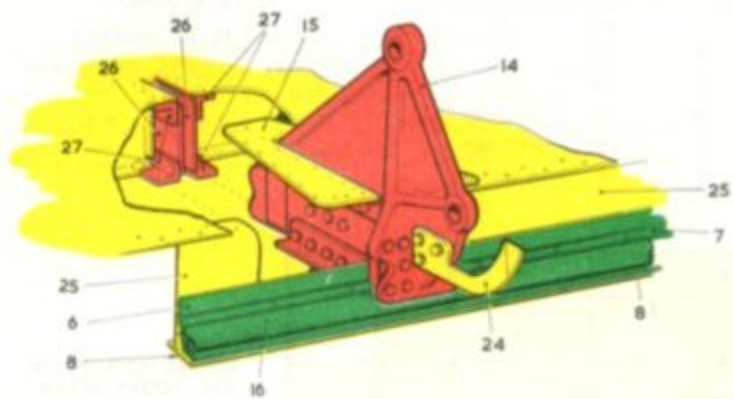


Fig. A308C Bomb bay fin gap doors (Post Mod. 200)

RESTRICTED

RESTRICTED

A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.52, Jan.68

KEY TO FIG. A308C (POST MOD.200)

Item	Material		Description	Dents	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Depth	Dist. Apart	Holes	
1	L.72	22	Skin - top	0.1	3.0	0.25	8:1	103, 104
2	L.72	22	Skin - bottom	0.1	3.0	-	-	103, 104
3	L.72	16	Front rib	0.05	3.0	0.25	8:1	-
4	L.65	273/SS.3075 or 333/SS.3075	Seal angle	0.1	3.0	-	-	-
5	L.72	16	Channel	0.1	3.0	0.25	8:1	108
6	L.72	20	Seal member	0.1	3.0	-	-	-
7	L.72	18	Seal backing strip	x 0.1	3.0	-	-	-
8	L.72	18	Seal attachment angle	x 0.1	3.0	-	-	-
9	D.T.D.731	-	Forward hinge	* -	-	-	-	-
10	L.72	20	Channel	0.1	3.0	0.25	8:1	108
11	L.72	20	Hinge rib	0.1	3.0	0.25	8:1	-
12	L.72	22	Intermediate rib	0.1	3.0	0.25	8:1	-
13	L.72	16	Rib	0.1	3.0	0.25	8:1	-
14	D.T.D.731	-	Hinge fitting	* -	-	-	-	-
15	L.72	22	Gusset plate	x 0.1	3.0	-	-	-
16	-	-	'P' seal 1/SS.4656	-	-	-	-	341
17	L.72	20	Bracket	x 0.1	3.0	-	-	-
18	L.72	20	Attachment angle	x 0.1	3.0	-	-	-
19	L.59	20	Seal box	-	-	-	-	-
20	L.72	20	Angle	x 0.1	3.0	-	-	113
21	L.83	-	Trip	* -	-	-	-	-
22	S.514	20	Bracket	0.1	3.0	0.25	8:1	-
23	S.510	18	Stiffening member	x 0.1	3.0	0.25	8:1	-
24	L.83	-	Hom trip	* -	-	-	-	-
25	L.72	18	Hinge channel	0.1	3.0	0.25	8:1	108
26	L.72	18	Rib web	0.1	3.0	0.25	8:1	108
27	L.65	0.125 in.	Angle	0.1	3.0	-	-	-
28	L.72	20	Rib web	0.1	3.0	0.25	8:1	108
29	L.72	20	Angle	0.1	3.0	0.25	8:1	-
30	L.72	16	End rib	0.1	3.0	0.25	8:1	-
31	L.72	22	Intercostal	0.1	3.0	0.25	8:1	115
32	L.72	18	Angle	x 0.1	3.0	0.25	8:1	-
33	L.72	20	Angle	x 0.1	3.0	0.25	8:1	-
34	S.514	20	Bracket	0.1	3.0	-	-	-
35	L.72	22	Skin - top	0.1	3.0	0.25	8:1	103, 104
36	L.72	20	Skin - bottom	0.1	3.0	-	-	103, 104

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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KEY TO FIG. A.308D (POST MOD.200, 1085 AND 1671)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes		Pitch Ratio	
				Depth	Dist. Apart	Dia.		
1	L. 72	20	Sealing decking	0.2	2.0	0.25	6:1	-
2	L. 72	18	Deck support member	x 0.15	2.0	0.3	5:1	-
3	L. 72	18	Angle	0.15	2.0	0.3	5:1	-
4	L. 72	839/SS.1793	Angle	0.15	2.0	0.3	5:1	-
5	L. 72	16	Support channel	0.1	2.5	0.25	8:1	-
6	L. 72	18	Angle	x 0.15	2.0	-	-	-
7	L. 72	18	Rib	0.05	3.0	-	-	-
8	L. 72	18	Angle	0.15	2.0	0.3	5:1	-
9	L. 72	18	Attachment bracket	x 0.15	2.0	-	-	-
10	L. 72	16	Deck support member	0.1	2.5	0.25	8:1	-
11	L. 72	8	Strip	0.05	3.0	-	-	-
12	L. 72	16	Web	0.1	2.5	0.3	8:1	-
13	L. 72	18	Lower seal handling member	-	-	0.3	5:1	-
14	L. 72	18	Flange	0.15	2.0	0.3	5:1	-
15	L. 72	12c/SS.1793	Angle	x 0.15	2.0	-	-	-
16	L. 72	16	Plate	0.1	2.5	0.3	8:1	-
17	L. 72	16	Stiffener	0.1	2.5	0.25	8:1	-
18	L. 65	-	Half guide block	* -	-	-	-	-
19	S. 95	-	Hinge bracket	* -	-	-	-	-
20	L. 72	13b/SS.1793	Bracket	x 0.1	2.5	-	-	-
21	L. 72	18	Rib	0.15	2.0	0.3	5:1	-
22	L. 72	20	Intercostal	0.15	2.0	0.25	4:1	108
23	D. T. D. 130	-	Support bracket	* 0.05	3.0	-	-	-
24	D. T. D. 731	-	End plug	* -	-	-	-	-
25	L. 62	-	Strut	* -	-	-	-	-
26	L. 72	16	Reinforcing angle	0.1	2.5	0.25	8:1	-
27	L. 72	14	Channel	0.05	3.0	0.25	8:1	-
28	L. 72	22	Edge stiffener	-	-	0.25	6:1	-
29	L. 72	22	Stiffener	0.2	2.0	0.25	6:1	108
30	L. 72	18	Door	0.1	2.5	0.25	6:1	-
31	L. 72	22	Bracket	x 0.2	2.0	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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A.P.101B-1900-6A, Part 1, App. 1, Chap.3
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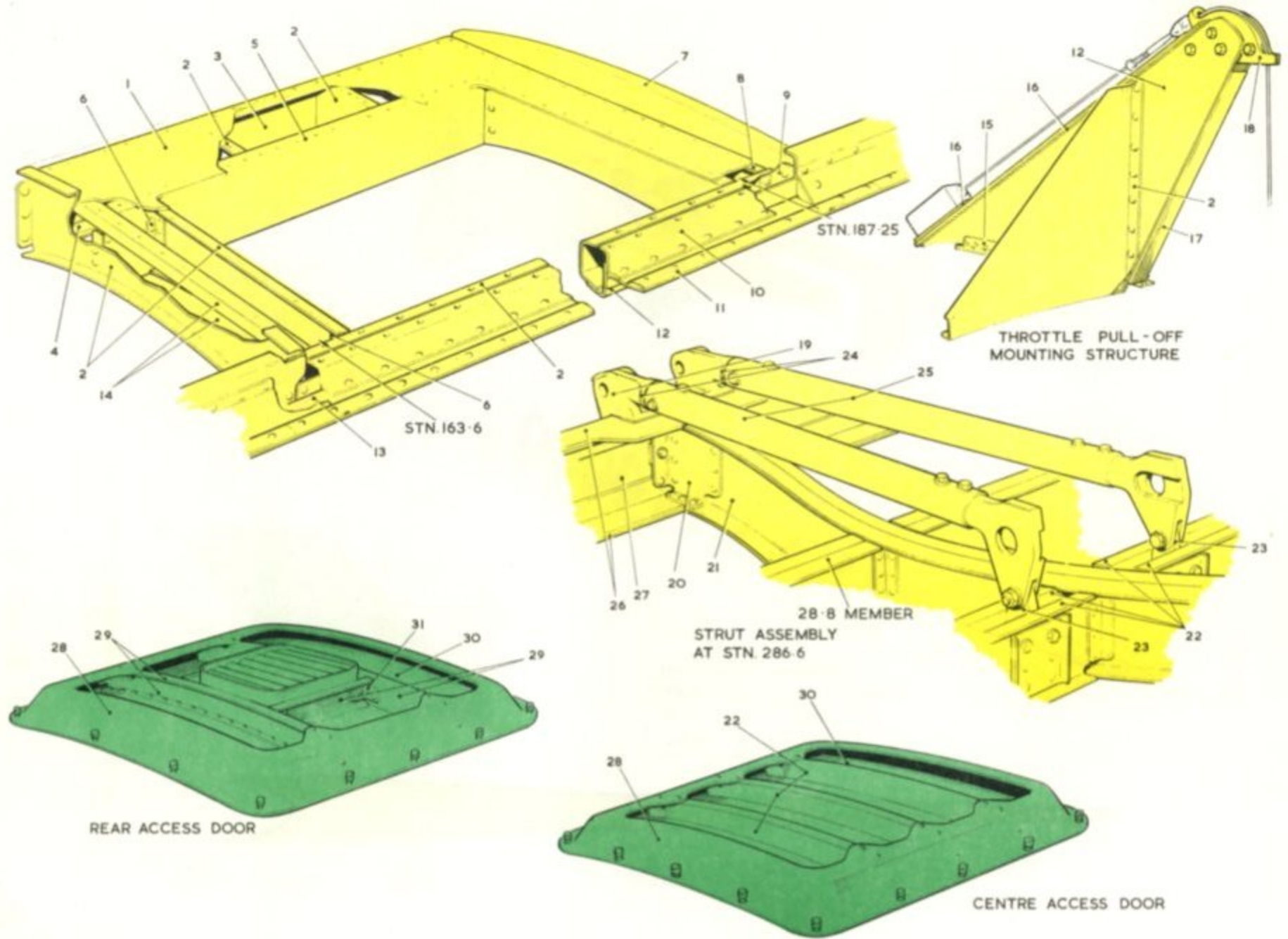


Fig. A308D Bomb bay fairing doors details (Post mod. 200, 1085 and 1671)

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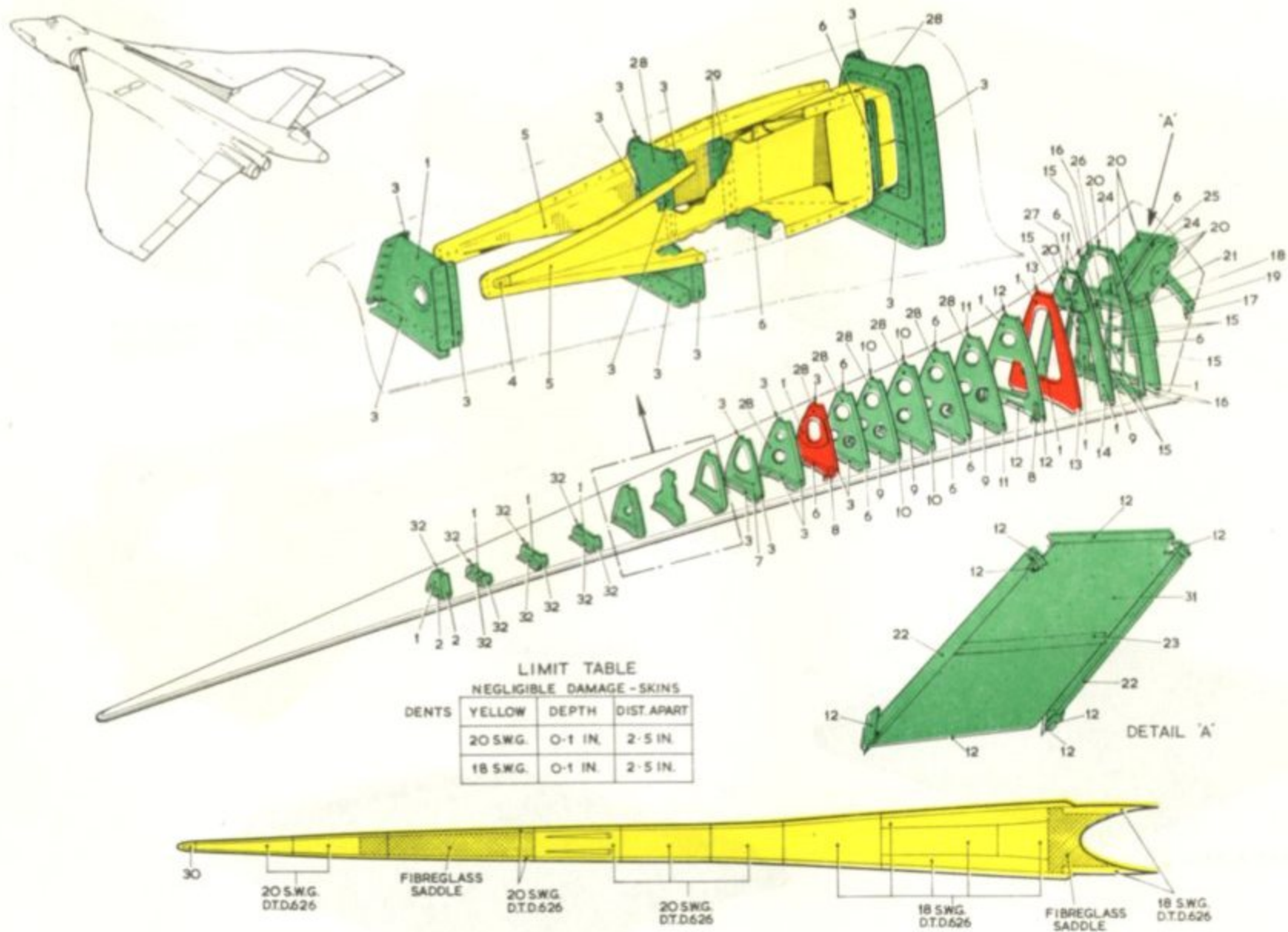


Fig. A309. Dorsal fin - structure - skins

RESTRICTED

KEY TO FIG. A309

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L. 72	22	Web	x 0.15	2.5	0.25	4:1	-
2	L. 72	22	Angle	x 0.15	2.5	-	-	-
3	L. 72	22	Angle	x 0.1	2.5	-	-	113
4	L. 72	20	Fairing piece	x 0.1	2.5	-	-	-
5	L. 59	20	Intake	0.1	3.0	-	-	-
6	L. 72	20	Angle	0.1	2.5	-	-	113
7	L. 72	24	Web	0.2	2.0	0.25	4:1	-
8	L. 65 or D. T. D. 5054	Forging	Bracket	* -	-	-	-	-
9	L. 72	112/SS. 1793	Angle	0.1	2.5	-	-	113
10	L. 72	12d/SS. 1793	Angle	0.1	2.5	-	-	113
11	L. 72	13b/SS. 1793	Angle	0.1	2.5	-	-	113
12	L. 72	18	Angle	x 0.1	2.5	-	-	113
13	L. 72	13b/SS. 1793	Angle	0.1	3.0	-	-	113
14	L. 72	20	Bracket	x 0.1	2.5	-	-	-
15	L. 72	65/SS. 1793	Angle	0.1	2.5	-	-	113
16	L. 72	12a/SS. 1793	Angle	0.1	2.5	-	-	113
17	L. 72	18	Bracket	x 0.1	2.5	-	-	-
18	L. 72	852/SS. 1793	Angle	0.1	2.5	-	-	108
19	L. 72	294/SS. 1793	Top hat section	x 0.1	2.5	0.125	6:1	-
20	L. 72	20	Gusset plate	x 0.1	2.5	0.125	6:1	-
21	L. 72	18	Gusset plate	x 0.1	2.5	0.125	6:1	-
22	L. 72	501/SS. 1793	Channel	x 0.1	2.5	0.125	6:1	-
23	L. 72	620/SS. 1793	Angle	x 0.1	2.5	0.125	6:1	-
24	L. 72	287/SS. 1793	Bridge support	x 0.1	2.5	-	-	-
25	L. 72	60/SS. 1793	Angle	x 0.1	2.5	-	-	113
26	L. 72	18	Channel	x 0.1	2.5	-	-	108
27	L. 72	194/SS. 1793	Channel	x 0.1	2.5	-	-	-
28	L. 72	24	Web	0.15	2.5	0.25	4:1	105
29	L. 72	280/SS. 1793	Angle	x 0.1	2.5	-	-	-
30	L. 72	20	End pressing	x 0.1	3.0	-	-	-
31	L. 72	22	Web	0.15	2.5	0.25	6:1	103, 104
32	L. 72	22	Angle	x 0.1	2.5	-	-	113

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A310

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L. 72	26	Rubbing plate	-	-	-	-	-
2	S. 99	-	Shackle	-	-	-	-	-
3	D. T. D. 5054	Forging	Joint forging	*	-	-	-	-
4	L. 72	386/SS. 1793	Angle	0.1	2.5	0.25	4:1	-
5	D. T. D. 687	16	Capping plate	0.05	3.0	-	-	-
6	D. T. D. 5074	12B/1635	Top boom	*	-	-	-	-
7	D. T. D. 687	17	Angle	0.1	2.5	0.25	4:1	113
8	L. 72	18	Angle	x 0.1	2.5	-	-	-
9	D. T. D. 687	12	Stiffening ring	x 0.05	3.0	0.25	4:1	-
10	D. T. D. 687	12	Web	0.15	3.0	1.0	8:1	-
11	L. 72	18	Angle	0.1	2.5	0.25	4:1	113
12	D. T. D. 687	10	Ring	x 0.05	3.0	0.25	4:1	-
13	D. T. D. 687	12	Joint channel	0.05	3.0	-	-	-
14	S. 99	Forging	Ring	0.05	3.0	-	-	-
15	D. T. D. 687	16	Gusset plate	0.05	3.0	-	-	-
16	S. 96	-	Ring joint section	*	-	-	-	-
17	D. T. D. 5074	13B/1635	Bottom boom	*	-	-	-	-
18	L. 72	18	Diaphragm	0.1	2.5	0.25	4:1	-
19	D. T. D. 687	10	Joint plate	0.05	3.0	-	-	-
20	L. 82	-	Channel	0.025	4.0	0.25	8:1	-
21	D. T. D. 687	12	Web	0.05	4.0	0.25	8:1	-
22	L. 82	14	Bottom channel	0.05	4.0	0.25	8:1	-
23	L. 72	20	Angle	0.1	2.5	0.25	4:1	113
24	L. 65	274/SS. 3075	Sealing angle	0.05	4.0	-	-	-
25	L. 72	18	Stiffener	0.1	2.5	0.25	4:1	-
26	L. 72	20	Pressing	0.1	2.5	0.25	4:1	-
27	L. 72	16	Stiffener	0.05	4.0	0.25	8:1	-
28	L. 73	14	Reinforcing plate	x 0.05	4.0	0.25	8:1	-
29	L. 73	14	Channel	0.05	4.0	0.25	8:1	-
30	L. 72	14	Stiffener web	0.025	4.0	-	-	-
31	D. T. D. 5054	Forging	Bearing	*	-	-	-	-
32	S. 99	-	Joint shackle	*	-	-	-	-
33	D. T. D. 5054	-	Bracket	*	-	-	-	-
34	L. 72	12	Bracket	x 0.05	3.0	0.25	8:1	-
35	D. T. D. 687	10	Web	0.05	3.0	1.0	8:1	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A310 (cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
36	L. 65	462/SS. 3075	Bracket	x 0.05	3.0	0.25	8:1	-
37	L. 72	24	Angle	0.05	3.0	0.25	6:1	-
38	L. 65	406/SS. 3075	Bracket	x -	-	-	-	-
39	L. 77	-	Fin post support member	* -	-	-	-	-
40	L. 72	85/SS. 1793	Angle	x 0.1	2.5	0.25	4:1	-
41	D. T.D. 687	12	Web	0.1	2.5	1.0	8:1	-
42	L. 65	12	Bracket	x 0.05	3.0	0.25	8:1	-
43	L. 72	249/SS. 1793	Angle	0.05	3.0	-	-	-
44	L. 73	14	Reinforcing plate	x 0.05	3.0	-	-	-
45	S. 514	14	Skin	0.1	3.0	0.5	4:1	-
46	L. 72	16	Angle	0.1	2.5	0.25	4:1	-
47	L. 72	108/SS. 1793	Stiffener	0.1	2.5	-	-	-
48	L. 73	10	Reinforcing plate	0.025	4.0	0.25	8:1	-
49	L. 73	10	Reinforcing plate	0.05	3.0	1.0	8:1	-
50	L. 72	108/SS. 1793	Stiffener	0.1	2.5	0.25	4:1	-
51	L. 72	12a/SS. 1793	Angle	0.1	2.5	0.25	4:1	113

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

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A.P. 101B - 1900 - 6A, Part 1, App. 1, Chap. 3
A.L. 51, Oct. 57

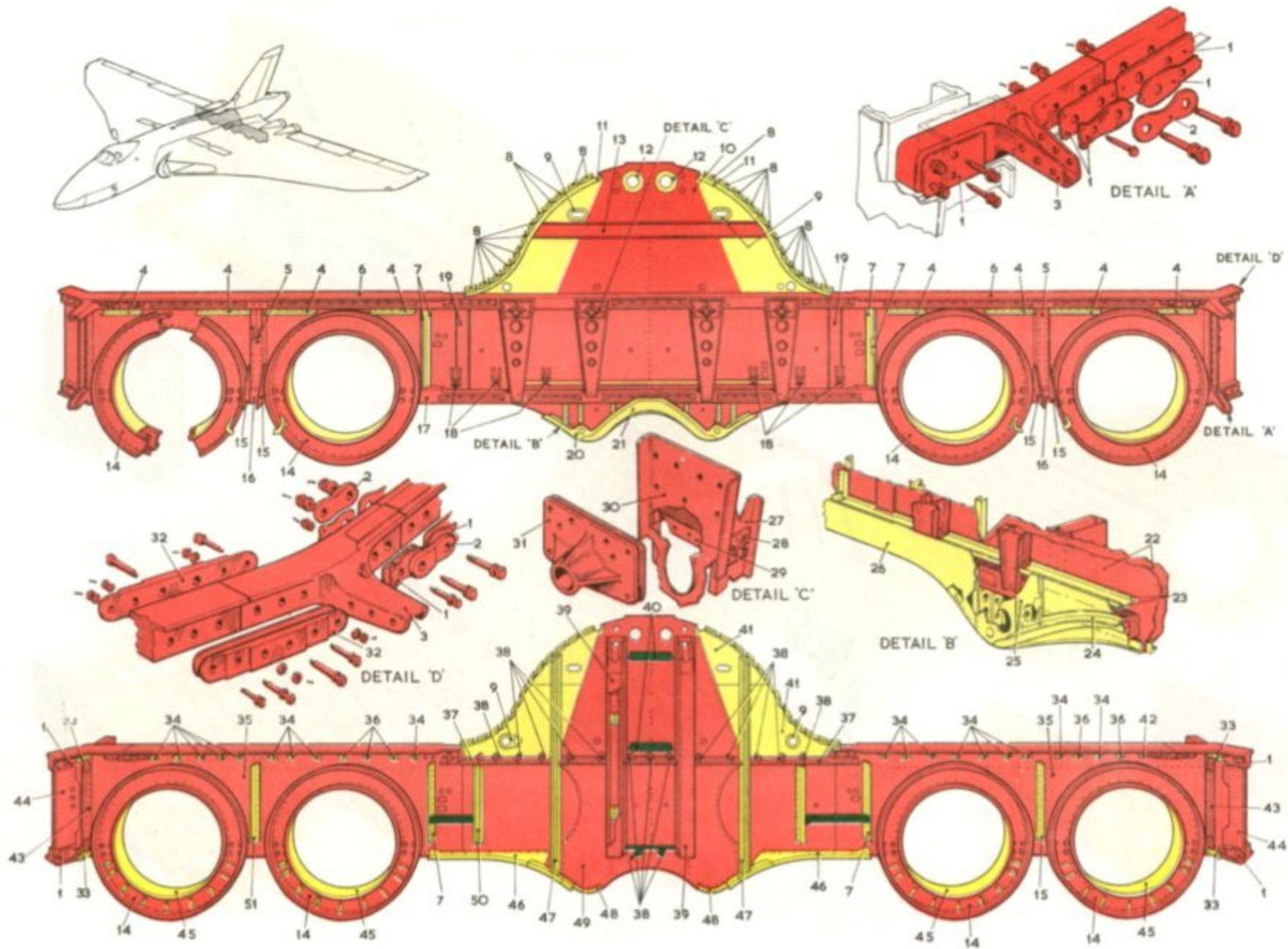


Fig. A 310 Rear spar - centre section

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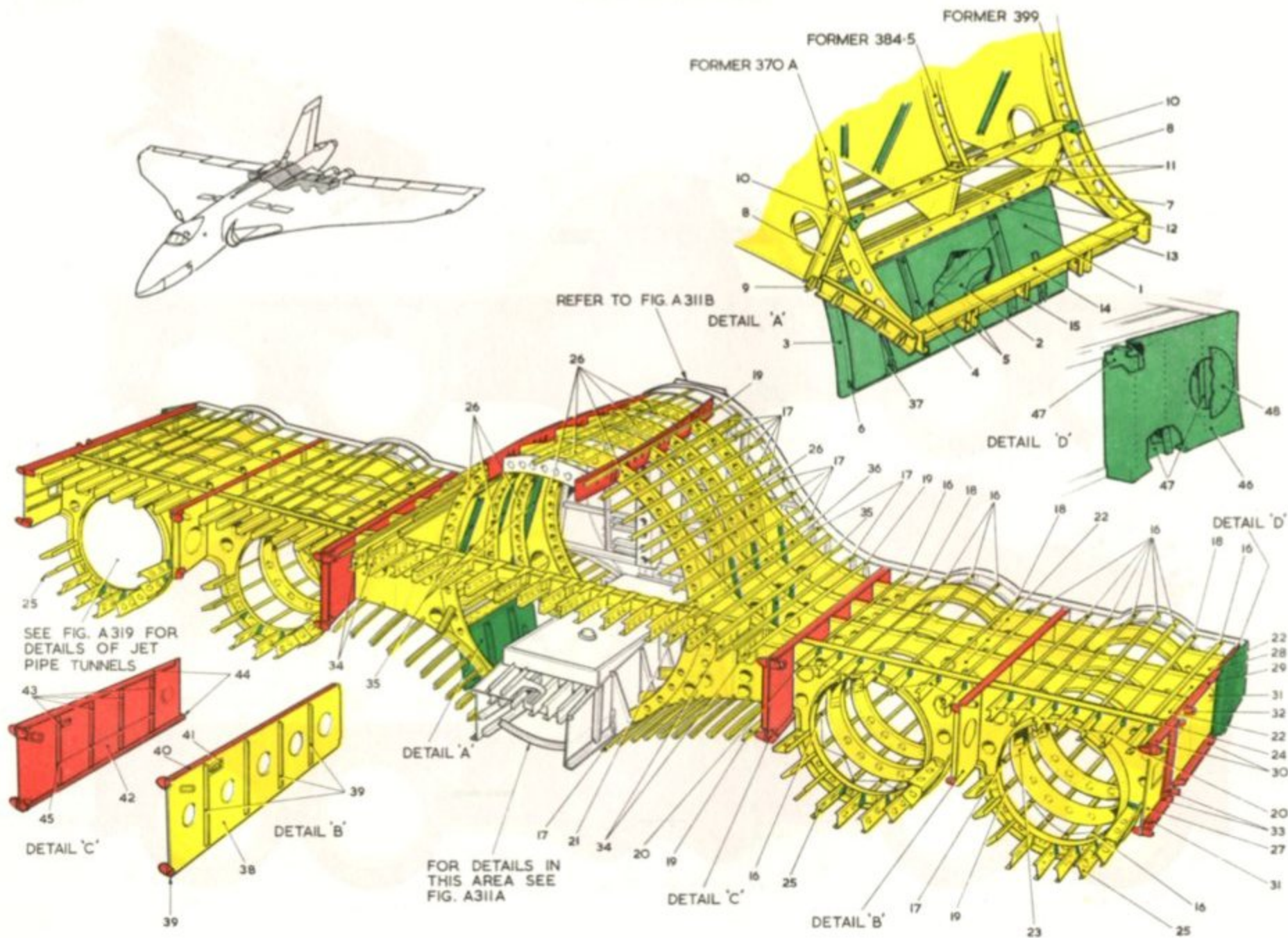


Fig. A311 Structure aft of rear spar (Post Mod. 569 and 668)

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KEY TO FIG. A311 (POST MOD.569 AND 668)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	L.72	20	Inner skin panel	0.1	4.0	0.5	8:1	102
2	L.72	20	Pressing	0.1	4.0	0.5	8:1	-
3	L.72	20	Outer skin panel	0.1	4.0	-	-	102
4	L.72	507/SS.1793	Stiffener	x 0.05	4.0	-	-	-
5	L.72	16	Diaphragm	x 0.05	4.0	-	-	-
6	S.510	18	Reinforcing strip	x 0.05	4.0	-	-	-
7	L.72	18	Skin attachment member	0.05	4.0	0.25	8:1	-
8	L.72	119/SS.1793	Channel	0.05	4.0	0.25	8:1	-
9	L.72	18	Stringer bracket	x -	-	-	-	-
10	L.72	18	Gusset	x 0.05	2.0	-	-	-
11	L.72	18	Bracket	x -	-	-	-	-
12	L.72	18	Channel	0.05	4.0	0.25	8:1	-
13	L.72	20	Channel	0.05	4.0	0.25	8:1	-
14	L.72	18	Member	0.05	4.0	0.25	8:1	-
15	L.72	20	Diaphragm	x 0.05	4.0	-	-	-
16	D. T. D. 687A	582/SS.1793	'Z' Stringer	0.1	3.0	0.25	6:1	221
17	L.72	211/SS.1793	Top hat stringer	0.1	3.0	0.25	6:1	-
18	D. T. D. 364B	375/SS.3075	'T' Stringer	0.1	3.0	0.25	6:1	-
19	L.65	337/SS.3075	'T' Stringer	0.1	3.0	0.25	6:1	-
20	L.72	20	Intercostal	x 0.1	3.0	0.25	6:1	-
21	L.72	20	Intercostal	x 0.1	3.0	0.25	6:1	-
22	L.72	22	Former	0.1	3.0	0.25	8:1	-
23	L.72	20	Channel joint	x 0.1	3.0	0.25	6:1	-
24	L.72	12D/SS.1793	Angle	0.1	3.0	0.25	8:1	-
25	L.72	24	Intercostal	x 0.1	3.0	0.25	6:1	-
26	L.72	455/SS.1793	Former	0.05	3.0	0.25	6:1	-
27	L.73	24	Web	0.1	3.0	0.25	8:1	-
28	D. T. D. 364B	306/SS.3075	Boom	0.05	3.0	-	-	-
29	L.72	112/SS.1793	Angle	0.05	3.0	-	-	-
30	L.72	430/SS.1793	Angle	0.05	3.0	-	-	-
31	L.72	22	Access panel	x 0.1	3.0	0.25	6:1	-
32	L.72	18	Angle	0.05	3.0	-	-	-
33	L.72	664/SS.1793	Stiffener	0.05	3.0	0.25	8:1	-
34	L.72	18	Intercostal	x 0.1	3.0	0.25	6:1	-
35	L.72	211/SS.1793	Top hat stringer	0.1	3.0	0.25	6:1	-
36	L.72	22	Pressing	0.1	2.5	0.25	6:1	103

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A311 (POST MOD.569 AND 668 Contd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
37	L.72	20	Bracket	x 0.05	3.0	-	-	-
38	D.T.D.546	22	Web	0.1	3.0	0.25	8:1	103
39	L.72	386/SS.1793	Stiffener	0.05	3.0	0.25	8:1	-
40	D.T.D.364B	361/SS.3075	Boom	0.025	3.0	-	-	-
41	L.72	20	Stiffening plate	-	-	-	-	-
42	D.T.D.687	17	Web	0.025	3.0	0.25	8:1	103,104
43	L.72	12A/SS.1793	Angle	x 0.1	3.0	-	-	-
44	D.T.D.363A	18B.1824	Boom	0.25	3.0	-	-	-
45	L.72	12A/SS.1793	Angle	0.05	3.0	0.25	6:1	113
46	L.72	20	Elevator fairing skin	0.15	2.5	-	-	103,104
47	L.72	20	Diaphragm	x 0.05	4.0	-	-	-
48	L.72	22	Reinforcing plate	x 0.1	3.0	0.25	6:1	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG. A311A

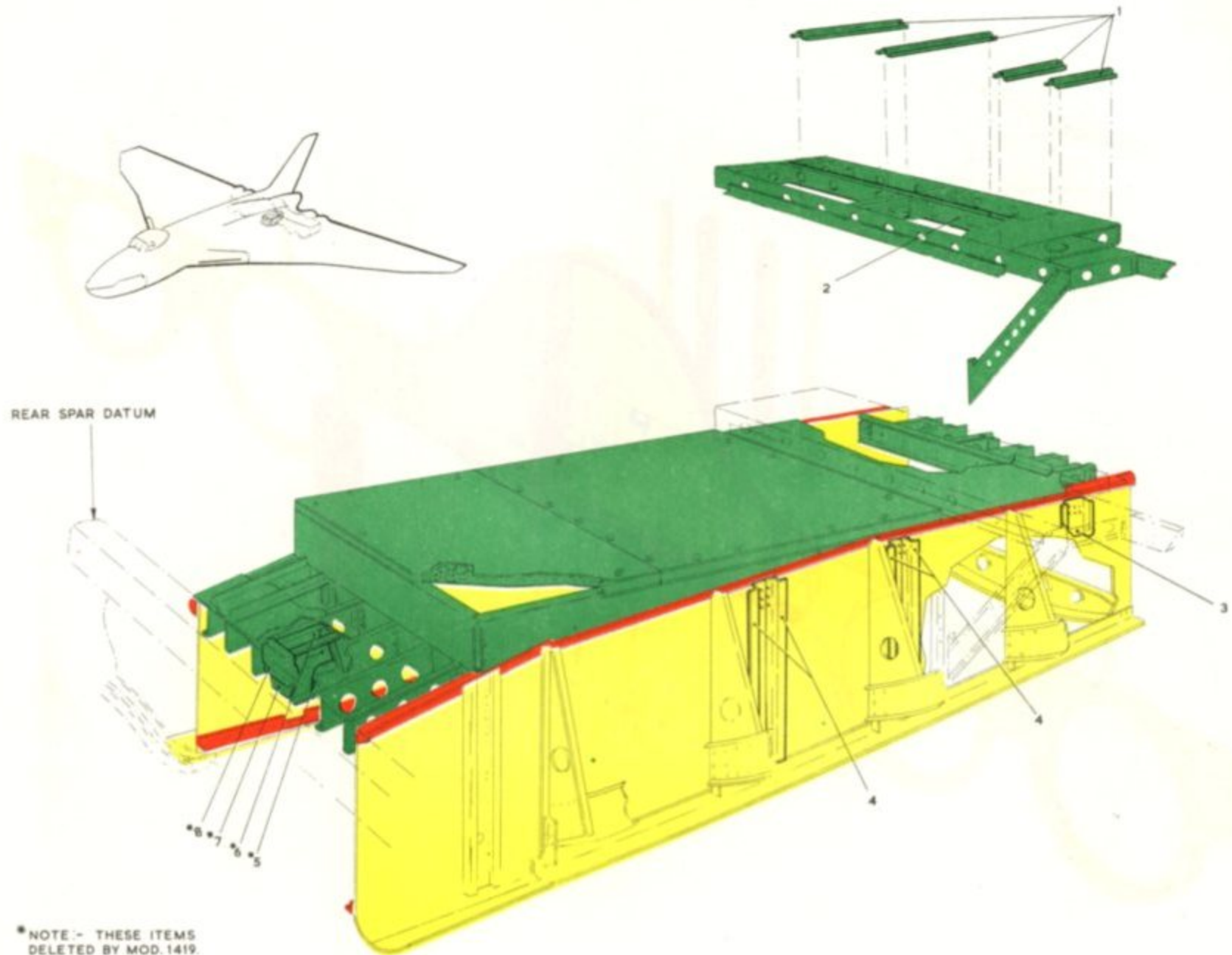
Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
1	L. 72	733/SS, 1793	Top hat section	x 0.05	3.0	0.25	6:1	-
2	L. 72	158/SS, 1793	Channel	0.05	3.0	0.25	6:1	105, 108
3	L. 72	16	Stiffening member	x 0.05	3.0	0.25	6:1	-
4	L. 72	16	'Z' member	x 0.05	3.0	0.25	8:1	-
5	L. 72	16	Reinforcing plate	x 0.05	3.0	0.25	6:1	-
6	L. 72	18	Diaphragm	x 0.05	3.0	0.25	6:1	-
7	L. 72	18	Gusset plate	x 0.05	3.0	0.25	6:1	-
8	L. 72	18	'Z' member	x 0.05	3.0	0.25	6:1	-

x More expedient to renew than repair.
All dimensions are quoted in inches

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AL 50, Aug. 67



REAR SPAR DATUM

* NOTE:- THESE ITEMS
DELETED BY MOD. 1419.
ALL ITEMS NOT ANNOTATED
ARE AS FIG. 311A

Fig. A311A. Launching compartment

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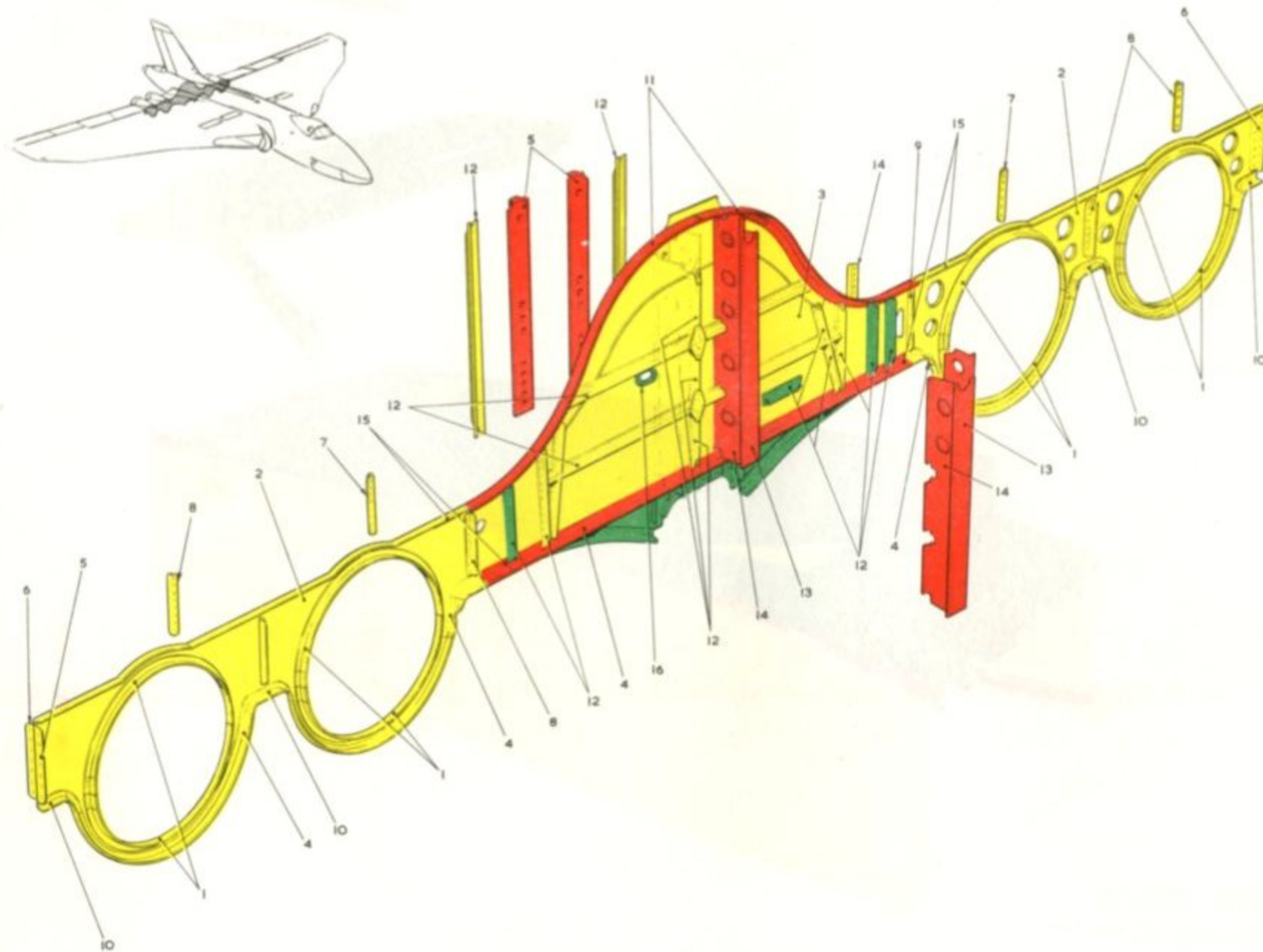


Fig. A311B. Transport former aft of rear spar (Post mod. 569 and 895)

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KEY TO FIG. A.311B (POST MOD. 569 AND 895)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
1	L. 72	13b/SS. 1793	Shroud angle	0.05	3.0	0.25	6:1	-
2	L. 73	20	Web	0.1	2.5	0.25	6:1	103 - 104
3	L. 73	18	Web	0.05	3.0	0.25	6:1	103 - 104
4	L. 65	329/SS. 3075	Angle	* 0.025	3.0	-	-	-
5	L. 65	-	Fin post support member	* -	-	-	-	-
6	L. 72	20	Angle	* 0.05	3.0	-	-	-
7	L. 72	18	Rib attachment angle	* 0.05	3.0	0.25	8:1	-
8	L. 72	20	Rib attachment angle	* 0.05	3.0	-	-	-
9	L. 72	16	Rib attachment angle	* 0.05	3.0	0.25	8:1	-
10	L. 65	355/SS. 3075	Angle	0.025	3.0	-	-	-
11	L. 65	539/SS. 3075	Angle	0.025	3.0	-	-	-
12	L. 72	211/SS. 1793	Stiffener	0.05	3.0	0.25	6:1	-
13	L. 72	20	Backplate	0.05	3.0	0.25	6:1	103 - 104
14	L. 72	20	Side member	0.05	3.0	0.25	6:1	107 - 108
15	S. 514	12	Joint angle	x -	-	-	-	-
16	L. 72	18	Reinforcing plate	x -	0.05	-	-	-

x No repairs permitted

* More expedient to renew than repair
All dimensions are quoted in inches

KEY TO FIG. A313 (POST MOD. 360)

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	L.72	410/SS.1793	Angle	0.05	6.0	0.125	10:1	-
2	L.72	18	Angle	0.02	4.0	0.125	8:1	-
3	L.77	58/SS.3075	Stringer 'T'	0.1	3.0	-	-	-
4	L.72	22	Web	0.15	2.5	-	-	-
5	L.72	18	Angle	x 0.05	3.0	-	-	-
6	L.72	620/SS.1793	Angle	x 0.02	-	-	-	-
7	L.72	13B/SS.1793	Angle	x 0.1	2.5	-	-	113
8	L.72	20	Web	0.1	3.0	0.25	4:1	-
9	L.72	664/SS.1793	Angle	x 0.1	3.0	-	-	-
10	L.72	24	Web	0.15	3.0	0.25	4:1	-
11	L.72	24	Web	0.15	2.5	-	-	-
12	L.72	663/SS.1793	Angle	x 0.1	2.5	-	-	-
13	L.72	22	Web	0.15	3.0	0.25	4:1	-
14	L.72	24	Joint strap	x 0.05	-	-	-	-
15	L.72	20	Angle	0.1	2.5	-	-	-
16	L.72	18	Web	0.05	3.0	0.25	4:1	-
17	L.73	1221/SS.1793	Angle	x 0.05	3.0	-	-	-
18	L.72	20	Angle	0.05	3.0	-	-	-
19	L.72	394/SS.1793	Intercostal	0.1	3.0	0.25	6:1	-
20	L.72	834/SS.1793	Angle	x 0.05	3.0	-	-	-
21	L.72	13A/SS.1793	Angle	x 0.05	3.0	-	-	113
22	L.72	79/SS.1793	Web	0.1	4.0	0.25	6:1	-
23	L.72	20	Bracket	x 0.02	-	-	-	-
24	L.72	664/SS.1793	Angle	x 0.05	3.0	-	-	-
25	L.72	65/SS.1793	Angle	x 0.05	3.0	-	-	-
26	L.72	289/SS.1793	Lipped angle	0.05	3.0	-	-	-
27	L.72	18	Separator channel	0.05	3.0	-	-	-
28	L.72	20	Web	0.1	3.0	0.25	8:1	-
29	L.72	16	Reinforcing ring	x 0.05	3.0	-	-	-
30	L.72	16	Stiffener	0.05	3.0	0.125	4:1	-
31	L.72	18	Stiffener plate	x 0.05	3.0	-	-	-
32	L.73	12	Boom	0.05	3.0	-	-	-
33	L.72	579/SS.1793	Channel	0.1	4.0	0.25	6:1	-
34	L.72	20	Intercostal	x 0.05	3.0	0.25	4:1	-
35	L.72	663/SS.1793	Jointing angle	x -	-	-	-	-
36	L.73	12	Lipped angle	x 0.05	3.0	-	-	-
37	L.72	421/SS.1793	Angle	x 0.1	2.5	-	-	-
38	L.59	14	Fairing	* 0.05	3.0	-	-	-
39	L.72	14	Butt strap	x 0.05	3.0	-	-	-
40	L.72	14	Fairing	* 0.05	3.0	-	-	-
41	L.72	14	Skin	* 0.05	3.0	-	-	-
42	L.72	SS.4127	Corrugation	* 0.1	2.5	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

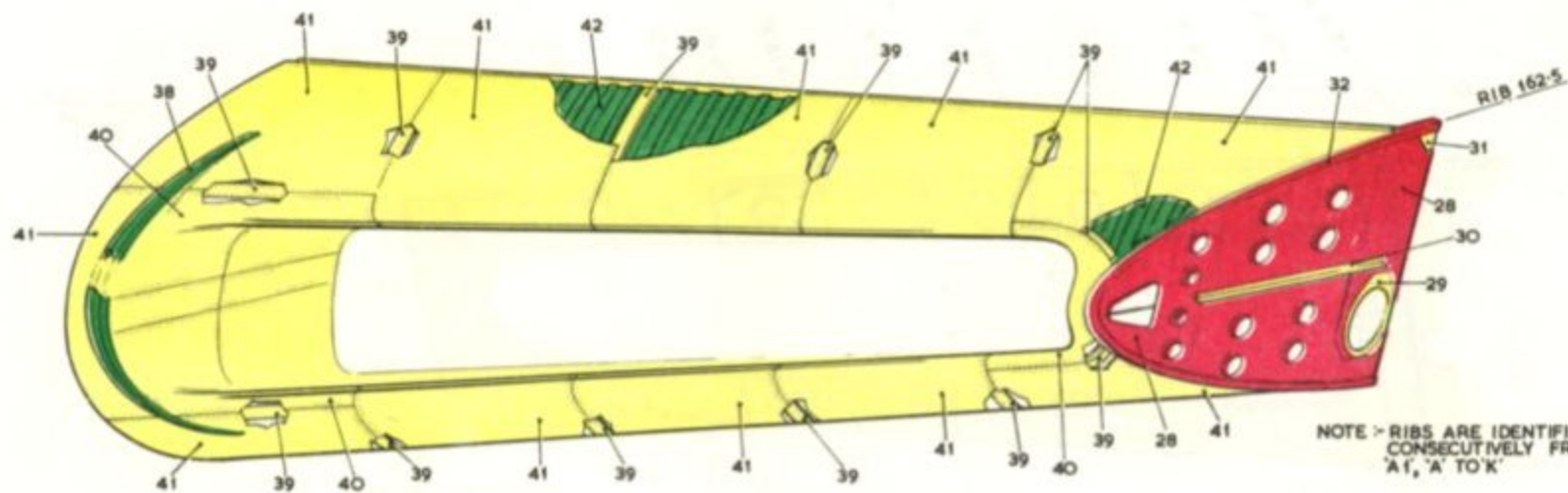
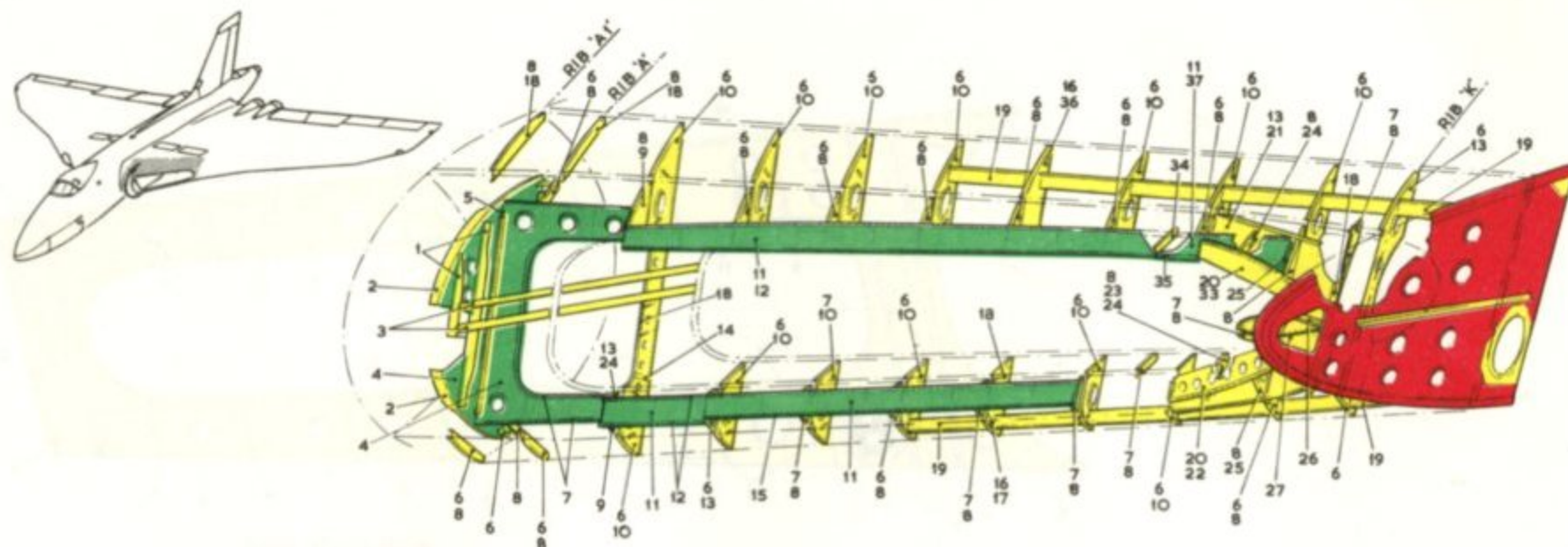


Fig. A313 Leading edge air intake structure and skins (Post Mod. 360)

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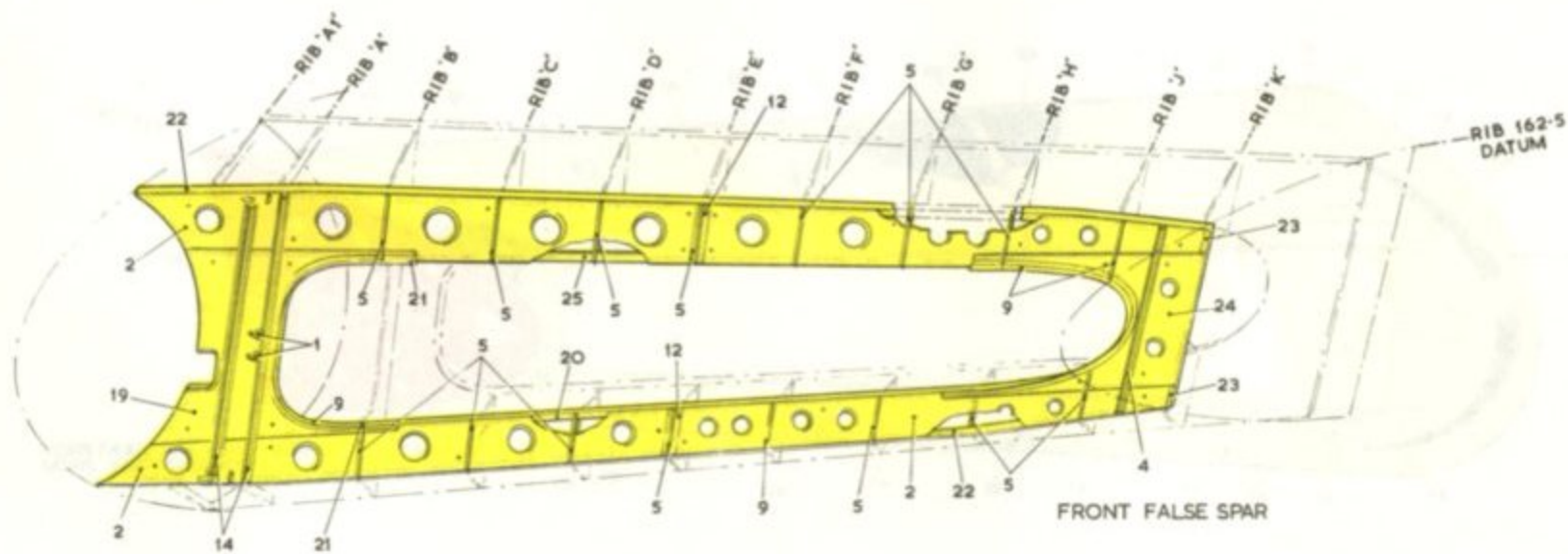
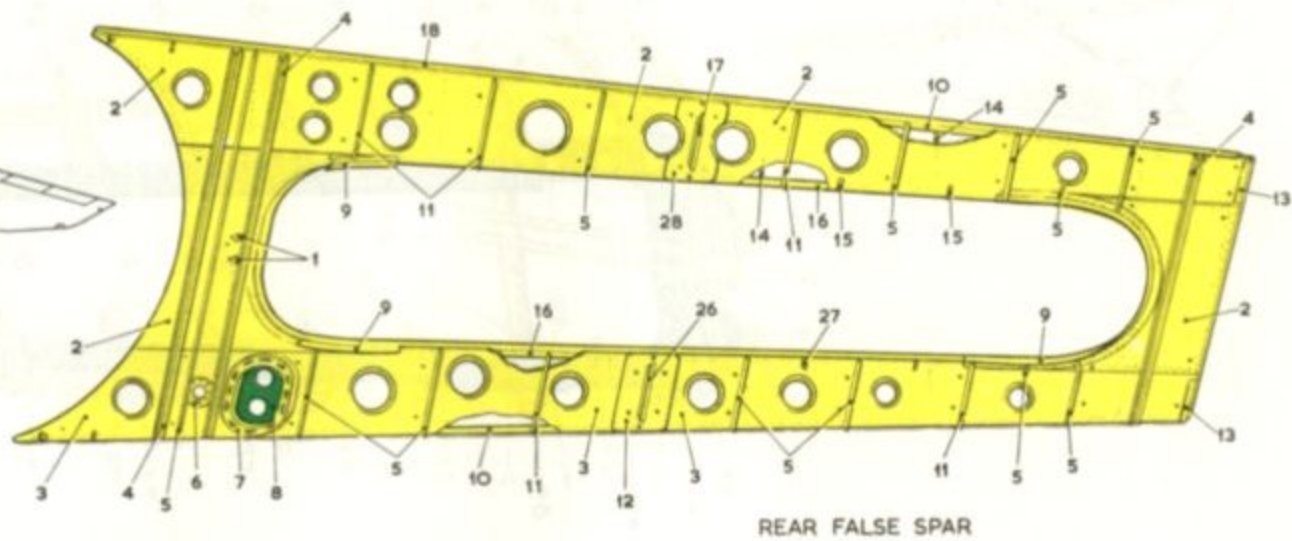


Fig. A313A. Front and rear false spars (Post Mod 729 and 760)
RESTRICTED

KEY TO FIG.A313A (POST MOD.729 AND 760)

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. of Section			Dist. Apart	Dia.		
1	L.72	18	Bracket	* -	-	-	-	-
2	L.73	22	Web	0.1	3.0	0.25	6:1	103,104,106
3	L.73	20	Web	0.1	3.0	0.25	6:1	103,104,106
4	L.72	85/SS.1793	Stiffener	0.05	3.0	-	-	-
5	L.72	13b/SS.1793	Angle	0.05	3.0	-	-	113
6	L.72	18	Flange	*0.05	3.0	-	-	-
7	L.72	18	Channel	0.05	3.0	-	-	-
8	L.72	18	Access panel	0.1	2.0	0.125	4:1	103,104
9	L.72	18	Angle	0.05	3.0	-	-	-
10	L.73	811/SS.1793	Angle	0.05	3.0	-	-	-
11	L.72	20	Angle	0.05	3.0	-	-	113
12	L.73	20	Plate	0.02	3.0	0.125	6:1	-
13	L.72	25	Packing	-	-	0.25	6:1	-
14	L.72	20	Diaphragm	0.1	3.0	0.25	6:1	-
15	L.72	20	Angle	x -	-	-	-	-
16	L.73	616/SS.1793	Angle	*0.05	3.0	-	-	-
17	L.72	16	Angle	0.05	3.0	-	-	-
18	L.73	14	Boom	*0.05	3.0	-	-	-
19	L.73	16	Web	0.05	3.0	0.25	6:1	103,104,106
20	L.73	605/SS.1793	Angle	*0.05	3.0	-	-	-
21	L.72	729/SS.1793	Angle	0.05	3.0	-	-	-
22	L.73	759/SS.1793	Angle	*0.05	3.0	-	-	-
23	L.72	22	Packing	-	-	0.25	6:1	-
24	L.73	24	Web	0.1	3.0	0.25	6:1	103,104,106
25	L.73	605/SS.1793	Angle	0.05	3.0	-	-	-
26	L.72	16	Angle	0.05	3.0	-	-	-
27	L.72	18	Angle	x -	-	-	-	-
28	L.73	18	Plate	0.02	3.0	0.125	6:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A314 (POST MOD. 729, 893 AND 895)

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S. W. G. or Section			Dents	Holes	Pitch Ratio	
					Dist. Apart	Dia.		
1	L.72	20	Angle	0.05	6.0	0.125	8:1	-
2	L.72	337/SS.1793	Angle	0.05	6.0	0.125	8:1	-
3	L.72	186/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	-
4	L.72	22	Web	0.1	6.0	0.5	8:1	105
5	L.72	88/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	-
6	L.72	211/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	-
7	L.72	20	Stiffener plate	x 0.02	3.0	-	-	-
8	L.73	18	Boom	0.05	6.0	0.125	8:1	-
9	L.77	227/SS.3075	Bracket	x 0.02	-	-	-	-
10	L.72	18	Bracket	x 0.02	-	-	-	-
11	L.72	22	Web	0.1	6.0	-	-	-
12	L.73	14	Angle	0.05	6.0	0.125	8:1	-
13	L.72	20	Stiffener	x 0.05	6.0	0.25	8:1	-
14	L.72	20	Stringer	0.05	6.0	0.25	8:1	-
15	L.72	874/SS.1793	Angle	0.05	6.0	0.25	8:1	-
16	L.72	67/SS.1793	Intercostal	0.05	6.0	0.25	8:1	-
17	L.72	20	Joint plate	x 0.05	6.0	0.125	8:1	-
18	L.72	113/SS.1793	Angle	0.05	6.0	0.125	8:1	-
19	L.72	60/SS.1793	Angle	0.05	6.0	0.25	8:1	113
20	L.72	27/SS.1793	Angle	x 0.05	-	-	-	-
21	L.72	112/SS.1793	Angle	0.05	6.0	0.125	8:1	-
22	L.72	13B/SS.1793	Angle	x 0.02	-	-	-	-
23	L.72	20	Fairing	x -	-	-	-	-
24	L.72	20	Rib	x -	-	-	-	-
25	L.72	16	Stringer	0.05	6.0	0.25	8:1	-
26	L.72	20	Intercostal	0.05	6.0	0.25	8:1	-
27	L.72	12C/SS.1793	Angle	0.05	6.0	0.25	8:1	113
28	Y93 or Y360	-	Window, fibre glass	-	-	-	-	-
29	L.72	-	Ring (spun)	0.1	6.0	0.5	8:1	-
30	L.72	766/SS.1793	Channel	0.5	6.0	0.25	8:1	-
31	L.72	18	Intercostal 8B	x -	-	-	-	-
32	L.72	613/SS.1793	Intercostal	x -	-	-	-	-
33	L.72	596/SS.1793	Intercostal 24	x -	-	-	-	-
34	L.72	93/SS.1793	Intercostal 8C	x -	-	-	-	-
35	L.72	20	Packing	0.05	6.0	0.25	8:1	-

x More expedient to renew than repair.

All dimensions are quoted in inches

RESTRICTED

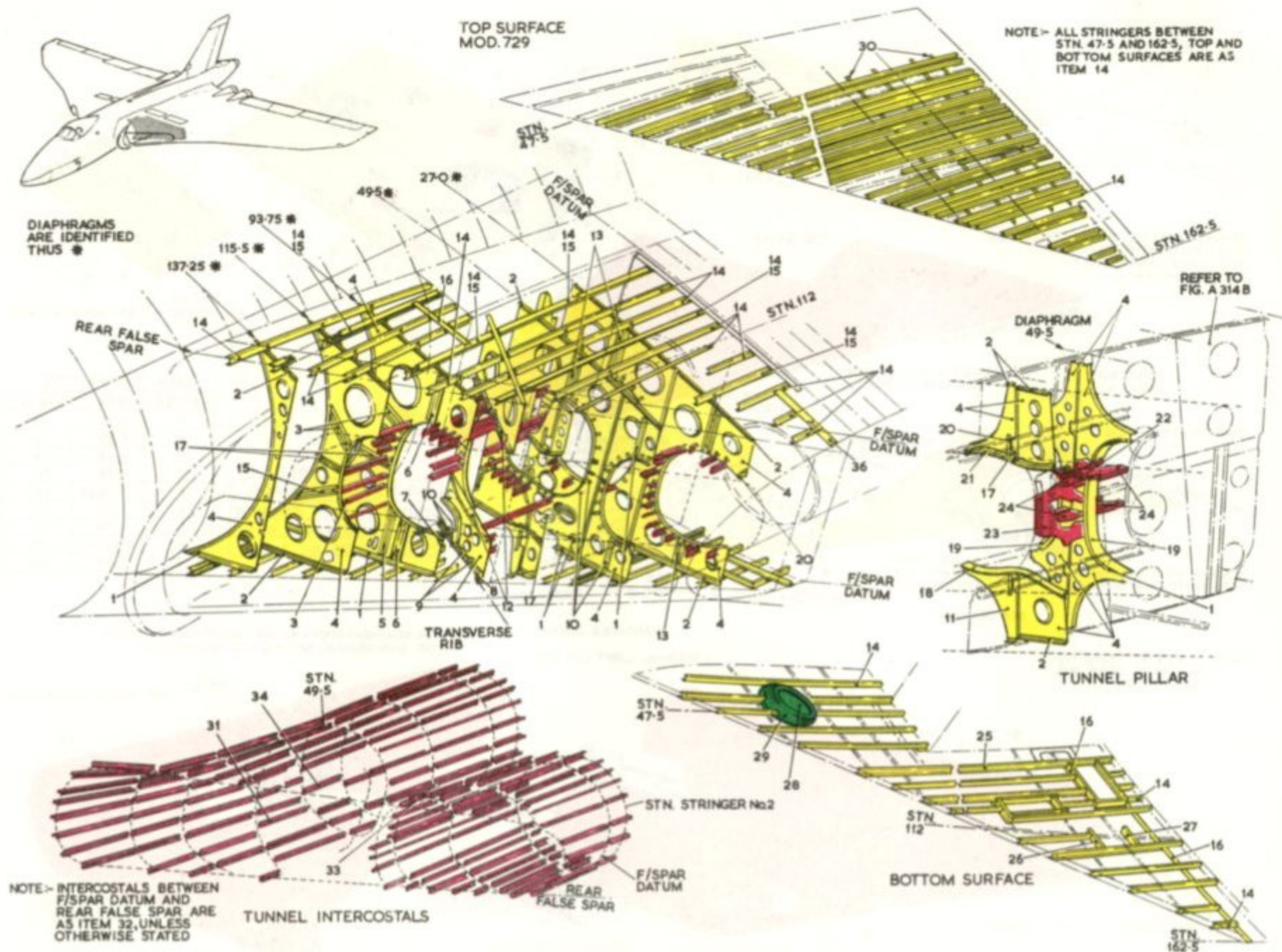
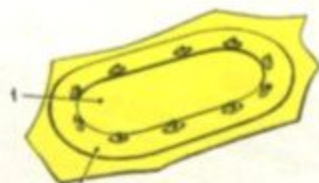
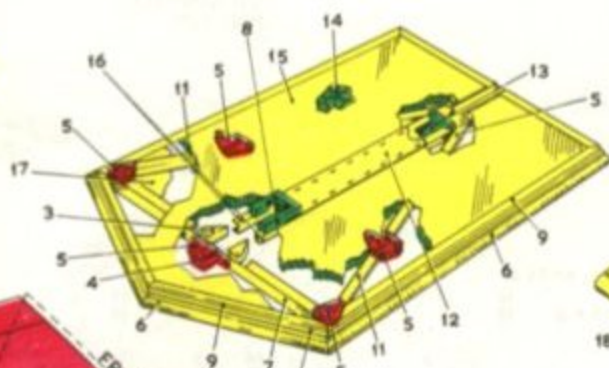


Fig. A 314 Air intake structure, forward of front spar (Post Mod. 729, 893 and 895)

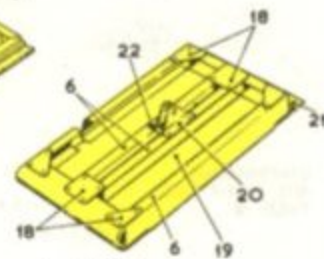
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DETAIL 'C'

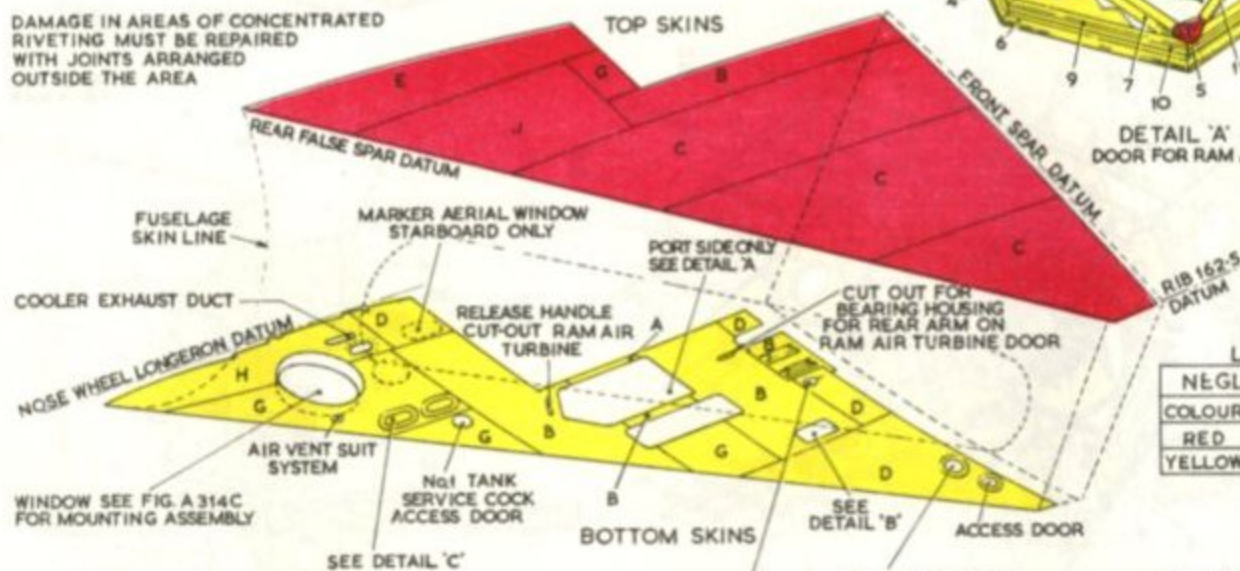


DETAIL 'A'
DOOR FOR RAM AIR TURBINE



DETAIL 'B'
ANTI-ICING AIR EXTRACTION DOOR

DAMAGE IN AREAS OF CONCENTRATED RIVETING MUST BE REPAIRED WITH JOINTS ARRANGED OUTSIDE THE AREA



SKIN REFERENCE

LETTER	SPEC.	S. W. G.
A	L.72	12
B	L.72	14
C	L.73	14
D	L.72	16
E	D.T.D.626	16
F	L.72	17
G	L.72	18
H	D.T.D.626	18
J	L.72	20

LIMIT TABLE

NEGLECTIBLE DAMAGE

COLOUR	DENTS	DIST. APART
RED	0.025 IN.	3.0 IN.
YELLOW	0.05 IN.	3.0 IN.

NOTE: HOLES NOT PERMITTED IN TUNNEL SKINS AND BUTT STRAPS

FOR WEATHERPROOFING SEE TEXT IN CHAP. 1 AND 3
FOR SKIN REPAIRS SEE FIG. 103, 104 AND 116

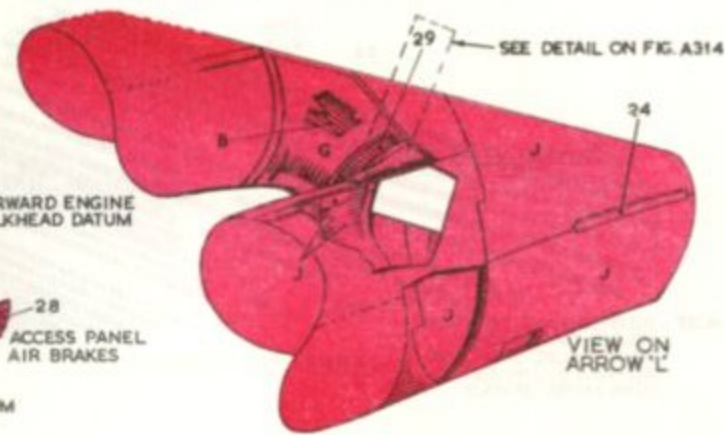
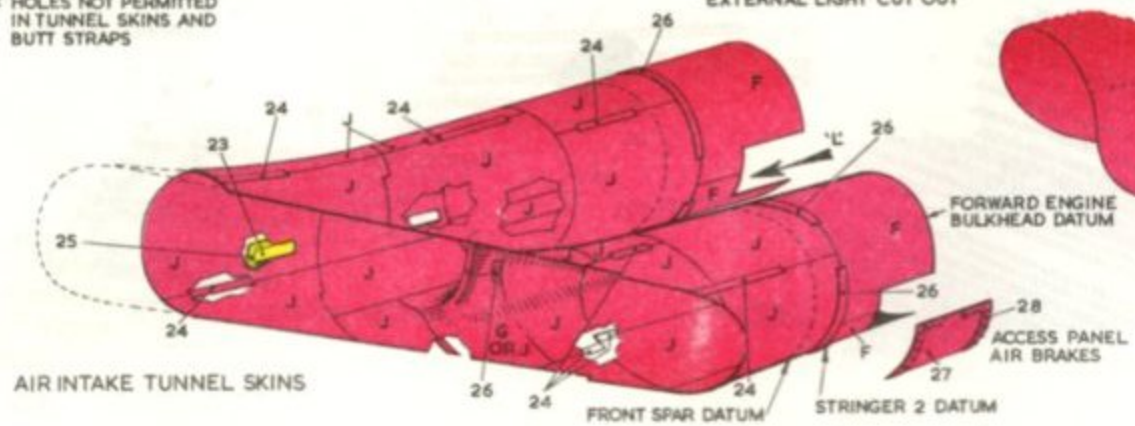


Fig. A314A. Air intake structure -skinning (Post Mod.1682)

RESTRICTED

KEY TO FIG. A314A (POST MOD. 1682)

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	L.72	18	Access door	0.1	2.5	-	-	103,104
2	L.72	16	Flange	0.1	2.0	0.25	4:1	-
3	L.83	-	Block	0.1	-	-	-	-
4	L.83	-	Distance piece	* -	-	-	-	-
5	L.83	-	Hinge bracket	* -	-	-	-	-
6	L.72	20	Member	-	-	0.125	4:1	-
7	L.83	537/SS.3075	Channel	-	-	0.125	4:1	-
8	-	-	Seal - Rubber	x -	-	-	-	-
9	L.72	20	Strip	-	-	0.125	4:1	-
10	D.T.D.5509	SS.4615	'P' seal	x -	-	-	-	-
11	L.83	538/SS.3075	Channel	-	-	0.125	4:1	-
12	L.72	16	Plate	0.05	3.0	-	-	103,104
13	L.72	20	Ramp	0.05	3.0	-	-	-
14	L.72	1000/SS.4286	Honeycomb	-	-	-	-	102
15	L.72	22	Skin (internal)	0.05	2.0	-	-	103,104
16	L.72	20	Channel	-	-	0.125	4:1	108
17	L.72	20	Skin (external)	0.05	3.0	-	-	103,104
18	L.72	20	Gusset	x0.1	2.5	-	-	-
19	L.72	14	Skin	0.05	3.0	-	-	103,104
20	L.72	16	Bracket	x0.025	3.0	-	-	-
21	L.72	-	Hinge	-	-	-	-	-
22	L.72	18	Plate	x0.05	6.0	-	-	-
23	L.72	22	Panel	0.05	6.0	-	-	103,104
24	L.72	20	Strap	* -	-	-	-	-
25	L.72	22	Angle	x0.03	6.0	-	-	-
26	L.72	18	Butt strap	* -	-	-	-	-
27	L.72	18	Panel	-	-	-	-	-
28	L.72	14	Packer	x0.05	6.0	-	-	-
29	L.72	SS.4127	Corrugation	0.05	2.5	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A314B

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Holes		Pitch Ratio	
				Depth	Dist. Apart	Dia.		
1	L. 72	18	Joint strap	0.05	8.0	0.125	10:1	-
2	L. 72	20	Stiffener	0.05	8.0	0.125	10:1	108
3	L. 72	18	Bracket	x 0.05	8.0	0.125	10:1	-
4	L. 72	20	Web	0.05	8.0	0.25	10:1	103, 104, 106
5	L. 72	100/SS. 1793	Channel member	0.05	8.0	0.125	10:1	108
6	L. 65 or D. T. D. 5054	Forging	Bracket	* -	-	-	-	-
7	L. 72	14	Packing	x 0.025	6.0	-	-	-
8	L. 72	18	Packing	x 0.025	6.0	-	-	-
9	L. 72	18	Attachment angle	x 0.025	6.0	-	-	-
10	L. 73	10	Angle	0.025	8.0	-	-	-
11	L. 72	18	Bracket	x 0.05	6.0	0.125	8:1	-
12	L. 72	13b/SS. 1793	Angle	0.05	6.0	0.125	10:1	113
13	L. 72	20	Angle	0.05	6.0	0.125	10:1	113
14	L. 73	16	Web	0.05	8.0	0.125	10:1	103, 104
15	L. 73	12	Angle	0.025	8.0	-	-	-
16	L. 72	20	Reinforcing ring	x 0.05	6.0	0.125	10:1	-
17	L. 72	22	Angle	x 0.05	6.0	0.125	10:1	113
18	L. 72	24	Plate	0.05	4.0	0.25	8:1	103
19	L. 54	24	Stub pipe	x 0.05	6.0	-	-	-
20	L. 59	18	Plate	x 0.05	6.0	0.125	10:1	-
21	L. 72	13b/SS. 1793	Angle	0.05	6.0	0.125	10:1	113
22	L. 72	10	Channel member	0.025	8.0	-	-	107, 108
23	L. 72	18	Angle	x 0.05	6.0	0.125	10:1	113
24	L. 72	93/SS. 1793	Channel	x 0.05	6.0	0.125	8:1	-
25	L. 73	10	Channel	0.025	8.0	-	-	107, 108
26	L. 72	22	Top hat section	0.05	8.0	0.125	10:1	See Note on Fig. A314B

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

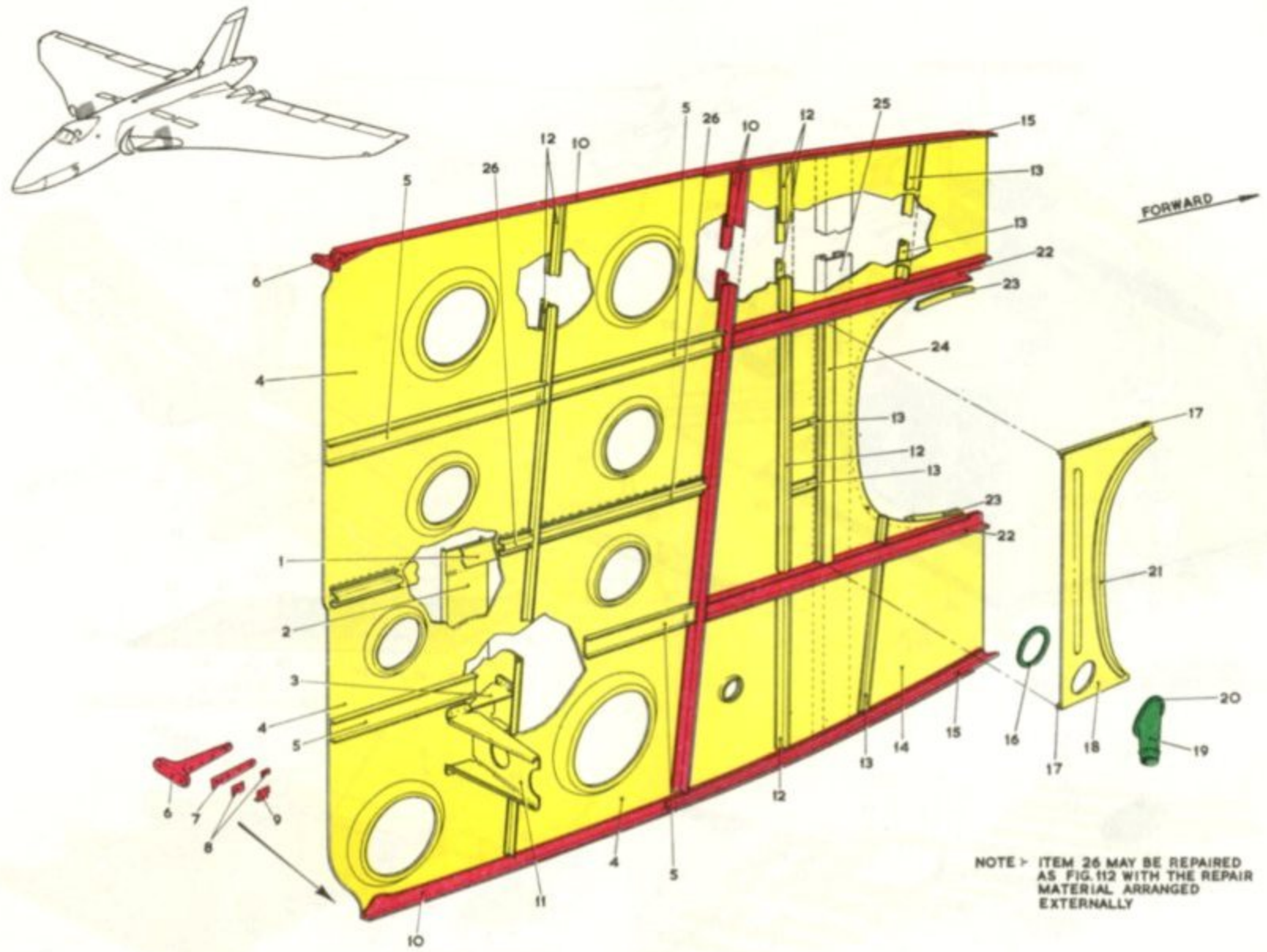


Fig. A314B Forward portion - centre engine rib
RESTRICTED

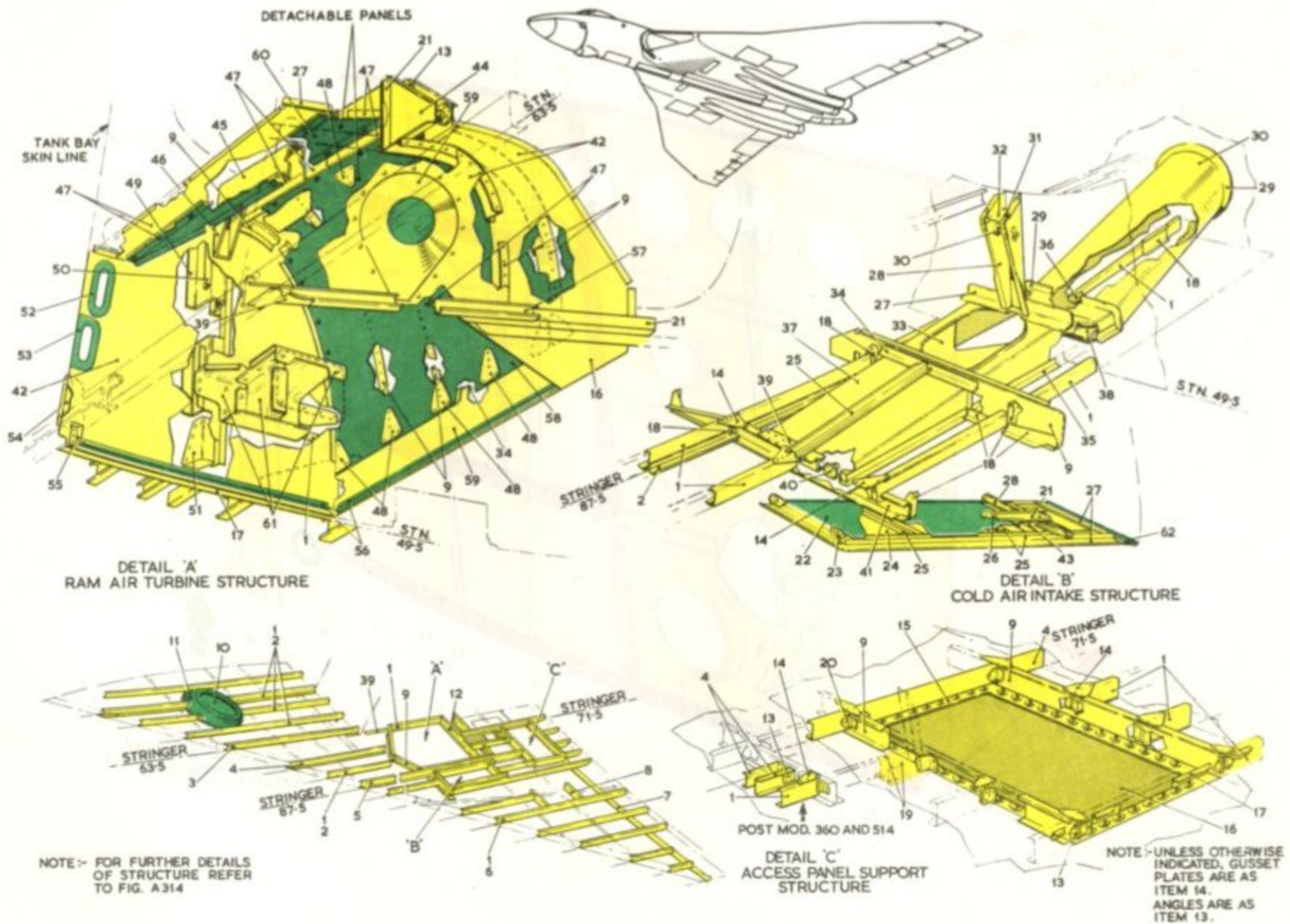


Fig. A314 C Air intake structure forward of front spar—details (Post Mod. 360, 514, 729 and 895)

RESTRICTED

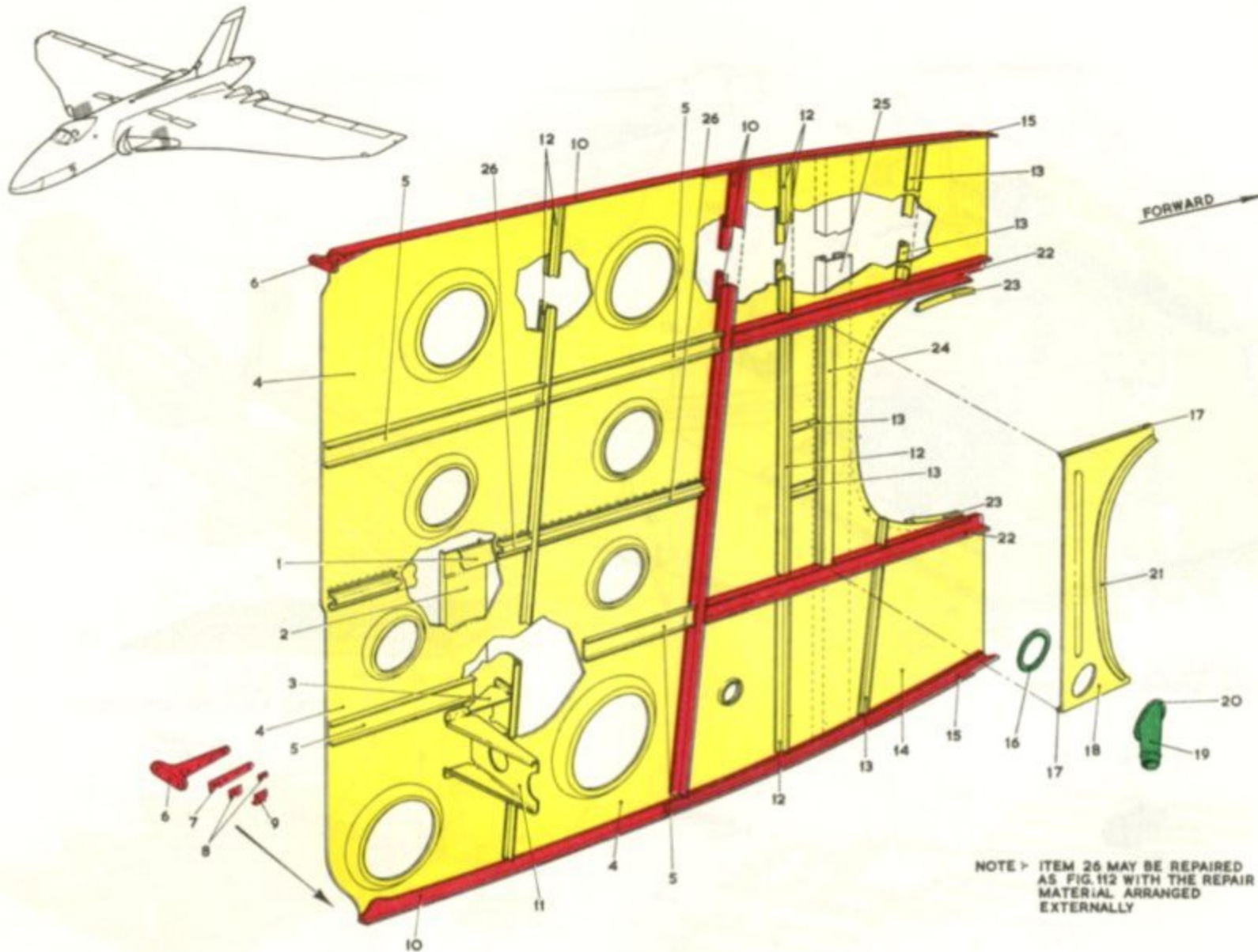


Fig. A314B Forward portion - centre engine rib
RESTRICTED

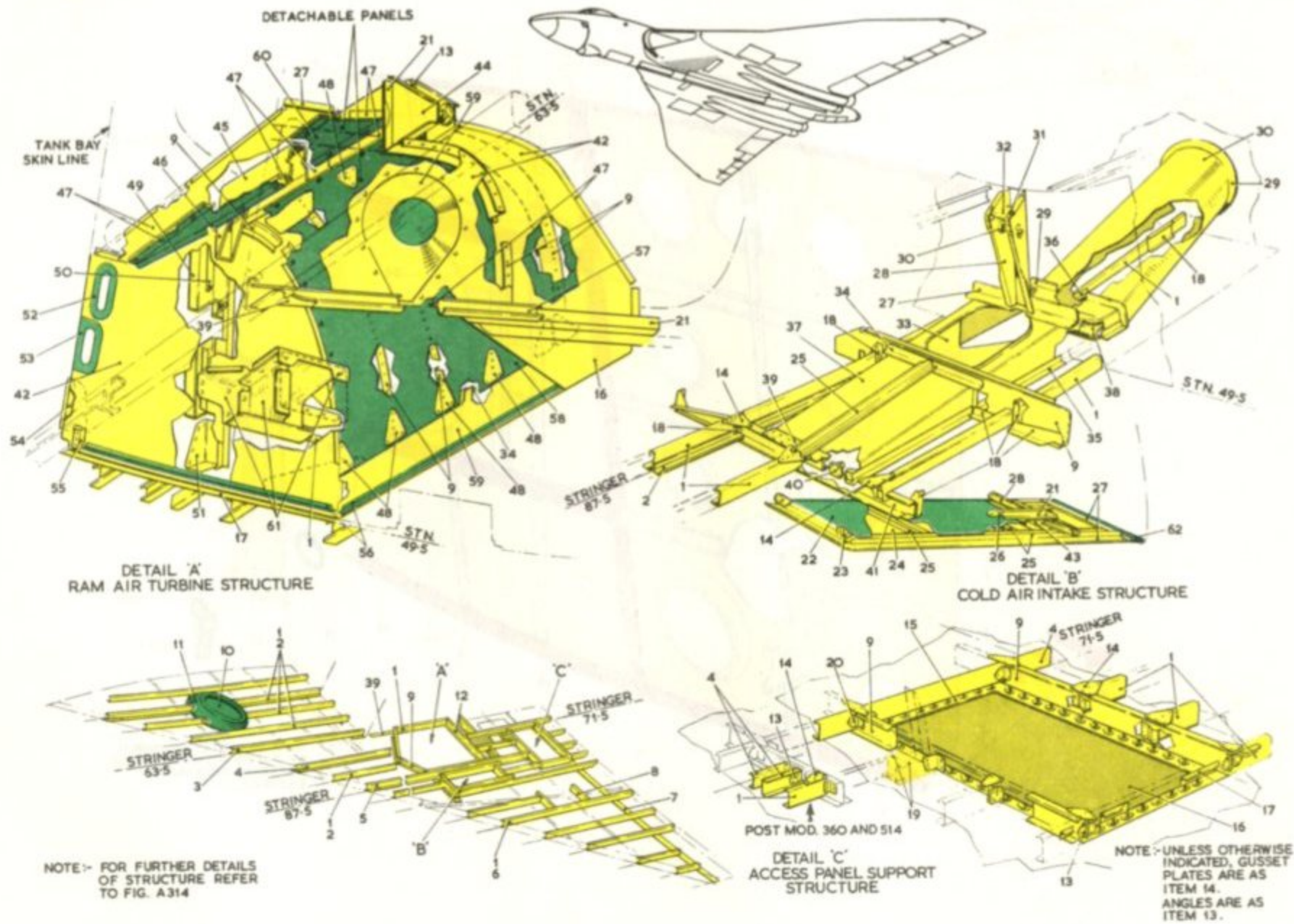


Fig. A314 C Air intake structure forward of front spar—details (Post Mod. 360, 514, 729 and 895)

RESTRICTED

KEY TO FIG. A314C (POST MOD. 360, 514, 729 AND 895)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
				Depth				
1	L.72	20	Stringer	0.05	6.0	0.25	8:1	108
2	L.73	1094/SS.1793	Angle	0.05	6.0	0.25	8:1	-
3	L.72	14	Stringer	0.05	6.0	0.25	8:1	108
4	L.72	16	Stringer	0.05	6.0	0.25	8:1	108
5	L.73	1044/SS.1793	Stringer	0.05	6.0	0.25	8:1	-
6	L.72	44/SS.1793	Angle	0.05	6.0	0.25	8:1	-
7	L.72	67/SS.1793	Intercostal	0.05	6.0	0.25	8:1	-
8	L.72	12C/SS.1793	Angle	0.05	6.0	0.25	8:1	113
9	L.72	20	Intercostal	0.05	6.0	0.25	8:1	-
10	Y93 or Y360	-	Window, fibre glass	-	-	-	-	-
11	L.72	-	Ring (spun)	0.1	6.0	0.5	8:1	-
12	L.72	727/SS.1793	Angle	0.05	6.0	0.125	8:1	-
13	L.72	18	Angle	x 0.02	-	-	-	-
14	L.72	20	Gusset plate	x 0.02	3.0	0.125	8:1	-
15	L.72	16	Butt strap	0.05	3.0	-	-	-
16	L.72	14	Skin	0.05	3.0	-	-	103
17	L.72	410/SS.1793	Angle	0.05	6.0	0.25	8:1	-
18	L.72	20	Angle	x 0.02	3.0	-	-	-
19	L.72	18	Stringer	0.05	6.0	0.25	8:1	108
20	L.72	16	Angle	x 0.02	-	-	-	-
21	L.72	16	Angle	x 0.02	6.0	0.125	8:1	-
22	L.72	24	Skin	0.1	3.0	-	-	-
23	L.77	-	Hinge arm	* 0.02	-	-	-	-
24	L.72	20	Skin	0.05	3.0	-	-	103
25	L.72	500/SS.1793	Stiffener	0.02	3.0	0.125	4:1	-
26	L.72	16	Channel	0.02	3.0	-	-	-
27	L.72	20	Angle	0.02	3.0	0.125	4:1	-
28	L.72	18	Bracket	0.02	4.0	0.125	8:1	-
29	L.59	18	Flange	-	-	0.125	8:1	-
30	L.59	20	Body	0.05	4.0	-	-	-
31	L.72	18	Strap	x -	-	-	-	-
32	L.72	18	Diaphragm	x 0.05	3.0	0.25	8:1	-
33	L.72	18	Door	0.05	3.0	-	-	-
34	L.72	12A/SS.1793	Angle	0.02	4.0	0.125	8:1	113
35	L.59	18	Flange	0.02	6.0	0.25	8:1	-
36	L.72	17	Packing	x 0.02	-	-	-	-
37	L.59	18	Cover	0.05	4.0	-	-	-
38	L.59	14	Lip	0.02	3.0	-	-	-
39	L.72	18	Plate	0.02	3.0	-	-	-
40	L.77	-	Bracket	* 0.02	-	-	-	-
41	L.72	18	Channel, hinged	0.02	6.0	-	-	-
42	L.72	22	Web	0.1	6.0	0.25	8:1	-
43	L.72	20	Packing	x 0.05	3.0	0.125	4:1	-
44	L.72	18	Plate	0.05	4.0	0.125	4:1	-
45	L.72	14	Boom	0.02	6.0	0.125	8:1	-

* No repairs permitted.
x More expedient to renew than repair.
All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A314C (POST MOD.360, 514, 729 AND 895 cont'd.)

Item	Material		Description	Dents Depth	Negligible Damage Holes			Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.	Pitch Ratio	
46	L-73	14	Channel	-	-	-	-	-
47	L-72	22	Angle	0.02	6.0	0.125	4:1	-
48	L-72	16	Gusset plate	x 0.02	-	-	-	-
49	L-72	16	Channel	0.02	6.0	0.125	8:1	-
50	L-72	247/SS.1793	Angle	0.05	6.0	0.25	8:1	113
51	S.510	12	Bracket	0.05	-	-	-	-
52	L-72	18	Plate	0.10	2.5	-	-	-
53	L-72	20	Plate	0.10	2.5	-	-	-
54	L-72	16	Gusset plate	0.10	3.0	0.25	8:1	-
55	L-77	395/SS.1793	Bracket	* 0.02	-	-	-	-
56	L-72	1224/SS.1793	Angle	0.05	6.0	0.25	8:1	-
57	L-73	12	Boom	0.05	6.0	0.25	8:1	-
58	L-72	22	Shroud panel	0.15	6.0	0.25	8:1	103
59	L-72	20	Plate	0.05	6.0	0.25	8:1	-
60	L-72	20	Shroud panel	0.15	6.0	0.25	8:1	103
61	L-72	16	Plate	0.05	3.0	-	-	-
62	-	-	'P' Seal 21F.8554	x -	-	-	-	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

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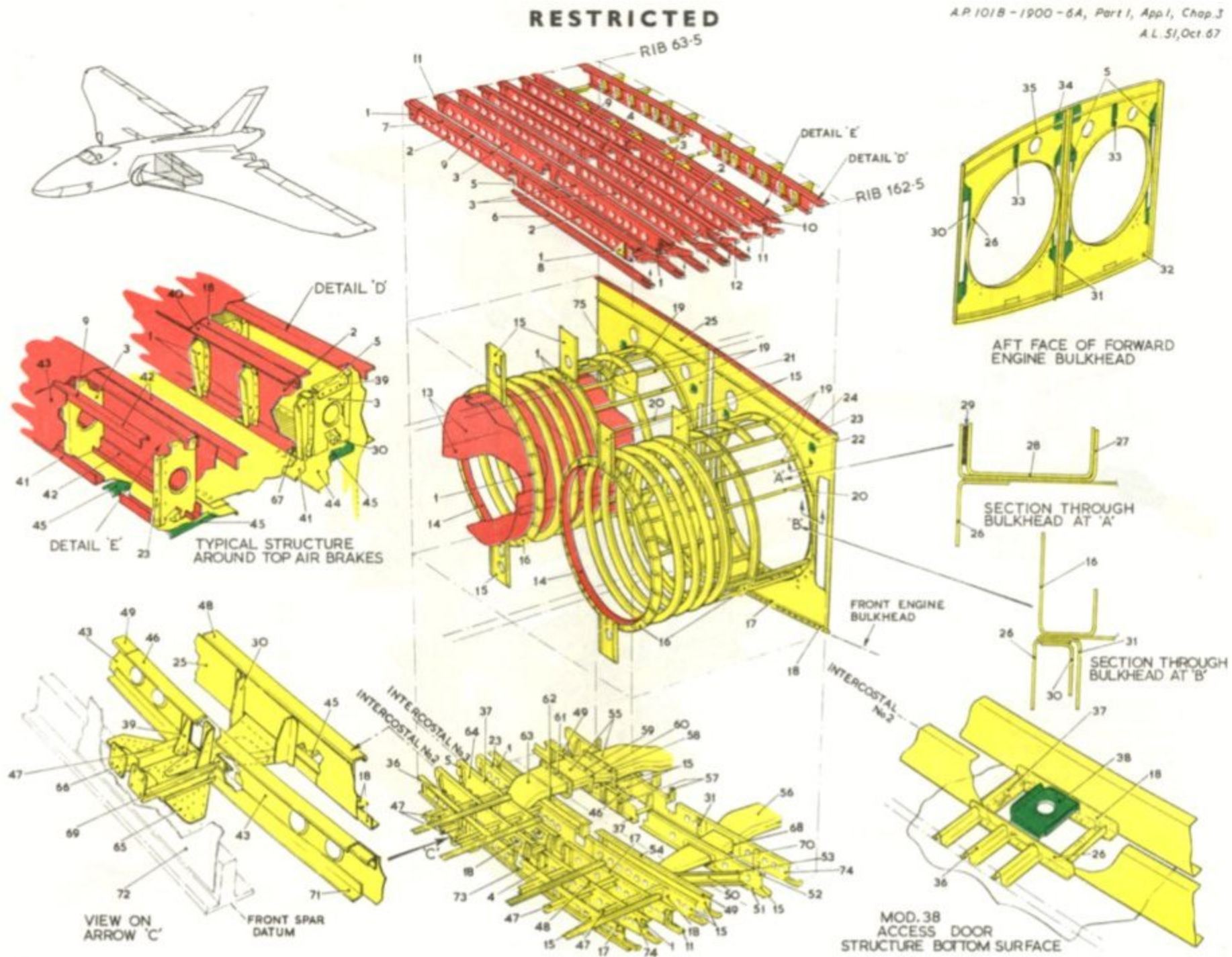


Fig. A315 Air intake structure aft of front spar (Post Mod. 360,672,729,893,895 and 1682)

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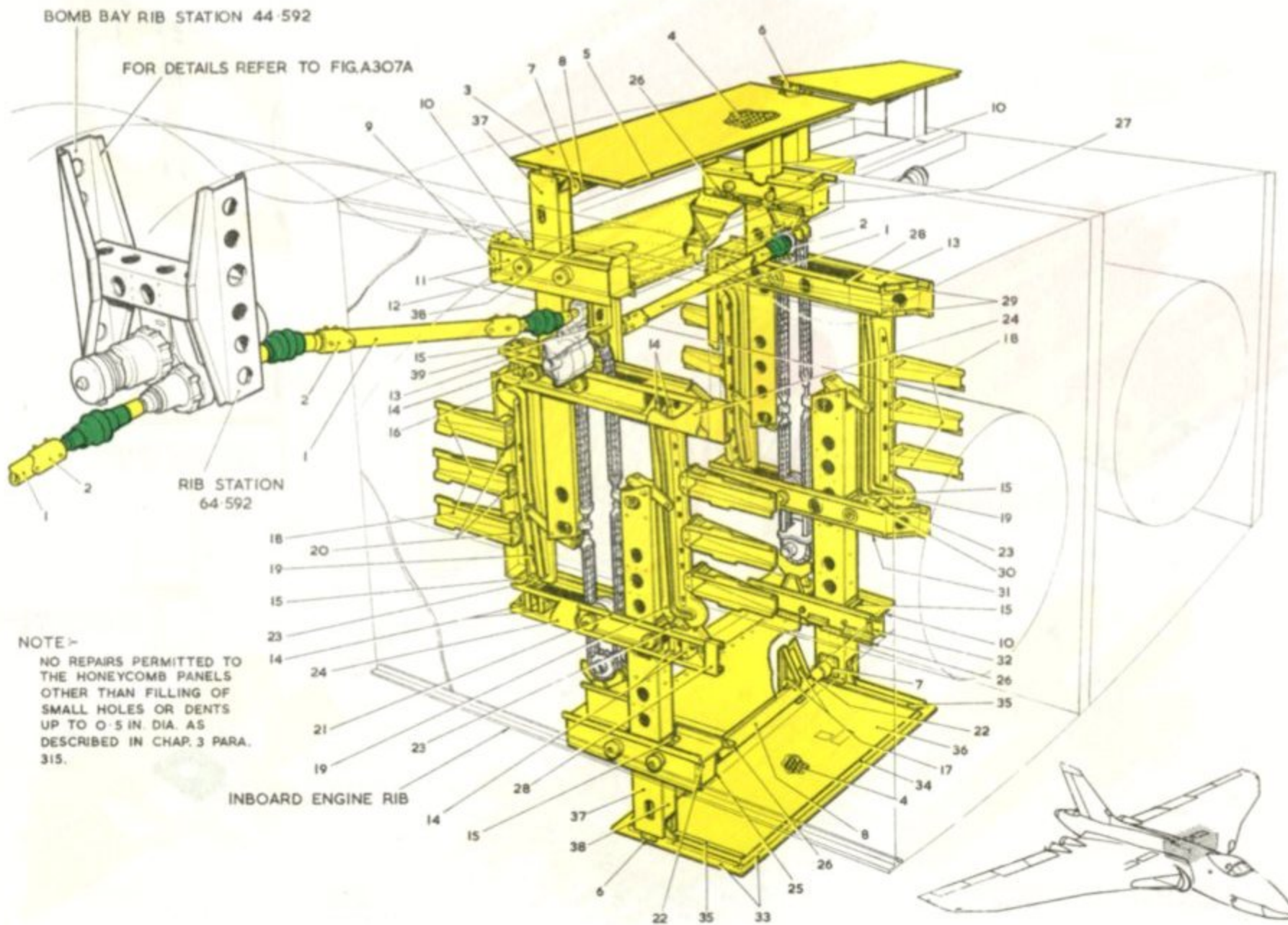


Fig. A316 Airbrake structure (Post Mod. 672 part C, and 895)

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.51, Oct.67

KEY TO FIG.A316 (POST MOD.672 PART C. AND 895)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	T.45	20	Main shaft drive	* 0.025	3.0	-	-	-
2	T.45	17	Sleeve	x 0.025	3.0	-	-	-
3	L.73	17	Top skin	xx 0.025	3.0	-	-	-
4	-	11/SS.4282	Honeycomb	xx -	-	-	-	-
5	L.73	16	Member	x 0.025	3.0	-	-	-
6	H.S.S.668	-	Stop	x 0.025	3.0	-	-	-
7	L.65	-	Spigot	x 0.025	3.0	-	-	-
8	L.63	20	Bracing tube	0.025	3.0	-	-	-
9	L.72	18	Angle	0.05	6.0	0.25	6:1	-
10	L.72	18	Top channel	0.05	3.0	0.25	8:1	103
11	L.72	18	Side channel	0.05	3.0	0.25	8:1	103
12	L.72	18	Bottom channel	0.05	3.0	0.25	8:1	103
13	L.72	18	Channel skin	0.025	3.0	-	-	-
14	L.72	18	Diaphragm	x 0.05	3.0	0.25	8:1	-
15	L.72	18	Angle	x 0.05	3.0	0.125	4:1	-
16	L.72	18	Channel skin	0.05	3.0	0.25	8:1	-
17	D.T.D.410	-	Bracket	0.5	3.0	0.25	8:1	-
18	L.72	18	Buttress	x 0.05	3.0	0.25	6:1	-
19	D.T.D.304 or L.53	-	Cam track	0.05	3.0	-	-	-
20	L.65	-	Channel bracket	-	-	-	-	-
21	L.72	18	Channel	0.05	3.0	0.25	8:1	-
22	D.T.D.687	10	Plate	0.05	3.0	0.25	8:1	103
23	L.65	-	Cam support bracket	0.025	3.0	-	-	-
24	L.72	20	Packer	-	-	-	-	-
25	D.T.D.687	12	Plate	0.05	3.0	0.25	8:1	-
26	L.72	18	Attachment angle	x 0.05	3.0	0.25	8:1	-
27	L.72	18	Diaphragm	0.05	3.0	0.25	6:1	-
28	L.72	441/SS.1793	Channel	0.025	3.0	-	-	-
29	S.510	18	Joint angle	-	-	-	-	-
30	L.65	-	Channel	-	-	-	-	-
31	L.72	16	Channel	0.05	3.0	0.25	8:1	103
32	L.72	18	Gusset	0.05	3.0	0.25	6:1	-
33	L.73	921/SS.1793	Member	0.05	3.0	-	-	-
34	L.73	16	Corner angle	-	-	-	-	-
35	L.72	16	Bearing plate	0.025	3.0	-	-	103
36	L.73	18	Skin	0.025	3.0	0.25	8:1	-
37	L.73	8	Side plate	0.025	3.0	0.25	8:1	-
38	D.T.D.683	408/SS.3075	Channel	0.025	3.0	0.25	8:1	-
39	L.73	16	Diaphragm	x 0.05	3.0	0.25	8:1	-

x More expedient to renew than repair.

xx See note on Fig.A316.

* No repairs permitted.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A315 (POST MOD. 360, 672, 729, 893, 895 AND 1682)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L.72	18	Bracket	x 0.02	2.5	0.25	4:1	-
2	L.72	16	Web	0.02	3.0	0.25	4:1	105
3	L.72	18	Web	0.02	3.0	0.25	4:1	105
4	L.72	20	Bracket	x 0.05	2.5	0.25	4:1	-
5	L.72	16	Bracket	x 0.05	2.5	0.25	4:1	-
6	L.73	1341/SS.1793	Stringer	-	-	0.125	4:1	-
7	L.73	619/SS.1793	Angle	-	-	0.125	4:1	-
8	L.72	14	Packer	x 0.02	2.5	-	-	-
9	L.73	1004/SS.1793	Angle	-	-	0.125	4:1	-
10	DTD.5024	-	Bracket	* 0.02	-	-	-	-
11	L.77	-	Bracket	* 0.02	-	-	-	-
12	DTD.5054	-	Bracket	* 0.02	-	-	-	-
13	L.72	17	Skin	* 0.025	3.0	-	-	103, 116
14	L.72	20	Butt strap	-	-	-	-	-
15	L.72	20	Web	0.1	2.5	0.25	4:1	105, 108
16	L.72	18	Former	0.1	2.5	0.25	4:1	107, 108
17	L.72	386/SS.1793	Angle	-	-	0.125	4:1	-
18	L.72	530/SS.1793	Angle	-	-	0.125	4:1	-
19	L.72	667/SS.1793	Stringer	0.1	2.5	0.125	4:1	-
20	L.72	816/SS.1793	Stringer	0.1	2.5	0.125	4:1	-
21	L.72	22	Web	0.1	2.5	-	-	103, 104
22	L.72	20	Stiffener plate	x 0.05	2.5	-	-	-
23	L.72	12B/SS.1793	Angle	-	-	0.125	4:1	113
24	L.77	349/SS.1793	Boom	-	-	0.125	4:1	114
25	L.73	22	Web	0.1	2.5	0.25	4:1	-
26	L.72	1221/SS.1793	Angle	0.02	2.5	0.125	4:1	-
27	L.72	990/SS.1793	Former	0.1	2.5	0.25	4:1	-
28	L.72	18	Channel	0.05	-	-	-	-
29	L.72	18	Packing	-	-	0.125	4:1	-
30	L.72	18	Angle	x 0.02	2.5	0.125	4:1	-
31	L.72	20	Angle	0.02	2.5	0.125	4:1	-
32	L.72	752/SS.1793	Angle	-	-	0.125	4:1	-
33	L.72	379/SS.1793	Stiffener	x -	-	0.125	4:1	-
34	L.72	278/SS.1793	Channel	x 0.05	2.5	0.25	4:1	-
35	L.73	1093/SS.1793	Angle	-	-	0.125	4:1	-
36	L.72	510/SS.1793	Stiffener	x 0.02	2.5	0.125	4:1	-
37	L.72	16	Angle	-	-	0.125	4:1	-
38	L.72	14	Bracket	x 0.05	2.5	0.125	4:1	-
39	L.72	270/SS.1793	Angle	-	-	0.125	8:1	-
40	L.77	274/SS.3075	Angle	-	-	0.125	4:1	-
41	L.73	16	Angle	-	-	0.125	4:1	-
42	L.77	340/SS.3075	Angle	-	-	0.125	4:1	-
43	L.73	18	Web	0.01	2.5	0.25	4:1	105
44	L.73	18	Skin	0.1	2.5	0.5	8:1	-
45	L.72	16	Stiffener	0.1	2.5	0.125	4:1	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A315 (POST MOD. 360, 672, 729, 893, 895 AND 1682 cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
46	L. 72	688/SS. 1793	Angle	0.05	2.5	0.125	4:1	-
47	L. 72	14	Intercostal	-	-	0.125	4:1	-
48	L. 72	304/SS. 1743	Angle	-	-	0.125	4:1	-
49	L. 72	18	Angle	-	-	0.125	4:1	-
50	L. 72	239/SS. 1793	Angle	-	-	0.125	4:1	-
51	L. 72	350/SS. 1793	Angle	-	-	0.125	4:1	-
52	L. 72	410/SS. 1793	Angle	-	-	0.125	4:1	-
53	L. 72	233/SS. 1793	Angle	-	-	0.125	4:1	-
54	L. 72	249/SS. 1793	Angle (Pre-Mod. 170)	-	-	0.125	4:1	-
55	S. 521	22	Duct	0.05	4.0	-	-	-
56	S. 521	24	Duct	0.05	4.0	-	-	-
57	L. 72	18	Channel	x 0.02	2.5	0.125	4:1	-
58	S. 521	22	Flange	-	-	0.125	4:1	-
59	L. 72	985/SS. 1793	Angle	x -	-	0.125	4:1	-
60	L. 72	13B/SS. 1793	Angle	-	-	0.125	4:1	113
61	S. 521	24	Flange	-	-	0.125	4:1	-
62	S. 521	20	Angle	-	-	0.125	4:1	-
63	S. 521	24	Duct	0.05	4.0	-	-	-
64	L. 73	20	Web	0.1	2.5	0.25	4:1	-
65	S. 514	12	Plate, reinforcing	0.02	3.0	0.125	8:1	-
66	L. 77	406/SS. 3075	Bracket	* 0.02	-	-	-	-
67	L. 77	559/SS. 3075	'T' Piece	x -	-	-	-	-
68	L. 72	18	Plate, reinforcing	0.05	2.5	0.125	4:1	-
69	L. 73	16	Angle	x -	-	-	-	-
70	L. 72	16	Plate, reinforcing	-	-	0.125	4:1	-
71	L. 73	14	Angle	-	-	0.125	4:1	-
72	DTD. 687	18	Web	0.05	3.0	0.5	8:1	-
73	L. 77	296/SS. 3075	Angle	-	-	0.125	4:1	-
74	L. 72	24	Web	0.1	2.5	0.25	4:1	-
75	L. 72	18	Plate	x 0.1	2.5	0.25	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions quoted in inches

RESTRICTED

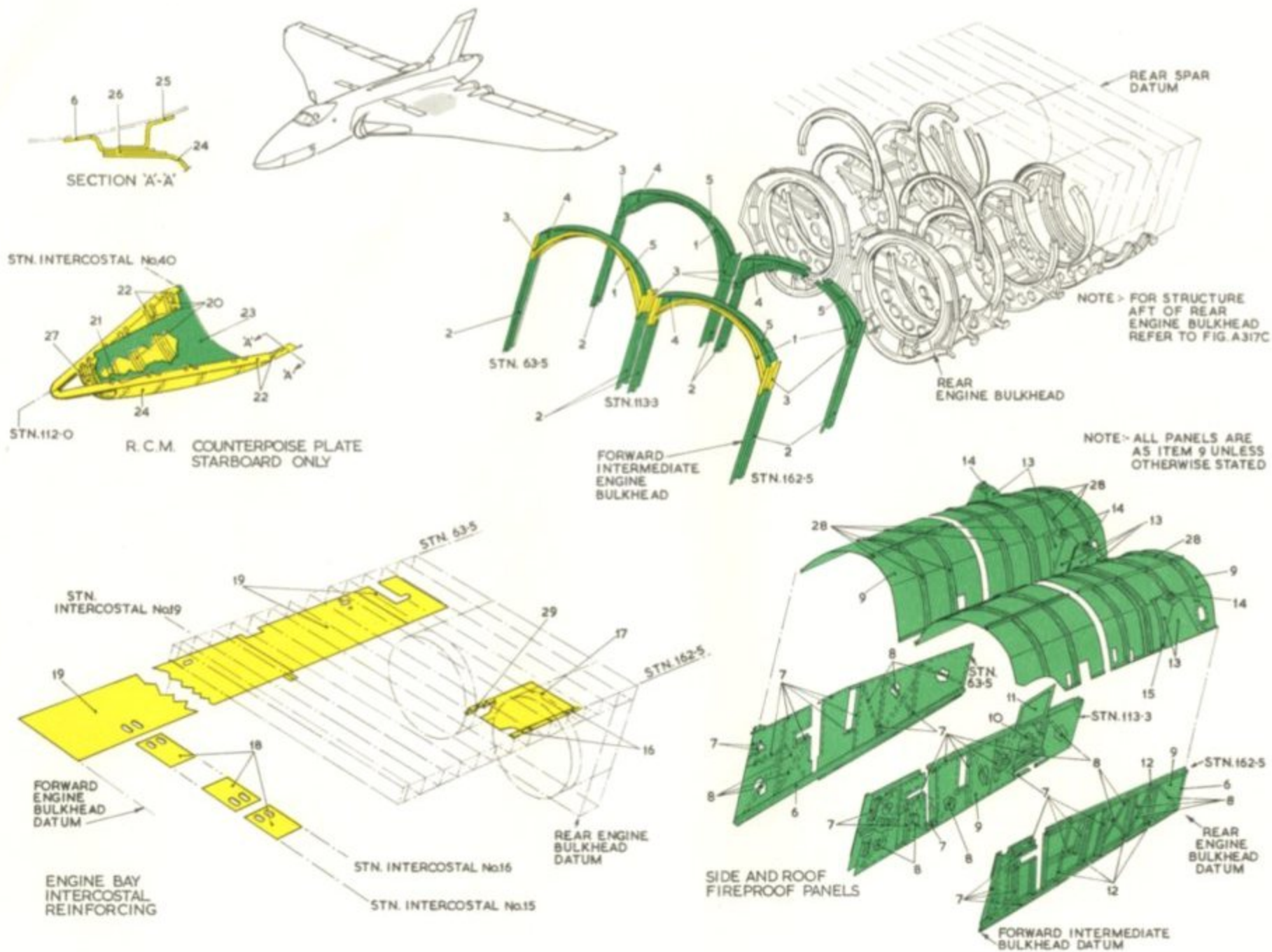


Fig. A317. Engine bay structure and fireproofing

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KEY TO FIG.A317

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	S.521	22	Angle	-	-	0.25	4:1	-
2	S.521	22	Seal member	-	-	0.25	4:1	-
3	S.521	24	Angle	-	-	0.25	4:1	-
4	S.521	24	Web	-	-	0.25	4:1	-
5	S.521	24	Capping strip	-	-	0.25	4:1	-
6	S.521	26	Angle	x 0.1	2.5	-	-	-
7	S.521	743/SS.1793	'Z' member	x 0.1	2.5	-	-	-
8	S.521	744/SS.1793	Channel	x 0.1	2.5	-	-	-
9	D.T.D.5023	28	Panel	0.3	2.5	-	-	342A
10	S.521	1475/SS.1793	Stiffener	x 0.1	2.5	-	-	-
11	-	BRF/59323	Refrasil blanket	-	-	-	-	-
12	S.521	26	'Z' member	0.1	2.5	-	-	-
13	D.T.D.5023	22	Plate	0.2	2.0	-	-	-
14	S.521	22	Sleeve	x 0.1	2.5	-	-	-
15	S.521	796/SS.1793	Angle	0.1	2.5	-	-	-
16	S.514	18	Reinforcing strip	-	-	0.125	4:1	-
17	L.72	18	Plate	0.1	2.5	1.0	8:1	-
18	L.72	20	Plate	0.1	2.5	0.5	8:1	-
19	L.72	20	Plate	0.1	2.5	1.0	8:1	-
20	L.72	383/SS.1793	Stiffener	-	-	0.125	4:1	-
21	L.72	412/SS.1793	Stiffener	0.02	2.5	0.125	4:1	-
22	L.72	16	Angle	-	-	0.125	4:1	-
23	V.C.M.	698/26	Lining (Mod.1890)	x -	-	-	-	-
24	L.72	16	Skin	0.1	2.5	-	-	-
25	S.514	16	Bracket	0.02	2.5	0.125	4:1	-
26	-	-	Glass fibre rubbing strip	x -	-	-	-	-
27	L.72	16	Lip (Mod.1055)	0.1	2.5	-	-	-
28	S.521	777/SS.1793	Angle	0.1	2.5	-	-	-
29	L.72	84/SS.1793	Diaphragm	0.15	2.0	2.5	4:1	-

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A317A

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes		
				Depth		Dia.		
1	L. 72	16	Diaphragm	x 0.1	2.5	0.25	4:1	-
2	L. 72	18	Angle	x 0.05	2.5	0.25	4:1	-
3	L. 72	16	Web	0.1	2.5	0.25	4:1	103
4	L. 73	10	Bearing strip	x 0.02	2.5	-	-	-
5	R. 77 or D. T. D. 5054	Forging	Bracket	* 0.02	2.5	-	-	-
6	L. 72	18	Web bracket	x 0.05	2.5	0.25	4:1	-
7	L. 72	24	Web	0.05	2.5	0.25	4:1	103
8	L. 72	20	Bracket	x 0.05	2.5	0.25	4:1	-
9	L. 65	340/SS, 3075	Angle	-	-	0.125	4:1	-
10	L. 65	292/SS, 3075	Angle	-	-	0.125	4:1	-
11	L. 72	446/SS, 1793	Angle	-	-	0.125	4:1	-
12	L. 72	14	Channel	0.1	2.5	0.5	8:1	-
13	L. 72	14	Web bracket	x 0.05	2.5	0.25	4:1	-
14	L. 72	385/SS, 1793	Angle	-	-	0.125	4:1	-
15	L. 72	18	Reinforcing plate	x -	-	-	-	-
16	L. 72 or L. 73	10 or 1004/SS, 1793	Lipped angle	-	-	0.125	4:1	-
17	L. 72	16	Lipped angle	-	-	0.125	4:1	-
18	L. 72	66/SS, 1793	Angle	-	-	0.125	4:1	-
19	L. 72	20	Reinforcing skin	0.1	2.5	0.25	4:1	103, 104
20	L. 72	16	Angle	x -	-	-	-	-
21	L. 72	18	Diaphragm	x 0.1	2.5	0.25	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A317A

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S. W. G. or Section		Dents	Holes	Holes		
				Depth	Dist. Apart	Dia.		
1	L. 72	16	Diaphragm	x 0.1	2.5	0.25	4:1	-
2	L. 72	18	Angle	x 0.05	2.5	0.25	4:1	-
3	L. 72	16	Web	0.1	2.5	0.25	4:1	103
4	L. 73	10	Bearing strip	x 0.02	2.5	-	-	-
5	R. 77 or D. T. D. 5054	Forging	Bracket	* 0.02	2.5	-	-	-
6	L. 72	18	Web bracket	x 0.05	2.5	0.25	4:1	-
7	L. 72	24	Web	0.05	2.5	0.25	4:1	103
8	L. 72	20	Bracket	x 0.05	2.5	0.25	4:1	-
9	L. 65	340/SS. 3075	Angle	-	-	0.125	4:1	-
10	L. 65	292/SS. 3075	Angle	-	-	0.125	4:1	-
11	L. 72	446/SS. 1793	Angle	-	-	0.125	4:1	-
12	L. 72	14	Channel	0.1	2.5	0.5	8:1	-
13	L. 72	14	Web bracket	x 0.05	2.5	0.25	4:1	-
14	L. 72	385/SS. 1793	Angle	-	-	0.125	4:1	-
15	L. 72	18	Reinforcing plate	x -	-	-	-	-
16	L. 72 or L. 73	10 or 1004/SS. 1793	Lipped angle	-	-	0.125	4:1	-
17	L. 72	16	Lipped angle	-	-	0.125	4:1	-
18	L. 72	66/SS. 1793	Angle	-	-	0.125	4:1	-
19	L. 72	20	Reinforcing skin	0.1	2.5	0.25	4:1	103, 104
20	L. 72	16	Angle	x -	-	-	-	-
21	L. 72	18	Diaphragm	x 0.1	2.5	0.25	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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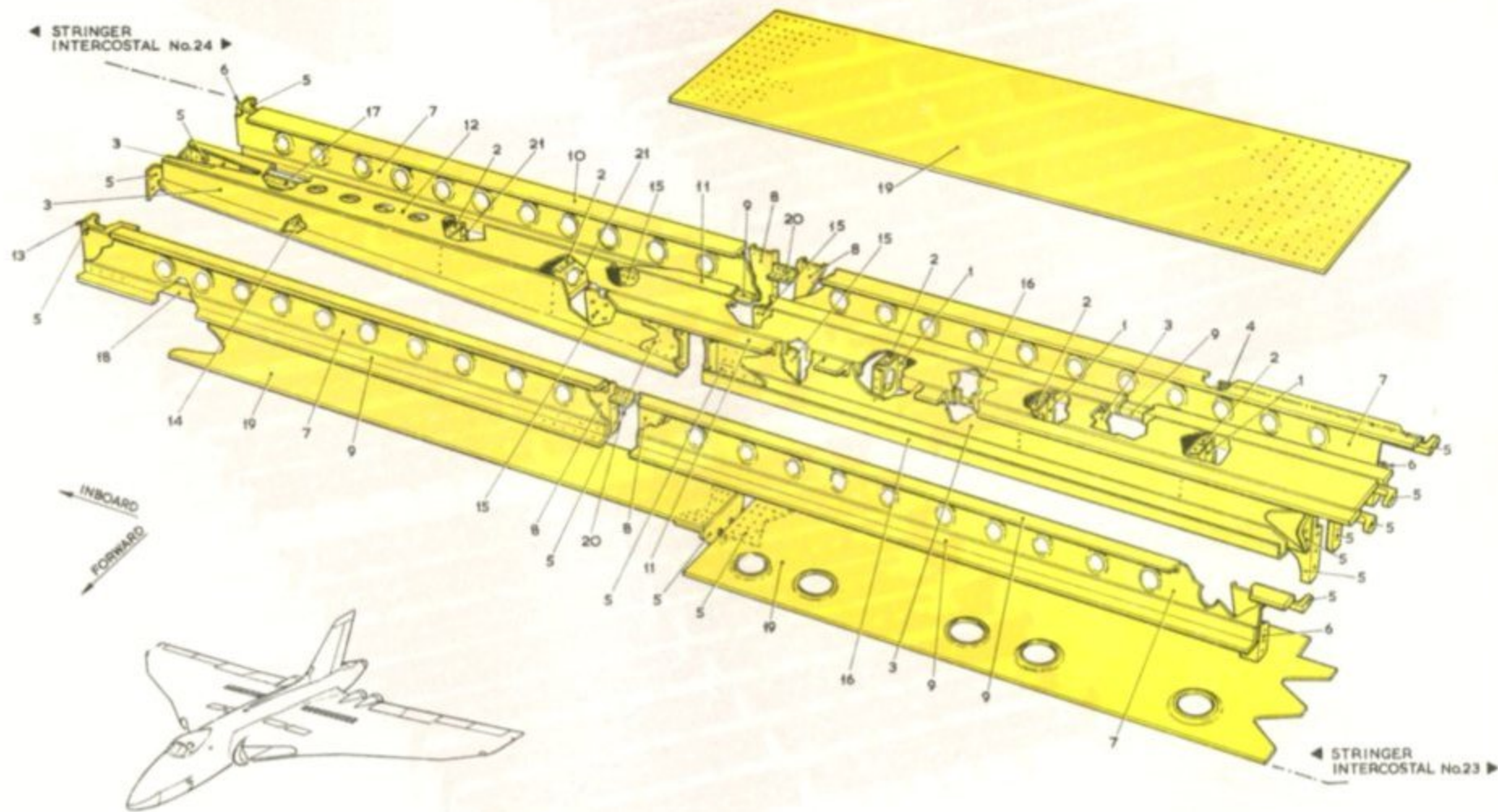
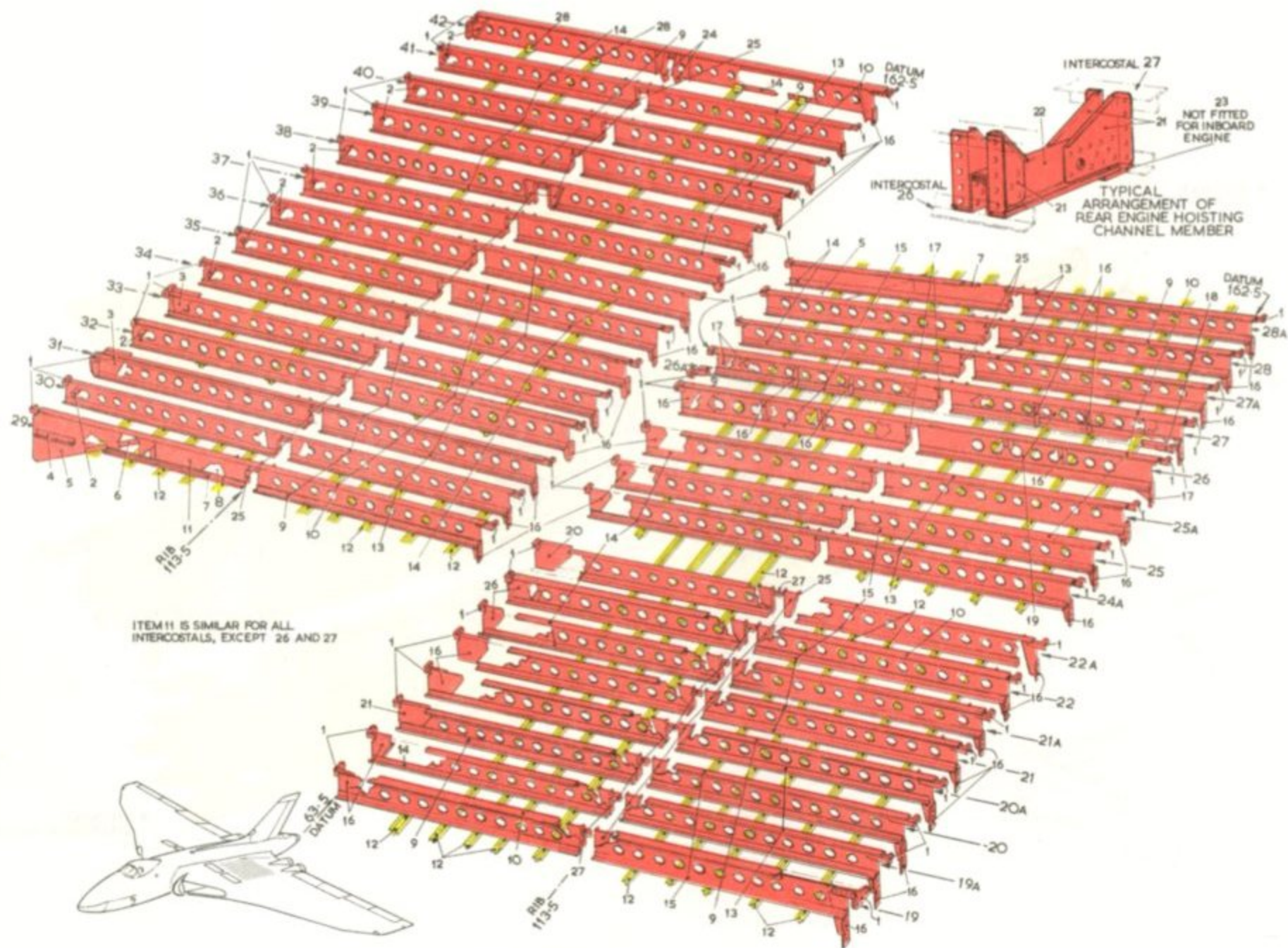


Fig. A317A. Main ^{u/c} side load beam

RESTRICTED



ITEM 11 IS SIMILAR FOR ALL INTERCOSTALS, EXCEPT 26 AND 27

Fig. A317B. Centre section roof structure

RESTRICTED

KEY TO FIG.A317B

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Holes Dia.		
1	L.65 or D.T.D.5054	-	Bracket	*0.02	-	-	-	-
2	L.72	18	Bracket	*0.05	2.5	0.25	4:1	-
3	L.72	16	Bracket	*0.02	2.5	0.125	4:1	-
4	L.72	996/SS.1793	Angle	-	-	0.125	4:1	-
5	L.72	16	Panel	0.02	3.0	0.25	6:1	-
6	L.65	213/SS.3075 or 272/SS.3075	Angle	-	-	0.125	4:1	-
7	L.72	18	Nesting angle	-	-	0.125	4:1	-
8	L.72	18	Reinforcing plate	0.02	3.0	0.25	6:1	-
9	L.73	1093/SS.1793	Angle	-	-	0.125	4:1	-
10	L.65 or D.T.D.5054	292/SS.3075 or 301/SS.3075	Angle	-	-	0.125	4:1	-
11	L.72	24	Web	0.02	3.0	0.25	6:1	103,104,106
12	L.72	379/SS.1793	Stringer (top hat)	-	-	0.125	4:1	-
13	L.73	1094/SS.1793	Angle	-	-	0.125	4:1	-
14	L.73	1095/SS.1793	Angle	-	-	0.125	4:1	-
15	L.65	340/SS.3075	Angle	-	-	0.125	4:1	-
16	L.72	18	Bracket	x0.02	2.5	0.25	4:1	-
17	L.72	16	Bracket	x -	-	0.125	4:1	-
18	L.65	-	Bracket	*0.02	-	-	-	-
19	L.72	18	Web	0.02	3.0	0.125	4:1	103,104,106
20	L.72	16	Bracket	x0.02	2.5	0.25	4:1	-
21	L.72	16	Bracket	x0.02	2.5	0.125	4:1	-
22	L.73	16	Channel	-	-	0.125	4:1	-
23	L.72	18	Gusset plate	x0.02	2.5	0.125	4:1	-
24	L.72	18	Bracket	x0.05	2.5	0.25	4:1	-
25	L.72	20	Bracket	x0.05	2.5	0.25	4:1	-
26	L.72	14	Bracket	x -	-	0.125	4:1	-
27	L.72	16	Bracket	x0.05	2.5	0.25	4:1	-
28	L.72	20	Angle	x0.05	3.0	0.25	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A317C (POST MOD. 698 AND 729)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	D. T. D. 5023	26	Web	0.1	2.5	0.25	4:1	-
2	L. 72	379/SS. 1793	Stiffener	0.05	3.0	-	-	-
3	D. T. D. 5023	26	Reinforcing plate	0.1	2.5	-	-	-
4	L. 72	20	Gusset	x 0.05	3.0	-	-	-
5	D. T. D. 5033	1143/SS. 1793	Stiffener	0.05	3.0	-	-	-
6	L. 72	677/SS. 1793	Stiffener	0.05	3.0	-	-	-
7	D. T. D. 5023	26	Angle	0.05	3.0	-	-	-
8	D. T. D. 5023 or D. T. D. 5033	1145/SS. 1793	Angle	0.05	3.0	-	-	-
9	D. T. D. 5023	1147/SS. 1793	Ring	0.05	3.0	-	-	-
10	D. T. D. 5023	1146/SS. 1793	Angle	0.05	3.0	-	-	-
11	D. T. D. 5023	26	Packing	x 0.05	3.0	-	-	-
12	S. 520 or S. 521	744/SS. 1793	Stiffener	0.05	3.0	-	-	-
13	D. T. D. 5509	1/SS. 4488	Seal (Mod. 488)	x -	-	-	-	-
14	D. T. D. 5033	16	Lipped angle	0.05	3.0	-	-	-
15	D. T. D. 5023	26	Shroud angle	0.05	3.0	-	-	-
16	L. 72	18	Doubling strap	0.05	3.0	-	-	-
17	S. 514	14	Flanged reinforcing plate	0.05	3.0	-	-	-
18	S. 521	24	Shim stowage bracket (Mod 1320)	0.1	2.5	-	-	-
19	D. T. D. 5023	1146/SS. 1793	Retaining angle	0.05	3.0	-	-	-
20	L. 77 or D. T. D. 5054	-	Stringer bracket	0.02	2.5	-	-	-
21	D. T. D. 5023 or D. T. D. 5033	1146/SS. 1793	Shroud angle	0.05	3.0	-	-	-
22	D. T. D. 5023	26	Reinforcing plate	0.05	3.0	-	-	-
23	L. 72	18	Gusset plate	0.05	3.0	-	-	-
24	L. 77	-	Stringer bracket	x 0.02	2.5	-	-	-
25	L. 72	18	Angle	0.05	3.0	-	-	-
26	L. 72	20	Doubling web	0.05	3.0	-	-	-
27	L. 72	20	Web	0.05	3.0	-	-	-
28	L. 72	667/SS. 1793	Former	0.05	3.0	-	-	-
29	L. 72	306/SS. 1793	Joint angle	x 0.05	3.0	-	-	-
30	L. 72	20	Doubling web	0.1	2.5	0.25	4:1	-
31	L. 72	729/SS. 1793	Reinforcing angle	0.05	3.0	-	-	-
32	L. 72	16	Cross member	0.05	3.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A317C (POST MOD.698 AND 729) (Cont'd.)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
33	L.72	8	Doubling strip	0.05	3.0	-	-	-
34	L.72	18	Gusset	0.05	3.0	0.25	4:1	-
35	L.72	308/SS.1793	Channel	0.05	3.0	-	-	-
36	L.72	20	Web	0.1	2.5	0.25	4:1	-
37	L.72	20	Doubling web	0.1	2.5	0.25	4:1	-
38	L.72	18	Pressing	0.05	3.0	0.25	4:1	-
39	L.72	18	Channel	0.05	3.0	-	-	-
40	L.77 or D.T.D.5054	-	Stringer bracket	x 0.02	2.5	-	-	-
41	L.72	20	Attachment bracket	x 0.05	3.0	-	-	-
42	L.72	20	Channel	0.05	3.0	-	-	-
43	L.72	22	Channel	0.05	3.0	0.25	4:1	-
44	L.72	93/SS.1793	Cross member	0.05	3.0	-	-	-
45	L.72	20	Attachment bracket	x 0.05	3.0	-	-	-
46	L.72	18	Flanged bracket	x 0.05	3.0	0.25	4:1	-
47	D.T.D.5054	-	Stringer bracket	x 0.02	2.5	-	-	-
48	L.72	20	Gusset	x 0.05	3.0	0.25	4:1	-
49	L.72	725/SS.1793	Angle	0.05	3.0	-	-	-
50	L.72	18	Capping strip	0.05	3.0	-	-	-
51	L.72	22	Web	0.1	2.5	0.25	4:1	-
52	L.72	1251/SS.1793	Ring angle	0.05	3.0	-	-	-
53	L.72	18	Gusset	x 0.1	2.5	0.25	4:1	-
54	L.72	20	Gusset	x 0.1	2.5	0.25	4:1	-
55	L.72	22	Channel	0.05	3.0	-	-	-
56	L.72	18	Flanged bracket	x 0.05	3.0	0.25	4:1	-
57	L.72	20	Attachment bracket	x 0.05	3.0	0.25	4:1	-
58	S.510	20	Stiffener	0.05	3.0	-	-	-
59	L.72	22	Reinforcing channel	0.05	3.0	-	-	-
60	L.72	20	Attachment bracket	x 0.05	3.0	0.25	4:1	-
61	S.510	22	Angle	x 0.05	3.0	-	-	-
62	L.72	18	Gusset	x 0.1	2.5	0.25	4:1	-
63	L.72	410/SS.1793	Angle	0.05	3.0	-	-	-
64	L.72	20	Gusset	0.1	2.5	0.25	4:1	-
65	L.72	18	Gusset	0.1	2.5	0.25	4:1	-
66	L.72	249/SS.1793	Angle	0.05	3.0	-	-	-
67	L.72	18	Capping strip	0.1	2.5	0.25	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A317C (POST MOD. 698 AND 729) (Cont'd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes		
				Depth		Dia.		
68	L. 72	12	Reinforcing strip	x 0.05	3.0	-	-	-
69	L. 72	4	Reinforcing strip	x 0.05	3.0	-	-	-
70	L. 53	-	Crutch housing	* 0.02	2.5	-	-	-
71	L. 72	20	Channel	x 0.05	3.0	-	-	-
72	L. 72	18	Bracket	x 0.05	3.0	0.25	4:1	-
73	L. 72	20	Skin attachment angle	0.05	3.0	0.25	4:1	-
74	L. 72	20	Cross member	0.05	3.0	0.25	4:1	-
75	L. 77 or D. T. D. 5054	-	Stringer bracket	0.02	2.5	-	-	-
76	L. 72	18	Channel	x 0.05	3.0	-	-	-
77	L. 72	18	Pressing	x 0.05	3.0	-	-	-
78	L. 72	20	Bracket	x 0.05	3.0	0.25	4:1	-
79	L. 72	314/SS. 1793	Angle	0.05	3.0	-	-	-
80	L. 72	18	Bracket	0.05	3.0	-	-	-
81	L. 77	-	Stringer bracket	x 0.02	2.5	-	-	-
82	D. T. D. 5054	-	Stringer bracket	x 0.02	2.5	-	-	-
83	L. 72	725/SS. 1793	Joint angle	x 0.05	3.0	-	-	-
84	L. 72	725/SS. 1793	Reinforcing angle	0.05	3.0	-	-	-
85	L. 72	1251/SS. 1793	Ring angle	0.05	3.0	-	-	-
86	L. 72	20	Joint strip	x 0.05	3.0	-	-	-
87	L. 72	18	Gusset	0.1	2.5	0.25	4:1	-
88	L. 72	410/SS. 1793	Angle	0.05	3.0	-	-	-
89	L. 72	20	Attachment bracket	0.05	3.0	-	-	-
90	L. 72	20	Skin attachment angle	x 0.05	3.0	-	-	-
91	L. 72	940/SS. 1793	Reinforcing channel	0.05	3.0	-	-	-
92	D. T. D. 5054	-	Stringer bracket	x 0.02	2.5	-	-	-
93	L. 77	-	Stringer bracket	x 0.02	2.5	-	-	-
94	L. 72	940/SS. 1793	Channel	0.05	3.0	-	-	-
95	L. 72	18	Attachment angle	x 0.05	3.0	-	-	-
96	L. 72	16	Channel	0.05	3.0	-	-	-
97	L. 72	20	Stiffening plate	0.05	3.0	-	-	-
98	L. 72	1101/SS. 1793	Stringer 'Z' section	0.05	3.0	-	-	-
99	L. 65	325/SS. 3075	Stringer 'T' section	0.05	3.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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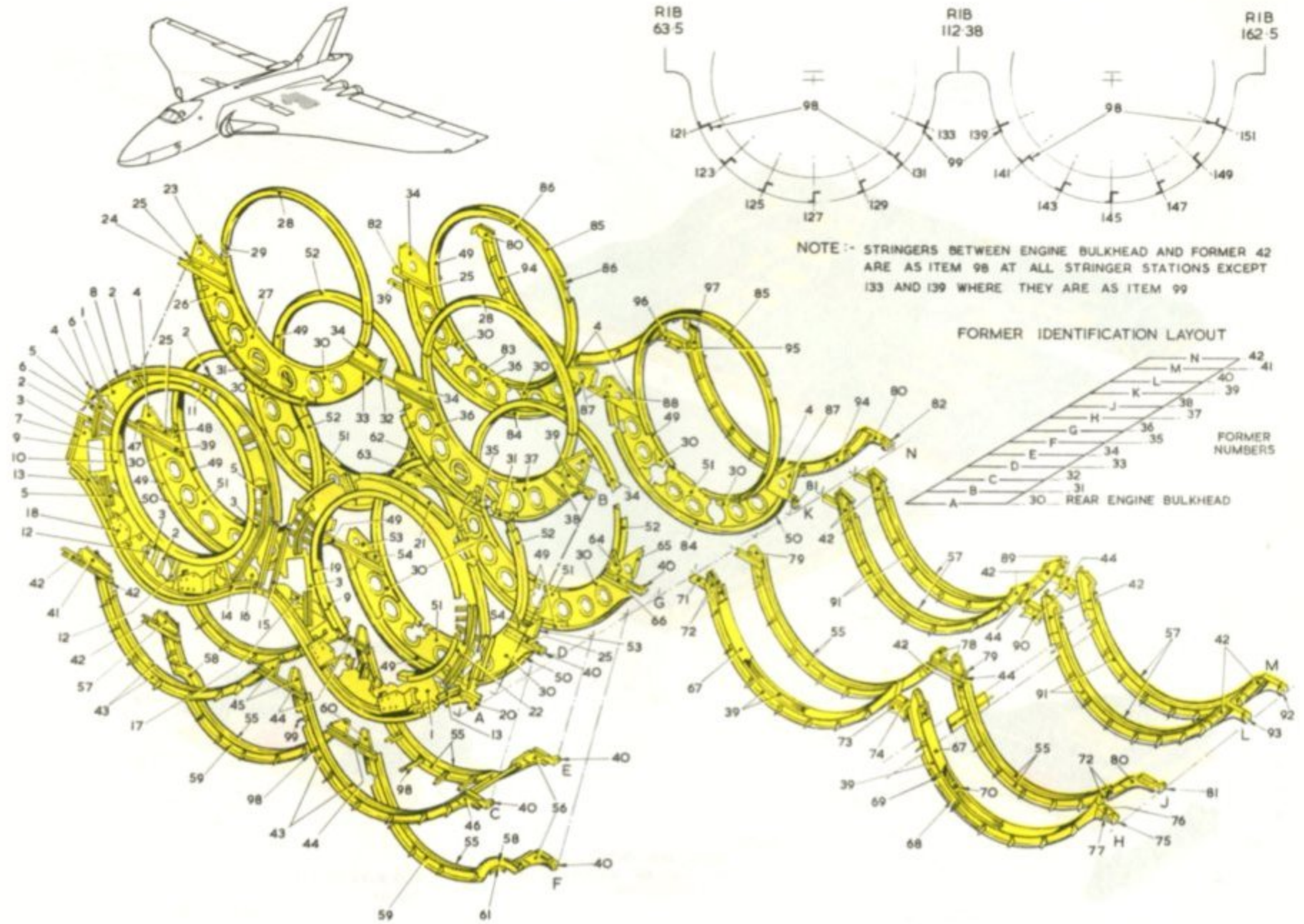


Fig. A317C Engine bay - aft structure (Post Mod. 698 and 729)

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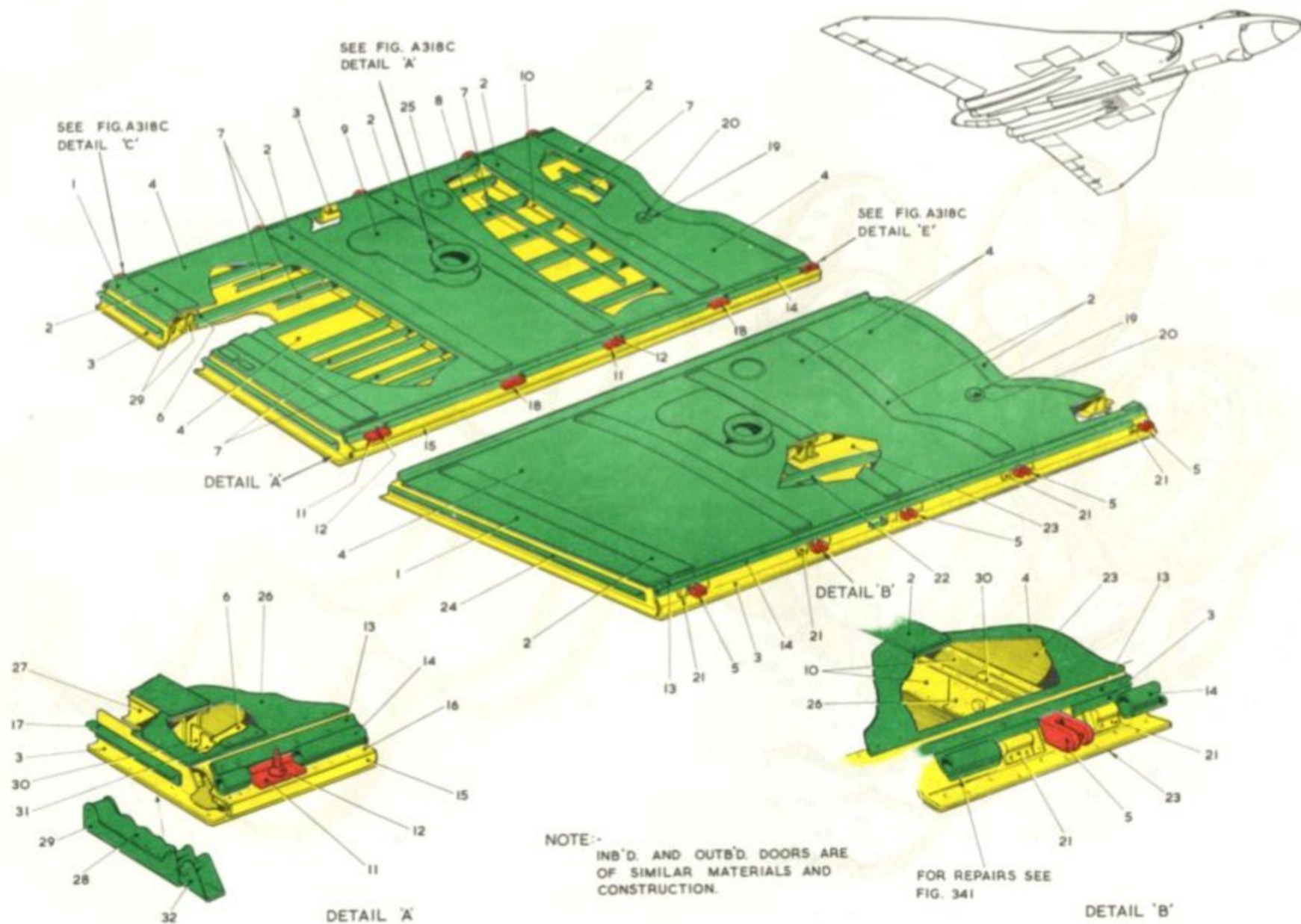


Fig. A318 Forward engine access doors (Post Mod. 729 and 906)

KEY TO FIG.A318 (POST MOD.729 AND 906)

Item	Material		Description	Dents Depth	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Holes Dist. Apart	Holes Dia.	Holes Pitch Ratio	
1	L.72	18	Stiffening plate	0.1	2.5	-	-	-
2	L.72	14	Butt strap	0.05	3.0	-	-	-
3	L.72	20	Edge member	0.1	2.5	-	-	-
4	L.72	24	Skin-inner	0.2	2.5	-	-	103
5	S.96	-	Hinge bracket	* -	-	-	-	-
6	L.72	18	Capping strip	* 0.1	2.5	0.25	4:1	-
7	L.72	665/SS.1799	Stiffener	x 0.1	2.5	0.25	4:1	-
8	L.72	665/SS.1793	Stringer	x 0.1	2.5	0.25	4:1	-
9	S.521	22	Plate	0.2	2.0	-	-	-
10	L.72	20	Former	0.1	2.5	-	-	-
11	S.21	-	Spigot	* -	-	-	-	-
12	S.514	2	Plate	* -	-	-	-	-
13	L.72	20	Seal retaining strip	x 0.2	2.0	-	-	-
14	D.T.D.5509	1/SS.4488	Seal	-	-	-	-	341
15	L.72	791/SS.1793	Channel member	0.1	2.5	-	-	-
16	L.72	18	Side member	0.1	2.5	-	-	-
17	L.72	337/SS.1793	Angle	0.1	2.5	-	-	-
18	S.514	6	Plate	* -	-	-	-	-
19	S.521	22	Flange	* 0.2	2.0	-	-	-
20	T.58	22	Drain tube	* 0.2	2.0	-	-	-
21	B.S.2572 Type F.3	-	Pin retaining block	x -	-	-	-	-
22	L.72	20	Butt strap	0.1	2.5	-	-	-
23	L.72	20	Skin-outer	0.1	2.3	-	-	103
24	L.72	20	Angle	0.1	2.3	-	-	-
25	L.72	20	Access panel	0.2	2.5	-	-	-
26	L.72	20	Stiffening plate	0.1	2.5	-	-	-
27	L.72	765/SS.1793	Former	0.1	2.5	-	-	-
28	B.S.S.668	-	Block	x -	-	-	-	-
29	L.72	20	Handle case	0.1	2.5	0.25	4:1	-
30	S.514	18	Plate	0.1	2.5	-	-	-
31	S.514	12	Flange	0.05	3.0	-	-	-
32	L.72	18	Catch bracket	x 0.1	2.5	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

KEY TO FIG. A318A (POST MOD. 729, 1320 AND 1347)

Item	Material		Description	Negligible Damage			Repair Fig.	
	Spec.	S.W.G. or Section		Dents	Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio	
1	D.T.D.5509 Grade C	1/SS.4488	'P' Seal	-	-	-	-	341
2	L.72	22	Web	0.1	2.5	-	-	-
3	D.T.D.5023	24	Butt strap	0.1	3.0	-	-	-
4	D.T.D.5023	26	Skin - inner	0.1	3.0	-	-	-
5	L.72	18	Capping strip	0.1	2.5	0.25	4 : 1	-
6	L.72	940/SS.1793	Intercostal	0.1	2.5	-	-	-
7	L.72	20	Angle	0.1	2.5	-	-	-
8	L.72	20	Skin - outer	0.1	2.5	-	-	103
9	S.521	1475/SS.1793	Stiffener	x 0.1	3.0	0.25	4 : 1	-
10	L.72	102/SS.1793	Former	0.1	2.5	-	-	-
11	S.521	22	Door frame	0.2	2.0	-	-	-
12	S.521	22	Angle	0.1	2.0	-	-	-
13	S.521	22	Web	0.1	2.5	-	-	-
14	L.72	20	Seal retaining strip	x 0.2	2.0	-	-	-
15	D.T.D.552 Grade A	SS.3976 or SS.4293	'P' Seal	-	-	-	-	341
16	S.514	2	Plate	* -	-	-	-	-
17	S.21	-	Spigot	* -	-	-	-	-
18	S.514	6	Plate	* -	-	-	-	-
19	L.72	20	Channel member	0.1	2.5	-	-	-
20	L.72	18	Edge member	0.1	2.5	-	-	-
21	L.72	665/SS.1793	Stringer	x 0.1	2.5	0.25	4 : 1	-
22	S.521	22	Drain	* 0.1	2.0	-	-	-
23	S.521	22	Seal retaining ring	* 0.1	2.0	-	-	-
24	S.521	22	Duct	* 0.1	2.0	-	-	-
25	S.521	20	Inner ring	* 0.1	2.0	-	-	-
26	S.521	22	Plate	0.1	3.0	-	-	-
27	S.521	22	Angle	0.1	3.0	-	-	-
28	D.T.D.171	24	Nozzle assembly	* 0.2	2.0	-	-	-
29	D.T.D.5023	24	Duct	* 0.2	2.0	-	-	-
30	D.T.D.712 or S.521	22	Flange	* 0.1	3.0	-	-	-
31	S.521	24	Flange	* 0.1	3.0	-	-	-
32	L.72	20	Edge member	0.1	2.5	-	-	-
33	L.72	925/SS.1793	Angle	0.1	2.5	-	-	-
34	S.521	22	Angle	0.1	3.0	-	-	-
35	D.T.D.171	24	'Make up' piece	0.2	2.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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KEY TO FIG.A318A (POST MOD. 729, 1320 AND 1347 Contd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
36	S.521	22	Channel	0.1	3.0	-	-	-
37	D.T.D.166	958/SS.1793	Stiffener	0.1	3.0	0.25	4 : 1	-
38	S.521	22	Skin - inner	0.1	3.0	-	-	342,342A
39	D.T.D.171	24	Former	0.2	2.5	-	-	-
40	B.S.2572 Type F.3	-	Block	x -	-	-	-	-
41	S.96	-	Hinge bracket	* -	-	-	-	-
42	B.S.2572 Type F.3	-	Pin retaining block	x -	-	-	-	-
43	L.72	20	Skin - outer	0.1	3.0	-	-	103
44	L.72	925/SS.1793	Angle	0.1	2.5	-	-	-
45	L.72	60/SS.1793	Angle	0.1	2.5	-	-	-
46	S.521	22	Top plate	0.2	2.0	-	-	-
47	D.T.D.171	24	Duct	0.2	2.0	-	-	-
48	S.521	22	Bracket	0.1	2.5	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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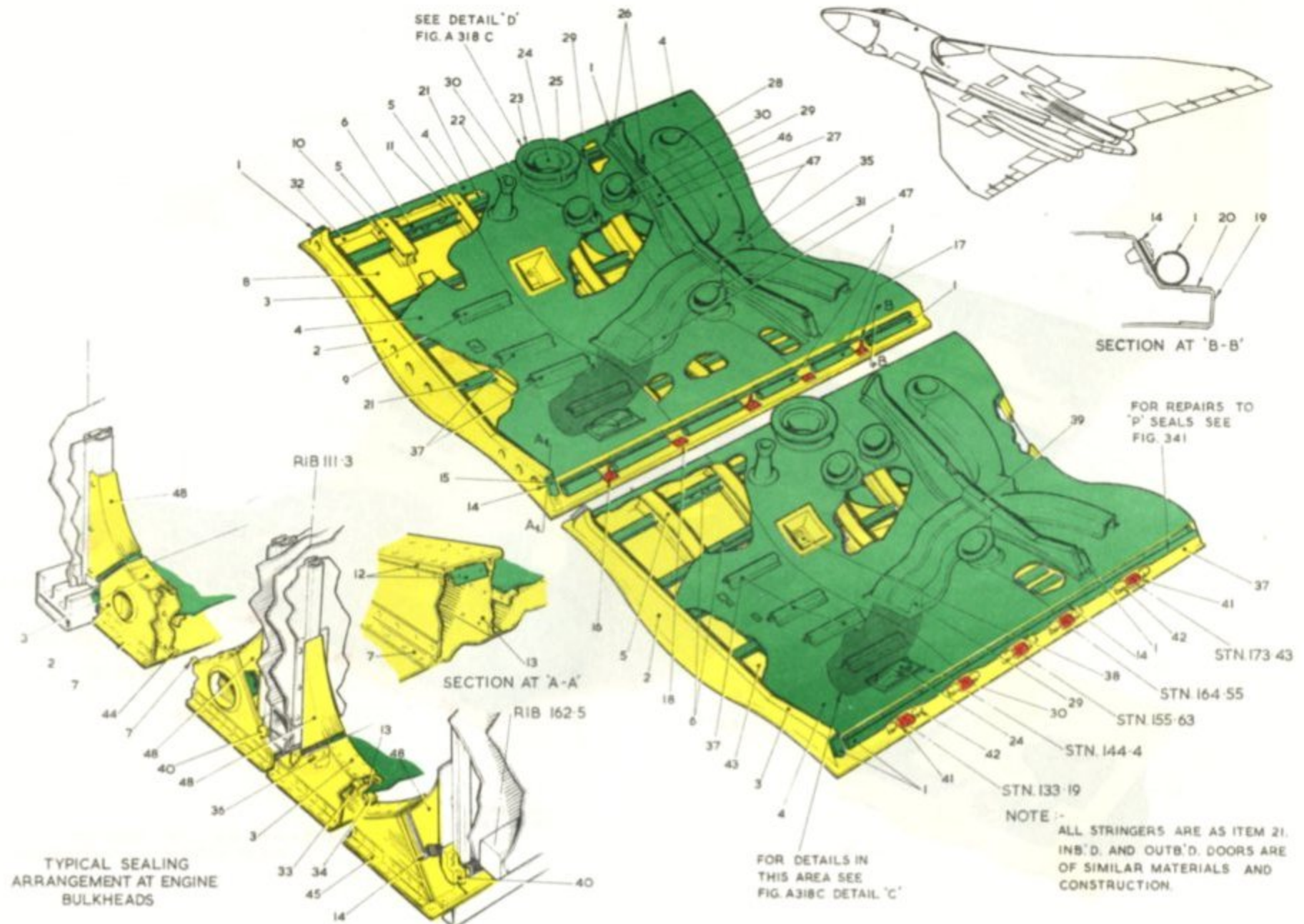


Fig. A318A Centre engine access doors (Post Mod. 729, 1320 and 1347)

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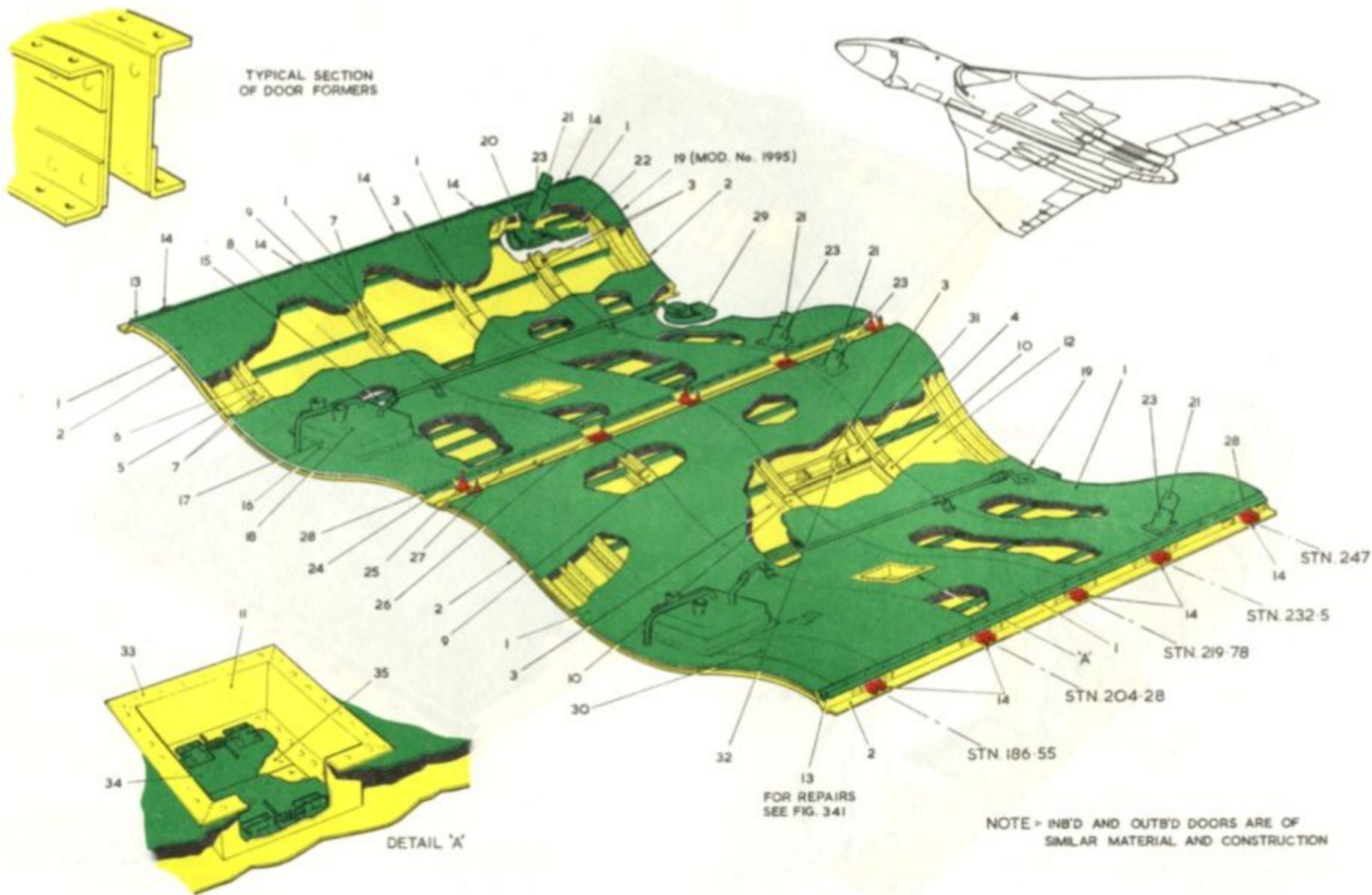


Fig. A318B Rear engine access doors (Post mod. 729)

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.51, Oct.67

KEY TO FIG.A318B (POST MOD.729)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	D.T.D.5023	26	Skin - inner	0.1	3.0	-	-	342,342A
2	L.72	20	Edge member	0.1	2.5	-	-	-
3	L.65	469/SS.3075	Angle	0.1	2.5	-	-	-
4	D.T.D.687	14	Web	0.05	3.0	-	-	-
5	L.72	27/SS.1793	Angle	0.1	2.5	-	-	-
6	L.72	13b/SS.1793	Angle	0.1	2.5	-	-	113
7	L.72	22	Web	0.1	2.5	-	-	-
8	L.72	665/SS.1793	Stringer	0.1	2.5	0.25	4 : 1	-
9	L.72	16	Capping strip	* 0.1	2.5	0.25	4 : 1	-
10	D.T.D.687	18	Capping strip	* 0.1	2.5	0.25	4 : 1	-
11	S.521	22	Side wall	0.1	2.5	-	-	-
12	L.72	20	Skin - outer	0.1	2.5	-	-	103
13	D.T.D.5509	1/SS.4488	Seal	-	-	-	-	341
14	S.96	-	Hinge bracket	* -	-	-	-	-
15	L.72	102/SS.1793	Channel	0.1	2.5	-	-	-
16	S.521	20	Angle	* 0.05	2.0	-	-	-
17	S.521	26	Tank	* 0.05	2.5	-	-	-
18	S.521	22	Tank lid	* 0.05	2.0	-	-	-
19	L.72	16	Reinforcing plate	0.1	2.5	-	-	-
20	L.59	18	Air scoop	* -	-	-	-	-
21	T.45	20	Duct	* 0.2	2.0	-	-	-
22	L.72	20	Reinforcing plate	0.1	2.5	-	-	-
23	S.510	20	Flange	* 0.2	2.0	-	-	-
24	S.21	-	Spigot	* -	-	-	-	-
25	S.514	2	Plate	* -	-	-	-	-
26	S.514	6	Plate	* -	-	-	-	-
27	L.72	18	Edge member	0.1	2.5	-	-	-
28	L.72	20	Seal retaining strip	0.2	2.0	-	-	-
29	D.T.D.171B	22	Extractor	0.1	2.5	-	-	-
30	D.T.D.5023	22	Gusset plate	0.1	3.0	-	-	-
31	D.T.D.687	18	Reinforcing plate	0.1	2.5	-	-	-
32	D.T.D.687	18	Web	0.1	2.5	-	-	-
33	S.521	22	Door frame	0.2	2.0	-	-	-
34	S.521	22	Skin - inner	0.2	2.0	-	-	342,342A
35	S.521	16	Skin - outer	0.2	2.0	-	-	342,342A

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A318C

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	D.T.D.712 or S.521	22	Duct wall	0.2	2.0	-	-	-
2	D.T.D.712	22	Butt strap	0.2	2.0	-	-	-
3	D.T.D.712 or S.521	22	Flange	* 0.2	2.0	-	-	-
4	D.T.D.712 or S.521	22	Duct	* 0.2	2.0	-	-	-
5	S.521	22	Angle	* 0.2	2.0	-	-	-
6	L.72	20	Intercostal	0.1	2.5	-	-	-
7	L.72	102/SS.1793	Former	0.1	2.5	-	-	-
8	D.T.D.5023	26	Skin - outer	0.2	2.5	-	-	103
9	L.72	20	Skin - inner	0.2	2.5	-	-	103
10	D.T.D.712 or S.521	24	Duct	* 0.2	2.0	-	-	-
11	S.521	24	Flange	* 0.2	2.0	-	-	-
12	B.A.S.35	-	Seal	x -	-	-	-	-
13	S.521	22	Ring retaining	* 0.2	2.0	-	-	-
14	S.521	20	Ring	* 0.2	2.0	-	-	-
15	S.521	22	Fairing	* 0.2	2.0	-	-	-
16	S.521	14	Reinforcing	* 0.1	2.5	-	-	-
17	S.521	22	Skin	0.1	3.0	-	-	103
18	S.521	18	Flange	* 0.1	2.5	-	-	-
19	S.521	22	Side wall	* 0.2	2.0	-	-	-
20	C.2.VITON	-	Seal	x -	-	-	-	-
21	L.72	20	Capping Strip	x 0.1	2.5	0.25	4 : 1	-
22	L.72	24	Skin	0.2	2.5	-	-	103
23	L.72	14	Butt strap	0.05	3.0	-	-	-
24	L.72	22	Angle	0.2	2.0	-	-	-
25	D.T.D.5509	-	'P' Seal - 1/SS.4615	-	-	-	-	341
26	L.72	20	Bracket	0.1	2.5	-	-	-
27	S.514	16	Plate	0.1	3.0	-	-	-
28	S.514	9	Flange	x -	-	-	-	-
29	S.1	-	Block	x -	-	-	-	-
30	S.21	-	Spigot	* -	-	-	-	-
31	S.514	2	Plate	* -	-	-	-	-
32	D.T.D.5509	-	'P' Seal 1/SS.4488	-	-	-	-	341
33	L.72	20	Retaining strip	0.2	2.0	-	-	-
34	L.72	20	Edge member	0.1	2.5	-	-	-
35	L.72	20	Stiffening plate	0.1	2.5	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A318C Contd.

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
36	B.S.S.668	-	Block	* -	-	-	-	-
37	S.96	-	Hinge bracket	* -	-	-	-	-
38	D.T.D.171	796/SS.1793	Angle	0.1	2.5	-	-	-
39	L.33	-	Stiffening strip	0.1	2.5	-	-	-
40	S.521	24	Plate	x 0.2	2.0	-	-	-
41	S.521	24	Fairing	* 0.2	2.0	-	-	-
42	D.T.D.712 or S.521	22	Baffle	0.2	2.0	-	-	-
43	S.510	24	Plate	0.2	2.0	-	-	-
44	D.T.D.171	24	Gusset	0.2	2.0	-	-	-
45	D.T.D.5023	24	Plate	0.2	2.0	-	-	-
46	D.T.D.712 or S.521	24	Reinforcing plate	x 0.2	2.0	-	-	-
47	S.521	22	Packing	x 0.2	2.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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A.P. 1018 - 1900 - 6A, Part 1, App 1, Chap 3
A.L. 51, Oct 67

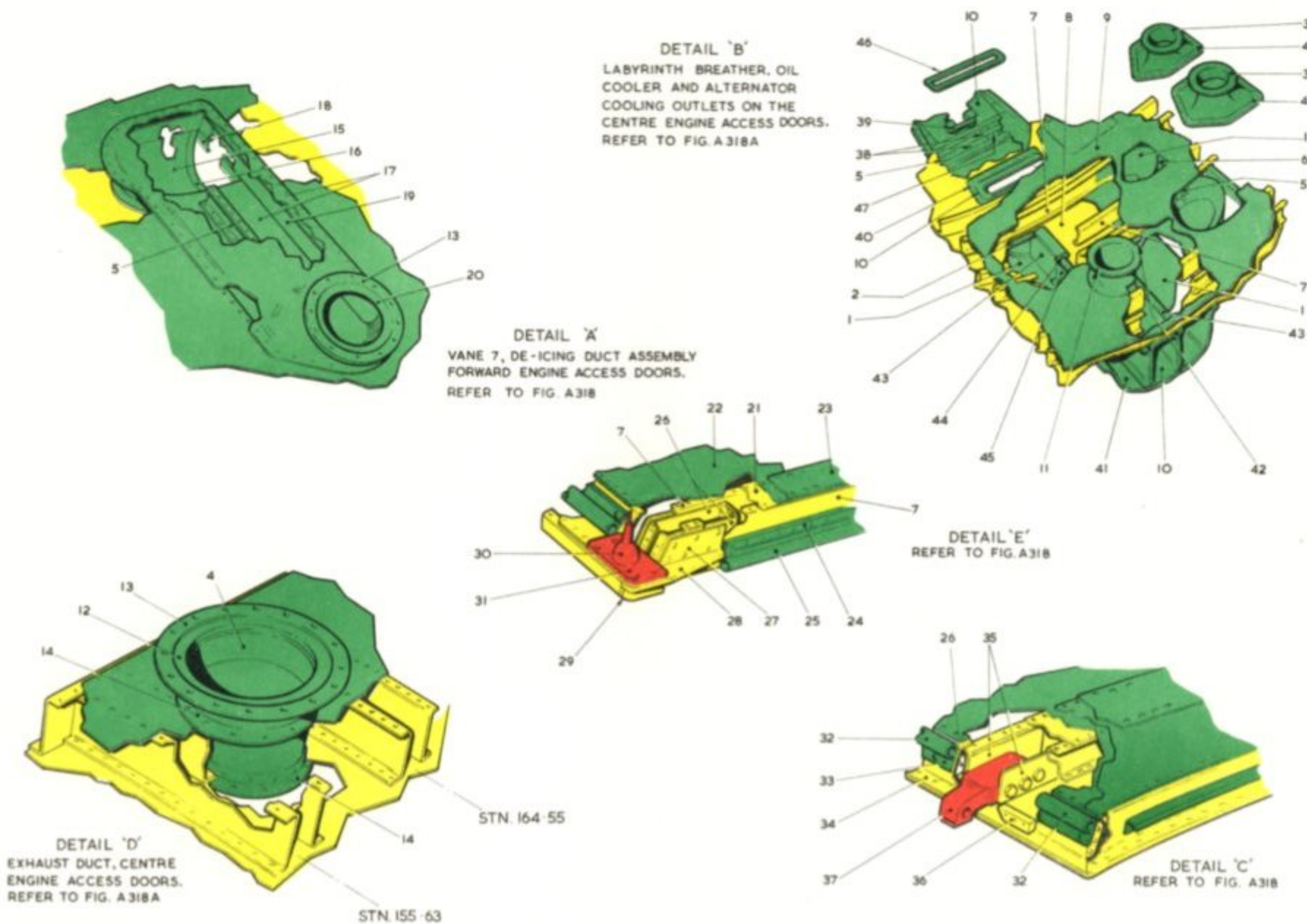


Fig. A318C Engine access doors - details

RESTRICTED

KEY TO FIG.A319 (POST MOD. 855 AND 1392)

Item	Material		Description	Depth	Negligible Damage		Holes		Repair Fig.
	Spec.	S.W.G. or Section			Dents	Dist. Apart	Dia.	Pitch Ratio	
1	D.T.D.5023 or D.T.D.5033	28	Skin	* 1.0	-	-	-	-	342, 342A
2	D.T.D.5023 or D.T.D.5033	20	Joint strap	x 0.05	3.0	-	-	-	-
3	L.72	940/SS.1793	Channel	0.05	3.0	0.125	8:1	-	107
4	D.T.D.5023	28	Butt strap	x 0.05	3.0	-	-	-	-
5	D.T.D.5023 or D.T.D.5033	28	Butt strap	x 0.05	3.0	-	-	-	-
6	D.T.D.712	24	Expansion member	0.025	3.0	-	-	-	-
7	S.521	26	Skin	0.25	6.0	-	-	-	-
8	D.T.D.5023 or D.T.D.5033	28	Skin	0.50	-	-	-	-	-
9	D.T.D.5023 or D.T.D.5033	1186/SS.1793	Guide rail	x 0.025	6.0	-	-	-	-
10	S.521	24	Joint plate	x 0.05	3.0	-	-	-	-
11	S.521	1264/SS.1793	Half ring (inner)	0.05	3.0	-	-	-	-
12	S.521	1342/SS.1793	Half ring (outer)	0.05	3.0	-	-	-	-
13	-	-	Seal 39b. F.11120	x -	-	-	-	-	-
14	S.521	24	Packer	x 0.025	3.0	0.125	4:1	-	-
15	S.521	26	Cover	x 0.25	3.0	-	-	-	-
16	L.77	-	Bracket	x 0.02	-	-	-	-	-
17	L.72	18	Channel	0.02	3.0	0.125	4:1	-	-
18	L.72	18	Angle	x 0.02	-	-	-	-	-
19	T.55	20	Tube	x 0.02	2.0	-	-	-	-
20	L.72	20	Stiffener	0.02	3.0	0.125	8:1	-	-
21	D.T.D.712	1226/SS.1793	Joint piece	x 0.025	-	-	-	-	-
22	L.77	-	Block	x 0.05	-	-	-	-	-
23	L.72	18	Channel	0.05	3.0	-	-	-	-
24	L.72	600/SS.1793	Channel	0.05	3.0	0.125	8:1	-	-
25	L.72	14	Channel	0.05	3.0	0.125	8:1	-	-
26	L.72	14	Bracket	x 0.05	3.0	0.125	8:1	-	-
27	L.53	-	Bracket	x 0.02	-	-	-	-	-
28	L.72	16	Channel	0.05	3.0	0.125	8:1	-	-
29	L.72	14	Angle	x 0.05	3.0	-	-	-	-
30	L.72	20	Angle	x 0.02	3.0	0.125	8:1	-	-
31	L.72	20	Channel	0.02	3.0	0.125	8:1	-	-
32	L.72	20	Angle	x 0.02	3.0	-	-	-	-

* See text in Chap.3

x More expedient to renew than repair

All dimensions are quoted in inches

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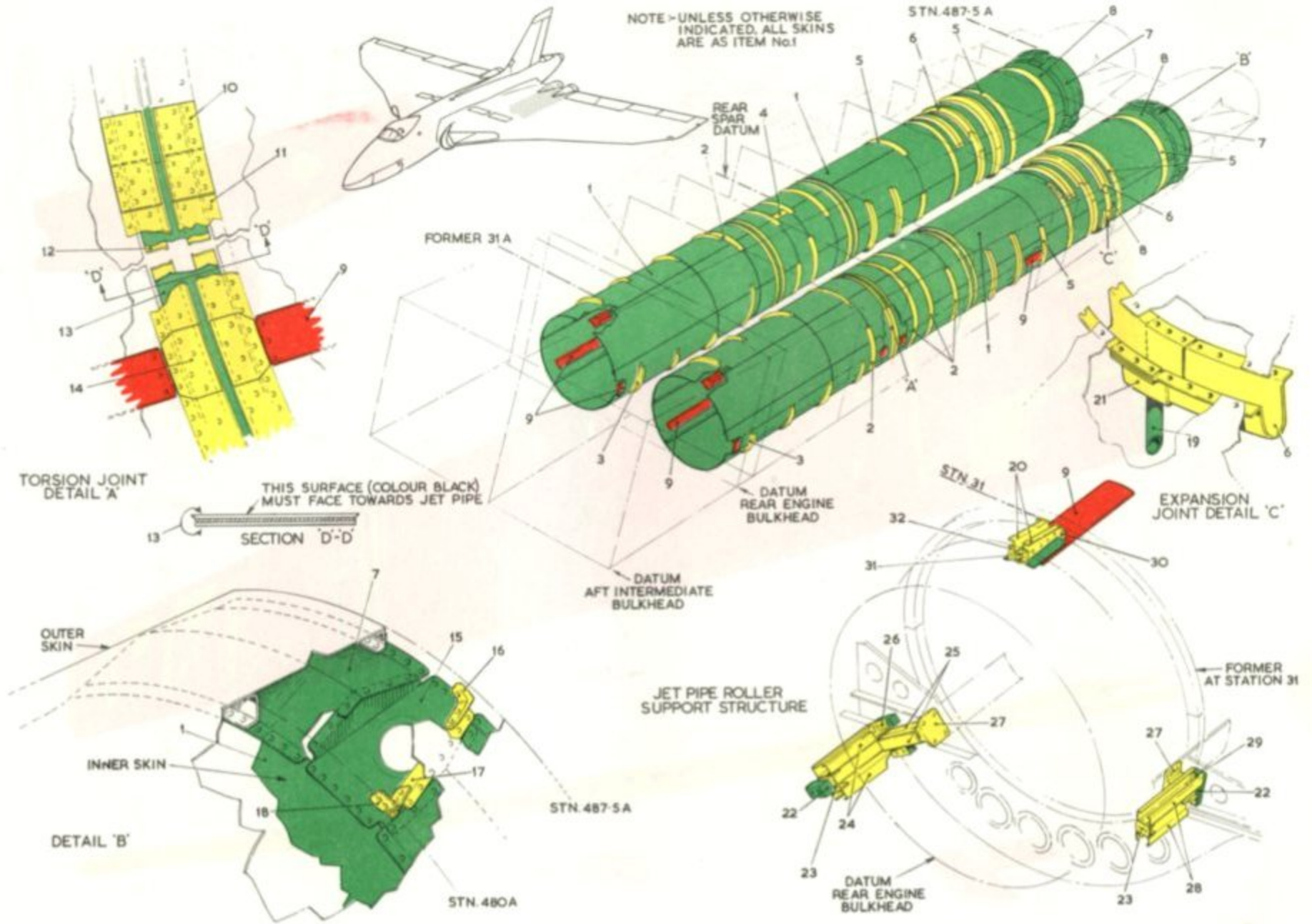


Fig. A 319. Jet pipe tunnels (Post Mod. 855 and 1392)

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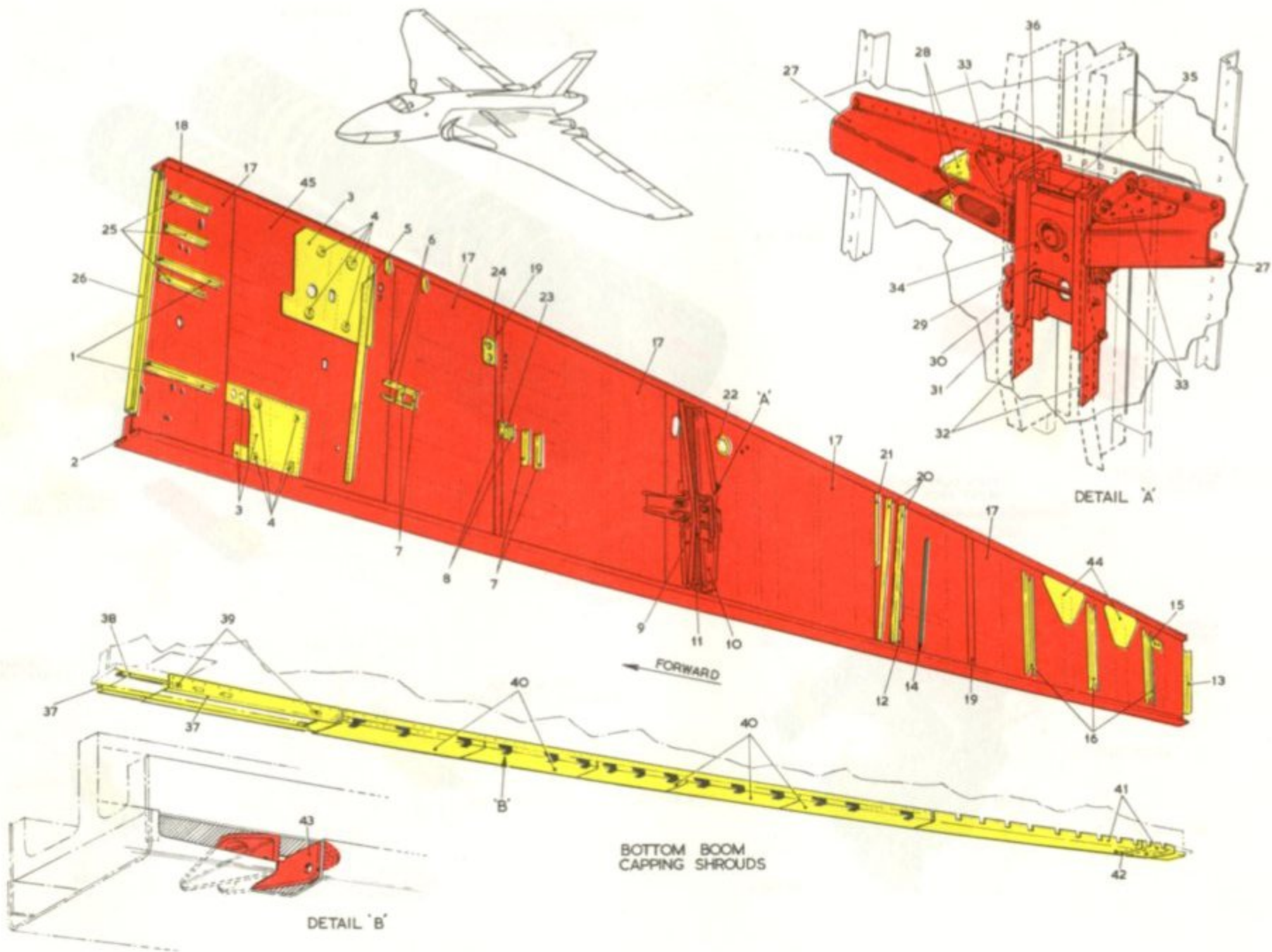


Fig. A320. Inboard engine rib-outboard face-port (Post Mod. 729 and 906)

RESTRICTED

KEY TO FIG.A320 (POST MOD.729 AND 906)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L.72	382/SS.1793	Stiffener	0.1	2.5	0.25	4:1	-
2	L.65	312/SS.3075	Boom	* 0.05	3.0	-	-	-
3	L.72	20	Reinforcing plate	0.1	2.5	0.5	8:1	-
4	L.77	-	Bobbin	x -	-	-	-	-
5	L.72	18	Angle	0.1	2.5	-	-	-
6	L.65	365/SS.3075	Angle	0.05	2.5	0.25	4:1	-
7	L.65	395/SS.3075	Hinge bracket	x 0.05	2.5	0.25	4:1	-
8	L.65	444/SS.3075	Hinge bracket	x 0.05	2.5	0.25	4:1	-
9	S.514	14	Mounting member	* -	-	0.5	8:1	-
10	S.514	15	Mounting member	* -	-	0.5	8:1	-
11	D.T.D.5063	28	Panel	0.15	2.0	-	-	-
12	L.72	20	Reinforcing plate (Mod.199)	0.05	3.0	-	-	-
13	D.T.D.687	17	Angle	0.1	2.5	0.25	4:1	-
14	L.72	12B/SS.1793	Angle	0.15	2.0	-	-	113
15	D.T.D.687	16	Reinforcing plate	0.1	2.5	0.25	4:1	-
16	L.72	83/SS.1793	Stiffener	0.1	2.5	-	-	-
17	D.T.D.687	18	Web	0.05	3.0	1.0	8:1	103, 104
18	D.T.D.5074	6B/1824	Boom	* 0.05	3.0	-	-	-
19	L.72	18	Butt strap	0.05	3.0	-	-	-
20	L.65	306/SS.3075	Angle (Mod.199)	0.05	3.0	-	-	-
21	L.65	277/SS.3075	Angle (Mod.199)	0.05	2.5	-	-	-
22	L.72	18	Reinforcing plate	0.1	2.5	0.25	4:1	-
23	L.72	16	Reinforcing plate	0.05	2.5	-	-	-
24	D.T.D.687	14	Reinforcing plate	0.1	2.5	0.25	4:1	-
25	L.72	1065/SS.1793	Stiffener	0.1	2.5	0.25	4:1	-
26	D.T.D.687	14	Angle	0.05	3.0	-	-	-
27	S.514	16	Diffusion member	0.025	4.0	-	-	-
28	S.514	16	Stiffening plate	0.05	4.0	-	-	-
29	S.96	-	Bearing housing	* -	-	-	-	-
30	-	-	Quick release pin	x -	-	-	-	-
31	S.96	-	Housing guide	x -	-	-	-	-
32	S.510	16	Guide plate	x 0.05	-	-	-	-
33	S.96	-	Bracket	x -	-	-	-	-
34	B.S.S.362	-	Spherical bearing	* -	-	-	-	-
35	T.45	17	Distance piece	x -	-	-	-	-
36	S.1	-	Stop	x -	-	-	-	-
37	L.72	18	Capping angle	0.1	2.5	0.25	8:1	-
38	L.72	18	Angle	0.1	2.5	0.25	8:1	-
39	L.72	-	Stringer bracket	x -	-	-	-	-
40	L.72	18	Shroud	0.1	2.5	0.25	8:1	-
41	L.72	20	Channel	0.1	2.5	0.25	8:1	-
42	L.72	20	Joint channel	x 0.05	2.0	-	-	-
43	S.96	-	Hinge bracket	* 0.05	-	-	-	-
44	L.73	16	Reinforcing plate (Mod.2080)	0.05	3.0	-	-	-
45	L.72	16	Web	0.05	3.0	1.0	8:1	103, 104

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A320A (POST MOD.729)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	L.72	20	Gusset	x 0.05	2.5	-	-	-
2	L.72	20	Angle	x 0.05	-	-	-	-
3	L.65	249/SS.3075	Angle	x 0.05	2.5	-	-	-
4	L.72	18	Plate	x 0.1	2.5	0.3	12:1	-
5	L.72	20	Intercostal	0.1	2.5	0.3	12:1	-
6	L.72	20	Support plate	x 0.2	2.0	-	-	-
7	L.77	-	Bearing channel	* 0.1	2.5	-	-	-
8	L.77	-	Bearing	x -	-	-	-	-
9	L.72	14	Bracket (Mod.199)	x 0.05	-	-	-	-
10	L.77	-	Fitting attachment	x -	-	-	-	-
11	L.72	18	Plate	x 0.05	3.0	-	-	-
12	L.72	14	Bracket	x 0.05	-	-	-	-
13	S.96	-	Sleeve	x 0.05	3.0	-	-	-
14	L.72	16	Gusset	x 0.1	2.5	-	-	-
15	L.72	84/SS.1793	Support member	0.1	2.5	-	-	-
16	L.72	18	Channel	0.1	2.5	-	-	-
17	L.72	1048/SS.1793	Intercostal	0.1	2.5	-	-	-
18	L.72	14	Channel	0.05	3.0	-	-	-
19	L.72	729/SS.1793	Angle	0.05	3.0	-	-	-
20	L.72	12b/SS.1793	Angle	0.05	3.0	-	-	113
21	L.72	722/SS.1793	Angle	0.05	3.0	-	-	-
22	L.65	304/SS.3075	Angle	0.05	3.0	-	-	343
23	L.72	83/SS.1793	Stiffener	0.1	2.5	-	-	-
24	L.72	352/SS.1793	Angle	0.05	3.0	-	-	-
25	L.72	74/SS.1793	Intercostal	0.1	2.5	-	-	-
26	L.72	778/SS.1793	Intercostal	0.1	2.5	-	-	-
27	L.72	18	Angle	x 0.05	-	-	-	-
28	L.72	14	Channel	0.1	2.5	-	-	-
29	L.72	270/SS.1793	Bracket	0.05	-	-	-	-
30	L.72	1065/SS.1793	Stiffener	0.1	2.5	-	-	-
31	L.73	16	Reinforcing plate	0.05	3.0	-	-	-
32	L.72	18	Stiffener	0.1	2.5	-	-	-
33	L.72	995/SS.1793	Intercostal	0.1	2.5	-	-	-
34	L.72	16	Channel	0.1	2.5	-	-	-
35	L.73	16	Side member	-	-	-	-	105, 115
36	L.72	16	Reinforcing plate	0.05	2.0	-	-	-
37	L.72	406/SS.1793	Angle	0.1	2.5	-	-	-
38	L.72	18	Joint strap	0.05	3.0	-	-	-
39	L.72	16	Mounting plate	0.1	2.5	0.3	12:1	-
40	L.72	16	Reinforcing plate (Mod.1174)	0.05	3.0	-	-	-
41	L.72	16	Packing (Mod.1174)	0.05	3.0	-	-	-
42	L.72	18	Capping angle	0.1	2.5	0.25	8:1	-
43	L.72	18	Shroud	0.1	2.5	0.25	8:1	-
44	L.72	20	Channel	0.1	2.5	0.25	8:1	-
45	L.72	20	Joint channel	0.05	2.0	-	-	-
46	L.72	12c/SS.1793	Nesting angle (Mod.895)	0.05	3.0	-	-	113
47	D.T.D.130	-	Packing (Mod.199)	-	-	-	-	-
48	L.72	14	Channel	-	-	-	-	-
49	L.73	16	Reinforcing plate (Mod.526)	-	-	-	-	-
50	D.T.D.5054	-	Bracket	-	-	-	-	-
51	L.72	16	Stiffening member	0.025	4.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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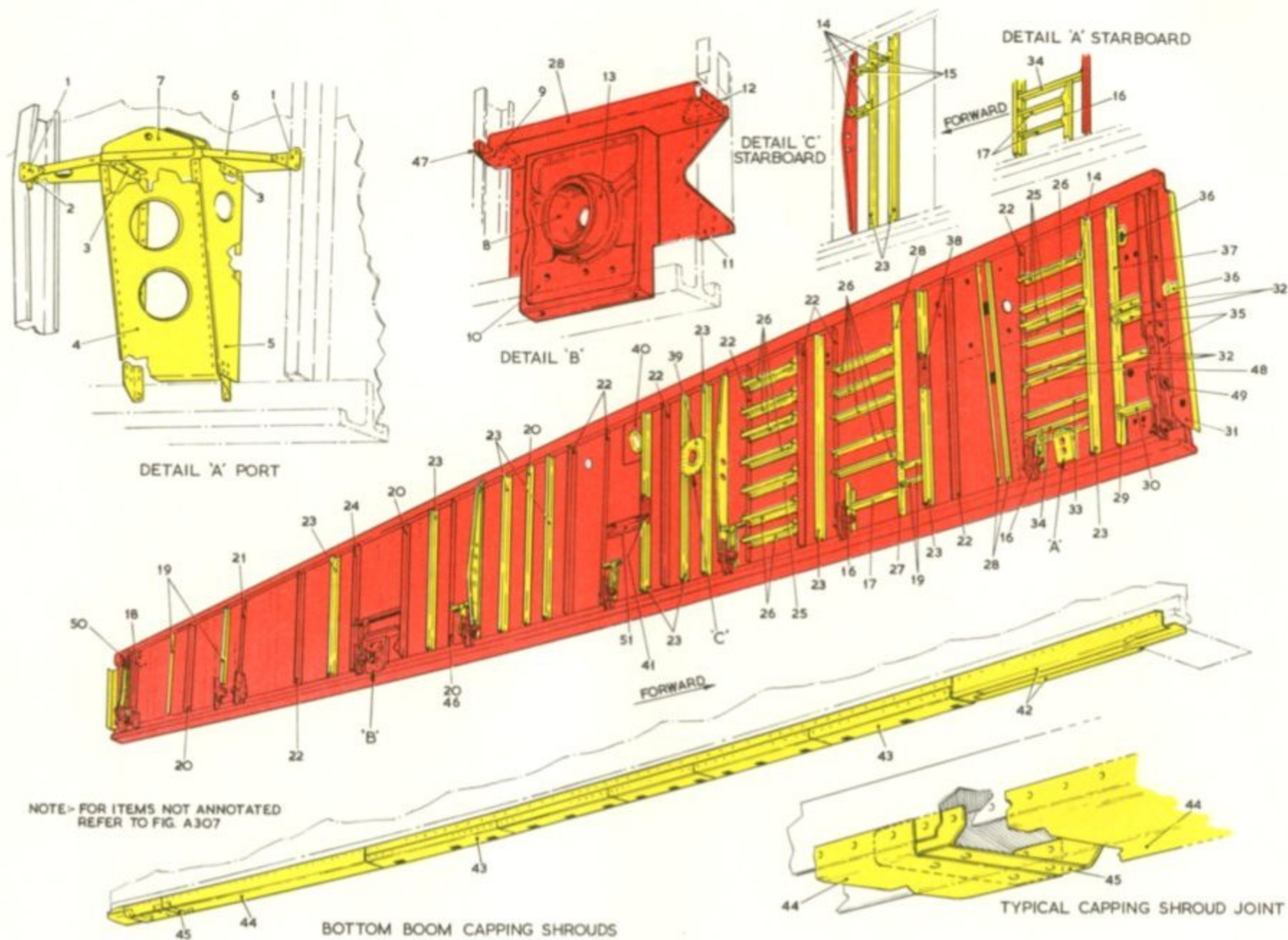


Fig. A320A Inboard engine rib - inboard face - port (Post Mod. 729)

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KEY TO FIG. A321

Item	Material		Description	Negligible Damage					Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio		
				Depth		Dia.			
1	D. T. D. 687	721/SS. 1793	Channel	0.1	2.5	-	-	-	
2	L. 72	500/SS. 1793	Channel stiffeners	0.1	2.5	0.25	4:1	112	
3	L. 72	18	Reinforcing plate	0.05	3.0	1.0	8:1	103	
4	D. T. D. 687	14	Gusset	x 0.05	3.0	1.0	8:1	-	
5	L. 72	20	Reinforcing plate	0.1	2.5	0.25	4:1	-	
6	L. 72	749/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107	
7	D. T. D. 687	20	Web	0.05	3.0	1.0	8:1	103, 104	
8	L. 72	16	Reinforcing channel	0.1	2.5	0.25	4:1	108	
9	D. T. D. 687	18	Reinforcing plate	0.1	2.5	0.5	8:1	-	
10	L. 72	18	Attachment angle	x 0.1	2.5	0.25	4:1	-	
11	L. 72	750/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107	
12	L. 65	-	Bobbin	* -	-	-	-	-	
13	L. 72	20	Angle brackets	x 0.05	3.0	0.25	6:1	-	
14	L. 72	16	Reinforcing plate	0.05	3.0	0.25	6:1	-	
15	L. 72	586/SS. 1793	'Z' stiffener	0.1	2.5	0.25	4:1	-	
16	L. 72	22	'Z' stiffener	0.1	2.5	0.25	4:1	-	
17	L. 65	395/SS. 3075	Hinge brackets	0.1	2.5	0.25	4:1	-	
18	L. 72	16	Reinforcing plate	0.1	2.5	0.25	4:1	-	
19	L. 65	521/SS. 3075	Channel	0.1	2.5	0.25	4:1	-	
20	L. 73	12	Channel	0.1	2.5	0.25	4:1	-	
21	S. 520	16	'Z' section	x 0.15	2.0	-	-	-	
22	L. 72	703/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107	
23	L. 72	18	Intercostals	0.1	2.5	0.25	4:1	-	
24	L. 72	14	Channel bracket	0.025	4.0	-	-	-	
25	L. 72	18	Attachment brackets	0.1	2.5	0.25	4:1	-	
26	D. T. D. 687	18	Gusset plate	x 0.05	3.0	-	-	-	
27	L. 72	22	Channel stiffener	x 0.1	2.5	0.25	4:1	-	
28	D. T. D. 687	22	Reinforcing plate	0.05	3.0	-	-	-	
29	D. T. D. 687	16	Gusset plate	x 0.05	3.0	-	-	-	
30	D. T. D. 687	10	Bearing support plate	-	-	-	-	-	
31	L. 72	18	Reinforcing plate	0.25	4.0	-	-	-	
32	D. T. D. 687	939/SS. 1793	Channel	0.05	3.0	-	-	-	

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

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KEY TO FIG. A321 (Cont'd)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
33	D.T.D.687	16	Gusset plate	x 0.1	2.5	-	-	-
34	D.T.D.687	10	Capping plate	0.05	3.0	-	-	-
35	D.T.D.687	16	Capping plate	0.05	3.0	-	-	-
36	L.72	12a/SS,1793	Angle	0.15	2.0	-	-	113
37	D.T.D.687	716/SS,1793	Channel member	0.05	3.0	-	-	-
38	D.T.D.687	22	Web	0.05	3.0	1.0	8:1	103, 104
39	L.72	22	Channel	x 0.1	2.5	0.25	4:1	-
40	L.65	521/SS,3075	Channel	0.25	6.0	-	-	-
41	D.T.D.687	16	Web	0.05	3.0	1.0	8:1	103, 104
42	L.72	22	Channel	0.1	2.5	0.25	4:1	108
43	D.T.D.687	22	Butt strap	0.1	2.5	-	-	-
44	L.72	14	Stiffening plate	x 0.1	2.5	0.25	4:1	-
45	D.T.D.687	10	Gusset plate	x 0.05	3.0	0.25	4:1	-
46	D.T.D.687	939/SS,1793	Booms	0.05	3.0	-	-	-
47	D.T.D.687	745/SS,1793	Channel	0.05	3.0	-	-	-
48	D.T.D.687	10	Reinforcing strap	0.05	3.0	-	-	-
49	D.T.D.687	10	Capping plate	0.05	3.0	-	-	-
50	D.T.D.687	16	Reinforcing strap	0.05	3.0	-	-	-
51	S.521	22	Angle	0.15	2.0	-	-	-
52	S.91	-	Quick release pin	x -	-	-	-	-
53	S.514	16	Diffusion member	0.025	4.0	-	-	-
54	S.96	-	Bracket	x -	-	-	-	-
55	T.35 or T.45	17	Distance tube	x -	-	-	-	-
56	S.514	14	Mounting member	* -	-	0.5	8:1	-
57	S.1	-	Stop	x -	-	-	-	-
58	BSS,369	-	Spherical bearing	-	-	-	-	-
59	S.96	-	Bearing housing	-	-	-	-	-
60	S.96	-	Housing guide bracket	-	-	-	-	-
61	D.T.D.687	22	Doubling web	0.05	3.0	1.0	8:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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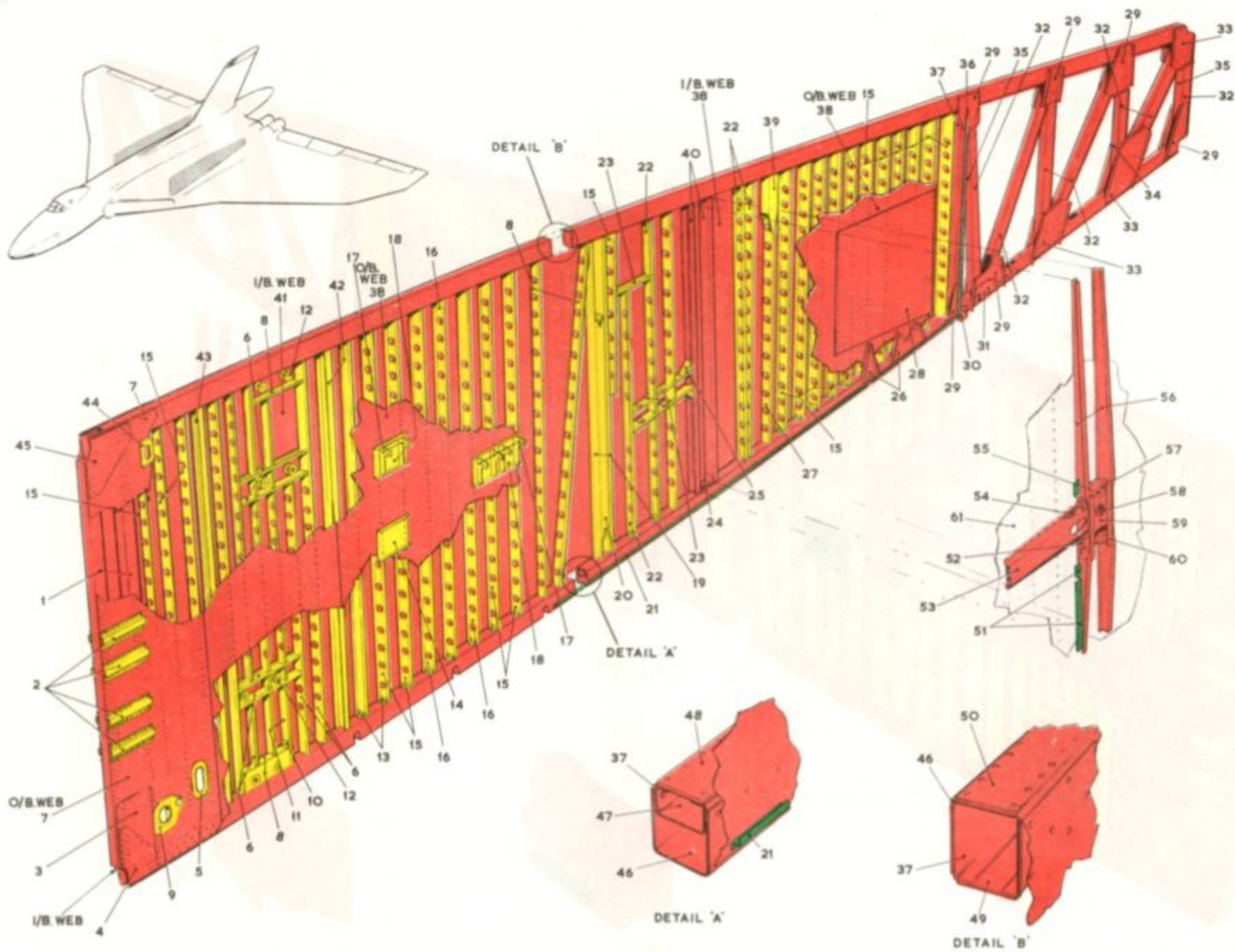


Fig.A321 Centre engine rib

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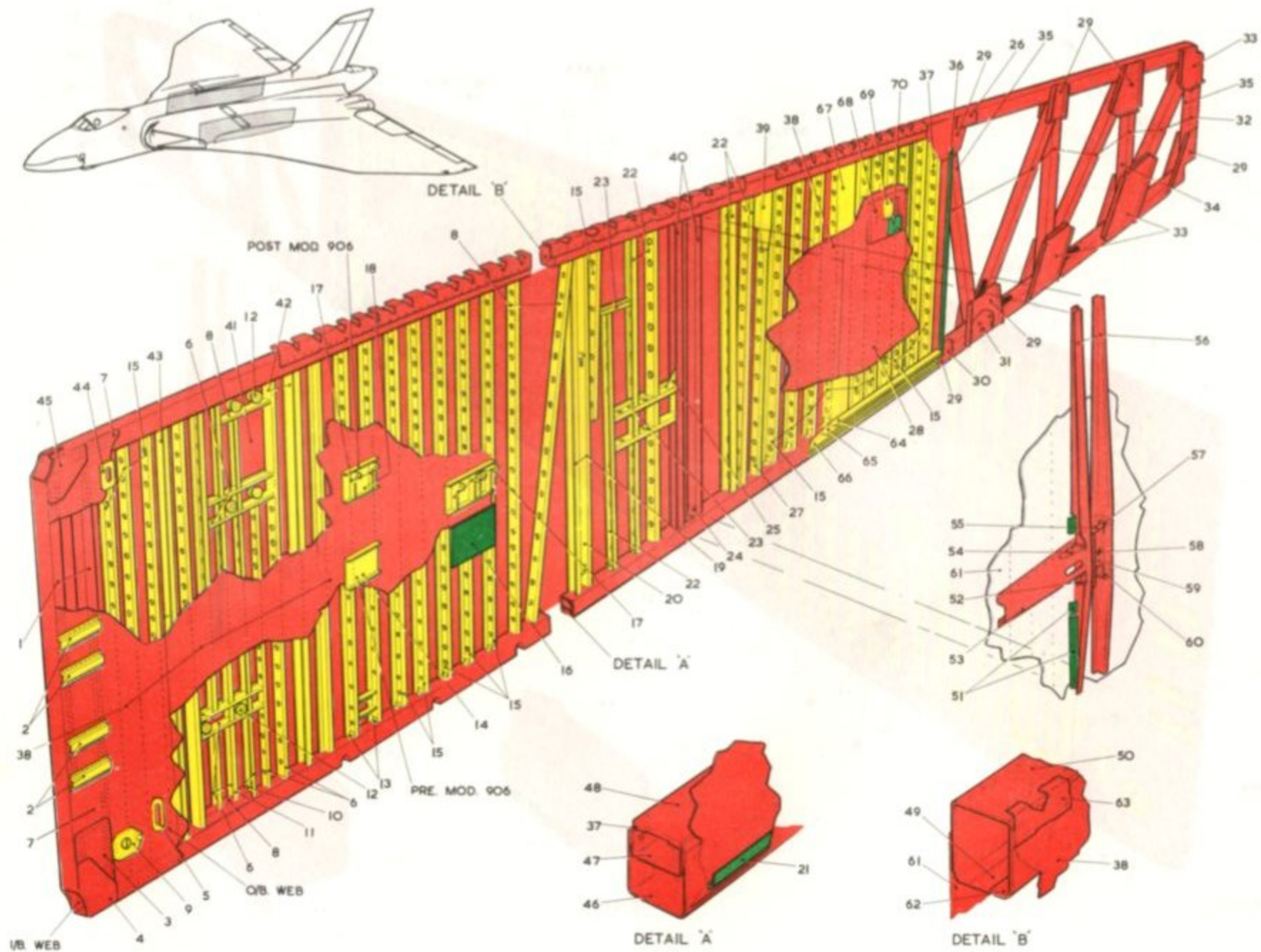


Fig. A321A Centre engine rib (Post Mod 1876 and 1904)

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KEY TO FIG. A321A (POST MOD.1876 AND 1904)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes		Pitch Ratio	
				Depth	Dist. Apart	Dia.		
1	D. T. D. 687	721/SS. 1793	Channel	0.1	2.5	-	-	-
2	L. 72	500/SS. 1793	Channel stiffeners	0.1	2.5	0.25	4:1	112
3	L. 72	18	Reinforcing plate	0.05	3.0	1.0	8:1	103
4	D. T. D. 687	14	Gusset	x 0.05	3.0	1.0	8:1	-
5	L. 72	20	Reinforcing plate	0.1	2.5	0.25	4:1	-
6	L. 72	749/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107
7	D. T. D. 687	20	Web	0.05	3.0	1.0	8:1	103, 104
8	L. 72	749/SS. 1793	Reinforcing channel	0.1	2.5	0.25	4:1	-
9	D. T. D. 687	18	Reinforcing plate	0.1	2.5	0.5	8:1	-
10	L. 72	18	Attachment angle	x 0.1	2.5	0.25	4:1	-
11	L. 72	749/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107
12	L. 65	-	Bobbin	* -	-	-	-	-
13	L. 72	20	Angle brackets	x 0.05	3.0	0.25	6:1	-
14	L. 72	16	Reinforcing plate (Pre. Mod. 906)	0.05	3.0	0.25	6:1	-
15	L. 72	586/SS. 1793	'Z' stiffener	0.1	2.5	0.25	4:1	-
16	S. 510	10	Protective shield	0.2	2.0	0.25	4:1	-
17	L. 65	395/SS. 3075	Hinge brackets (Mod. 906)	0.1	2.5	0.25	4:1	-
18	L. 72	16	Reinforcing plate (Mod. 906)	0.1	2.5	0.25	4:1	-
19	L. 65	521/SS. 3075	Channel	0.1	2.5	0.25	4:1	-
20	L. 73	12	Channel	0.1	2.5	0.25	4:1	-
21	S. 520	16	'Z' section	x 0.15	2.0	-	-	-
22	L. 72	703/SS. 1793	Channel	0.1	2.5	0.25	4:1	105, 107
23	L. 72	18	Intercostal	0.1	2.5	0.25	4:1	-
24	L. 72	14	Channel bracket	0.025	4.0	-	-	-
25	L. 72	18	Attachment bracket	0.1	2.5	0.25	4:1	-
26	D. T. D. 687	16	Joint strap	0.05	3.0	-	-	-
27	L. 72	22	Channel stiffener	x 0.1	2.5	0.25	4:1	-
28	D. T. D. 5070	20	Web	0.05	3.0	1.0	8:1	-
29	D. T. D. 687	16	Gusset plate	x 0.05	3.0	-	-	-
30	D. T. D. 687	10	Bearing support plate	-	-	-	-	-
31	L. 72	18	Reinforcing plate	0.25	4.0	-	-	-
32	D. T. D. 687	939/SS. 1793	Channel	0.05	3.0	-	-	-
33	D. T. D. 687	16	Gusset plate	x 0.1	2.5	-	-	-
34	D. T. D. 687	10	Capping plate	0.05	3.0	-	-	-
35	D. T. D. 687	16	Capping plate	0.05	3.0	-	-	-
36	L. 72	12a/SS. 1793	Angle	0.15	2.0	-	-	113

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG.A321A (POST MOD.1876 AND 1904 Cont'd.)

Item	Material		Description	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Holes	
				Depth	Dist. Apart	Dia.	Pitch Ratio
37	D. T.D. 687	716/SS.1793	Channel member	0.05	3.0	-	-
38	D. T.D. 687	22	Web	0.05	3.0	1.0	8:1
39	L. 72	22	Channel	x 0.1	2.5	0.25	4:1
40	L. 65	521/SS.3075	Channel	0.25	6.0	-	-
41	D. T.D. 687	16	Web	0.05	3.0	1.0	8:1
42	L. 72	22	Channel	0.1	2.5	0.25	4:1
43	D. T.D. 687	22	Butt strap	0.1	2.5	-	-
44	L. 72	14	Stiffening plate	x 0.1	2.5	0.25	4:1
45	D. T.D. 687	10	Gusset plate	x 0.05	3.0	0.25	4:1
46	D. T.D. 687	939/SS.1793	Boom	0.05	3.0	-	-
47	D. T.D. 687	715/SS.1793	Channel	0.05	3.0	-	-
48	D. T.D. 687	10	Reinforcing strip	0.05	3.0	-	-
49	D. T.D. 687	10	Capping strip	0.05	3.0	-	-
50	D. T.D. 687	16	Reinforcing strip	0.05	3.0	-	-
51	S. 521	22	Angle	0.15	2.0	-	-
52	S. 94	-	Quick release pin	x -	-	-	-
53	S. 510	16	Diffusion member	0.025	4.0	-	-
54	S. 96	-	Bracket	x -	-	-	-
55	S. 510	17	Distance tube	x -	-	-	-
56	S. 514	14	Mounting member	* -	-	0.5	8:1
57	S. 510	-	Stop	x -	-	-	-
58	B. S. S. 369	-	Spherical bearing	-	-	-	-
59	S. 96	-	Bearing housing	-	-	-	-
60	S. 96	-	Housing guide bracket	-	-	-	-
61	D. T.D. 687	22	Doubling web	0.05	3.0	1.0	8:1
62	D. T.D. 687	16	Angle member	0.05	3.0	-	-
63	L. 72	20	Angle	x 0.05	3.0	-	-
64	D. T.D. 5070	16	Reinforcing plate	0.05	3.0	-	-
65	D. T.D. 5070	14	Reinforcing plate	0.05	3.0	-	-
66	S. 520	18	'Z' section	0.05	3.0	-	-
67	D. T.D. 5070	20	Butt strap	0.1	2.5	-	-
68	L. 72	16	Stiffening plate	0.05	3.0	1.0	8:1
69	L. 65	376/SS.3075	Angle	x 0.1	2.5	0.25	4:1
70	L. 72	16	Blanking plate	x 0.05	3.0	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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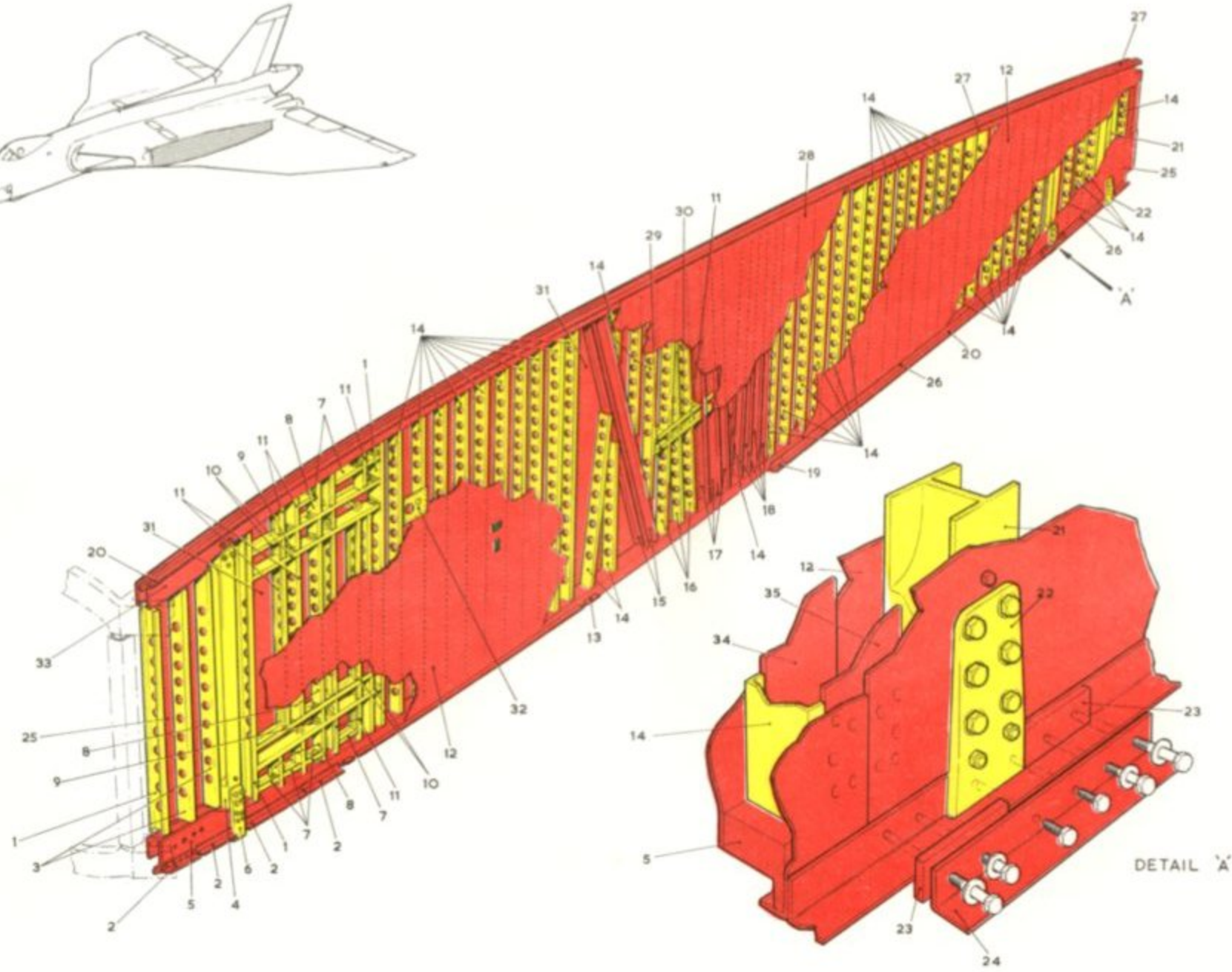


Fig. A322 Outboard engine rib
RESTRICTED

KEY TO FIG. A322

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	L. 72	429/SS. 1793	Stiffening member	0.05	3.0	0.25	4:1	105
2	S. 514	12	Skin attachment angle	x 0.05	3.0	-	-	-
3	L. 72	122/SS. 1793	Stiffening member	0.05	3.0	0.25	4:1	105, 108
4	L. 65	-	Forward centre member	* 0.1	2.5	0.25	4:1	-
5	D. T. D. 5074	4B. 1824	Bottom boom	* 0.05	3.0	-	-	-
6	D. T. D. 5054	-	Forward auxiliary jacking pad	0.02	-	-	-	-
7	L. 72	16	Stiffening channel	x 0.05	3.0	0.25	4:1	-
8	L. 72	122/SS. 1793	Stiffening channel	x 0.05	3.0	0.25	4:1	-
9	L. 72	20	Angle	x 0.05	3.0	0.25	4:1	-
10	L. 72	95/SS. 1793	Stiffening channel	x 0.05	3.0	0.25	4:1	-
11	L. 72	20	Stiffening channel	x 0.05	3.0	0.25	4:1	-
12	D. T. D. 687	14	Skin panel	0.05	3.0	1.0	8:1	103, 105
13	L. 65 or D. T. D. 423	251/SS. 3075	Angle	x 0.1	3.0	0.25	4:1	-
14	L. 72	579/SS. 1793	Stiffener	0.05	3.0	0.25	4:1	105, 108
15	L. 73	14	Channel	0.05	3.0	-	-	-
16	L. 72	233/SS. 1793	Channel	0.05	3.0	0.25	4:1	107
17	L. 72	236/SS. 1793	Channel	0.25	3.0	-	-	107
18	L. 72	14	Channel	0.25	3.0	-	-	107
19	L. 73	10	Angle	0.05	3.0	-	-	-
20	L. 73	719/SS. 1793	Skin angle	0.05	3.0	-	-	-
21	D. T. D. 364B	-	Centre member	* 0.1	2.5	0.25	4:1	-
22	D. T. D. 364B	-	Rear jacking pad mounting	* 0.02	-	-	-	-
23	D. T. D. 142A	-	Packing block	x 0.1	2.5	-	-	-
24	L. 65	294/SS. 3075	Angle	x 0.05	3.0	-	-	-
25	D. T. D. 687	12	Skin panel	0.05	3.0	0.25	8:1	103, 104
26	D. T. D. 687	10	Strip	x 0.1	2.5	0.25	4:1	-
27	L. 73	13	Reinforcing strip	x 0.05	3.0	-	-	-
28	D. T. D. 687	18	Skin panel	0.05	3.0	1.0	8:1	103, 104
29	L. 72	18	Intercostal	0.05	3.0	0.25	6:1	115
30	L. 72	12b/SS. 1793	Bracket	x 0.05	3.0	0.25	6:1	-
31	D. T. D. 687	16	Inboard skin panel	0.05	3.0	1.0	8:1	103
32	L. 72	14	Stiffening plate	x 0.05	3.0	0.125	8:1	-
33	D. T. D. 5074	4B. 1824	Top boom	* 0.05	3.0	-	-	-
34	D. T. D. 687	16	Butt strap	-	-	-	-	-
35	D. T. D. 687	12	Butt strap	-	-	-	-	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

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SKIN REFERENCE

LETTER.	S. W. G.	MAT SPEC.
A	14	DTD. 687
B	17	DTD. 687
C	17	DTD. 626
D	18	DTD. 687
E	20	L. 72
F	20	DTD. 687

LIMIT TABLE

NEGLECTIBLE DAMAGE		
COLOUR.	DENTS	DIST APART
RED	0.05 IN.	3.0 IN.
YELLOW	0.10 IN.	2.5 IN.
GREEN	—	—

NOTE:— DAMAGE IN AREAS OF CONCENTRATED RIVETING IS TO BE REPAIRED WITH JOINTS ARRANGED OUTSIDE THE AREA.
SEE TEXT IN CHAR 1 FOR WEATHERPROOFING FOR METHOD OF REPAIR SEE FIG. 103, 116, & 117

NOTE:— WHEN PANELS ITEM 'C' REQUIRE REPLACEMENT NEW PANELS ARE TO BE SPEC. L.72 18 SWG.

WHEN REPLACING A SKIN PANEL OR PANELS BETWEEN RIBS 63.5 AND 162.5 OR WHEN EMBODYING MOD. 895 AND 994 REFER TO PART I, CHAP. 3, PARA. 324 AND 325 FOR JACKING INSTRUCTIONS.

NOTE:— FOR BOTTOM SURFACE SKINNING BETWEEN REAR SPAR AND STATION 428A REFER TO FIG. 312

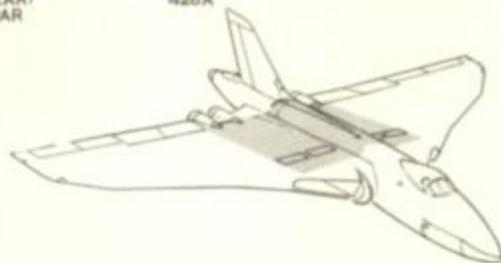
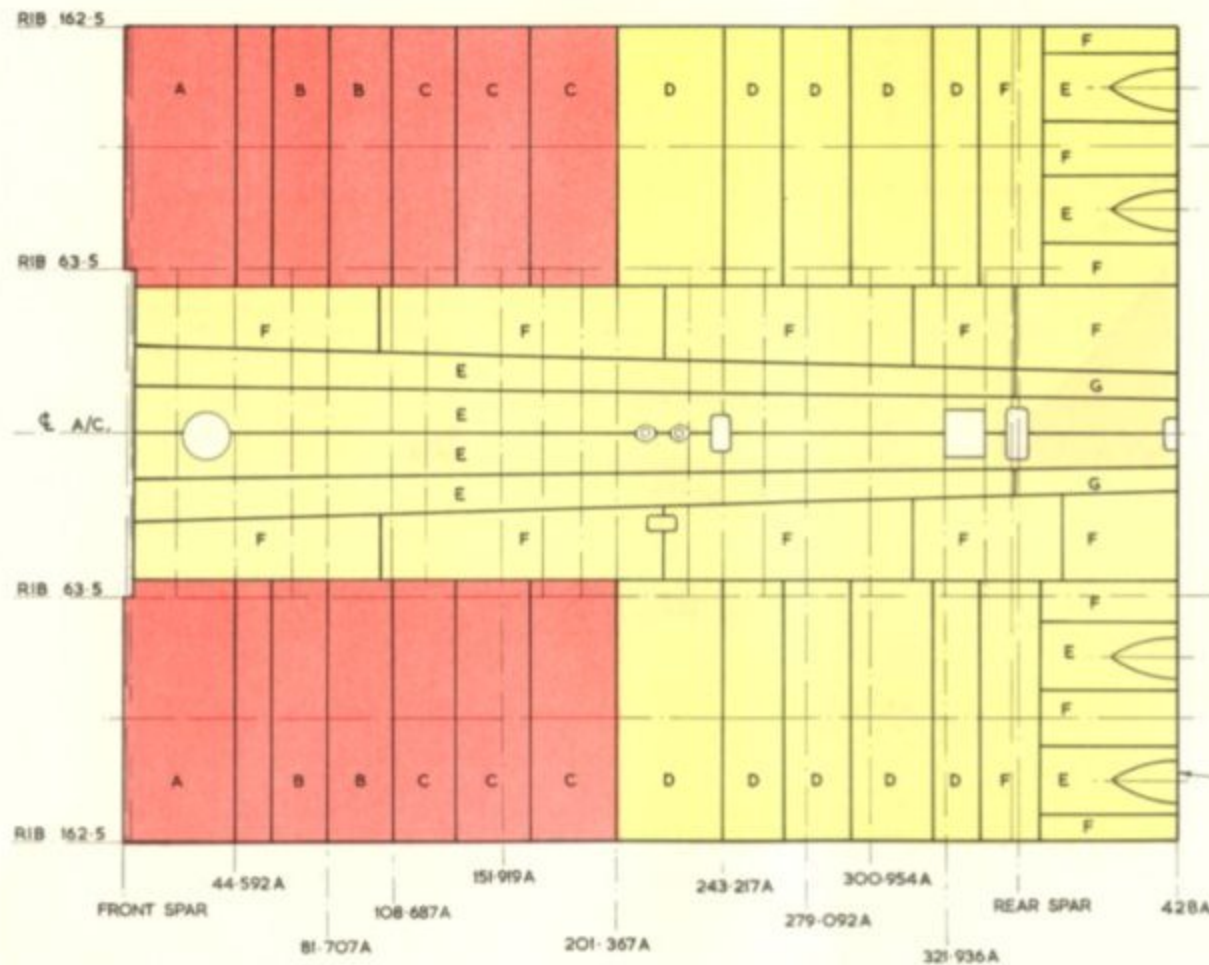
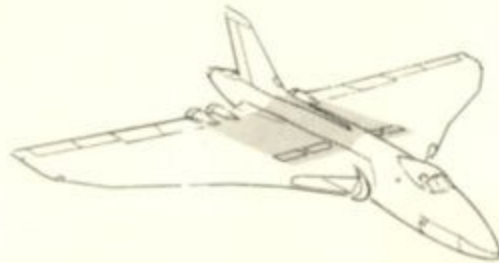


FIG. A 323. Centre section skinning—top surface (Pre Mod. 895 & 994)

RESTRICTED



SKIN REFERENCE

LETTER	S. W. G.	MAT. SPEC.
A	12	D.T.D. 687
B	12	L. 73
C	14	L. 73
D	18	L. 72
E	20	L. 72
F	20	D.T.D. 687
G	18	D.T.D. 687

SKIN LIMITS

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	0.05 IN.	3.0 IN.
YELLOW	0.10 IN.	2.0 IN.
GREEN	—	—

NOTE:— DAMAGE IN AREAS OF CONCENTRATED RIVETING IS TO BE REPAIRED WITH JOINTS ARRANGED OUTSIDE THE AREA. SEE TEXT IN CHAR 1 AND 3. FOR WEATHERPROOFING. FOR METHOD OF REPAIR SEE FIG. 103, 116, & 117

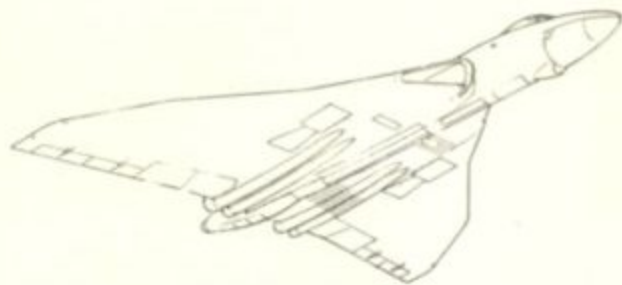
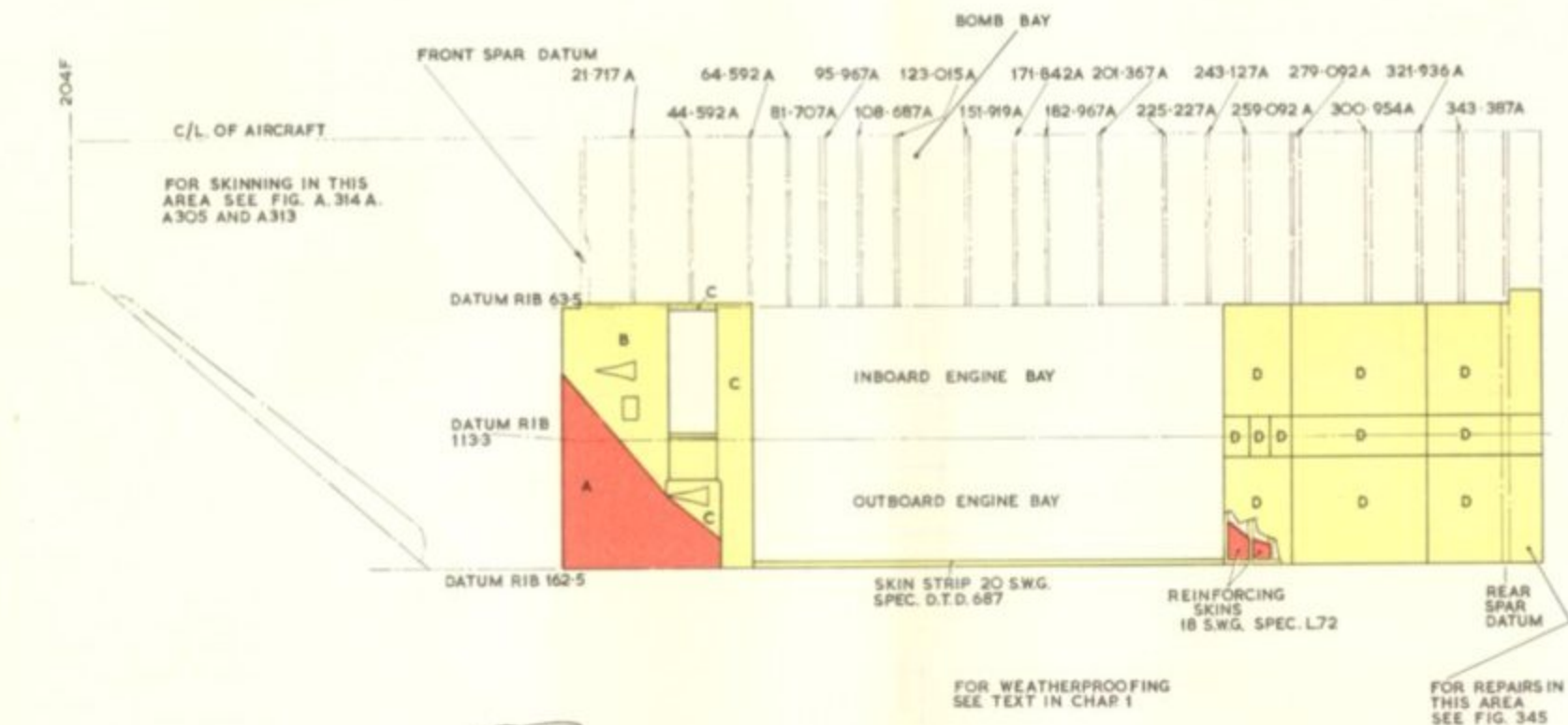
FOR BOTTOM SURFACE SKINNING BETWEEN REAR SPAR AND STATION 428A REFER TO FIG. 312

WHEN REPLACING A SKIN PANEL OR PANELS BETWEEN RIBS 63.5 AND 162.5 REFER TO PART 1, CHAP. 3, PARA. 324 AND 325 FOR JACKING INSTRUCTIONS.

FIG. A 323. Centre section skinning-top surface (Mod. 895 & 994 embodied)

RESTRICTED

DAMAGE IN AREAS OF CONCENTRATED RIVETING
MUST BE REPAIRED WITH JOINTS ARRANGED
OUTSIDE THE AREA



SKIN REFERENCE		
LETTER	S. W. G.	MAT. SPEC.
A	10	L.73
B	14	D.T.D.687
C	18	D.T.D.687
D	20	L.72

SKIN LIMITS		
COLOUR	NEGLIGIBLE	DAMAGE
RED	0.025 IN.	3.0 IN.
YELLOW	0.050 IN.	3.0 IN.
GREEN	—	—

ON AIRCRAFT WITH MOD. 895 EMBODIED THE TABLES BELOW APPLY TO SKIN PANEL 'A' ONLY
ALL OTHER SKINS ARE IDENTICAL AND THE ABOVE TABLES APPLY

A	7	L.73
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RED	0.0075 IN.	6.0 IN.
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FIG. A 323A. Centre section skinning bottom surface

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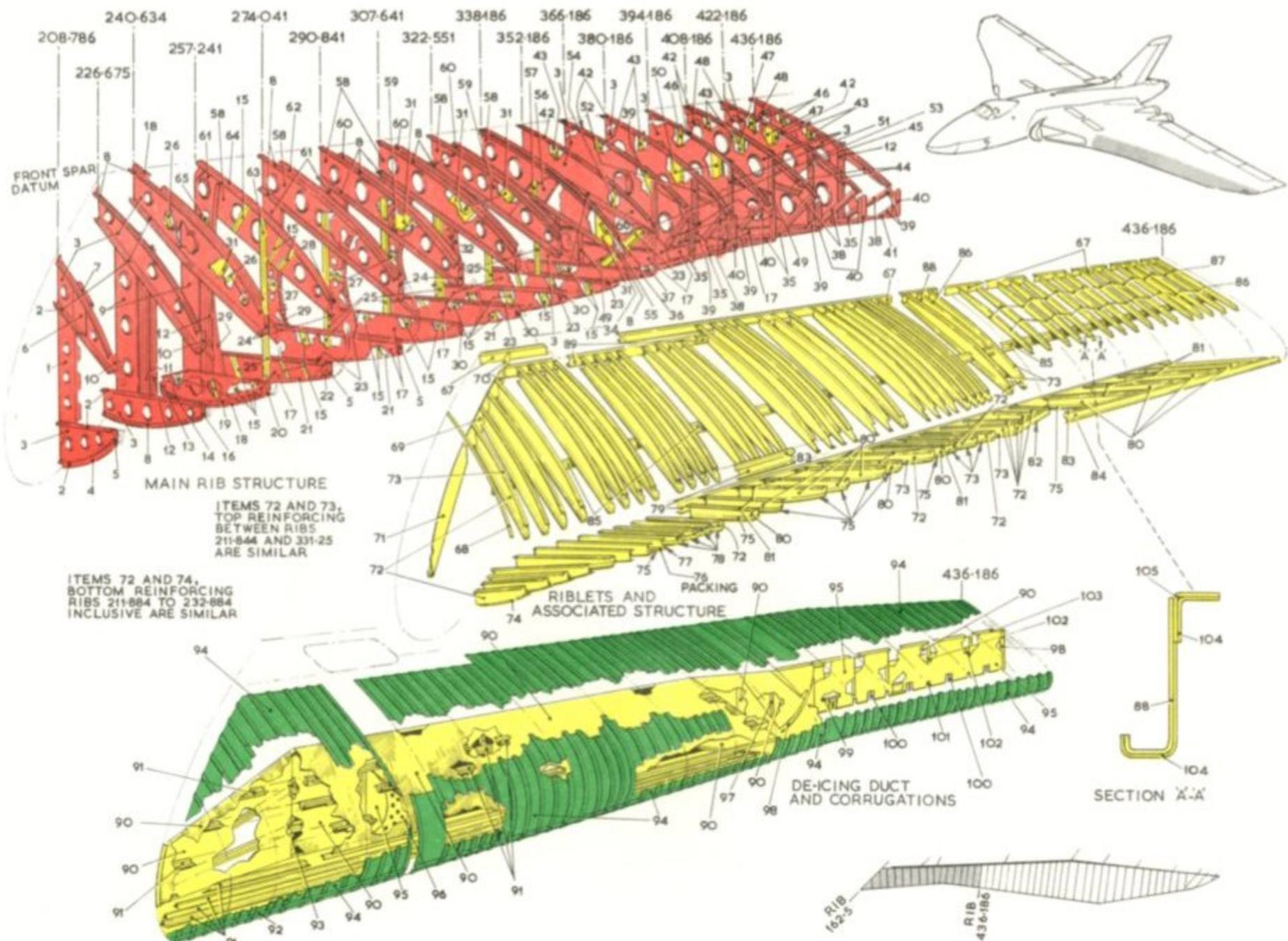


Fig. A324. Leading edge structure and reinforcing-inner portion (Post Mod. 892,894,1022 and 1180)

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KEY TO FIG.A324 (POST MOD.892, 894, 1022 AND 1180)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	L.72	22	Channel	0.05	3.0	0.25	8:1	103,106
2	L.72	431/SS.1793	Angle	-	-	0.125	6:1	-
3	L.72	24	Web	0.05	3.0	0.25	8:1	103,106
4	L.73	16	Angle	-	-	0.125	6:1	-
5	L.72	12c/SS.1793	Angle	x 0.05	2.5	-	-	-
6	L.72	20	Plate	0.05	3.0	0.25	8:1	-
7	L.73	74/SS.1793	Angle	x -	-	-	-	-
8	L.72	410/SS.1793	Angle	-	-	0.125	6:1	-
9	L.72	16	Channel	0.025	3.0	0.25	8:1	-
10	L.72	12b/SS.1793	Angle	0.05	2.5	-	-	113
11	L.72	18	Channel	-	-	0.125	6:1	-
12	L.72	18	Angle	-	-	0.125	6:1	-
13	L.72	14	Bracket	x 0.05	2.5	-	-	-
14	L.72	16	Packing	x 0.05	3.0	0.25	8:1	-
15	L.73	385/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
16	L.72	18	Angle	x 0.05	2.5	-	-	-
17	L.73	16	Web	0.025	3.0	0.125	8:1	103
18	L.73	778/SS.1793	Angle	-	-	0.125	6:1	-
19	L.72	410/SS.1793	Angle	0.05	3.0	0.125	4:1	-
20	L.72	16	Angle	x 0.025	2.5	-	-	-
21	L.73	352/SS.1793	Angle	-	-	0.125	6:1	-
22	L.73	16	Gusset plate	x 0.025	2.5	-	-	-
23	L.73	530/SS.1793	Angle	-	-	0.125	6:1	-
24	L.72	270/SS.1793	Angle	-	-	0.125	6:1	-
25	L.72	558/SS.1793	Channel	0.05	3.0	0.125	4:1	-
26	L.72	386/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
27	L.72	807/SS.1793	Stiffener	-	-	0.125	4:1	-
28	L.72	18	Boom	-	-	0.125	4:1	-
29	L.72	73/SS.1793	Angle	-	-	0.125	8:1	113
30	L.72	16	Angle	-	-	0.125	6:1	-
31	L.72	20	Channel	0.05	3.0	0.125	4:1	-
32	L.72	213/SS.1793	Angle	-	-	0.125	4:1	-
33	L.73	16	Channel	0.05	3.0	0.125	4:1	108
34	L.73	16	Reinforcing plate	0.025	3.0	0.125	8:1	-
35	L.65	343/SS.3075	Boom	0.05	3.0	-	-	-
36	L.72	14	Angle	0.05	3.0	0.125	4:1	-
37	L.73	14	Bracket	x 0.05	2.5	-	-	-
38	L.72	18	Tie member	-	-	0.125	6:1	-
39	L.73	18	Gusset	x 0.1	2.5	-	-	-
40	L.72	18	Bracket	x -	-	0.125	6:1	-
41	L.73	854/SS.1793	Boom	-	-	0.125	6:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A324 (POST MOD.892, 894, 1022 AND 1180 cont'd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
				Depth				
42	L. 73	985/SS.1793	Boom	-	-	0.125	6:1	-
43	L. 72	431/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
44	L. 72	18	Stiffener	-	-	0.125	6:1	-
45	L. 72	13b/SS.1793	Angle	-	-	0.125	6:1	113
46	L. 72	22	Stiffener	0.05	3.0	0.125	4:1	-
47	L. 72	22	Doubling plate	0.05	3.0	0.125	4:1	-
48	L. 72	20	Stiffening plate	0.05	3.0	-	-	-
49	L. 72	20	Angle	-	-	0.125	6:1	-
50	L. 72	454/SS.1793	Channel	0.05	3.0	0.125	4:1	108
51	L. 72	12b/SS.1793	Angle	-	-	0.125	6:1	113
52	L. 72	925/SS.1793	Angle	-	-	0.125	6:1	-
53	L. 72	998/SS.1793	Angle	-	-	0.125	6:1	-
54	L. 72	447/SS.1793	Angle	0.05	3.0	0.125	4:1	-
55	L. 72	16	Plate	0.05	3.0	0.125	4:1	-
56	L. 72	20	Channel	0.05	3.0	0.125	8:1	108
57	L. 72	20	Angle	0.05	3.0	0.125	4:1	-
58	L. 72	20	Web	0.025	3.0	0.25	8:1	103,106
59	L. 72	20	Reinforcing plate	0.05	3.0	0.125	8:1	-
60	L. 72	74/SS.1793	Angle	-	-	0.125	6:1	-
61	L. 72	22	Strap	0.025	3.0	0.25	8:1	103,106, 108
62	L. 73	226/SS.1793	Angle	-	-	0.125	6:1	-
63	L. 72	558/SS.1793	Channel	-	-	0.125	8:1	-
64	L. 73	995/SS.1793	Angle	-	-	0.125	6:1	-
65	L. 72	807/SS.1793	Stiffener	x 0.05	3.0	0.125	4:1	-
66	L. 72	20	Riblet	0.05	3.0	0.25	8:1	103
67	L. 73	12	Intercostal	0.05	3.0	0.125	8:1	-
68	L. 72	22	Angle	-	-	0.125	4:1	-
69	L. 73	18	Channel	-	-	0.125	4:1	103
70	L. 73	77/SS.1793	Channel	-	-	0.125	4:1	-
71	L. 73	20	Channel	-	-	0.125	4:1	103,108
72	L. 73	589/SS.1793	Web	-	-	0.125	4:1	-
73	L. 73	315/SS.1793	Angle	-	-	0.125	4:1	-
74	L. 73	313/SS.1793	Angle	-	-	0.125	4:1	-
75	L. 73	352/SS.1793	Boom	-	-	0.125	4:1	-
76	L. 73	8	Packing	-	-	0.25	4:1	-
77	L. 73	529/SS.1793	Angle	-	-	0.125	4:1	-
		313/SS.1793						
78	L. 73	or 352/SS.1793	Angle	-	-	0.125	4:1	-
79	L. 73	782/SS.1793	Channel	0.025	3.0	0.125	8:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A324 (POST MOD.892, 894, 1022 AND 1180 cont'd.)

Item	Material		Description	Negligible Damage				Repair Fig.		
	Spec.	S.W.G. or Section		Dents	Holes	Depth	Dist. Apart		Dia.	Pitch Ratio
80	L.73	16	Web			0.025	3.0	0.125	4:1	103
81	L.65	292/SS.3075	'T' section			0.025	2.5	0.125	4:1	110
82	L.72	14	Angle			0.025	3.0	0.125	4:1	-
83	L.72	14	Angle			0.025	3.0	0.125	8:1	-
84	L.72	14	Channel			0.05	3.0	0.125	8:1	-
85	L.72	627/SS.1793	Stiffener			-	-	0.125	8:1	-
86	L.72	854/SS.1793	Angle			-	-	0.125	4:1	-
87	L.72	20	Web			-	-	0.125	4:1	103
88	L.73	122/SS.1793	Web			-	-	0.125	4:1	-
89	L.73	1187/SS.1793	Intercostal			0.05	3.0	0.125	8:1	-
90	D.T.D.742	24	Panel			0.1	2.5	-	-	-
91	L.72	186/SS.1793	Top hat stiffener			-	-	0.125	8:1	-
92	L.72	736/SS.1793	Angle			0.15	2.5	-	-	-
93	L.72	16	Gusset	x		-	-	-	-	-
94	L.72	26	Corrugation			0.15	2.0	-	-	-
95	L.72	22	Skin			0.1	2.5	-	-	-
96	L.72	18	Restrictor			0.1	2.5	-	-	-
97	L.72	664/SS.1793	Angle			0.05	3.0	0.125	4:1	-
98	L.72	18	Angle			0.05	3.0	0.125	4:1	-
99	L.72	998/SS.1793	Angle			0.05	3.0	0.125	8:1	-
100	L.72	20	Bracket	x		-	-	-	-	-
101	L.72	20	Angle			0.05	3.0	0.125	4:1	-
102	L.72	13b/SS.1793	Angle			0.05	3.0	0.125	4:1	113
103	L.72	22	Angle			0.05	3.0	0.125	8:1	-
104	L.73	18	Angle			-	-	0.125	4:1	-
105	L.72	857/SS.1793	Angle			-	-	0.125	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A324A (POST MOD.892 AND 1022)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Pitch Ratio		
				Depth	Dist. Apart	Dia.		
1	L.72	431/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
2	L.72	24	Web	0.05	3.0	0.25	8:1	103,116
3	L.73	985/SS.1793	Boom	-	-	0.125	6:1	-
4	L.72	22	Plate	0.05	3.0	0.125	4:1	-
5	L.72	18	Gusset	x 0.1	2.5	-	-	-
6	L.72	18	Stiffener	-	-	0.125	6:1	113
7	L.72	998/SS.1793	Angle	-	-	0.125	6:1	-
8	L.73	854/SS.1793	Boom	-	-	0.125	6:1	-
9	L.72	18	Bracket	0.05	2.5	0.125	6:1	-
10	L.72	18	Tie member	-	-	0.125	6:1	-
11	L.72	18	Capping member	-	-	0.125	6:1	-
12	L.72	18	Angle	0.05	2.5	0.125	6:1	113
13	L.73	987/SS.1793	Boom	-	-	0.125	6:1	-
14	L.72	20	Web	0.05	3.0	0.25	8:1	103,106
15	L.73	984/SS.1793	Boom	-	-	0.125	6:1	-
16	L.72	22	Web	0.05	3.0	0.25	8:1	103,106
17	L.72	22	Stiffener	0.05	3.0	0.125	4:1	-
18	L.72	18	Plate	0.1	2.5	-	-	-
19	L.72	999/SS.1793	Angle	-	-	0.125	6:1	-
20	L.72	386/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
21	L.73	311/SS.1793	Boom	-	-	0.125	6:1	113
22	L.73	311/SS.1793	Boom	-	-	0.125	4:1	113
23	L.72	410/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
24	L.73	385/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
25	L.72	16	Stiffener	0.1	3.0	0.125	4:1	-
26	L.72	18	Stiffening angle	-	-	0.125	6:1	113
27	L.72	22	Stiffener	0.05	3.0	0.125	4:1	-
28	L.72	20	Web	0.1	2.5	0.25	4:1	103
29	L.72	983/SS.1793	Boom	-	-	0.125	6:1	106,118
30	L.73	854/SS.1793	Stiffening angle	-	-	0.125	6:1	-
31	L.73	88/SS.1793	Reinforcing angle	-	-	0.125	6:1	-
32	L.72	311/SS.1793	Reinforcing angle	-	-	0.125	4:1	113
33	L.72	18	Plate	0.1	2.5	0.125	4:1	-
34	L.72	18	Channel	-	-	0.125	4:1	-
35	L.73	983/SS.1793	Boom	-	-	0.125	4:1	-
36	L.72	18	Stiffener (angle)	-	-	0.125	4:1	113
37	L.73	18	Stiffener (angle)	-	-	0.125	4:1	113
38	S.514	18	Reinforcing plate	0.05	2.5	0.125	4:1	-
39	L.72	999/SS.1793	Angle	-	-	0.125	4:1	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG.A324A (POST MOD.892 AND 1022 cont'd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
40	L.72	22	Angle	-	-	0.125	4:1	113
41	L.72	1000/SS.1793	Angle	-	-	0.125	4:1	-
42	L.73	985/SS.1793	Boom	-	-	0.125	4:1	-
43	L.73	854/SS.1793	Boom	-	-	0.125	4:1	-
44	L.73	987/SS.1793	Boom	-	-	0.125	4:1	-
45	L.72	385/SS.1793	Stiffener	0.1	3.0	0.125	4:1	-
46	L.73	984/SS.1793	Boom	-	-	0.125	4:1	-
47	L.73	854/SS.1793	Angle	-	-	0.125	4:1	-
48	L.73	987/SS.1793	Reinforcing angle	-	-	0.125	4:1	-
49	L.72	386/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
50	L.72	18	Stiffener	0.05	3.0	0.125	4:1	113
51	L.73	13a/SS.1793	Boom	-	-	0.125	4:1	113
52	L.72	20	Angle	x -	-	0.125	4:1	-
53	L.72	20	Bracket	x -	-	-	-	-
54	L.72	14	Channel	0.05	2.0	0.125	4:1	-
55	L.72	627/SS.1793	Stiffener 'Z' type	-	-	0.125	8:1	-
56	L.72	22	Angle	-	-	0.125	8:1	113
57	L.72	20	Angle	-	-	0.125	8:1	113
58	L.72	20	Plate	0.1	2.5	-	-	-
59	L.72	22	Panel	0.1	2.5	-	-	-
60	L.72	26	Corrugated panel	0.15	2.0	-	-	-
61	L.72	20	Flange	-	-	0.125	4:1	108
62	L.72	697/SS.1793	Intercostal	0.05	3.0	0.125	4:1	-
63	L.72	18	Bracket	x -	-	0.125	4:1	-
64	L.72	20	Plate	0.1	2.5	-	-	-
65	L.83	-	Bracket	x -	-	-	-	-
66	L.72	20	Panel	0.1	2.5	-	-	-
67	L.72	20	Web	0.1	2.5	0.25	4:1	103
68	D.T.D.732	24	Panel	0.1	2.0	-	-	-
69	L.72	20	'Z' section	-	-	0.125	4:1	-
70	L.73	1205/SS.1793	Intercostal	0.05	3.0	0.125	4:1	-
71	L.72	247/SS.1793	Angle	0.025	2.5	0.125	4:1	113
72	L.72	16	Web	0.1	2.5	0.25	4:1	108
73	L.73	18	Channel	-	-	0.125	4:1	-
74	L.72	16	Angle	-	-	0.125	4:1	-
75	L.73	20	Stiffener	-	-	0.125	4:1	-
76	L.72	183/SS.1793	Boom	-	-	0.125	4:1	113
77	L.72	24	Web	0.1	2.5	0.25	4:1	103,106
78	L.72	20	Duct angle	0.05	3.0	0.125	4:1	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

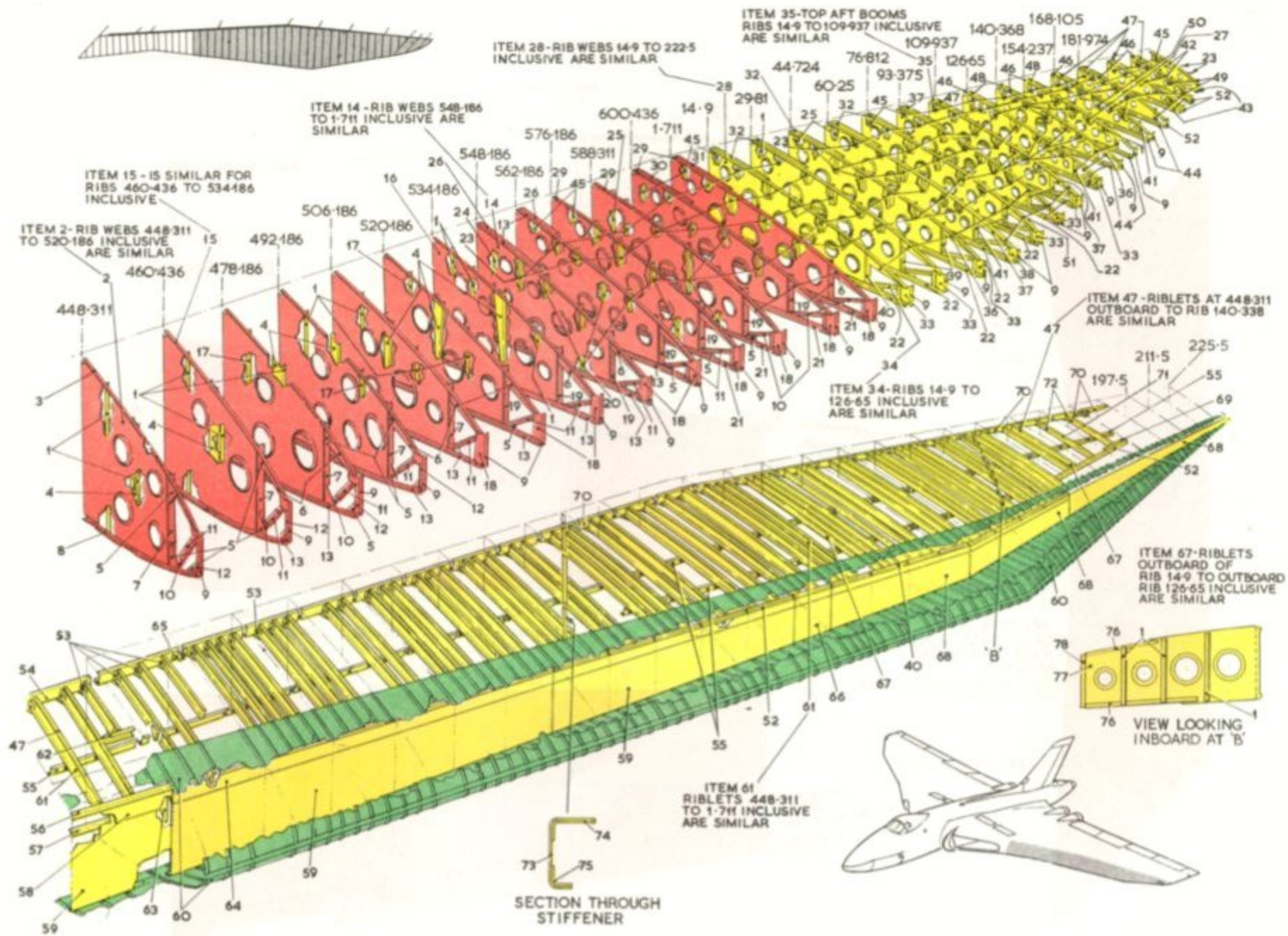


Fig. A324 A. Leading edge structure and reinforcing-outer portion (Post Mod. 892 and 1022)

RESTRICTED

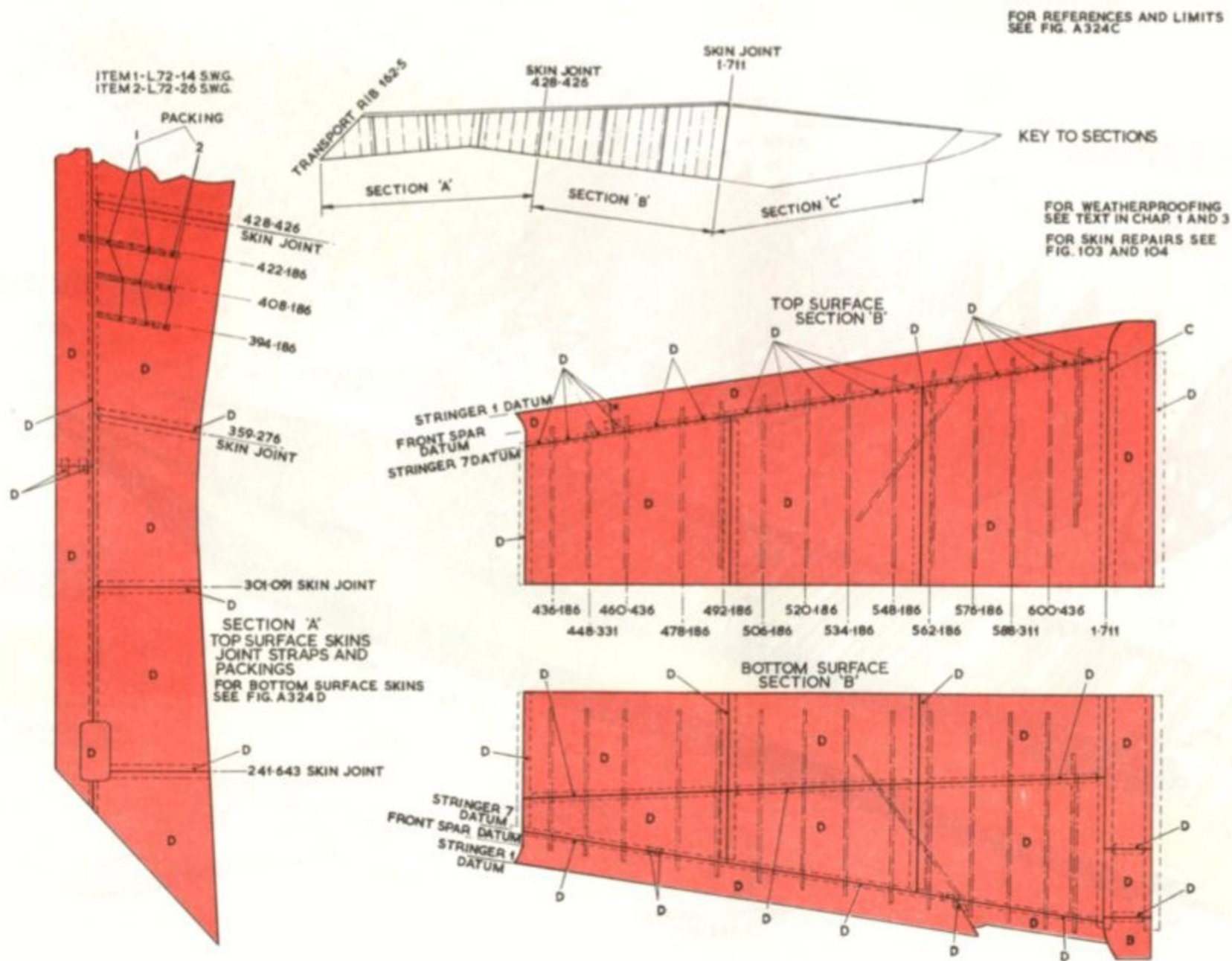
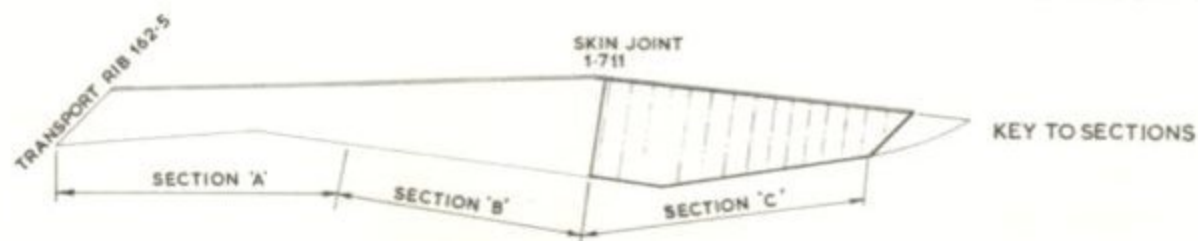


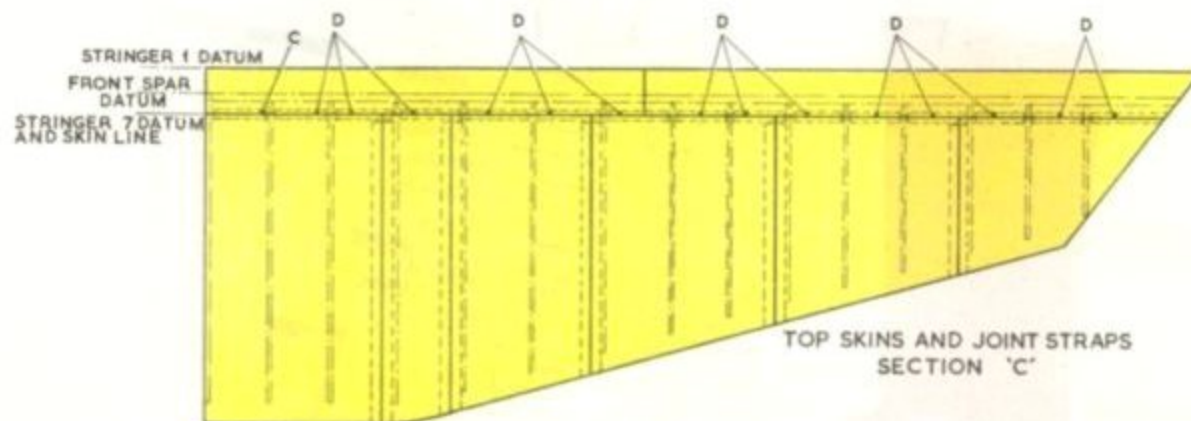
Fig. A324B. Leading edge inner portion - skins and reinforcing (Post Mod. 1022)

RESTRICTED



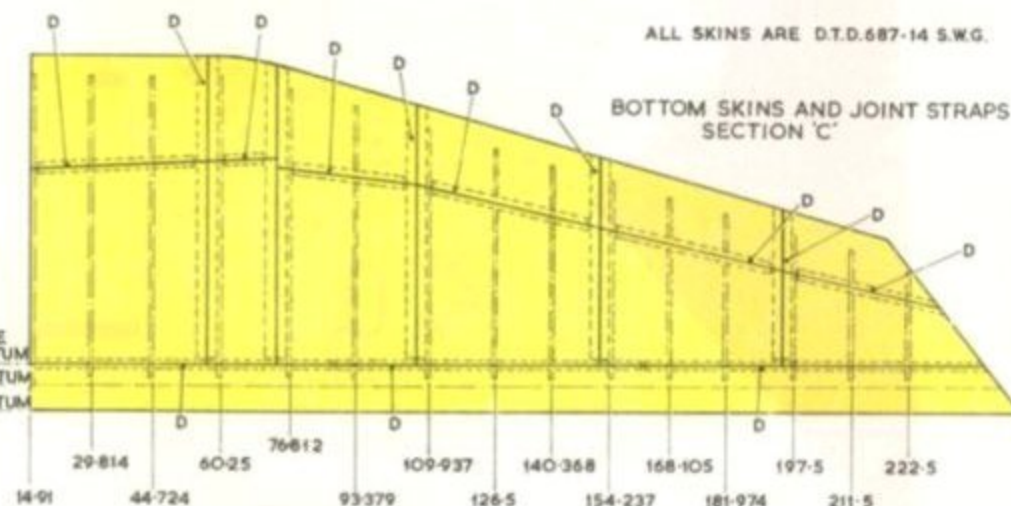
SKIN AND BUTT STRAP REFERENCES

LETTER	S.W.G.	MAT. SPEC.
A	7	L.73
B	12	D.T.D.687
C	13	D.T.D.687
D	14	D.T.D.687
E	16	L.72



SKIN, BUTT STRAP AND PACKING LIMITS

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	0-05 IN.	3-0 IN.
YELLOW	0-05 IN.	3-0 IN.



FOR WEATHERPROOFING
SEE TEXT IN CHAP 1 AND 3

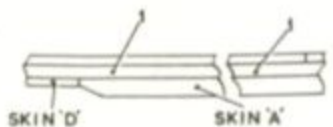
FOR SKIN REPAIRS SEE
FIG. 103 AND 104

NOTE: REFER TO TEXT IN CHAP 3 PARA. 318
FOR DENTS AND ABRASIONS.

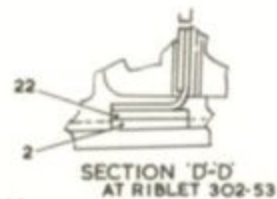
REFER TO TEXT IN CHAP 3 PARA. 311
FOR DAMAGE BEYOND THE LIMITS
GIVEN ABOVE

Fig. A324C. Leading edge outer portion - skins
RESTRICTED

KEY TO SECTION



SECTION THROUGH JOINT AT 'C-C'

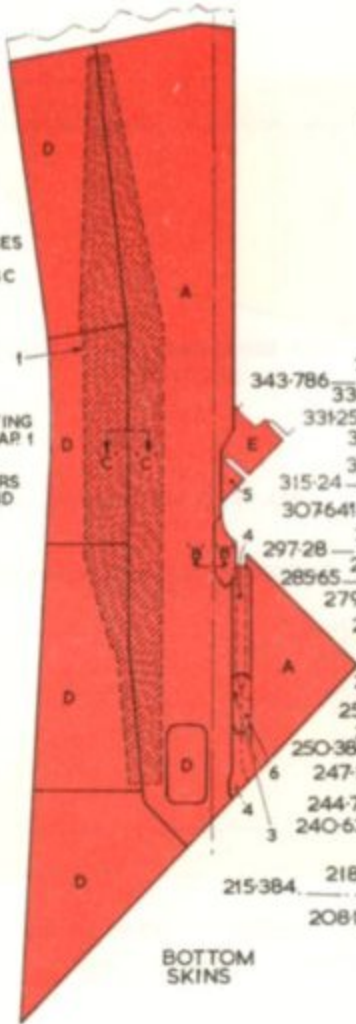


FOR REFERENCES AND LIMITS SEE FIG. A 324C

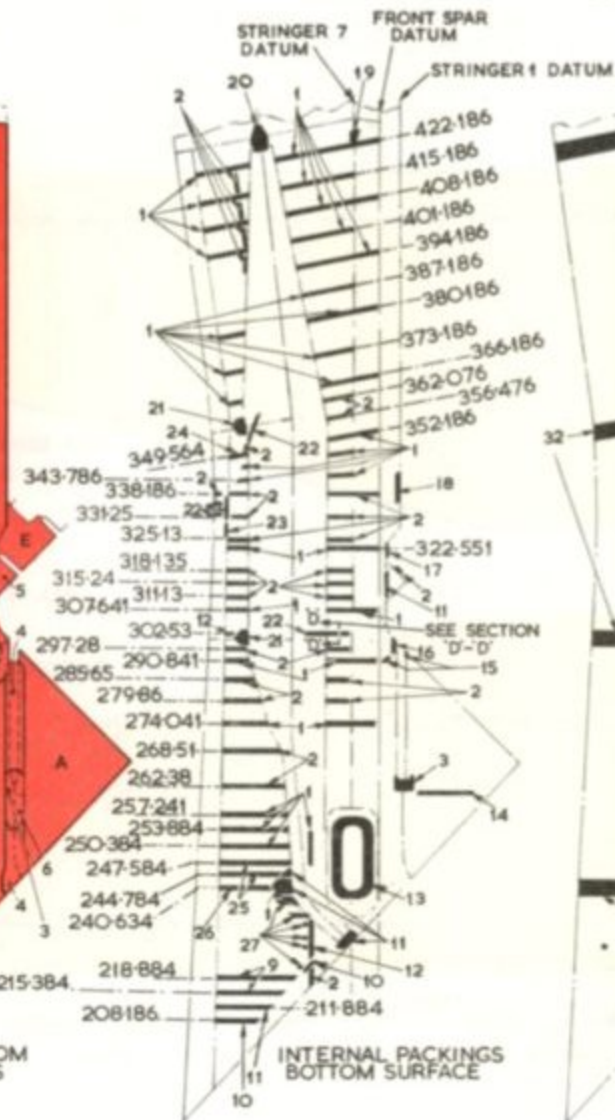
FOR WEATHERPROOFING SEE TEXT IN CHAP 1 AND 3
FOR SKIN REPAIRS SEE FIG. 103 AND 104



SECTION 'B-B'



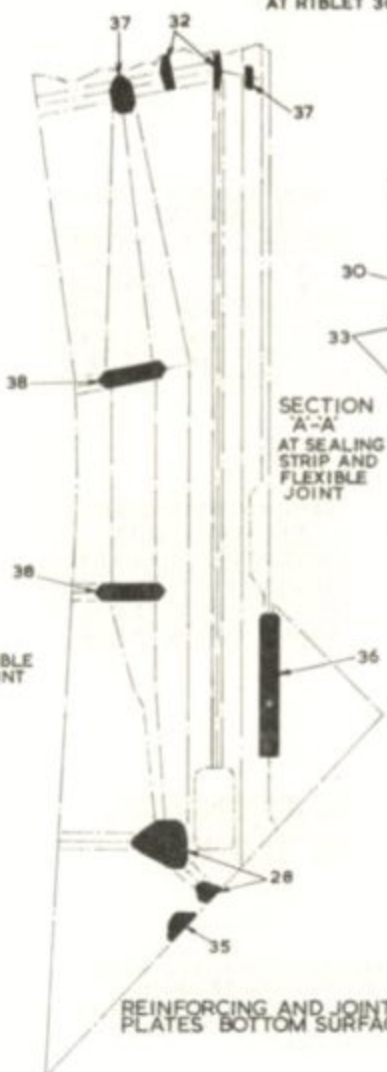
BOTTOM SKINS



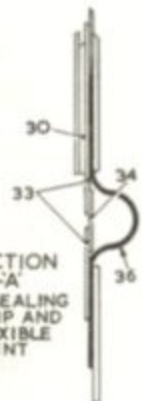
INTERNAL PACKINGS BOTTOM SURFACE



JOINT PLATES BOTTOM SURFACE



REINFORCING AND JOINT PLATES BOTTOM SURFACE



SECTION 'A-A' AT SEALING STRIP AND FLEXIBLE JOINT

Fig. A324D. Leading edge skins -packings-straps (Post Mod. 1022)

RESTRICTED

RESTRICTED

A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.52, Jan.68

KEY TO FIG.A324D (POST MOD.1022)

Item	Material Spec.	S.W.G. or Section	Description	Negligible Damage			Pitch Ratio	Repair Fig.
				Dents Depth	Dist. Apart	Holes Dia.		
1.	L.73	10	Packing	-	-	-	-	-
2	L.72	10	Packing	x -	-	-	-	-
3	L.73	24	Packing	x 0.025	6.0	-	-	-
4	L.73	12	Butt strap (internal)	-	-	-	-	-
5	L.73	14	Fairing	-	-	-	-	103, 104
6	A.V.R.22	16	Reinforcing plate	-	-	-	-	-
7	L.73	14	Reinforcing plate	-	-	-	-	-
8	L.73	17	Reinforcing plate	x -	-	-	-	-
9	L.73	16	Packing	-	-	-	-	-
10	L.72	14	Packing	-	-	-	-	-
11	L.73	18	Packing	x 0.05	6.0	-	-	-
12	L.72	8	Packing	-	-	-	-	-
13	L.73	13	Packing ring	-	-	-	-	-
14	L.73	12	Packing	-	-	-	-	-
15	L.73	14	Packing	x -	-	-	-	-
16	S.514	7	Packing	x -	-	-	-	-
17	L.73	6	Packing	x -	-	-	-	-
18	L.72	22	Tapered packing	x -	-	-	-	-
19	D.T.D.687	14	Packing	-	-	-	-	-
20	D.T.D.687	18	Packing	0.05	6.0	-	-	-
21	L.72	18	Packing	0.05	6.0	-	-	-
22	L.72	12	Packing	x -	-	-	-	-
23	L.72	6	Packing	x -	-	-	-	-
24	L.73	23	Packing	x 0.025	6.0	-	-	-
25	L.73	3	Packing	-	-	-	-	-
26	L.72	7	Packing	-	-	-	-	-
27	L.73	26	Packing	x 0.025	6.0	-	-	-
28	L.73	10	Joint plate	-	-	-	-	-
29	S.514	18	Seating frame	0.05	6.0	-	-	-
30	S.520	20	Capping strip	x 0.05	6.0	-	-	-
31	L.73	18	Strap plate	0.05	6.0	-	-	-
32	D.T.D.687	14	Joint plate	-	-	-	-	-
33	S.520	24	Seal attachment	x 0.025	6.0	-	-	-
34	D.T.D.818	-	Silicone rubber	x -	-	-	-	-
35	L.73	14	Joint plate	-	-	-	-	-
36	A.V.R.22	14	Reinforcing member	-	-	-	-	-
37	L.73	12	Joint plate	-	-	-	-	-
38	L.73	12	Reinforcing plate	-	-	-	-	-

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

RESTRICTED

KEY TO FIG. A324E (POST MOD. 1022)

Item	Material		Description	Dents		Negligible Damage		Holes		Repair Fig.
	Spec.	S.W.G. or Section		Depth	Dist. Apart	Dia.	Pitch Ratio			
1	L.72	14	Packing	-	-	-	-	-	-	
2	L.73	18	Packing	x 0.05	6.0	-	-	-	-	
3	L.73	16	Packing	-	-	-	-	-	-	
4	L.72	8	Packing	x -	-	-	-	-	-	
5	L.73	26	Packing	x 0.025	6.0	-	-	-	-	
6	L.72	7	Packing	-	-	-	-	-	-	
7	L.73	3	Packing	-	-	-	-	-	-	
8	L.73	10	Packing	-	-	-	-	-	-	
9	L.72	10	Packing	x -	-	-	-	-	-	
10	L.73	14	Packing	x -	-	-	-	-	-	
11	L.73	24	Packing	x 0.025	6.0	-	-	-	-	
12	L.73	12	Packing	-	-	-	-	-	-	
13	L.73	23	Packing	x -	-	-	-	-	-	
14	L.72	12	Packing	x -	-	-	-	-	-	
15	L.73	6	Packing	x -	-	-	-	-	-	
16	L.73	18	Packing	x -	-	-	-	-	-	
17	L.73	9	Packing	x -	-	-	-	-	-	
18	D.T.D.687	18	Packing	0.05	6.0	-	-	-	-	
19	D.T.D.687	14	Packing	-	-	-	-	-	-	
20	L.72	18	Packing plate	0.05	6.0	-	-	-	-	
21	L.72	18	Packing plate	x -	-	-	-	-	-	
22	S.514	18	Seating frame	0.05	6.0	-	-	-	-	
23	L.73	12	Joint plate	-	-	-	-	-	-	
24	D.T.D.687	14	Joint plate	-	-	-	-	-	-	
25	D.T.D.687	14	Butt strap	-	-	-	-	-	-	
26	L.73	10	Joint strap	-	-	-	-	-	-	
27	L.73	10	Joint plate	-	-	-	-	-	-	
28	L.73	14	Plate	-	-	-	-	-	-	
29	A.V.R.22	14	Reinforcing member	-	-	-	-	-	-	
30	S.520	20	Capping strip	x 0.05	6.0	-	-	-	-	
31	L.73	10	Inner reinforcing panel	-	-	-	-	-	-	
32	L.73	7	Skin panel	0.05	3.0	-	-	-	-	
33	L.73	12	Butt strap (internal)	-	-	-	-	-	-	
34	L.73	12	Reinforcing plate	-	-	-	-	-	-	
35	L.73	18	Strap plate	0.05	6.0	-	-	-	-	
36	L.72	18	Tapered packing	x -	-	-	-	-	-	
37	S.520	24	Seal attachment	x 0.025	6.0	-	-	-	-	
38	D.T.D.818	-	Silicon rubber	x -	-	-	-	-	-	
39	A.V.R.22	16	Reinforcing plate	-	-	-	-	-	-	
40	L.73	17	Reinforcing plate	x -	-	-	-	-	-	
41	L.73	14	Reinforcing plate	-	-	-	-	-	-	
42	L.73	13	Packing ring	-	-	-	-	-	-	

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

RESTRICTED

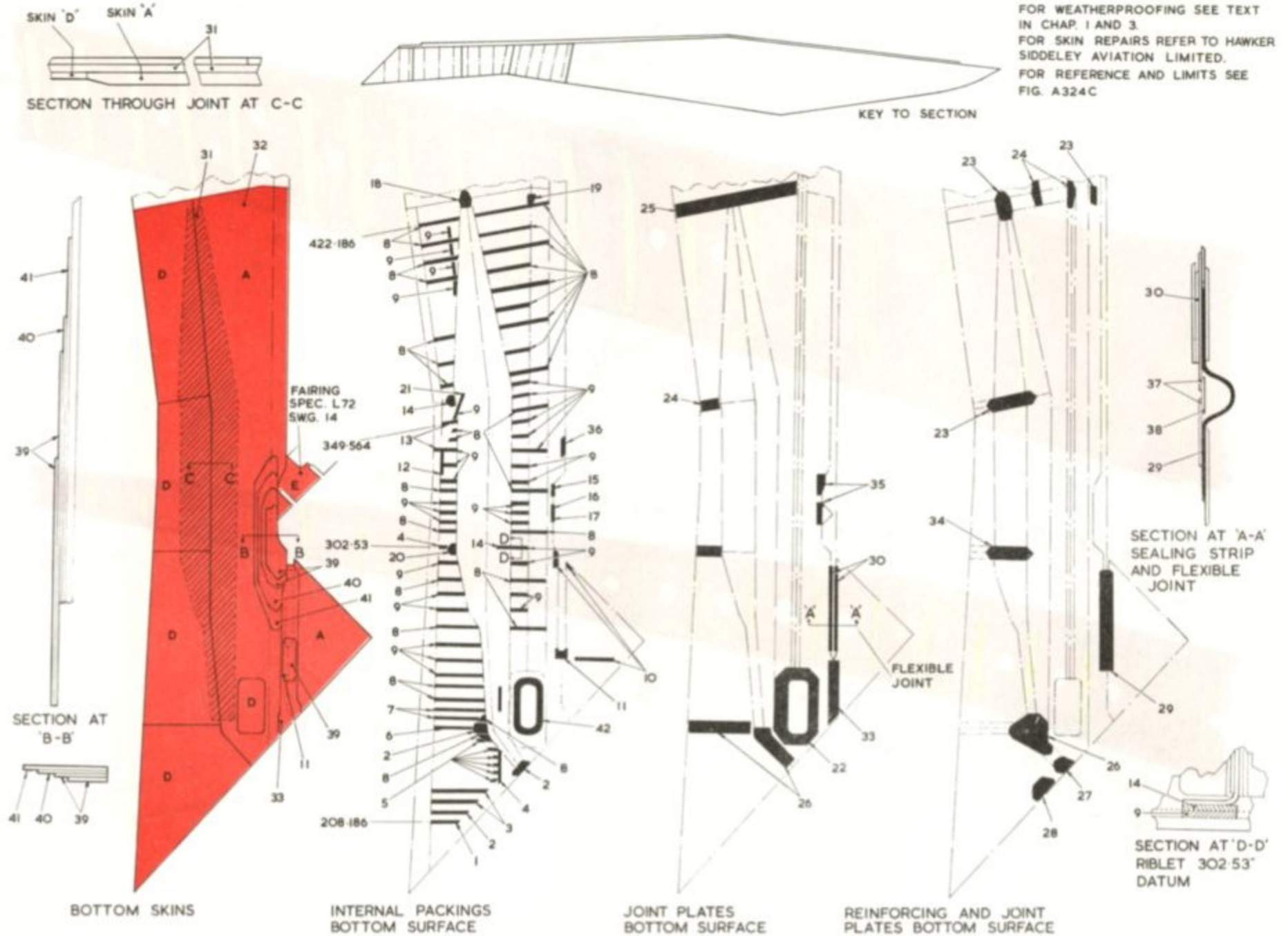


Fig. A324E Leading edge skins-packings-straps (Post Mod. 1022)

RESTRICTED

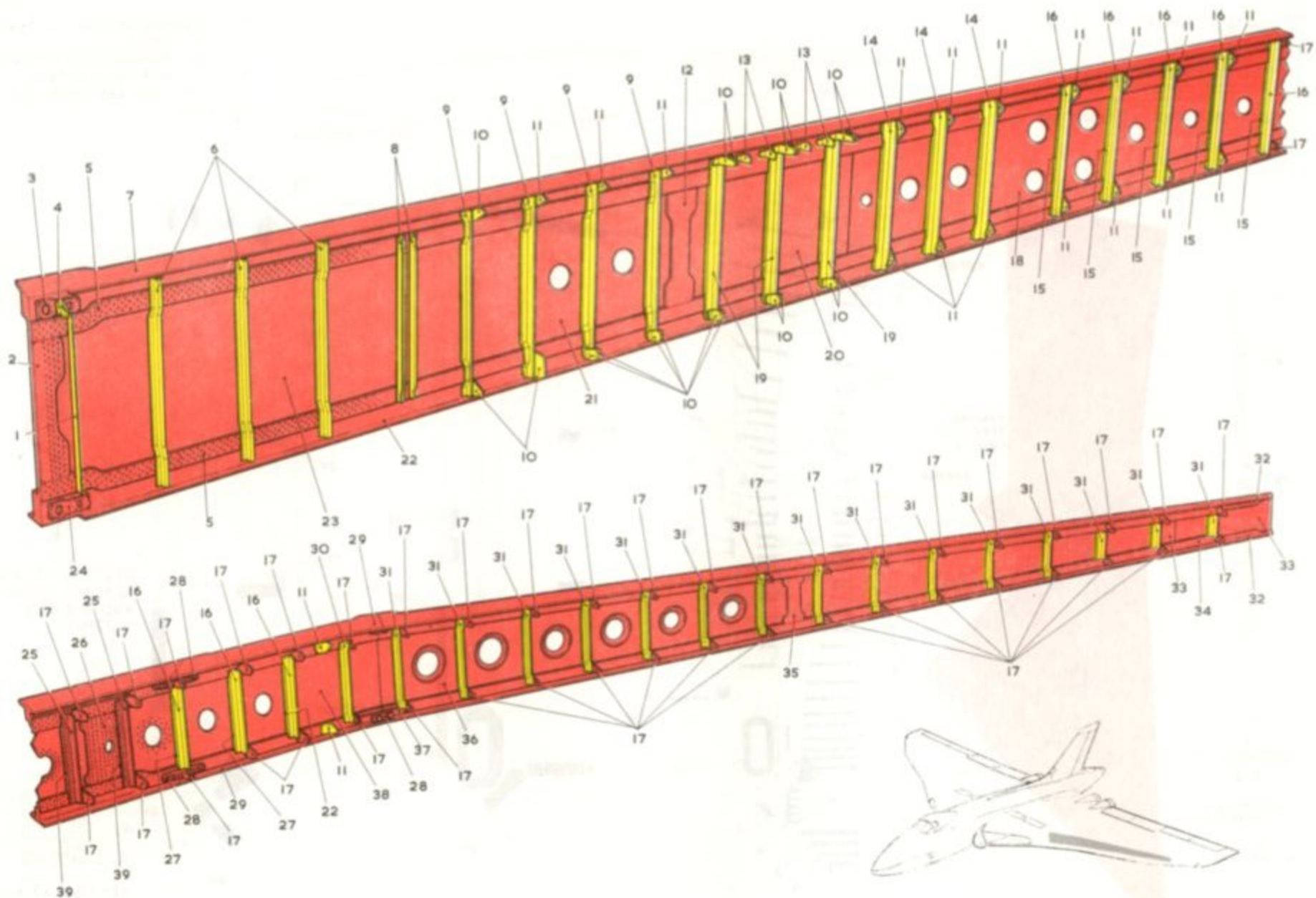


Fig. A325 Outer wing front spar - forward face

RESTRICTED

KEY TO FIG. A325

Item	Spec.	Material S.W.G. or Section	Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
					Dist. Apart	Holes Dia.		
1	L.72	537/SS.1793	Stiffener	x 0.05	3.0	0.125	6:1	-
2	D.T.D.687	8	Reinforcing plate	-	-	-	-	-
3	S.99	-	Reinforcing plate	-	-	-	-	-
4	L.72	16	Bracket	x -	-	-	-	-
5	D.T.D.687	13	Butt strap	-	-	-	-	-
6	L.72	83/SS.1793	Stiffener	0.05	3.0	0.125	6:1	-
7	D.T.D.5074	6/B.1868	Boom	* -	-	-	-	-
8	L.72	995/SS.1793	Angle	0.05	3.0	0.125	6:1	-
9	L.73	14	Angle	0.05	3.0	0.125	6:1	-
10	S.514	16	Bracket	x -	-	-	-	-
11	L.72	18	Bracket	x -	-	-	-	-
12	L.73	6	Joint strap	x -	-	-	-	-
13	L.65	Forging	Bracket	* -	-	-	-	-
14	L.73	16	Angle	x 0.05	3.0	0.125	4:1	-
15	L.72	13	Packing	x -	-	-	-	-
16	L.72	1085/SS.1793	Angle	x 0.05	3.0	0.125	4:1	-
17	D.T.D.5054	Forging	Bracket	* -	-	-	-	-
18	D.T.D.687	13	Web	0.025	6.0	-	-	-
19	L.72	9	Angle	x 0.025	6.0	0.125	8:1	-
20	L.73	7	Web	0.025	6.0	-	-	-
21	L.73	7	Web	0.025	6.0	-	-	-
22	D.T.D.5074	5/B.1868	Boom	* -	-	-	-	-
23	D.T.D.687	9	Web	0.025	6.0	-	-	-
24	S.99	-	Reinforcing plate	-	-	-	-	-
25	L.72	1085/SS.1793	Angle	0.05	3.0	-	-	-
26	D.T.D.687	11	Plate	-	-	-	-	-
27	L.72	14	Packing	-	-	-	-	-
28	S.96	-	Shackle	* -	-	-	-	-
29	D.T.D.5074	11/B.1868	Boom	* -	-	-	-	-
30	L.72	16	Angle	x 0.05	3.0	0.125	4:1	-
31	L.72	66/SS.1793	Angle	x 0.05	3.0	0.125	4:1	-
32	L.77	9/B.1868	Boom	* -	-	-	-	-
33	D.T.D.687	16	Web	0.025	6.0	0.25	10:1	103,104
34	D.T.D.687	7	Reinforcing plate	-	-	-	-	-
35	D.T.D.687	14	Joint plate	-	-	-	-	-
36	D.T.D.687	14	Web	0.025	6.0	-	-	103,104
37	L.72	22	Rubbing plate	-	-	-	-	-
38	D.T.D.687	14	Web	0.025	6.0	-	-	103,104
39	L.72	13	Packing	-	-	-	-	-

* No repairs permitted.
x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A325A

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S. W. G. or Section			Dist. Apart	Holes Dia.		
1	L. 72	16	Bracket	x -	-	-	-	-
2	D. T. D. 5054	Forging	Bracket	* 0.02	-	-	-	-
3	D. T. D. 687	16	Web	0.025	6.0	0.25	8:1	-
4	L. 72	1085/SS, 1793	Bracket	* -	-	-	-	-
5	L. 77	-	Boom	* 0.05	3.0	-	-	-
6	D. T. D. 5054	Forging	Bracket	* -	-	-	-	-
7	D. T. D. 687	14	Web	0.025	6.0	-	-	-
8	L. 72	14	Angle	* -	-	-	-	-
9	D. T. D. 687	12	Reinforcing plate	x 0.05	2.0	-	-	-
10	D. T. D. 683	Forging	Bracket	* -	-	-	-	-
11	D. T. D. 5074	11B, 1868	Boom	* 0.05	3.0	-	-	-
12	D. T. D. 687	16	Cover plate	x 0.03	2.0	-	-	-
13	L. 72	1085/SS, 1793	Angle	0.05	3.0	0.125	4:1	-
14	L. 72	16	Angle	0.05	3.0	0.125	4:1	-
15	L. 72	16	Angle	* -	-	-	-	-
16	D. T. D. 687	14	Joint plate	x -	-	-	-	-
17	L. 73	18	Angle	* -	-	-	-	-
18	L. 77	Forging	Bracket	* -	-	-	-	-
19	D. T. D. 687	16	Cover plate	x 0.1	2.0	-	-	-
20	L. 77	Forging	Bracket	* -	-	-	-	-
21	L. 77	Forging	Bracket	* 0.02	-	-	-	-
22	L. 77	Forging	Bracket (Post Mod. 1180)	* 0.02	-	-	-	-
23	L. 73	7	Reinforcing plate	x 0.025	2.0	-	-	-
24	D. T. D. 687	11	Angle	x -	-	-	-	-
25	L. 73	8	Joint plate	x -	-	-	-	-
26	S. 99	-	Reinforcing plate	* -	-	-	-	-
27	L. 65	Bar	Pipe connection	-	-	-	-	-
28	L. 72	14	Bracket	x 0.05	3.0	-	-	-
29	L. 73	14	Angle	x -	-	-	-	-
30	L. 73	14	Angle	0.05	3.0	0.125	4:1	-
31	L. 73	7	Web	0.025	6.0	-	-	-
32	S. 96	-	Joint shackle	* -	-	-	-	-
33	{ D. T. D. 5054	Forging	Bracket (Pre Mod. 1106)	* 0.02	-	-	-	-
	{ L. 77	Forging	Bracket (Post Mod. 1106)	* 0.02	-	-	-	-
34	L. 73	10	Reinforcing plate	0.025	6.0	-	-	-

* No repairs permitted

x More expedient to renew than repair.

All dimensions are quoted in inches.

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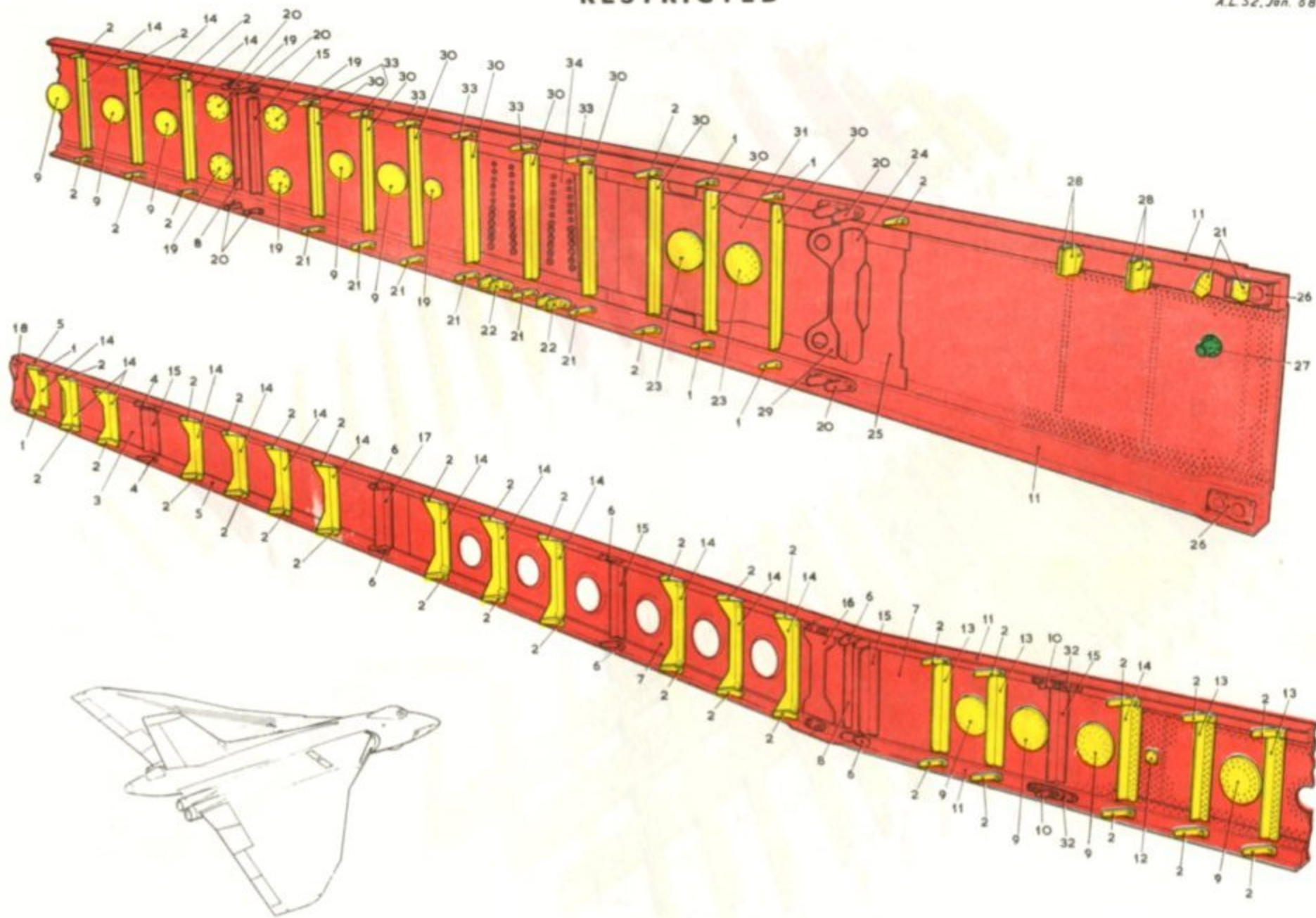


Fig. A325A Outer wing front spar - aft face

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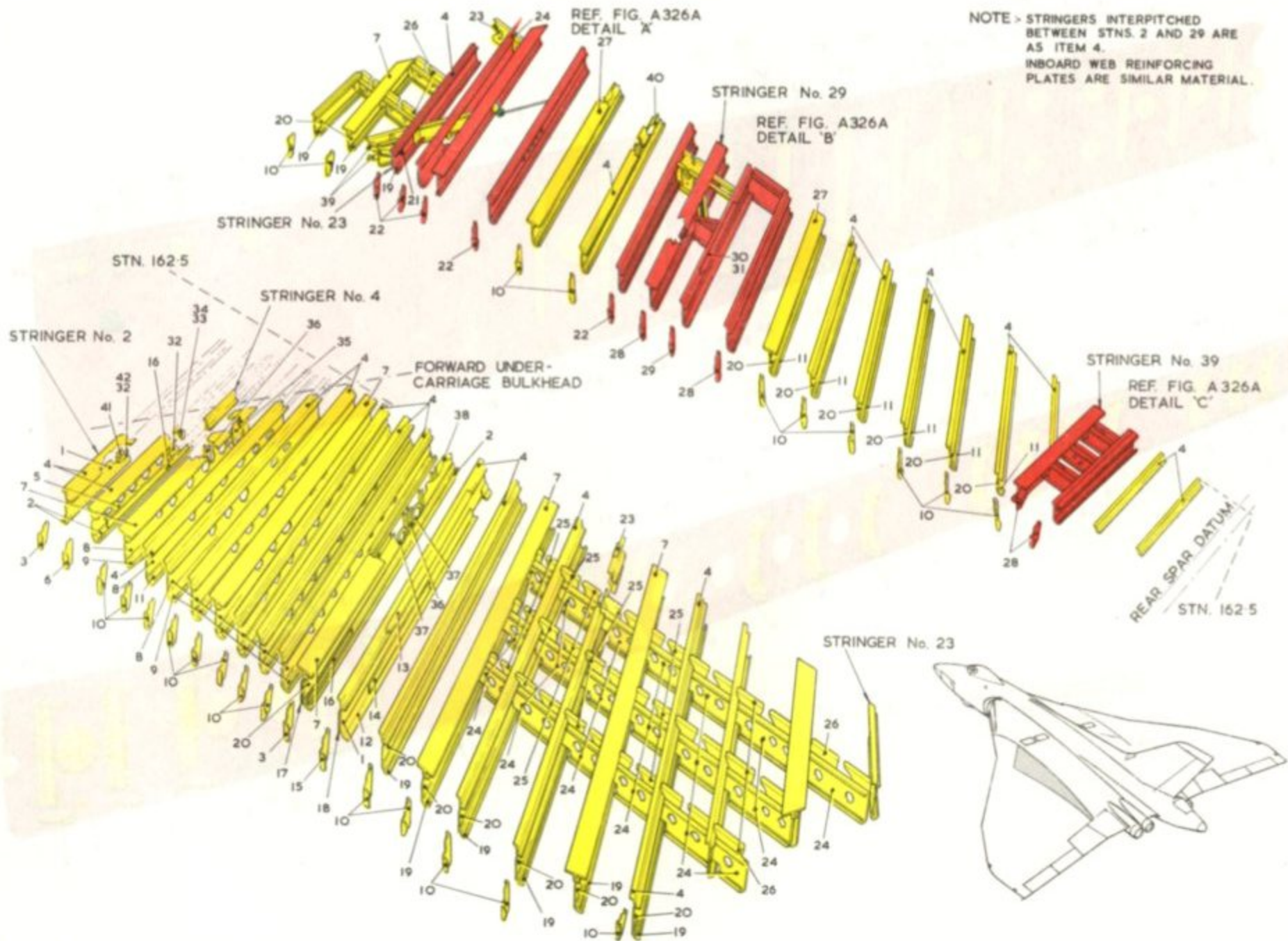


Fig. A326 Undercarriage bay roof structure (Post Mod. 894, 1300 and 1697)

RESTRICTED

KEY TO FIG.A326 (POST MOD.894, 1300 AND 1697)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
1	L.73	18	Web	0.05	2.5	0.25	4 : 1	-
2	L.73	1093/SS.1793	Boom angle	-	-	0.125	4 : 1	-
3	L.73	16	Bracket	x 0.05	2.5	0.25	4 : 1	-
4	D.T.D.5054	302/SS.3075	Stringer 'Z' section	-	-	0.125	4 : 1	A372
5	L.73	16	Web	x 0.05	2.5	0.25	4 : 1	-
6	L.73	14	Bracket	x 0.05	2.5	0.25	4 : 1	-
7	D.T.D.5054	588/SS.3075	Stringer 'T' section	-	-	0.125	4 : 1	A371
8	L.73	24	Web	x 0.05	2.5	0.25	4 : 1	-
9	L.73	385/SS.1793	Boom angle	-	-	0.125	4 : 1	-
10	L.73	20	Bracket	x 0.05	2.5	0.25	4 : 1	-
11	L.73	410/SS.1793	Boom angle	-	-	0.125	4 : 1	-
12	L.65	-	Boom	-	-	0.125	4 : 1	-
13	L.65	494/SS.3075	Reinforcing angle	-	-	0.125	4 : 1	-
14	D.T.D.687	12	Nesting strip	x 0.05	2.5	0.25	4 : 1	-
15	L.73	12	Bracket	x 0.05	2.5	0.25	4 : 1	-
16	L.73	16	Nesting strip	x 0.05	2.5	0.25	4 : 1	-
17	L.73	24	Reinforcing plate	0.05	2.5	0.25	4 : 1	-
18	L.73	20	Reinforcing plate	0.05	2.5	0.25	4 : 1	-
19	L.73	1099/SS.1793	Boom angle	-	-	0.125	4 : 1	-
20	L.73	24	Web	0.05	2.5	0.25	4 : 1	-
21	L.73	24	Web	0.01	3.0	0.125	8 : 1	-
22	L.73	20	Bracket	x 0.02	2.5	0.25	4 : 1	-
23	L.72	18	Angle	-	-	0.125	4 : 1	-
24	L.72	18	Intercostal	x 0.05	3.0	0.125	8 : 1	-
25	L.72	16	Shear angle	x 0.05	3.0	0.125	4 : 1	-
26	L.72	18	Shear angle	x 0.05	3.0	0.125	4 : 1	-
27	D.T.D.5054	301/SS.3075	Stringer 'T' section	-	-	0.125	4 : 1	A373,A373A
28	L.73	18	Bracket	x 0.02	2.5	0.25	4 : 1	-
29	S.520	18	Bracket	x 0.02	2.5	0.25	4 : 1	-
30	L.72	1318/SS.1793	Reinforcing angle	-	-	0.125	4 : 1	-
31	L.72	6	Strip	-	-	0.125	4 : 1	-
32	L.73	14	Reinforcing plate	0.02	3.0	0.25	6 : 1	-
33	L.73	10	Corner plate	x 0.05	2.5	-	-	-
34	L.72	14	Packing	x 0.05	2.5	-	-	-
35	L.73	20	Reinforcing plate	0.02	3.0	0.25	6 : 1	-
36	L.72	18	Stiffener	0.02	2.5	0.125	4 : 1	-
37	L.73	22	Stiffening plate	0.02	2.5	0.125	4 : 1	-
38	L.73	24	Reinforcing plate	0.02	3.0	0.25	6 : 1	-
39	L.73	18	Stiffening angle	0.02	2.5	0.125	4 : 1	-
40	L.73	22	Reinforcing plate	0.02	3.0	0.25	6 : 1	-
41	L.73	10	Reinforcing plate	0.02	3.0	0.25	6 : 1	-
42	L.73	14	Packing	x 0.05	2.5	-	-	-

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

KEY TO FIG.A326A (POST MOD. 743, 1300 AND 1414)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
1	L.73	24	Web	0.01	3.0	0.125	8:1	-
2	L.73	385/SS.1793	Boom	-	-	0.125	4:1	-
3	D.T.D.5054	302/SS.3075	Stringer 'Z'	-	-	0.125	4:1	A372
4	L.73	20	Channel	0.05	3.0	0.125	4:1	-
5	L.73	22	Web	0.02	3.0	0.125	8:1	-
6	L.73	24	Nesting angle	0.02	3.0	0.125	4:1	-
7	L.73	14	Diaphragm	0.05	3.0	0.125	4:1	-
8	L.72	14	Channel	0.02	3.0	-	-	-
9	-	-	Pulley	x -	-	-	-	-
10	L.77	-	Attachment fitting	* -	-	-	-	-
11	L.77	-	Bracket	-	-	-	-	-
12	L.73	18	Web	0.02	3.0	0.125	8:1	-
13	L.73	1093/SS.1793	Angle	-	-	0.125	4:1	-
14	L.73	20	Reinforcing plate	0.05	3.0	0.125	4:1	-
15	L.77	233/SS.3075	Angle	-	-	0.125	4:1	-
16	L.73	16	Web	0.02	3.0	0.125	8:1	-
17	L.72	16	Diaphragm	0.05	3.0	0.125	4:1	-
18	L.73	16	Angle	-	-	0.125	8:1	-
19	L.72	16	Angle	-	-	0.125	8:1	-
20	L.72	16	Channel	0.02	3.0	-	-	-
21	L.72	20	Rib	0.05	3.0	0.125	4:1	115
22	L.72	20	Plate	0.05	3.0	-	-	-
23	L.72	20	Angle	x 0.02	3.0	-	-	-
24	D.T.D.5054	301/SS.3075	Stringer 'T'	-	-	0.125	4:1	A373, A373A
25	D.T.D.687	16	Butt strap	x -	-	-	-	-
26	L.72	22	Packer	x -	-	-	-	-
27	L.72	14	Packer	x -	-	-	-	-
28	L.72	16	Angle	x 0.01	3.0	-	-	-
29	L.72	18	Rib	0.05	3.0	0.125	4:1	115
30	L.73	1382/SS.1793	Angle	-	-	0.125	4:1	-
31	L.72	18	Intercostal	0.02	3.0	0.125	8:1	115
32	S.96	-	Link	* 0.05	-	-	-	-
33	L.73	1099/SS.1793	Boom	-	-	0.125	4:1	-
34	L.72	22	Intercostal	0.05	3.0	0.125	4:1	115
35	-	-	Pulley	x -	-	-	-	-
36	T.45	22	Tie bar	0.05	-	-	-	-
37	L.77	-	Pulley bracket	x 0.05	-	-	-	-
38	L.72	16	Packing	x -	-	-	-	-
39	D.T.D.5064	396/SS.3075	Stiffener	-	-	0.125	4:1	-
40	D.T.D.5054	588/SS.3075	Stringer 'T'	-	-	0.125	4:1	A371

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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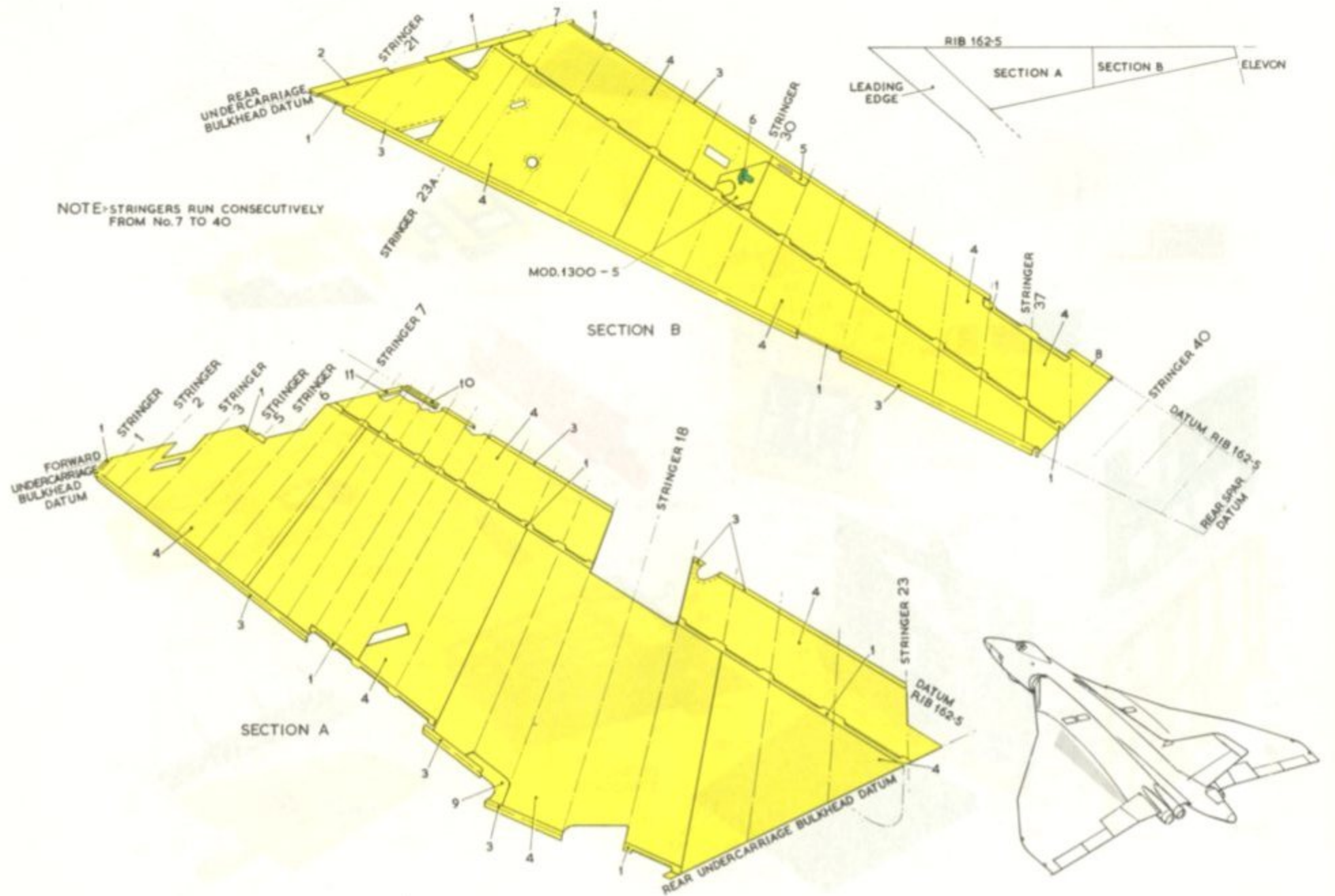
KEY TO FIG. A326B (POST MOD.1300)

Item	Material Spec.	S.W.G. or Section	Description	Negligible Damage				Repair Fig.
				Dents Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
1	L.72	846/SS.1793	Angle	x 0.05	2.5	0.125	4:1	-
2	L.72	22	Butt strap	0.05	2.5	0.125	4:1	-
3	L.73	1102/SS.1793	Angle	0.05	2.5	0.25	6:1	-
4	L.72	26	Skin	0.1	2.5	0.25	6:1	103, 104
5	L.72	22	Reinforcing plate	0.05	2.5	0.25	6:1	-
6	L.72	22	Blanking plate	x 0.2	2.5	-	-	-
7	L.72	839/SS.1793	Angle	0.05	2.5	0.125	4:1	-
8	L.72	20	Angle	0.05	2.5	0.125	4:1	-
9	L.72	22	Doubling plate	x 0.05	2.5	0.25	6:1	-
10	L.72	379/SS.1793	Edge member	-	-	0.125	4:1	-
11	L.73	1204/SS.1793	Angle	0.05	2.5	0.125	4:1	-

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED



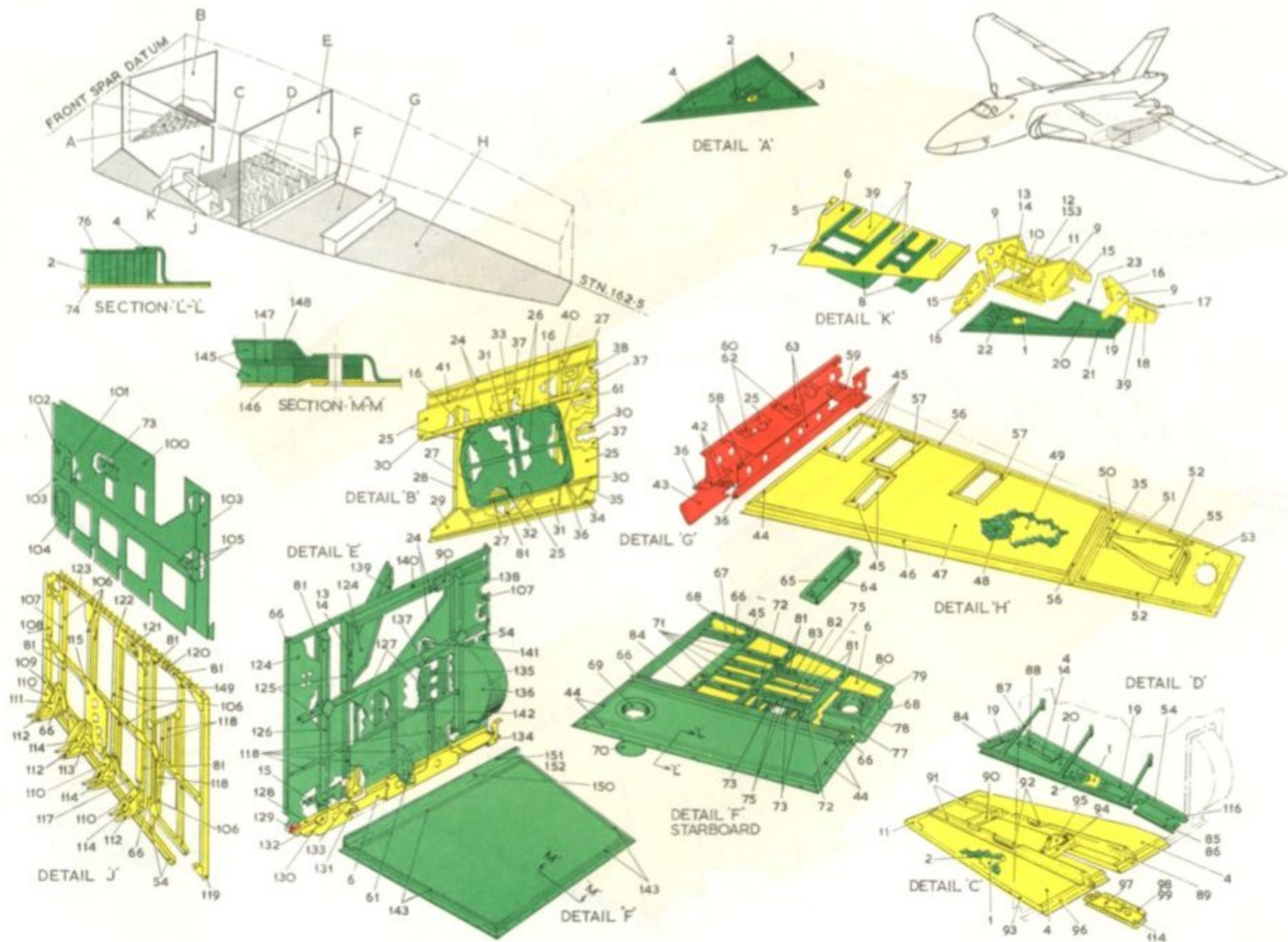


Fig. A326C Undercarriage bay - bulkheads and doors (Post Mod. 1200, 1206, 1300 and 1458)

RESTRICTED

KEY TO FIG. A326C (POST MOD. 1200, 1206, 1300 AND 1458)

Item	Material		Description	Negligible Damage				Repair Fig.		
	Spec.	S.W.G. or Section		Dents	Holes	Depth	Dist. Apart		Pitch Ratio	
1	L.72	26	Skin (outer)			0.1	2.5	-	-	102
2	L.72	SS.4275	Honeycomb			-	-	-	-	102
3	L.72	896/SS.1793	Frame member			-	-	0.125	4 : 1	-
4	L.72	24	Skin (inner)			0.2	2.0	0.125	4 : 1	102
5	L.73	14	Fairing			0.1	3.0	0.25	4 : 1	103,104
6	L.72	16	Skin			0.1	3.0	-	-	103,104
7	L.72	348/SS.1793	Channel			-	-	0.125	4 : 1	-
8	L.72	16	Panel			0.1	2.0	-	-	103
9	L.72	18	Intercostal			0.1	2.5	0.25	4 : 1	-
10	L.72	20	Stiffener			0.1	2.0	0.25	4 : 1	-
11	L.72	14	Plate			0.1	2.0	0.25	4 : 1	-
12	L.72	22	Pressing			-	-	0.125	4 : 1	-
13	L.72	AS.1878	Hinge	x	-	-	-	-	-	-
14	S.510	14	Hinge pin	x	-	-	-	-	-	-
15	L.72	18	Diaphragm			0.05	1.5	0.125	4 : 1	-
16	L.72	18	Angle			0.02	2.5	0.125	4 : 1	-
17	-	-	'P' Seal 31c/F.8663	x	-	-	-	-	-	341
18	L.72	20	Strip	x	-	-	-	-	-	-
19	L.72	19/SS.7000	Edge member			-	-	0.125	4 : 1	-
20	L.72	30	Skin (inner)			0.2	2.0	0.25	4 : 1	102
21	L.72	21/SS.7000	Edge member			-	-	0.125	4 : 1	-
22	L.72	5/SS.4275	Honeycomb			-	-	-	-	102
23	L.72	20/SS.7000	Edge member			-	-	0.125	4 : 1	-
24	L.72	385/SS.1793	Angle			-	-	0.125	4 : 1	-
25	L.72	24	Skin			0.1	2.5	0.25	4 : 1	-
26	L.72	18/SS.1793	Stiffener			-	-	0.125	4 : 1	-
27	L.72	192/SS.1793	Stiffener			-	-	0.125	4 : 1	-
28	L.73	236/SS.1793 or 458/SS.1793	Channel			-	-	0.125	4 : 1	-
29	L.72	14	Gusset plate			x 0.05	3.0	-	-	-
30	L.72	1093/SS.1793	Angle			-	-	0.125	4 : 1	-
31	L.72	20	Reinforcing plate			0.1	3.0	0.25	4 : 1	-
32	L.72	495/SS.1793	Channel			-	-	0.125	4 : 1	-
33	L.72	18	Gusset plate			x	-	-	-	-
34	L.65	251/SS.3075 or 531/SS.1793	Angle			-	-	0.125	4 : 1	-
35	L.72	18	Plate			x 0.05	3.0	0.125	4 : 1	-
36	L.72	20	Angle			-	-	0.125	4 : 1	-
37	L.72	22	Reinforcing skin			0.1	3.0	0.25	4 : 1	-
38	L.72	18	Reinforcing plate			x 0.1	3.0	0.25	4 : 1	-
39	D.T.D.626	16	Skin			0.1	3.0	-	-	103,104

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A326C (POST MOD. 1200, 1206, 1300 AND 1458 cont'd)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
				Depth				
40	L.73	16	Flanged plate	x0.05	3.0	-	-	-
41	L.73	20	Angle	-	-	0.125	4:1	-
42	L.72	16	Plate	-	-	0.125	8:1	-
43	L.72	14	Reinforcing plate	0.05	3.0	-	-	-
44	L.72	62/SS.7000	Edge member	-	-	0.125	4:1	-
45	L.72	20	Channel	-	-	0.125	4:1	-
46	L.72	61/SS.7000	Edge member	-	-	0.125	4:1	-
47	L.73	22	Inner skin	0.2	2.0	0.125	4:1	102
48	L.72	10/SS.4275	Honeycomb	-	-	-	-	102
49	L.73	24	Outer skin	0.1	2.5	-	-	102
50	L.73	585/SS.1793	Channel	-	-	0.125	4:1	-
51	L.73	18	Panel	0.1	2.5	-	-	103,104
52	L.72	1006/SS.1793	Reinforcing angle	-	-	0.125	4:1	-
53	L.73	18	Reinforcing plate	0.1	2.5	-	-	-
54	L.72	18	Angle	-	-	0.125	4:1	-
55	S.521	24	Intake	0.1	6.0	-	-	-
56	L.72	35/SS.7000	Edge member	-	-	0.125	4:1	-
57	S.520	20	Frame	-	-	0.125	4:1	-
58	L.72	12d/SS.1793	Angle	-	-	0.125	8:1	-
59	L.72	16	Packing	0.1	3.0	-	-	-
60	L.72	24	Diaphragm	-	-	-	-	-
61	L.72	20	Butt strap	0.1	3.0	0.125	4:1	-
62	L.72	22	Angle	0.02	2.0	0.125	4:1	-
63	L.72	24	Web	0.05	2.5	0.125	8:1	-
64	L.72	68/SS.1793	Angle	x0.1	2.0	0.25	4:1	-
65	L.72	18	Ramp	x0.1	2.0	0.25	4:1	-
66	L.72	16	Angle	-	-	0.125	4:1	-
67	L.72	16	Angle (Mod.649)	-	-	0.125	4:1	-
68	L.72	16	Edge member	-	-	0.125	4:1	-
69	L.72	20	Stiffener ring	0.05	-	-	-	-
70	L.72	20	Cover plate	x -	-	-	-	-
71	L.72	92/SS.1793	Stiffener	-	-	0.125	4:1	-
72	L.72	20	Intercostal	-	-	0.125	4:1	-
73	L.72	18	Channel	-	-	0.125	4:1	-
74	L.73	22	Outer skin	0.1	2.5	-	-	102
75	L.72	18	Intercostal	-	-	0.125	4:1	-
76	L.73	24	Inner skin	0.2	2.0	0.25	4:1	102
77	S.521	18	Side member	-	-	0.125	4:1	-
78	S.521	18	Ring	0.05	-	-	-	-
79	S.521	18	Plate	0.05	2.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

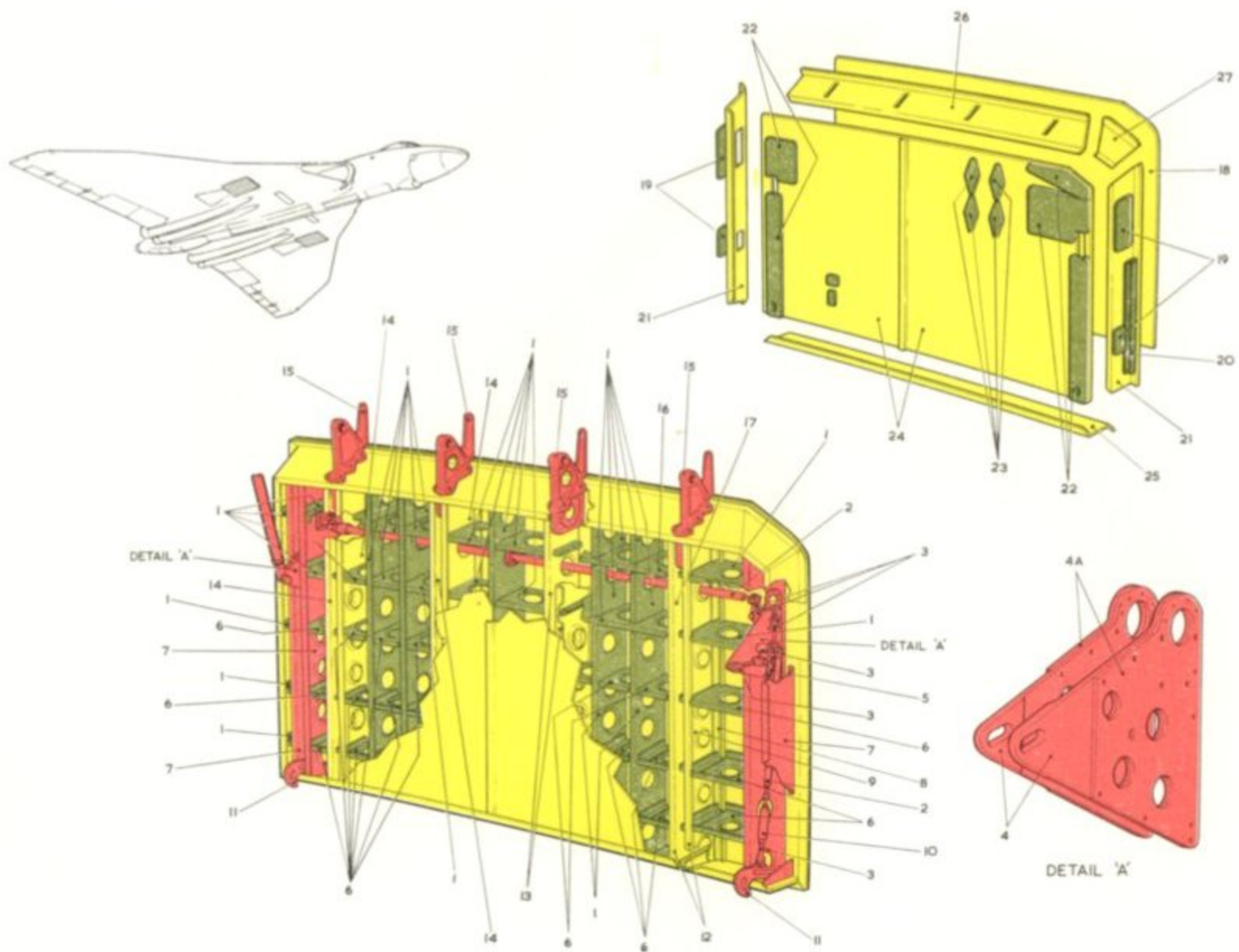


Fig. A327. Main undercarriage door
RESTRICTED

KEY TO FIG.A327

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Holes Dia.		
1	L.72	20	Intercostal	0.1	2.0	0.125	4 : 1	106,107
2	L.63	20	Connecting rod	* -	-	-	-	-
3	L.65	Bar	Link	* -	-	-	-	-
4	S.520	6	Jack rib plate (Mod.1737)	* -	-	-	-	-
4a	D.T.D.687	10	Jack rib plate (Mod.1737)	* -	-	-	-	-
5	-	12	Spring	* -	-	-	-	-
6	L.72	22	Intercostal	0.1	2.0	0.125	4 : 1	106,107
7	L.72	18	Jack rib	-	-	-	-	105,106,107
8	L.72	678/SS.1793	Angle	0.05	2.5	-	-	-
9	L.72	18	Web	0.05	2.5	-	-	-
10	S.61	-	Barrel	* -	-	-	-	-
11	S.80	-	Catch	* -	-	-	-	-
12	L.72	678/SS.1793	Angle	-	-	-	-	114
13	L.72	16	Hinge rib	0.05	2.5	-	-	105,106,107
14	L.72	18	Hinge rib	0.05	2.5	-	-	105,106,107
15	L.83	-	Hinge arm	* -	-	-	-	-
16	L.72	16	Intercostal	0.1	2.0	0.125	4 : 1	106
17	L.72	18	Web	0.05	2.5	-	-	-
18	L.73	20	Skin	-	-	-	-	103
19	L.72	16	Access door	x 0.1	2.0	0.25	4 : 1	-
20	-	1/SS.4143	Seal (Rubber)	-	-	-	-	341
21	L.72	18	Access door	x 0.1	2.0	0.25	4 : 1	-
22	L.72	20	Access panel	0.1	2.0	0.25	4 : 1	-
23	L.72	18	Gusset plate	x -	-	0.25	8 : 1	-
24	L.72	20	Skin	0.2	2.0	0.25	4 : 1	-
25	L.72	14	Frame member	0.1	2.0	0.25	4 : 1	-
26	L.72	18	Frame member	0.1	2.0	0.25	4 : 1	-
27	L.72	18	Frame member	0.2	2.0	0.25	4 : 1	-

* No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

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KEY TO FIG.A328 (POST MOD. 894 AND 1106)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	L.73	16	Web plate	-	-	-	-	103
2	L.73	1408/SS.1793	Stiffener	x 0.05	3.0	0.125	4 : 1	-
3	L.72	12a/SS.1793	Angle	-	-	-	-	-
4	L.73	16	Butt strap	-	-	-	-	-
5	L.73	20	Backing plate	-	-	-	-	-
6	L.73	1093/SS.1793	Stiffener	x 0.05	3.0	0.125	4 : 1	-
7	L.73	22	Doubling plate	-	-	-	-	-
8	L.65	620/SS.3075	Boom	* -	-	-	-	-
9	L.73	16	Patch plate	-	-	-	-	-
10	L.73	18	Web plate	-	-	-	-	-
11	L.72	24	Web plate	0.1	2.5	0.5	8 : 1	103
12	L.73	14	Tank angle	-	-	-	-	113
13	L.73	14	Channel	0.05	3.0	-	-	-
14	D.T.D.363	5/B.1824	Boom	* -	-	-	-	-
15	L.72	12	Web panel	0.05	3.0	-	-	-
16	L.73	579/SS.1793	Stiffener	x 0.05	3.0	0.25	4 : 1	-
17	D.T.D.687	17	Butt strap	-	-	-	-	-
18	L.72	17	Stiffening plate	x 0.1	2.5	0.25	4 : 1	-
19	L.72	20	Stiffening plate	0.1	2.5	0.25	4 : 1	-
20	D.T.D.687	18	Web panel	0.05	3.0	1.0	8 : 1	-
21	D.T.D.687	17	Web panel	0.05	3.0	1.0	8 : 1	-
22	L.72	20	Diaphragm	x 0.1	2.5	0.25	4 : 1	-
23	L.73	14	Angle	-	-	-	-	-
24	L.72	20	Angle	0.05	6.0	0.25	6 : 1	-
25	L.72	14	Angle	-	-	-	-	-
26	L.72	16	Angle	-	-	-	-	-
27	D.T.D.5054	302/SS.3075	'Z' stringer	-	-	-	-	111,347
28	D.T.D.5054	588/SS.3075	'T' stringer	-	-	-	-	110
29	D.T.D.5054	301/SS.3075	'T' stringer	-	-	-	-	110
30	L.65	-	Lifting block	x 0.02	-	-	-	-

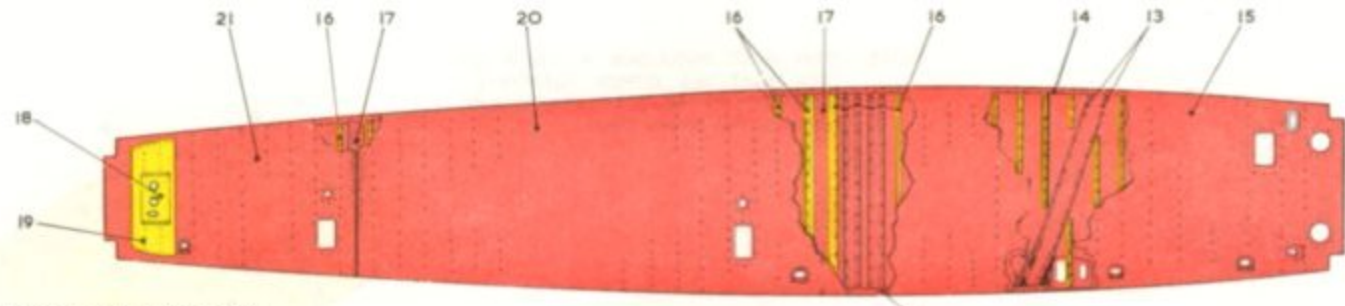
* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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NOTE-ALL STRINGERS NOT ANNOTATED
ARE AS ITEM 27

FOR SKINNING OF No. 3,4 AND 6
TANK BAYS SEE FIG. A328A

OUTBOARD U/C. RIB INBOARD FACE

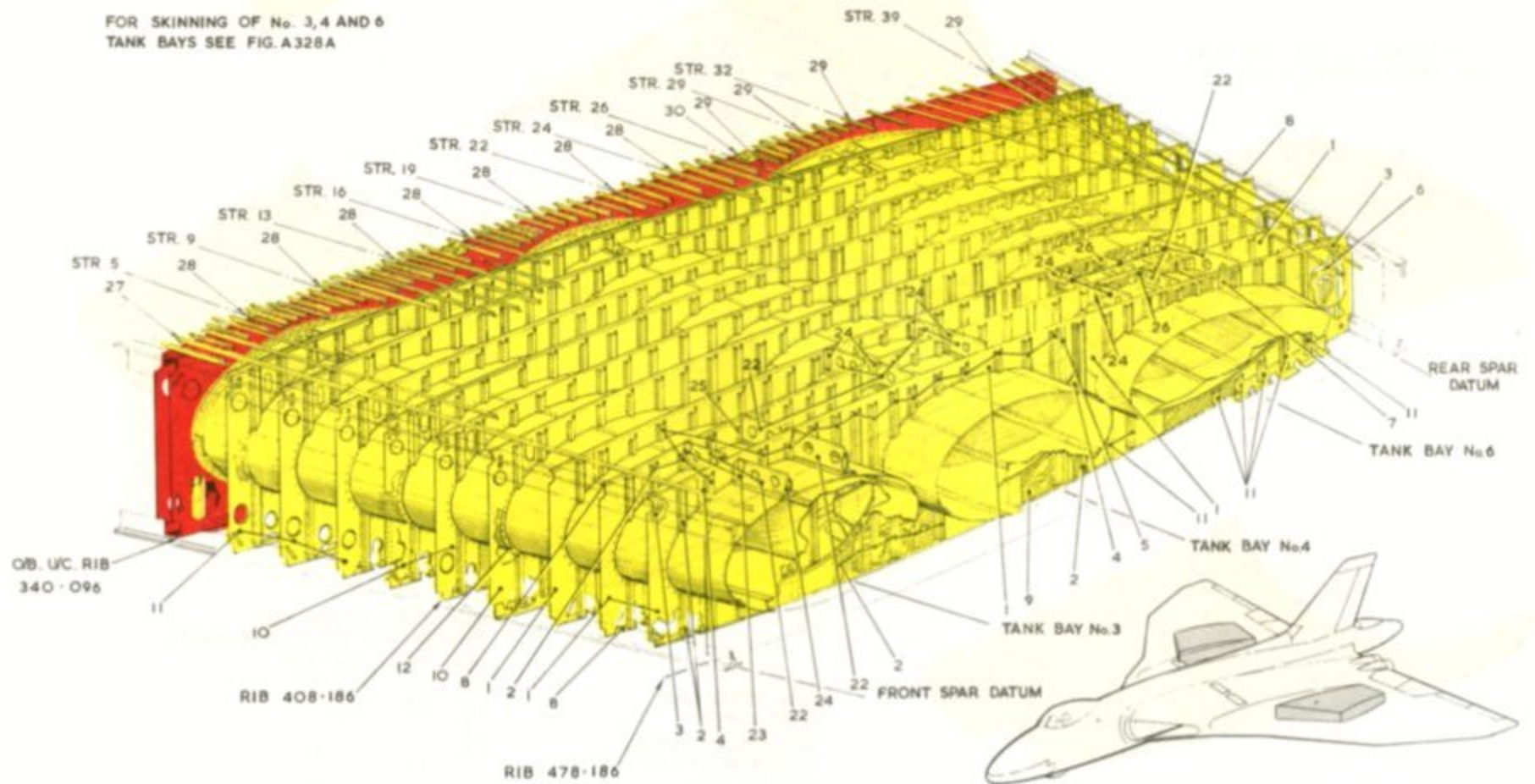


Fig.A 328 No. 3,4 and 6 Tank bays-structure (Post Mod. 894 and 1106)

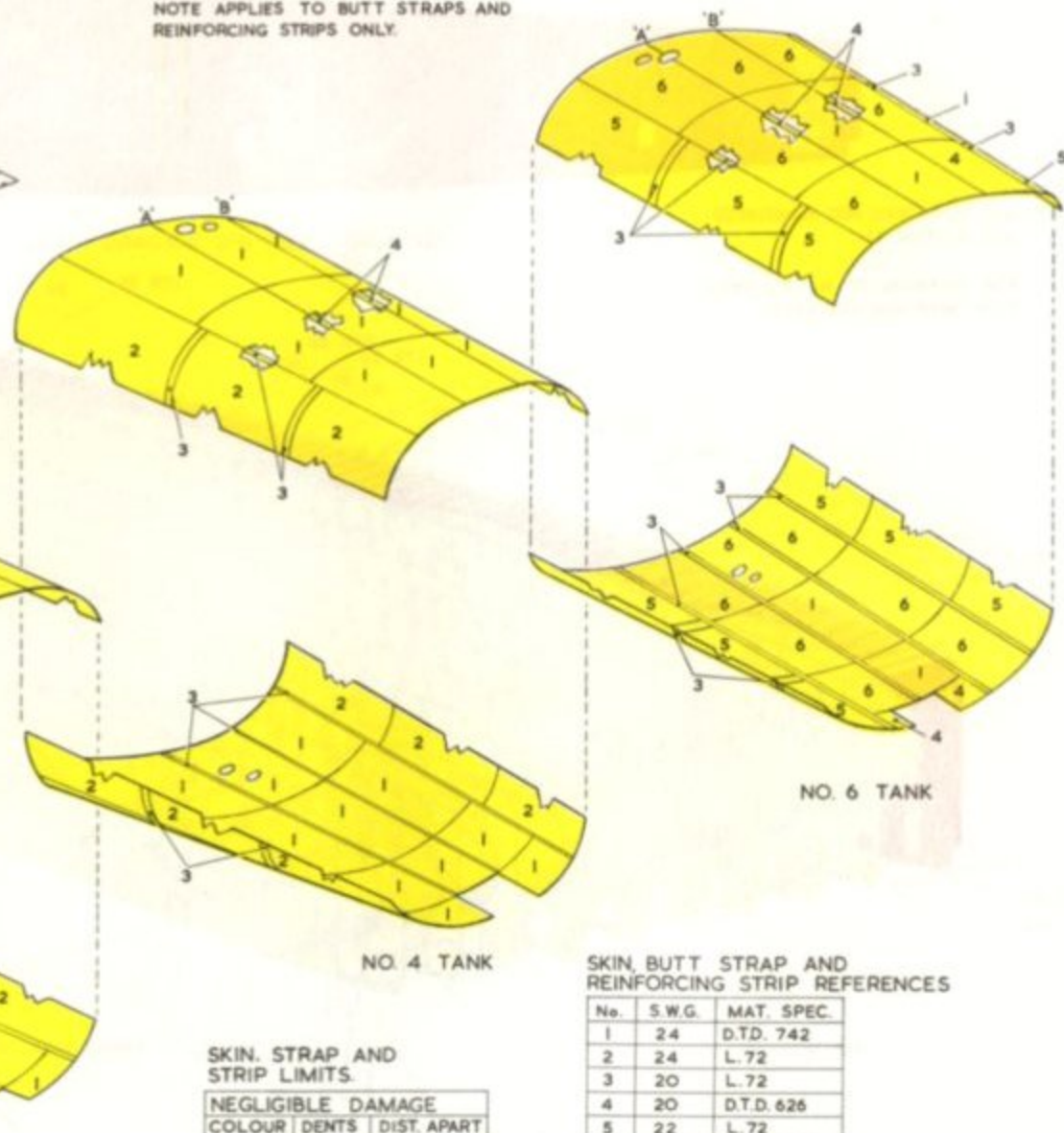
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NOTE :- ITEM 4 AT POSITIONS 'X' AND 'B' ONLY.
ITEM 3 AT ALL OTHER POSITIONS.
NOTE APPLIES TO BUTT STRAPS AND
REINFORCING STRIPS ONLY.



FOR REPAIRS TO DTD. 742 SKIN PANELS
SEE REPAIR LEAFLET C.4/1



NO. 6 TANK

NO. 4 TANK

NO. 3 TANK

SKIN, STRAP AND
STRIP LIMITS.

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
YELLOW	0-1 IN.	2-5 IN.

SKIN, BUTT STRAP AND
REINFORCING STRIP REFERENCES

No.	S.W.G.	MAT. SPEC.
1	24	D.T.D. 742
2	24	L. 72
3	20	L. 72
4	20	D.T.D. 626
5	22	L. 72
6	22	D.T.D. 742

Fig. A328A No. 3.4 and 6 tank bays-skinning (Post Mod. 1741)

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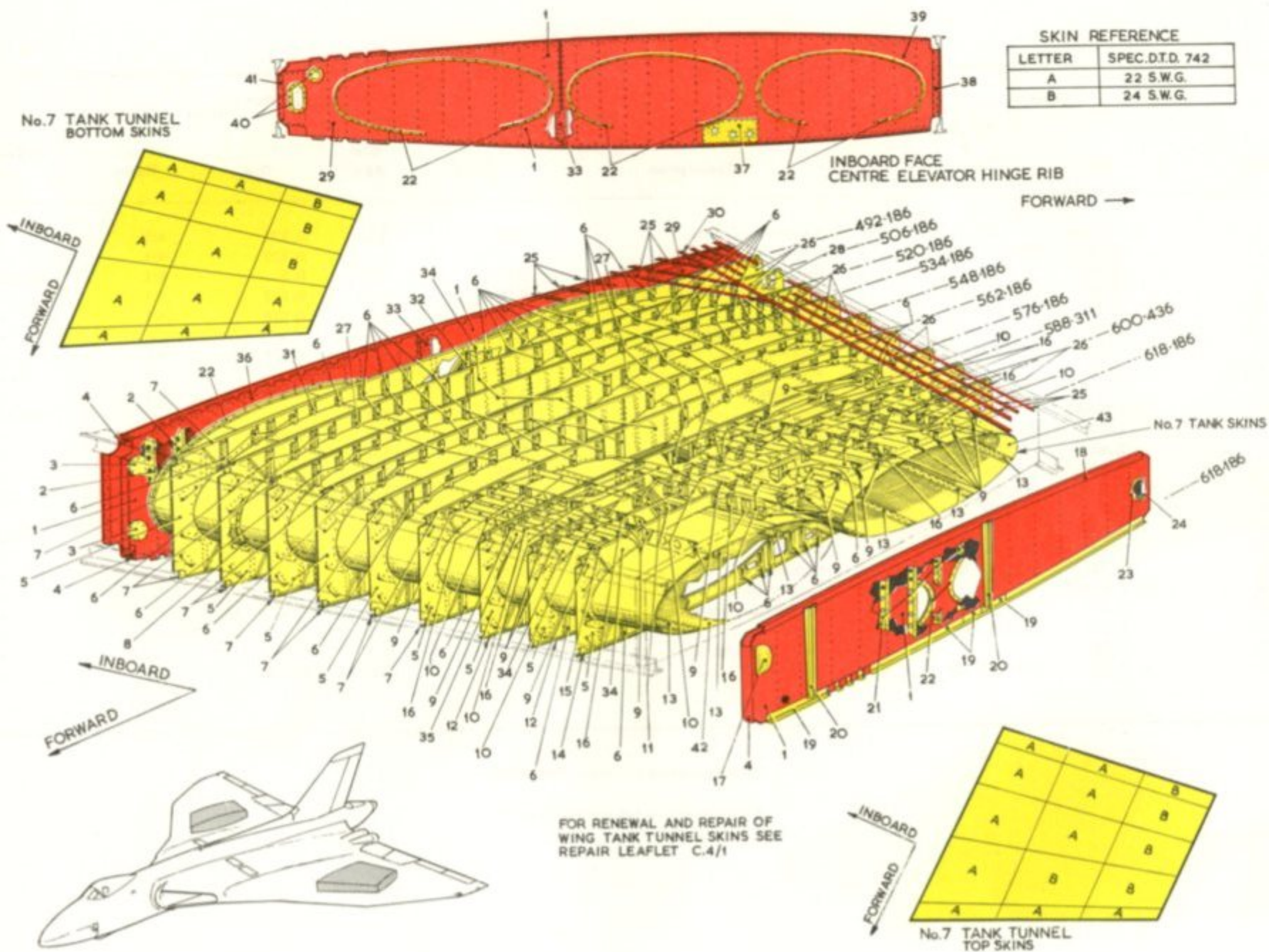


Fig. A328B No. 5 and 7 Tank bays (Post Mod. 894)

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KEY TO FIG. A 329

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	D. T.D. 687	10	Reinforcing strip	0.02	3.0	0.125	4:1	-
2	L. 73	997/SS.1793	Angle	-	-	0.125	4:1	-
3	L. 73	24	Web	0.1	2.5	0.5	8:1	103,104,106
4	L. 72	211/SS.1793	Stiffener	0.05	3.0	0.125	4:1	112
5	L. 73	995/SS.1793	Boom	0.02	8.0	0.125	4:1	-
6	L. 72	24	Stiffening plate	x 0.1	2.5	-	-	-
7	L. 72	91/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
8	L. 72	22	Butt strap	0.05	3.0	-	-	-
9	L. 72	379/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
10	D. T.D. 687	18	Web	0.05	3.0	-	-	103,104,106
11	L. 72	85/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
12	L. 65	324/SS.3075	Boom	0.02	3.0	-	-	-
13	L. 72	410/SS.1793	Stiffener	0.05	3.0	-	-	-
14	L. 72	183/SS.1793	Angle	0.05	3.0	0.125	4:1	113
15	L. 72	20	Bracket	x 0.02	-	-	-	-
16	D. T.D. 687	20	Web	0.05	3.0	-	-	103,104
17	L. 72	385/SS.1793	Stiffener	0.05	3.0	-	-	-
18	L. 72	613/SS.1793	Stiffener	0.05	3.0	-	-	-
19	D. T.D. 687	18	Joint plate	0.05	3.0	-	-	-
20	L. 73	12	Reinforcing plate	0.05	3.0	-	-	-
21	L. 72	521/SS.1793	Stiffener	0.05	3.0	-	-	-
22	L. 65	-	Boom reinforcing	0.02	3.0	-	-	-
23	L. 72	410/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A 329

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	D. T.D. 687	10	Reinforcing strip	0.02	3.0	0.125	4:1	-
2	L. 73	997/SS.1793	Angle	-	-	0.125	4:1	-
3	L. 73	24	Web	0.1	2.5	0.5	8:1	103,104,106
4	L. 72	211/SS.1793	Stiffener	0.05	3.0	0.125	4:1	112
5	L. 73	995/SS.1793	Boom	0.02	8.0	0.125	4:1	-
6	L. 72	24	Stiffening plate	x 0.1	2.5	-	-	-
7	L. 72	91/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
8	L. 72	22	Butt strap	0.05	3.0	-	-	-
9	L. 72	379/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
10	D. T.D. 687	18	Web	0.05	3.0	-	-	103,104,106
11	L. 72	85/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
12	L. 65	324/SS.3075	Boom	0.02	3.0	-	-	-
13	L. 72	410/SS.1793	Stiffener	0.05	3.0	-	-	-
14	L. 72	183/SS.1793	Angle	0.05	3.0	0.125	4:1	113
15	L. 72	20	Bracket	x 0.02	-	-	-	-
16	D. T.D. 687	20	Web	0.05	3.0	-	-	103,104
17	L. 72	385/SS.1793	Stiffener	0.05	3.0	-	-	-
18	L. 72	613/SS.1793	Stiffener	0.05	3.0	-	-	-
19	D. T.D. 687	18	Joint plate	0.05	3.0	-	-	-
20	L. 73	12	Reinforcing plate	0.05	3.0	-	-	-
21	L. 72	521/SS.1793	Stiffener	0.05	3.0	-	-	-
22	L. 65	-	Boom reinforcing	0.02	3.0	-	-	-
23	L. 72	410/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-

x More expedient to renew than repair

All dimensions are quoted in inches

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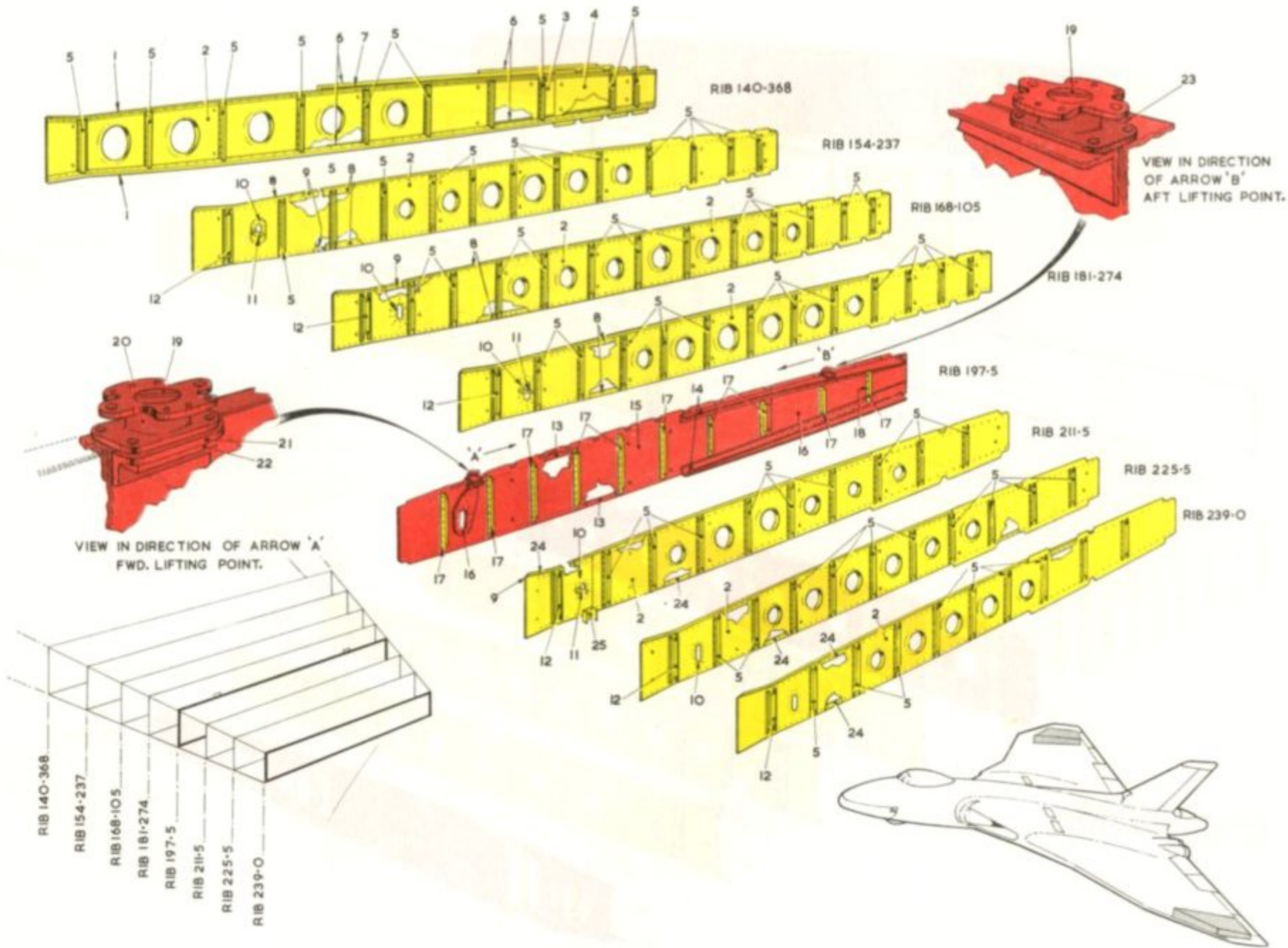


Fig. A329A Outboard wing structure

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.52, Jan.68

KEY TO FIG. A329A

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes	Pitch Ratio	
					Dist. Apart	Dia.		
1	L. 73	10	Boom	0.05	3.0	-	-	-
2	L. 73	24	Web	0.01	2.5	0.5	8:1	-
3	D. T.D. 687	22	Joint strap	x 0.05	3.0	-	-	103, 104, 106
4	D. T.D. 687	24	Web	0.1	2.5	-	-	-
5	L. 72	379/SS.1793	Stiffeners	0.05	3.0	0.125	4:1	-
6	L. 72	12	Reinforcing strip	0.05	3.0	-	-	-
7	L. 73	17	Packing	x 0.05	3.0	-	-	-
8	L. 73	995/SS.1793	Boom	0.05	3.0	-	-	-
9	L. 73	997/SS.1793	Reinforcing angle	0.05	3.0	-	-	-
10	L. 72	24	Stiffening plate	x 0.05	3.0	-	-	-
11	L. 72	20	Bracket	x 0.05	3.0	-	-	-
12	L. 72	211/SS.1793	Stiffener	0.05	3.0	0.125	4:1	112
13	L. 65	300/SS.3075	Boom	* 0.05	3.0	-	-	-
14	L. 65	300/SS.3075	Reinforcing angle	* 0.05	3.0	-	-	-
15	D. T.D. 687	18	Web	0.05	3.0	-	-	103, 104, 106
16	D. T.D. 687	16	Doubling plate	0.05	3.0	-	-	-
17	L. 72	966/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
18	L. 72	0.187	Packing	* -	-	-	-	-
19	L. 65	-	Plug	* -	-	-	-	-
20	S. 510	-	Block	* -	-	-	-	-
21	L. 65	-	Reinforcing angle	* -	-	-	-	-
22	L. 65	-	Packing	* -	-	-	-	-
23	S. 510	-	Block	* -	-	-	-	-
24	L. 73	996/SS.1793	Boom	0.05	3.0	-	-	-
25	L. 72	18	Plate	x 0.05	3.0	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG.A330 (PRE.MOD.1585)

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Holes Dia.		
1	L.72	20	Butt strap	-	-	0.125	8:1	-
2	L.73	12a/SS.1793	Boom	0.05	4.0	0.125	4:1	113
3	L.72	60/SS.1793	Stiffener	0.05	3.0	0.125	4:1	113
4	L.73	20	Reinforcing strip	x 0.02	4.0	0.125	4:1	-
5	L.72	20	Bracket	x -	-	0.125	6:1	-
6	L.72	20	Web	0.1	2.5	0.25	8:1	103,104,106
7	D.T.D.687	20	Stringer	-	-	0.125	4:1	-
8	L.72	20	Angle	0.05	3.0	0.125	4:1	113
9	D.T.D.687	20	Stringer	0.02	3.0	0.125	4:1	-
10	L.72	785/SS.1793	Stiffener	0.05	3.0	0.125	4:1	-
11	L.73	24	Web	0.1	2.5	0.2	8:1	103,104
12	L.72	20	Web	0.1	2.5	0.3	8:1	103,104
13	L.72	18	Strip	0.1	2.5	-	-	-
14	L.72	16	Packing	0.1	2.5	0.25	4:1	-
15	D.T.D.687	582/SS.1793	Stringer	0.02	3.0	0.125	4:1	-
16	L.72	13b/SS.1793	Angle	0.05	3.0	0.125	4:1	113
17	L.72	20	Diaphragm	0.1	2.5	0.3	8:1	103,104
18	L.73	18	Boom	0.05	3.0	0.125	8:1	-
19	L.72	16	Bracket	0.1	2.5	0.5	4:1	-
20	L.72	20	Reinforcing plate	0.1	2.5	0.125	4:1	-
21	L.72	20	Angle	0.05	2.5	0.125	4:1	-
22	L.72	12a/SS.1793	Angle	0.05	3.0	0.125	4:1	113
23	L.72	18	Plate	0.1	2.5	0.25	8:1	-
24	L.72	20	Bracket	x -	-	-	-	-
25	L.72	20	Boom	-	-	0.125	4:1	-
26	L.72	20	Web	0.1	2.5	0.2	8:1	103,104
27	L.72	18	Diaphragm	0.1	2.5	0.2	8:1	103,104
28	L.72	20	Plate	0.1	2.5	0.2	8:1	-
29	L.72	785/SS.1793	Angle	x 0.1	2.5	-	-	-
30	L.72	20	Diaphragm	0.1	2.5	0.2	8:1	103,104
31	L.72	22	Packing	0.1	2.5	0.25	4:1	-
32	B.S.S.668	-	Block	0.1	2.5	-	-	-
33	L.72	20	Angle	-	-	0.125	4:1	-
34	L.72	22	Angle	0.05	2.5	0.125	4:1	-
35	L.73	20	Boom	0.05	2.5	0.125	4:1	-
36	L.73	18	Butt strap	-	-	0.125	8:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

continued/

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KEY TO FIG. A330 (PRE-MOD.1585 cont'd.)

Item	Material		Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
37	L. 72	585/SS.1793	Stiffener	x 0.1	2.5	0.125	4:1	-
38	L. 73	20	Reinforcing web	0.1	2.5	0.2	8:1	-
39	L. 72	20	Channel	0.05	2.5	-	-	108
40	L. 72	12a/SS.1793	Angle	-	-	0.125	4:1	-
41	L. 72	20	Boom	0.02	3.0	0.125	8:1	-
42	L. 73	20	Intercostal	0.05	3.0	0.125	8:1	-
43	L. 72	12a/SS.1793	Angle	0.02	3.0	0.125	8:1	113
44	L. 72	20	Web	0.05	3.0	-	-	103,104
45	L. 73	12c/SS.1793	Boom	0.05	3.0	0.2	8:1	-
46	L. 72	14	Bracket	x 0.02	3.0	-	-	-
47	L. 73	16	Angle	-	-	0.125	8:1	-
48	D. T. D. 687	18	Web	0.05	3.0	-	-	103,104
49	L. 73	24	Web	0.05	3.0	0.2	8:1	-
50	L. 73	18	Angle	0.05	3.0	0.125	8:1	113
51	D. T. D. 687	582/SS.1793	Stringer	-	-	0.125	4:1	-
52	L. 73	1096/SS.1793	Boom	0.02	3.0	0.125	8:1	-
53	D. T. D. 687	20	Plate	0.05	3.0	0.125	8:1	-
54	D. T. D. 687	14	Ring	x 0.05	3.0	0.125	8:1	-
55	D. T. D. 683	-	Forging	*	-	-	-	-
56	L. 73	22	Web	0.1	2.5	0.25	8:1	103,104
57	D. T. D. 687	20	Web	0.05	3.0	-	-	103,104
58	L. 72	20	Bracket	x 0.1	2.5	0.25	4:1	-
59	L. 73	20	Boom	0.05	4.0	0.125	4:1	-
60	L. 72	786/SS.1793	Stiffener	x 0.05	3.0	0.125	4:1	-
61	L. 72	18	Skin	0.1	2.5	-	-	-
62	D. T. D. 5544	0.187	Cover	0.2	2.5	-	-	-
63	L. 73	16	Skin	0.1	2.5	-	-	103,104
64	L. 72	20	Skin	0.1	2.5	-	-	103,104
65	L. 72	16	Panel	x 0.1	2.5	-	-	-
66	L. 72	14	Panel	0.1	2.5	-	-	103,104
67	D. T. D. 797	-	Panel	0.2	2.5	-	-	-
68	L. 73	20	Skin	0.1	2.5	-	-	103,104

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

RESTRICTED

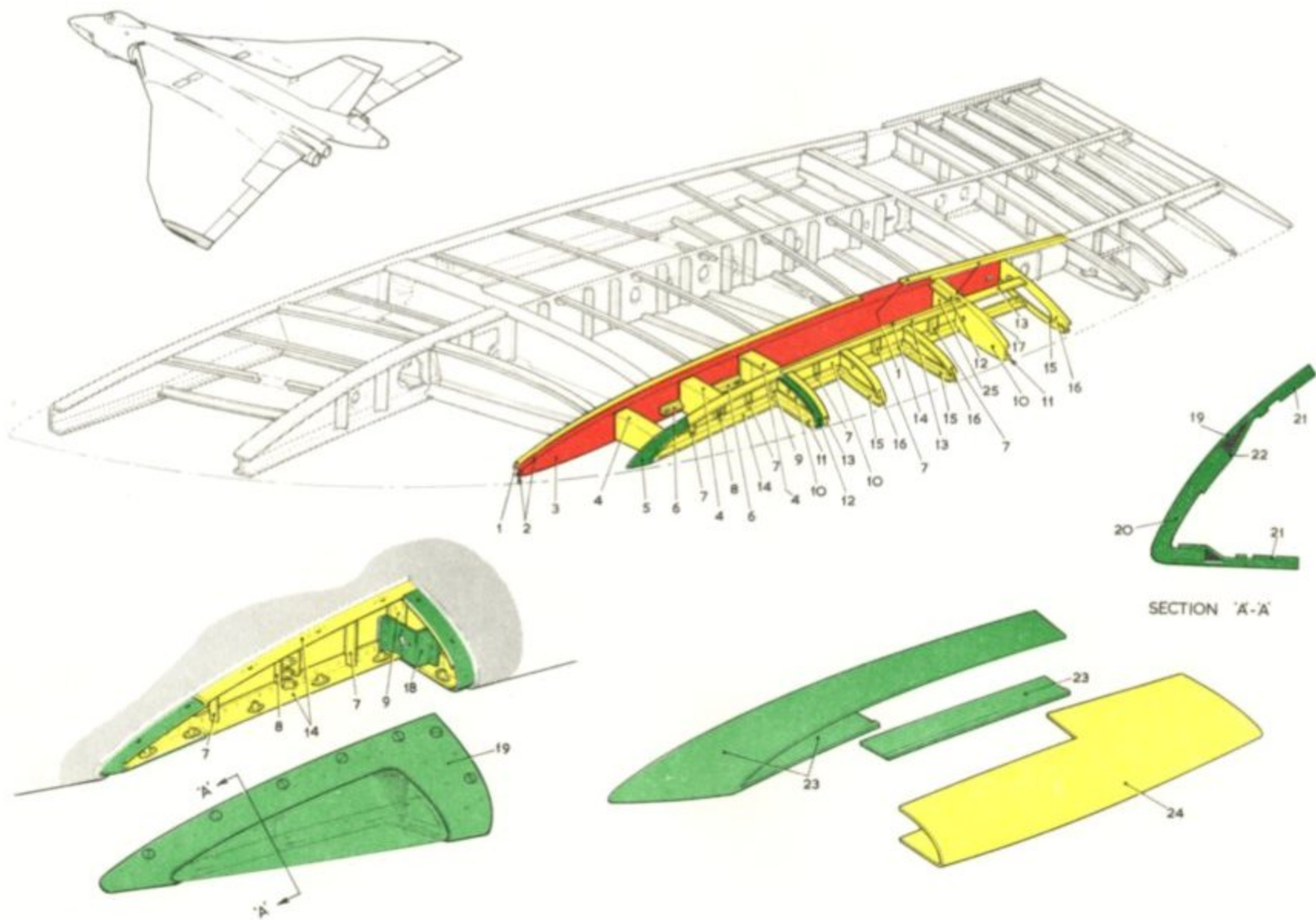


Fig. A330A. Outboard wing tip (Post Mod.1585)
RESTRICTED

KEY TO FIG.A330A (POST MOD.1585)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	L.72	15	Packing	0.1	2.5	0.25	4:1	-
2	L.73	18	Boom	0.05	3.0	0.125	8:1	-
3	L.73	20	Web	0.05	3.0	-	-	103,104
4	D.T.D.5518	-	Diaphragm - Fibre glass	0.05	3.0	0.125	8:1	-
5	L.72	18	End piece	0.1	2.5	-	-	-
6	B.S.267	18	Angle	x -	-	-	-	-
7	L.72	22	Stiffener	x 0.05	3.0	0.125	4:1	-
8	L.72	20	Channel	0.02	3.0	-	-	-
9	L.72	18	Stiffener	0.02	3.0	-	-	-
10	L.72	20	Web	0.1	2.5	0.3	8:1	103,104
11	L.72	20	Angle	0.05	3.0	0.125	4:1	113
12	L.72	18	Doubling strip	0.1	2.5	0.25	4:1	-
13	L.72	0.1	Packing	0.1	2.5	0.25	4:1	-
14	L.73	18	Boom	0.05	4.0	0.125	4:1	-
15	L.72	12a/SS.1793	Angle	0.05	3.0	0.125	4:1	113
16	L.72	20	Diaphragm	0.1	2.5	0.3	8:1	103,104
17	L.72	12	Packing	0.1	2.5	0.25	4:1	-
18	L.72	20	Bracket	0.1	2.5	0.25	4:1	-
19	L.72	20	Frame	0.1	2.5	-	-	-
20	D.T.D.838A	-	Window - Perspex	0.2	2.5	-	-	-
21	D.T.D.552	Grade A	Strip	x -	-	-	-	-
22	B.S.899	20	Inner frame	0.1	2.5	-	-	-
23	D.T.D.5518	-	Panel - Fibre glass	0.2	2.5	-	-	-
24	L.72	20	Skin	0.1	2.5	-	-	103,104
25	L.72	16	Web	0.1	2.5	0.2	8:1	-

x More expedient to renew than repair

All dimensions are quoted in inches

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KEY TO FIG. A331

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	D. T. D. 5054	-	Bracket	-	-	-	-	-
2	L. 77	10B. 1868	Boom	* -	-	-	-	-
3	L. 72	16	Angle	0.05	3.0	0.125	4:1	114
4	D. T. D. 5054	-	Bracket	* -	-	-	-	-
5	L. 72	16	Angle	-	-	-	-	114
6	S. 514	18	Angle	-	-	-	-	-
7	D. T. D. 687	14	Joint plate	* -	-	-	-	-
8	D. T. D. 687	14	Web	0.025	6.0	-	-	103,104
9	L. 72	16	Bracket	0.05	6.0	-	-	-
10	S. 514	16	Angle	-	-	-	-	-
11	L. 72	18	Bracket	0.05	3.0	-	-	-
12	L. 72	20	Angle	0.05	3.0	0.125	4:1	114
13	L. 72	12	Angle	0.05	6.0	0.125	6:1	-
14	L. 77	18B. 1868	Boom	* -	-	-	-	-
15	D. T. D. 5074	3B. 1868	Boom	* -	-	-	-	-
16	L. 72	16	Bracket	-	-	-	-	-
17	D. T. D. 687	12	Joint plate	* -	-	-	-	-
18	S. 96	-	Shackle	* -	-	-	-	-
19	L. 72	12	Angle	-	-	-	-	-
20	D. T. D. 687	12	Web	0.025	6.0	-	-	103,104
21	L. 77	-	Bracket	* -	-	-	-	-
22	D. T. D. 687	12	Angle	-	-	-	-	-
23	S. 99	-	Bearing plate	* -	-	-	-	-
24	L. 72	26	Bearing plate	* -	-	-	-	-
25	L. 72	8	Angle	-	-	-	-	-
26	D. T. D. 687	13	Reinforcing plate	* -	-	-	-	-
27	D. T. D. 5054	-	Bracket	* -	-	-	-	-
28	L. 72	389/SS. 1793	Channel	x -	-	-	-	-
29	L. 72	18	Channel	x 0.05	3.0	0.125	4:1	-
30	L. 77	304/SS. 3075	Angle	-	-	-	-	-
31	D. T. D. 687	10	Joint strap	-	-	-	-	-
32	L. 72	16	Channel	x -	-	-	-	-
33	L. 72	18	Angle	0.05	3.0	0.125	4:1	-
34	L. 72	18	Bracket	-	-	-	-	-

- * No repairs permitted
x More expedient to renew than repair
All dimensions are quoted in inches

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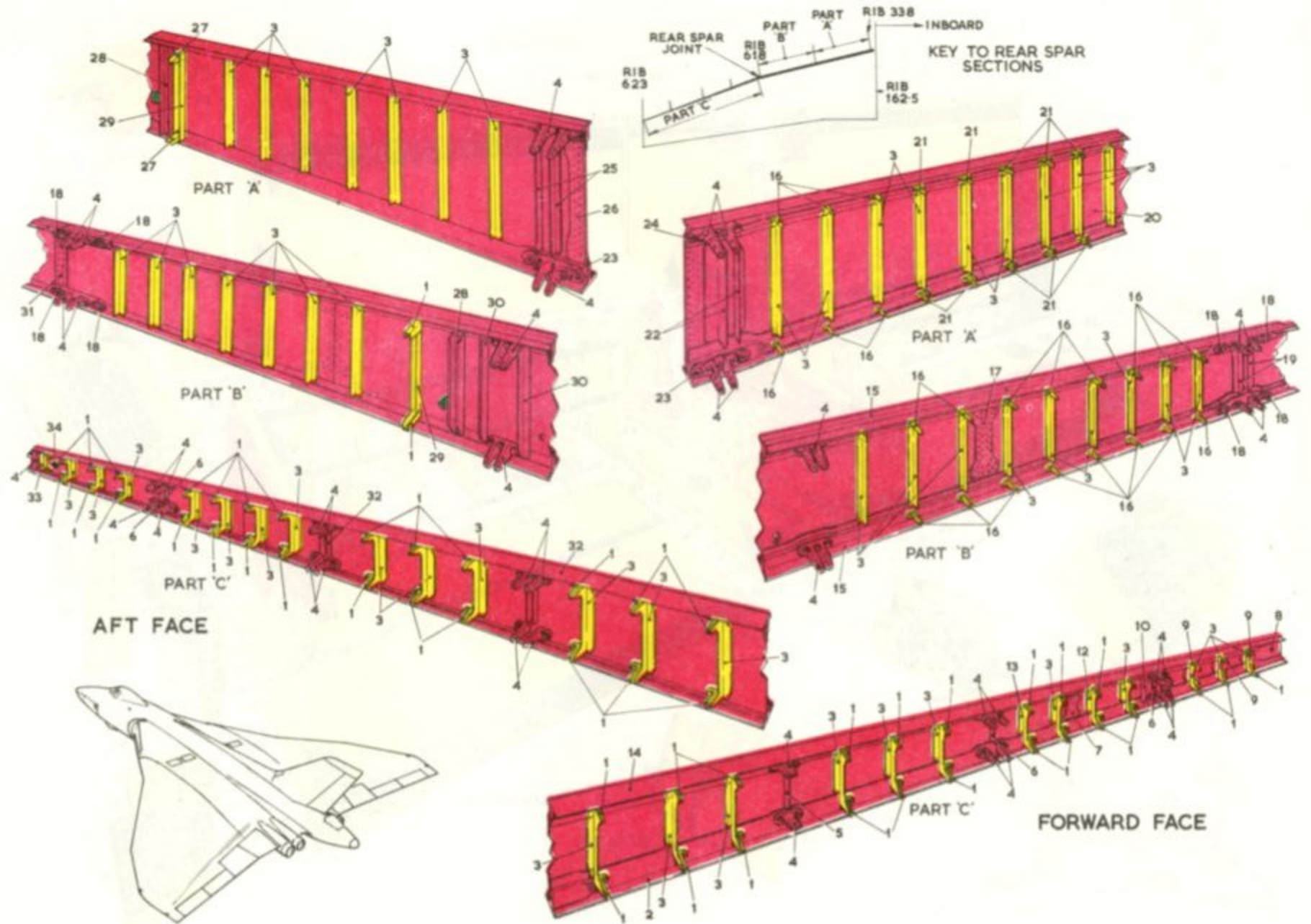


Fig. A331 Rear spar outer wing

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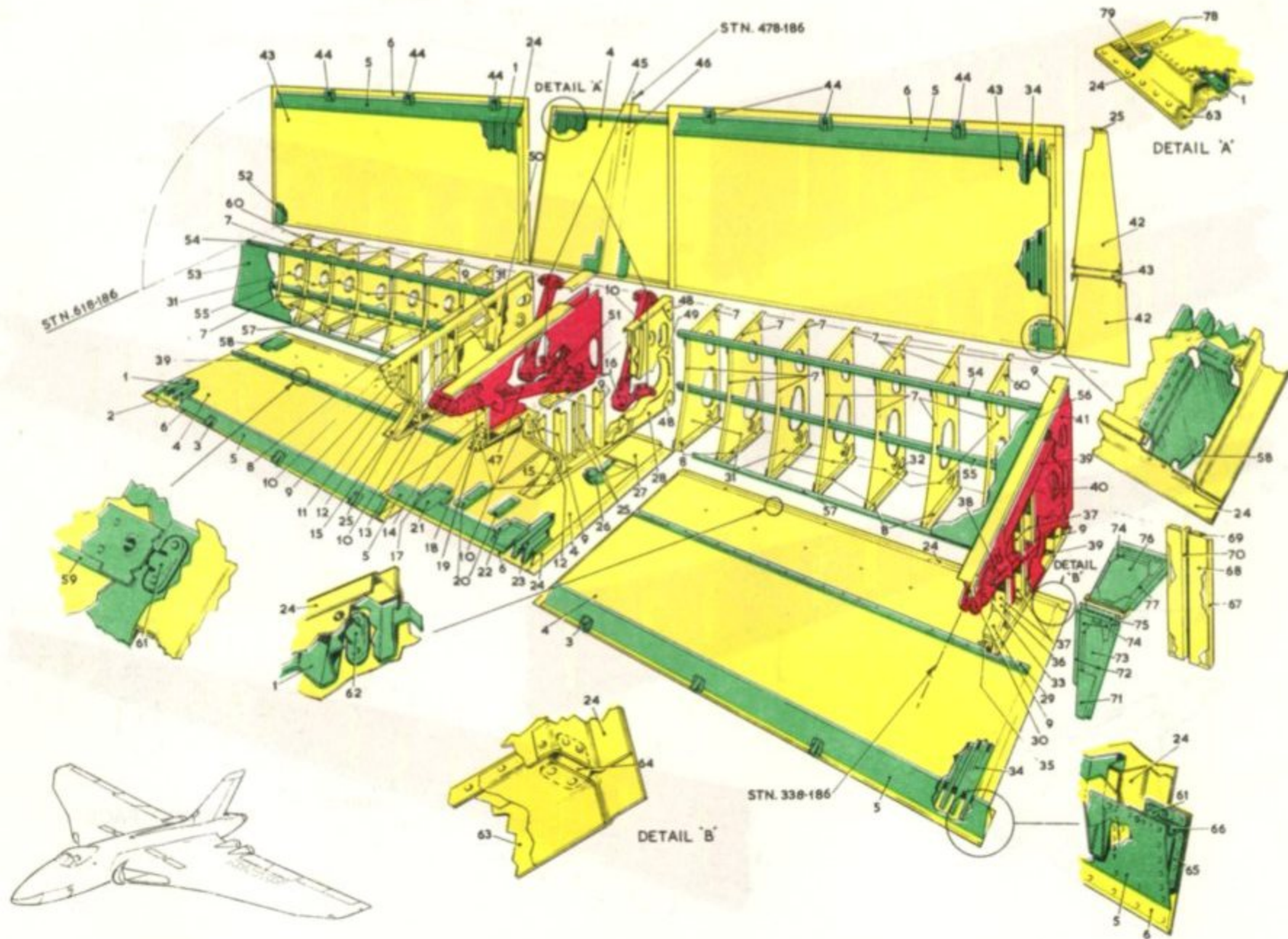


Fig. A 331A. Trailing edge structure - inboard portion

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KEY TO FIG. A331A

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes	Holes		
				Depth	Dist. Apart	Dia.		
1	L.72	SS.4132	Corrugation	0.1	2.5	-	-	-
2	L.72	18	Butt strap	x 0.05	8.0	0.25	8:1	-
3	BSS.663	Tufnol	Rubbing block	* -	-	-	-	-
4	L.72	22	Skin - Inner	0.2	2.0	0.125	4:1	351C, 351D.
5	L.72	18	Member	-	-	0.125	4:1	-
6	D.T.D. 259A	383/SS.3075	Extrusion	* -	-	0.125	4:1	-
7	L.72	247/SS.1793	Angle	0.1	2.5	-	-	-
8	L.72	732/SS.1793	Angle	0.1	2.5	-	-	-
9	L.72	20	Channel	-	-	0.25	4:1	-
10	L.72	18	Channel	-	-	0.25	4:1	-
11	L.72	20	Reinforcing plate	0.1	2.5	-	-	-
12	L.72	18	Angle bracket	x 0.1	2.5	-	-	-
13	L.65	-	Hinge bracket	* -	-	-	-	-
14	L.72	20	Web	0.05	3.0	-	-	103
15	L.72	413/SS.1793	Channel	-	-	0.25	4:1	-
16	S.96	-	Housing	* -	-	-	-	-
17	L.72	18	Channel	0.1	2.5	0.25	4:1	-
18	L.72	18	Angle	x 0.1	2.5	-	-	-
19	L.72	18	Bracket	x 0.1	2.5	-	-	-
20	L.59	-	Dishing	x 0.1	-	0.25	4:1	-
21	L.72	20	Plate	x 0.1	-	0.25	4:1	-
22	L.72	20	Bracket	x 0.1	-	0.25	4:1	-
23	L.72	SS.4133	Corrugation	0.1	2.5	-	-	-
24	L.72	18	Member	-	-	0.25	4:1	-
25	L.72	12a/SS.1793	Stiffener	0.1	2.5	-	-	113
26	L.59	20	Intake	x 0.05	2.0	-	-	-
27	L.72	18	Reinforcing plate	x 0.1	-	0.25	4:1	-
28	L.72	20	Web	0.1	2.5	0.25	4:1	103
29	L.72	746/SS.1793	Stiffener	0.1	2.0	0.25	4:1	-
30	L.72	15/SS.1793	Channel	0.1	2.5	0.25	4:1	-
31	L.72	20	Web	0.1	2.5	0.5	8:1	103, 106
32	L.72	20	Gusset	0.1	2.5	0.125	4:1	-
33	L.65	-	Hinge bracket	* -	-	-	-	-
34	L.72	SS.4131	Corrugation	0.1	2.5	-	-	-
35	L.72	20	Angle	x 0.1	2.5	-	-	-
36	L.72	18	Angle	0.1	2.5	-	-	-
37	L.72	20	Member	-	-	0.25	4:1	-
38	L.65	-	Stiffener	0.1	2.5	0.25	4:1	-
39	L.65	311/SS.3075	Channel	0.05	3.0	-	-	-
40	L.72	20	Angle	0.05	3.0	0.125	4:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches.

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KEY TO FIG. A331A (Cont'd)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
41	L.72	20	Web	0.05	3.0	-	-	103
42	L.72	20	Skin	0.1	2.5	-	-	103
43	L.72	20	Skin	0.2	2.0	0.125	4:1	103
44	BSS.663	Tufnol	Rubbing block	* -	-	-	-	-
45	D.T.D.5054	-	Forging	* -	-	-	-	-
46	L.72	18	Member	0.1	2.5	0.125	4:1	-
47	D.T.D.5074	-	Channel	0.05	3.0	-	-	-
48	L.72	16	Gusset	* 0.1	2.5	0.125	4:1	-
49	L.72	20	Plate	0.1	2.5	0.125	4:1	103
50	L.72	66/SS.1793	Angle	0.1	2.5	-	-	-
51	L.65	351/SS.3075	Channel	0.5	3.0	-	-	-
52	L.72	20	Bracket	x 0.1	-	0.25	4:1	-
53	L.72	26	Shroud	0.2	2.0	-	-	-
54	L.72	741/SS.1793	Angle	0.1	2.5	-	-	-
55	L.72	133/SS.1793	Stiffener	0.1	2.5	-	-	-
56	L.72	20	Shroud	0.2	2.0	-	-	-
57	L.72	739/SS.1793	Angle	0.1	2.5	-	-	-
58	L.72	20	Bracket	x 0.1	-	0.25	4:1	-
59	L.72	764/SS.1793	Angle	0.1	2.0	0.25	4:1	-
60	L.72	20	Gusset	x 0.1	2.5	0.125	4:1	-
61	T.36	17	Distance piece	x -	-	-	-	-
62	S.510	16	Distance piece	x -	-	-	-	-
63	L.72	22	Skin - Outer	0.1	2.5	-	-	351C, 352, 353
64	L.72	13b/SS.1793	Angle	x -	-	-	-	-
65	L.72	22	Stiffener	x -	-	-	-	-
66	L.72	20	Channel	x -	-	-	-	-
67	L.72	112/SS.1793	Angle	-	-	0.125	4:1	-
68	L.72	20	Plate	0.1	2.5	0.25	4:1	103
69	L.72	620/SS.1793	Angle	x -	-	-	-	-
70	L.72	362/SS.1793	'Top hat' section	-	-	0.125	4:1	-
71	L.72	20	Gusset	0.2	2.0	-	-	-
72	L.72	20	Channel	-	-	0.125	4:1	-
73	L.72	20	Skin	0.2	2.0	-	-	-
74	L.72	20	Gusset	x -	-	-	-	-
75	L.72	SS.4138	Hinge	* -	-	-	-	-
76	L.72	20	Skin	0.2	2.0	-	-	-
77	L.72	20	'Z' member	-	-	0.125	4:1	221
78	L.72	20	Shroud	0.05	2.0	0.25	4:1	-
79	L.72	18	Channel	-	-	0.25	4:1	-

* No repairs permitted.

x More expedient to renew than repair.

All dimensions are quoted in inches.

KEY TO FIG.A331B (POST MOD.502)

Item	Material		Description	Dents		Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Depth	Dist. Apart	Dia.	Holes		
1	D.T.D.687	22	Web	0.1	3.0	0.25	8 : 1	-	
2	L.72	20	Lipped angle	0.05	3.0	0.125	8 : 1	-	
3	L.72	385/SS.1793	Lipped angle	0.05	3.0	0.125	8 : 1	-	
4	L.72	18	Stiffening plate	0.1	3.0	0.25	8 : 1	-	
5	L.72	16	Packing	0.1	3.0	0.5	4 : 1	-	
6	L.77	-	Hinge bracket	*	-	-	-	-	
7	L.72	20	Bracket	0.05	3.0	0.25	8 : 1	-	
8	L.65	-	Boom	*	-	-	-	-	
9	D.T.D.687	10	Web	0.05	6.0	0.25	8 : 1	-	
10	L.72	14	Reinforcing strip	0.05	6.0	0.25	8 : 1	-	
11	L.72	20	Angle	0.05	3.0	0.125	8 : 1	114	
12	L.72	26	Shroud	0.1	3.0	0.25	8 : 1	-	
13	L.72	20	Plate	0.05	3.0	0.25	8 : 1	103	
14	S.510	20	Angle	0.05	3.0	0.12	8 : 1	-	
15	L.72	16	Bracket	0.05	3.0	0.125	8 : 1	-	
16	L.72	20	Web	0.1	3.0	0.5	4 : 1	103	
17	L.72	18	Web	0.1	3.0	0.5	4 : 1	-	
18	L.72	18	Extension piece	0.1	3.0	0.5	4 : 1	-	
19	L.72	18	Joint plate	0.1	3.0	0.25	8 : 1	-	
20	L.72	20	Angle	0.1	3.0	0.125	8 : 1	114	
21	L.72	18	Fairing (detachable)	0.1	3.0	-	-	-	
22	L.72	20	Butt strap	0.1	3.0	-	-	-	
23	L.72	20	Doubling plate	0.1	3.0	-	-	-	
24	L.72	20	Diaphragm	0.1	3.0	0.5	4 : 1	-	
25	L.59	18	Intake	0.1	3.0	-	-	-	
26	L.72	20	Fairing	0.1	3.0	-	-	-	
27	L.72	18	Angle	0.1	3.0	0.25	8 : 1	-	
28	L.72	24	Stiffening plate	0.05	3.0	0.25	8 : 1	-	
29	L.72	24	Web	0.05	3.0	0.25	8 : 1	-	
30	L.73	22	Angle	0.05	3.0	0.25	8 : 1	-	
31	L.72	12b/SS.1793	Backing angle	0.05	3.0	0.125	8 : 1	-	
32	L.72	16	Angle	0.05	3.0	0.125	8 : 1	114	
33	L.72	16	Stiffening plate	0.05	3.0	0.25	8 : 1	-	
34	D.T.D.5054	-	Attachment bracket	*	-	-	-	-	
35	L.83	0.06 in.	Shim	-	-	0.25	8 : 1	-	
36	L.83	-	Stiffening block	0.05	-	0.5	8 : 1	-	
37	L.72	18	Angle	0.025	3.0	-	-	-	
38	L.72	18	Angle	0.05	3.0	0.125	8 : 1	-	
39	L.72	18	Web	0.025	3.0	0.125	8 : 1	-	
40	L.65	74/SS.3075	Angle	0.025	3.0	0.125	8 : 1	-	
41	L.72	18	Bracket	0.025	3.0	0.25	8 : 1	-	
42	L.72	20	Bracket	0.025	3.0	0.25	8 : 1	-	
43	L.72	22	Reinforcing skin	0.05	3.0	0.25	8 : 1	-	
44	L.72	1101/SS.1793	Stringer 'Z' section	0.05	3.0	0.125	8 : 1	-	

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG.A331B (POST MOD.502 Cont'd.)

Item	Material Spec.	S.W.G. or Section	Description	Dents		Negligible Damage Holes		Pitch Ratio	Repair Fig.
				Depth	Dist. Apart	Dia.			
45	L.72	20	Shim	0.05	3.0	-	-	-	-
46	L.72	14	Angle	x 0.05	3.0	-	-	-	-
47	L.72	20	Skin	0.05	3.0	-	-	-	103
48	L.65	-	Hinge bracket	-	-	-	-	-	-
49	L.72	20	Channel	0.025	3.0	-	-	-	-
50	D.T.D.687	20	Reinforcing plate	0.025	3.0	0.25	8 : 1	-	-
51	L.72	22	Stiffener	x 0.05	3.0	0.25	8 : 1	-	-
52	L.72	24	Web	0.05	3.0	0.125	8 : 1	-	-
53	L.72	20	Bracket	x 0.05	3.0	-	-	-	-
54	L.73	20	Reinforcing angle	0.05	3.0	0.125	8 : 1	-	-
55	L.73	410/SS.1793	Stiffener	x 0.05	3.0	-	-	-	-
56	L.72	18	Bracket	x -	-	-	-	-	-
57	D.T.D.687	18	Web	0.05	3.0	0.125	8 : 1	-	-
58	L.72	12b/SS.1793	Angle	0.05	3.0	-	-	-	-
59	L.72	22	Stiffener	x 0.05	3.0	-	-	-	-
60	L.72	18	Stiffening plate	x 0.05	3.0	-	-	-	-
61	L.72	16	Reinforcing plate	0.05	3.0	-	-	-	-
62	L.72	238/SS.1793	Intercostal	0.05	3.0	0.125	8 : 1	-	-
63	D.T.D.687	20	Reinforcing plate	0.05	3.0	0.125	8 : 1	-	-
64	L.72	100/SS.1793	Channel	0.025	3.0	-	-	-	-
65	L.77	-	Bracket	0.025	3.0	-	-	-	-
66	L.72	20	Angle	x -	-	-	-	-	114
67	D.T.D.687	12	Plate	0.025	3.0	0.25	8 : 1	-	-
68	L.72	22	Angle	x 0.025	3.0	-	-	-	-
69	L.73	18	Reinforcing angle	0.05	3.0	0.125	8 : 1	-	-
70	L.72	20	Reinforcing plate	0.05	3.0	-	-	-	-
71	L.72	20	Access panel	0.1	2.5	0.25	4 : 1	-	-
72	L.72	20	Channel	0.1	2.5	0.25	4 : 1	-	-
73	L.65	288/SS.3075	Stringer 'T' section	-	-	0.125	4 : 1	-	-
74	L.72	16	Angle	x 0.05	3.0	-	-	-	-
75	L.72	16	Channel	x 0.1	2.5	-	-	-	-
76	L.72	20	Angle	x 0.05	3.0	-	-	-	114
77	D.T.D.687	22	Web	0.05	3.0	-	-	-	-
78	S.96	-	Housing	*	-	-	-	-	-
79	L.65	311/SS.3075	Boom	0.05	3.0	-	-	-	-
80	L.72	20	'Z' member	x 0.05	3.0	-	-	-	-
81	L.72	20	Web	0.05	3.0	-	-	-	-
82	L.72	22	Web	0.05	3.0	0.25	8 : 1	-	-
83	L.72	22	Diaphragm	0.05	3.0	-	-	-	-
84	L.72	14	Reinforcing strip	0.05	3.0	0.125	8 : 1	-	-
85	L.65	288/SS.3075	Stringer 'T' section	0.05	3.0	0.125	8 : 1	-	-
86	L.73	18	Angle	0.05	3.0	-	-	-	-
87	L.73	12	Angle	0.05	3.0	-	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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NOTE: FOR DETAILS OF REINFORCEMENTS AT EACH RIB, REFER TO THE KEY FOR POSITIONS AND ITEMS. REINFORCEMENTS ARE SIMILAR FOR THE TOP AND BOTTOM OF RIB WEBS. RIBS 60-25, 126-5 AND 197-5 ARE NOT AFFECTED BY MOD. 58

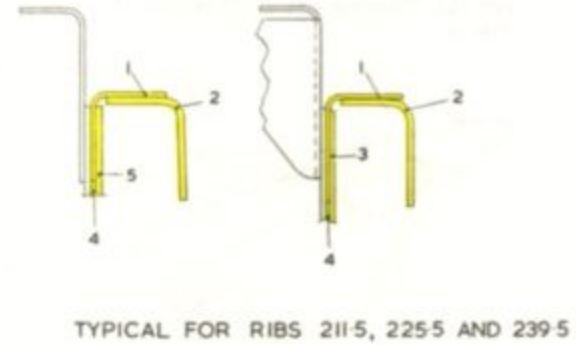
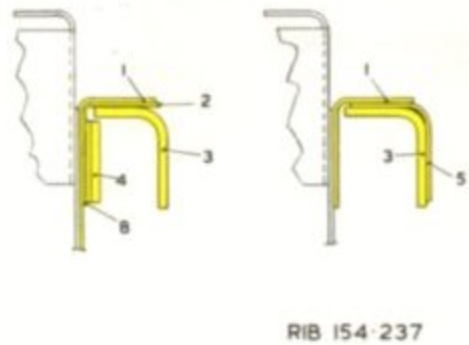
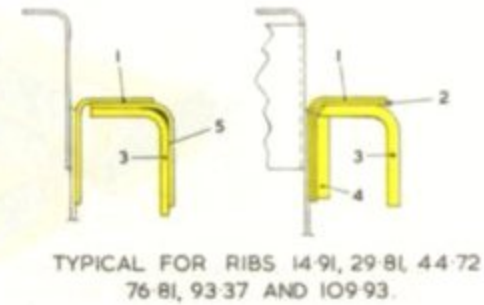
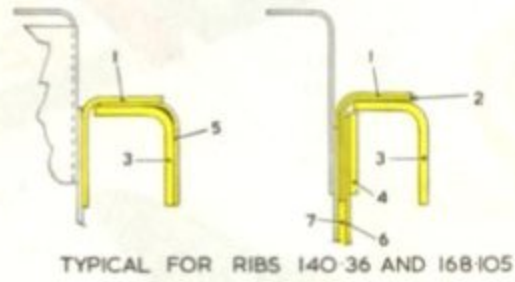
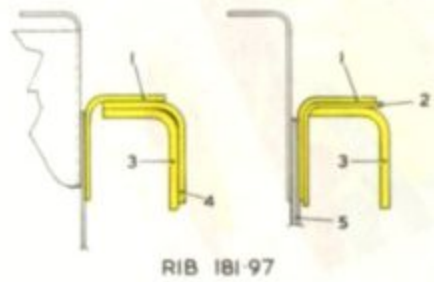
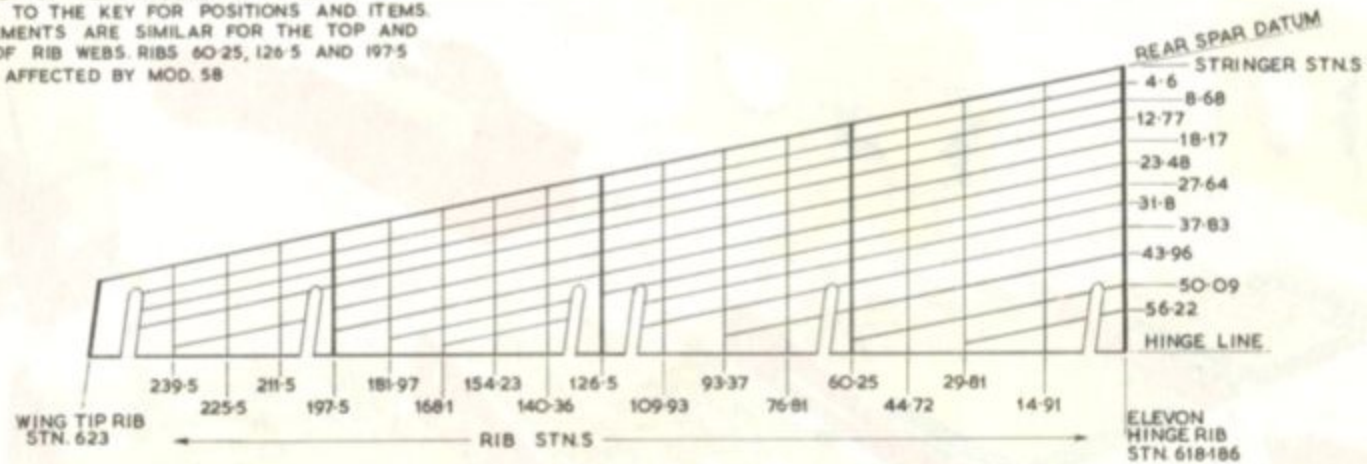


Fig. A331C Trailing edge structure-outer portion-rib reinforcements

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A.P.101B-1900-6A, Part 1, App.1, Chap.3
A.L.52, Jan.68

KEY TO FIG.A331C

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes		
			Depth		Dia.			
RIB 14.91								
1	L.73	18	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	18	Reinforcing angle, rear spar to stringer 23.48	0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to stringer 27.64	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	16	Reinforcing angle, stringer 23.48 to midway between stringer 31.8 and stringer 37.83	0.05	3.0	0.25	4 : 1	-
RIB 29.81								
1	L.73	18	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	18	Reinforcing angle, rear spar to stringer 23.48	0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to stringer 27.64	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	18	Reinforcing angle, stringer 23.48 to midway between stringer 31.8 and stringer 37.83	0.05	3.0	0.25	4 : 1	-
RIB 44.72								
1	L.73	18	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	18	Reinforcing angle, rear spar to stringer 18.17	0.05	3.0	-	-	-
3	L.73	14	Angle, rear spar to stringer 23.48	0.05	3.0	0.25	4 : 1	-
4	L.73	14	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	18	Reinforcing angle, stringer 18.17 to stringer 31.8	0.05	3.0	0.25	4 : 1	-
RIB 76.81								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	18	Reinforcing angle, rear spar to stringer 18.17	0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to midway between stringer 31.8 and stringer 37.83	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	18	Reinforcing angle, stringer 18.17 to stringer 43.96	0.05	3.0	0.25	4 : 1	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG.A331C (Contd.)

Item	Material		Description	Dents		Negligible Damage		Repair Fig.
	Spec.	S.W.G. or Section		Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
RIB 93.37								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	20	Reinforcing angle, rear spar to stringer 18.17	0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to midway between stringer 31.8 and stringer 37.83	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	20	Reinforcing angle, stringer 18.17 to stringer 43.96	0.05	3.0	0.25	4 : 1	-
RIB 109.93								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	20	Reinforcing angle, rear spar to stringer 18.17	0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to stringer 27.64	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	20	Reinforcing angle, stringer 18.17 to stringer 31.8	0.05	3.0	0.25	4 : 1	-
RIB 140.36								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	20	Reinforcing angle, rear spar to stringer 12.77	x 0.05	3.0	-	-	-
3	L.73	12	Angle, rear spar to stringer 18.17	0.05	3.0	0.25	4 : 1	-
4	L.73	12	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	20	Reinforcing angle, stringer 12.77 to stringer 23.48	0.05	3.0	0.25	4 : 1	-
6	L.72	20	Reinforcing plate, rear spar to stringer 12.77	x 0.05	3.0	-	-	-
7	L.72	16	Packing, rear spar to stringer 12.77	-	-	0.125	4 : 1	-
RIB 154.23								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	22	Reinforcing angle, rear spar to stringer 12.77	x 0.05	3.0	-	-	-
3	L.73	14	Angle, rear spar to stringer 18.17	0.05	3.0	0.25	4 : 1	-
4	L.73	14	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	20	Reinforcing angle, stringer 12.77 to stringer 23.48	0.05	3.0	0.25	4 : 1	-
6	L.72	20	Reinforcing plate, rear spar to stringer 4.6	x -	-	-	-	-
7	L.72	16	Packing, rear spar to stringer 4.6	x -	-	-	-	-
8	L.73	20	Packing, stringer 4.6 to stringer 8.68	x -	-	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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KEY TO FIG.A331C (Contd.)

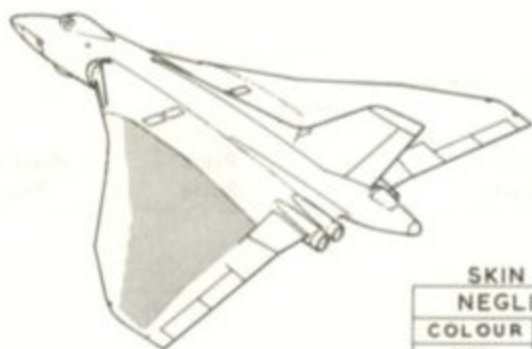
Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
			Depth		Dia.			
RIB 168.1								
1	L.73	20	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	20	Reinforcing angle, rear spar to stringer 12.77	x 0.05	3.0	-	-	-
3	L.73	16	Angle, rear spar to midway between stringer 12.77 and stringer 18.17	0.05	3.0	0.25	4 : 1	-
4	L.73	16	Doubling strip, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
5	L.73	20	Reinforcing angle, stringer 12.77 to stringer 23.48	0.05	3.0	0.25	4 : 1	-
6	L.72	20	Reinforcing plate, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
7	L.72	16	Packing, rear spar to stringer 8.68	x -	-	0.125	4 : 1	-
RIB 181.97								
1	L.73	22	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	22	Reinforcing angle, rear spar to stringer 8.68	x 0.05	3.0	-	-	-
3	L.73	14	Angle, rear spar to stringer 12.77	0.05	3.0	0.25	4 : 1	-
4	L.73	22	Reinforcing angle, stringer 8.68 to stringer 18.17	0.05	3.0	0.25	4 : 1	-
5	L.72	16	Reinforcing plate, rear spar to midway between stringer 8.68 and stringer 12.77	x 0.05	3.0	-	-	-
RIBS 211.5, 225.5 AND 239.5								
1	L.73	22	Angle, rear spar to hinge line	0.05	3.0	-	-	-
2	L.73	16	Angle, rear spar to midway between stringer 8.68 and stringer 12.77	x 0.05	3.0	0.25	4 : 1	-
3	L.72	16	Reinforcing plate, rear spar to stringer 4.6	x -	-	-	-	-
4	L.72	20	Packing, rear spar to stringer 12.77	x -	-	0.125	4 : 1	-
5	L.72	24	Reinforcing plate, stringer 4.6 to stringer 12.77	x 0.05	3.0	-	-	-

x More expedient to renew than repair

* No repairs permitted

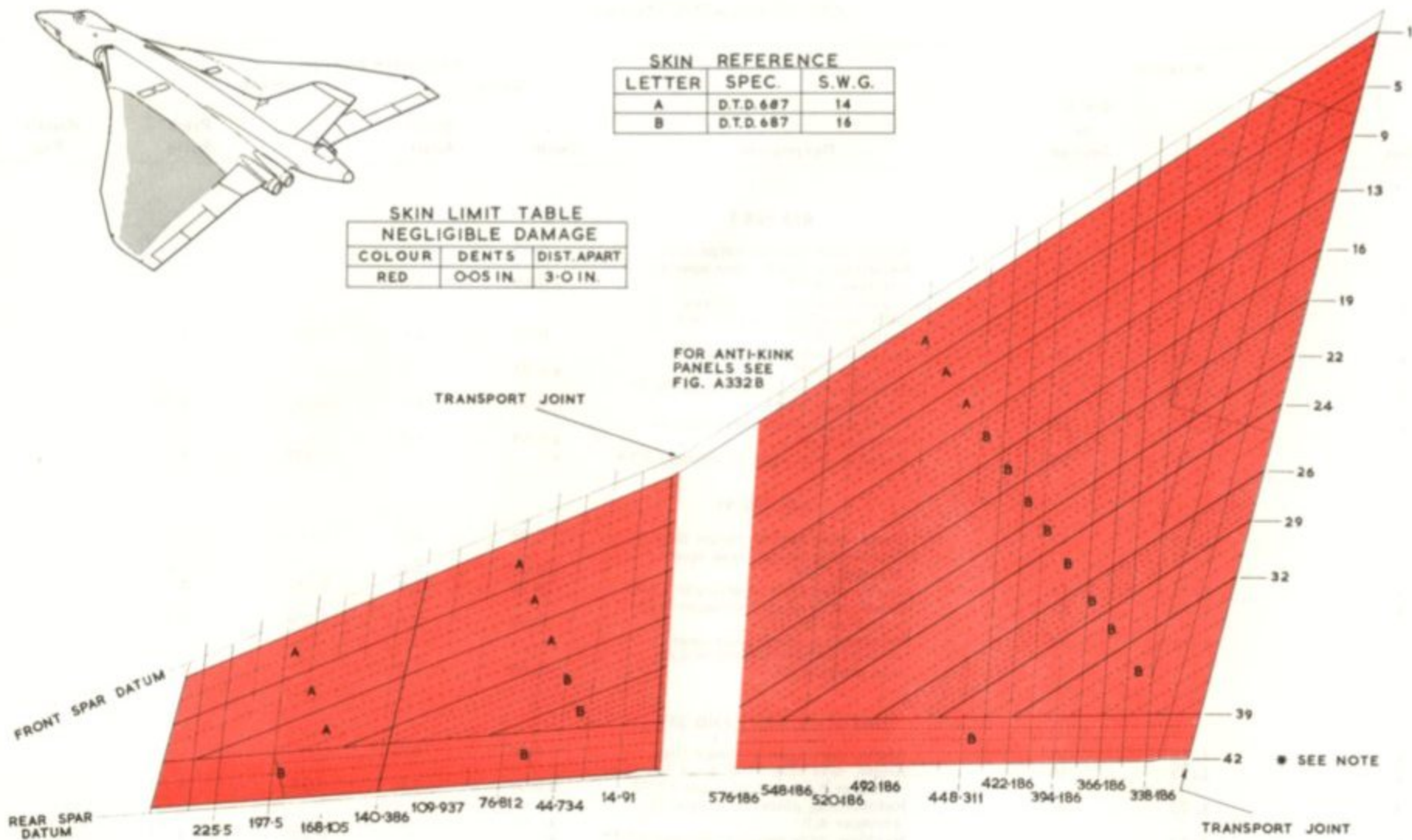
All dimensions are quoted in inches

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SKIN REFERENCE		
LETTER	SPEC.	S.W.G.
A	D.T.D.687	14
B	D.T.D.687	16

SKIN LIMIT TABLE NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	0.05 IN.	3.0 IN.



STRINGER REFERENCE

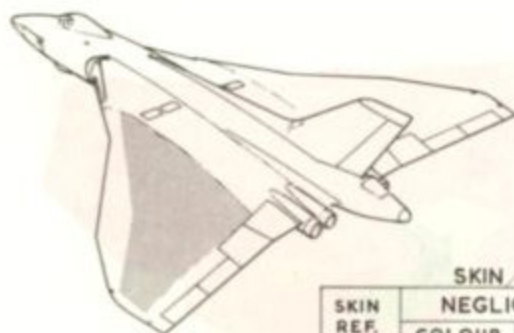
STRINGER No.	SECTION	REPAIR FIG.
1, 5, 9, 13, 16, 19, 22, 24, 26, 29, 32, 39.	301/553075	A373 AND A373A
REMAINDER	302/553075	A 372

* NOTE :- STRINGERS ARE NUMBERED CONSECUTIVELY 1-42. INTERMEDIATE STRINGERS BETWEEN 13 AND 29 ARE IDENTIFIED BY THE SUFFIX 'a' TO THE PRECEDING STRINGER NUMBER.

FOR WEATHERPROOFING SEE TEXT IN CHAPS. 1 AND 3.
FOR SKIN REPAIRS SEE FIG. 103 AND 104.

FIG. A 332 Top skins-outer wing (Pre.Mod. 894)

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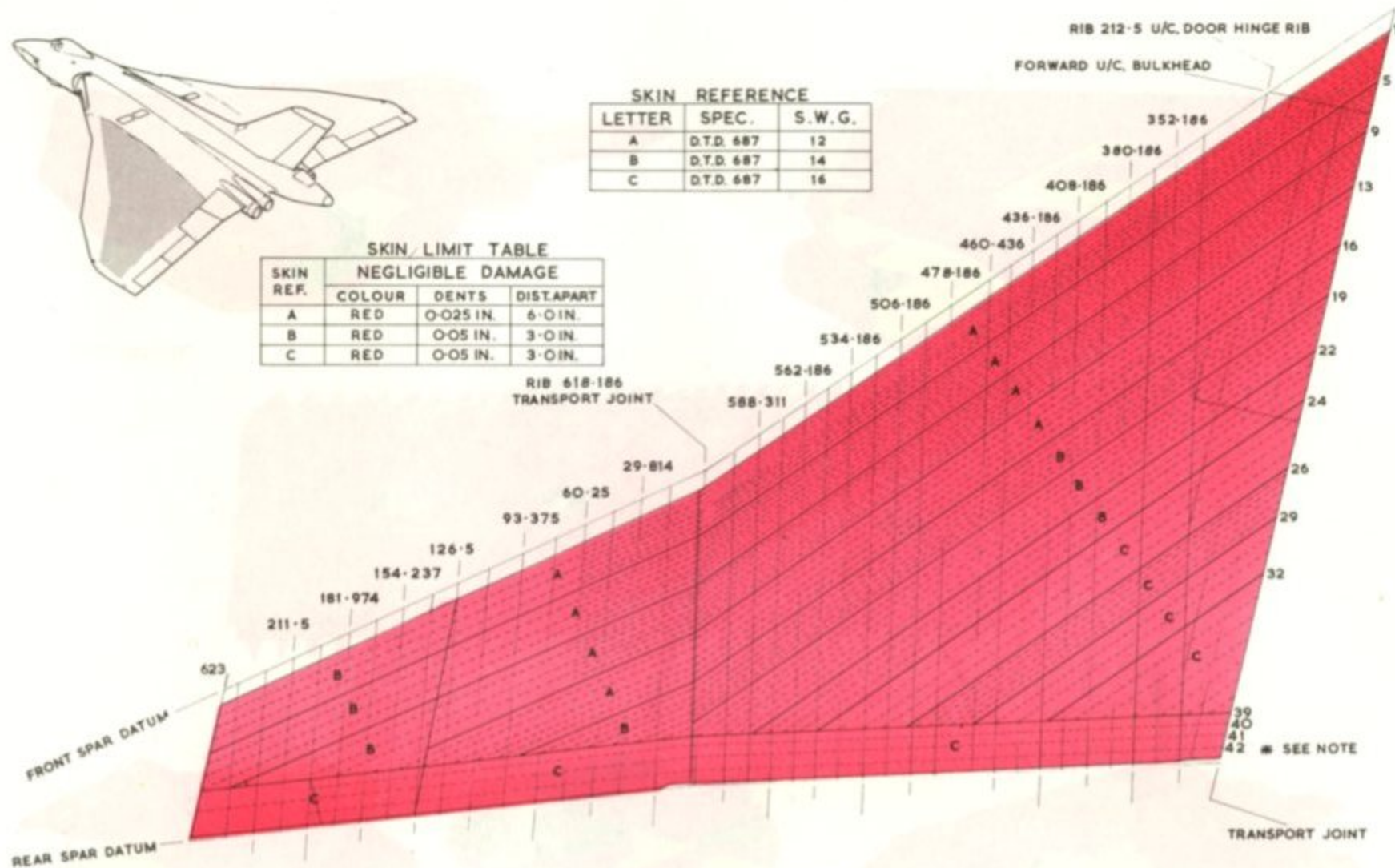


SKIN REFERENCE

LETTER	SPEC.	S.W.G.
A	D.T.D. 687	12
B	D.T.D. 687	14
C	D.T.D. 687	16

SKIN LIMIT TABLE

SKIN REF.	NEGLECTIBLE DAMAGE		
	COLOUR	DENTS	DIST. PART
A	RED	0.025 IN.	6.0 IN.
B	RED	0.05 IN.	3.0 IN.
C	RED	0.05 IN.	3.0 IN.



STRINGER REFERENCE

STRINGER No.	SECTION*	REPAIR FIG.
1, 5, 9, 13, 16, 19, 22, 24	588/55.3075	A 371
26, 29, 32, 39	301/55.3075	A373 - A373A
REMAINDER	302/55.3075	A 372

* NOTE :- STRINGERS ARE NUMBERED CONSECUTIVELY 1-42. INTERMEDIATE STRINGERS BETWEEN 1 AND 29 ARE IDENTIFIED BY THE SUFFIX 'a' TO THE PRECEDING STRINGER NUMBER.

FOR WEATHERPROOFING SEE TEXT IN CHAPS. 1 AND 3
FOR SKIN REPAIRS SEE FIG. 103 AND 104

◀ FIG. A 332 A.—Top skins-outer wing (Post Mod. 894) ▶

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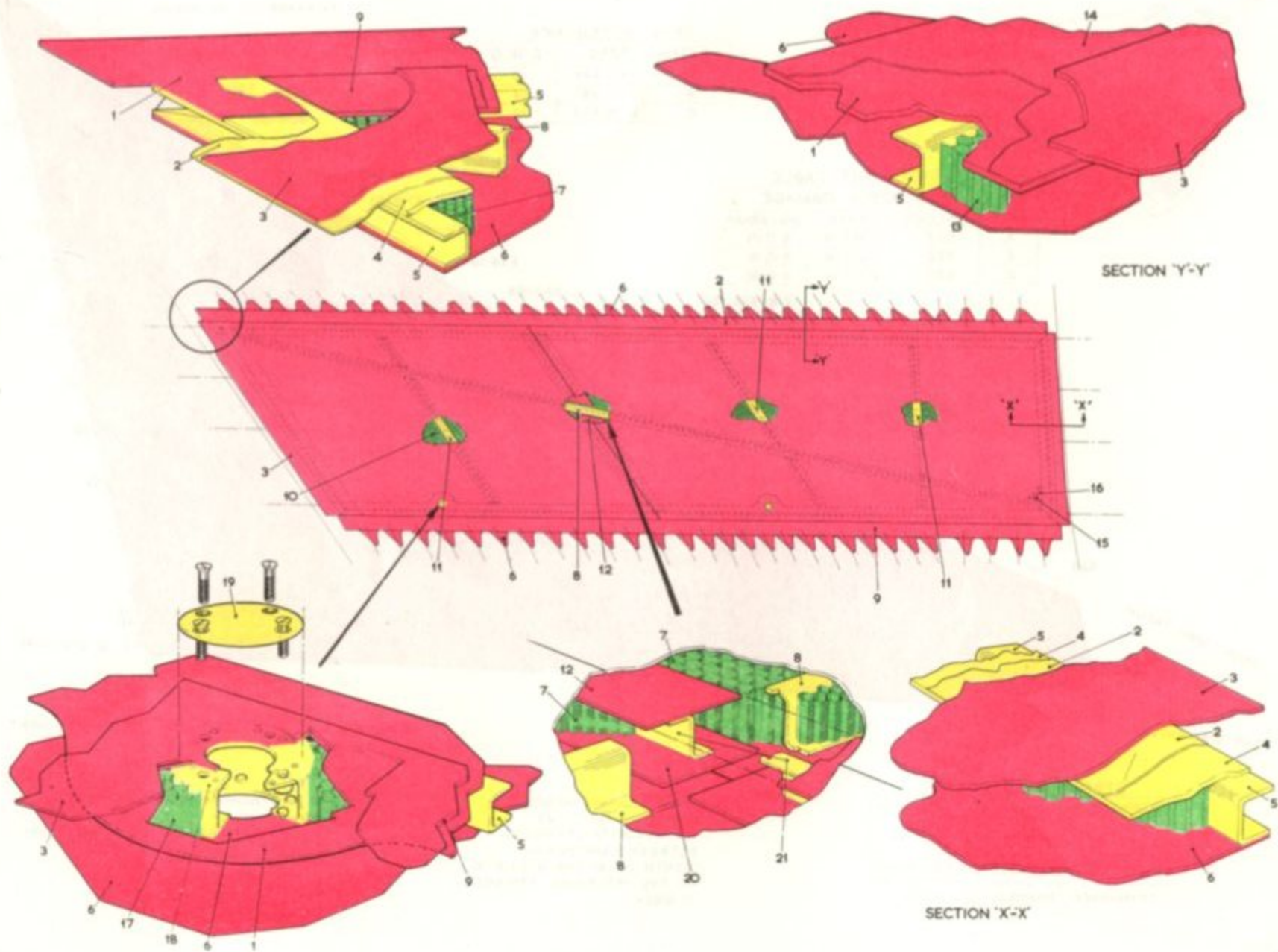


Fig. A332B. Wing skinning top surface kink control panel (Pre. Mod. 894)

RESTRICTED

KEY TO FIG. A332B (PRE-MOD. 894)

Item	Material		Description	Negligible Damage					Repair Fig.
	Spec.	S.W.G. or Section		Dents		Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio		
1	L. 73	14	Butt strap	x -	-	-	-	-	
2	L. 73	27	Packing strip	x -	-	-	-	-	
3	L. 73	16	Outer skin	0.05	3.0	-	-	103,104	
4	L. 73	14	Reinforcing strip	x -	-	-	-	-	
5	L. 73	66/SS, 7000	Channel member	-	-	0.125	4:1	-	
6	L. 73	18	Inner skin	0.05	2.0	-	-	103,104	
7	L. 72	925/SS, 4275	Symmetrical hexagon honeycomb	-	-	-	-	102	
8	L. 73	67/SS, 7000	Kink support member	0.05	3.0	0.125	4:1	-	
9	L. 73	27	Packing strip	-	-	-	-	-	
10	L. 72	958/SS, 4225	Symmetrical hexagon honeycomb	-	-	-	-	102	
11	L. 72	67/SS, 7000	Reinforcing strip	0.05	3.0	0.125	4:1	-	
12	L. 72	16	Joint strap	x -	-	-	-	-	
13	L. 72	904/SS, 4286	Symmetrical hexagon honeycomb	-	-	-	-	102	
14	L. 72	27	Packing strip	0.05	3.0	-	-	-	
15	L. 73	18	Channel member	0.05	3.0	0.125	4:1	-	
16	L. 73	18	Corner skin	-	-	-	-	-	
17	L. 72	925/SS, 4285	Symmetrical hexagon honeycomb	-	-	-	-	102	
18	L. 65	-	Reinforcing ring	x 0.05	-	0.125	4:1	-	
19	L. 72	15	Cover plate	x 0.05	-	-	-	-	
20	L. 72	18	Joint strap	x -	-	-	-	-	
21	L. 73	81/SS, 7000	"Z" section, reinforcing strip	0.05	3.0	0.125	4:1	-	

*More expedient to renew than repair.
All dimensions are quoted in inches.

RESTRICTED

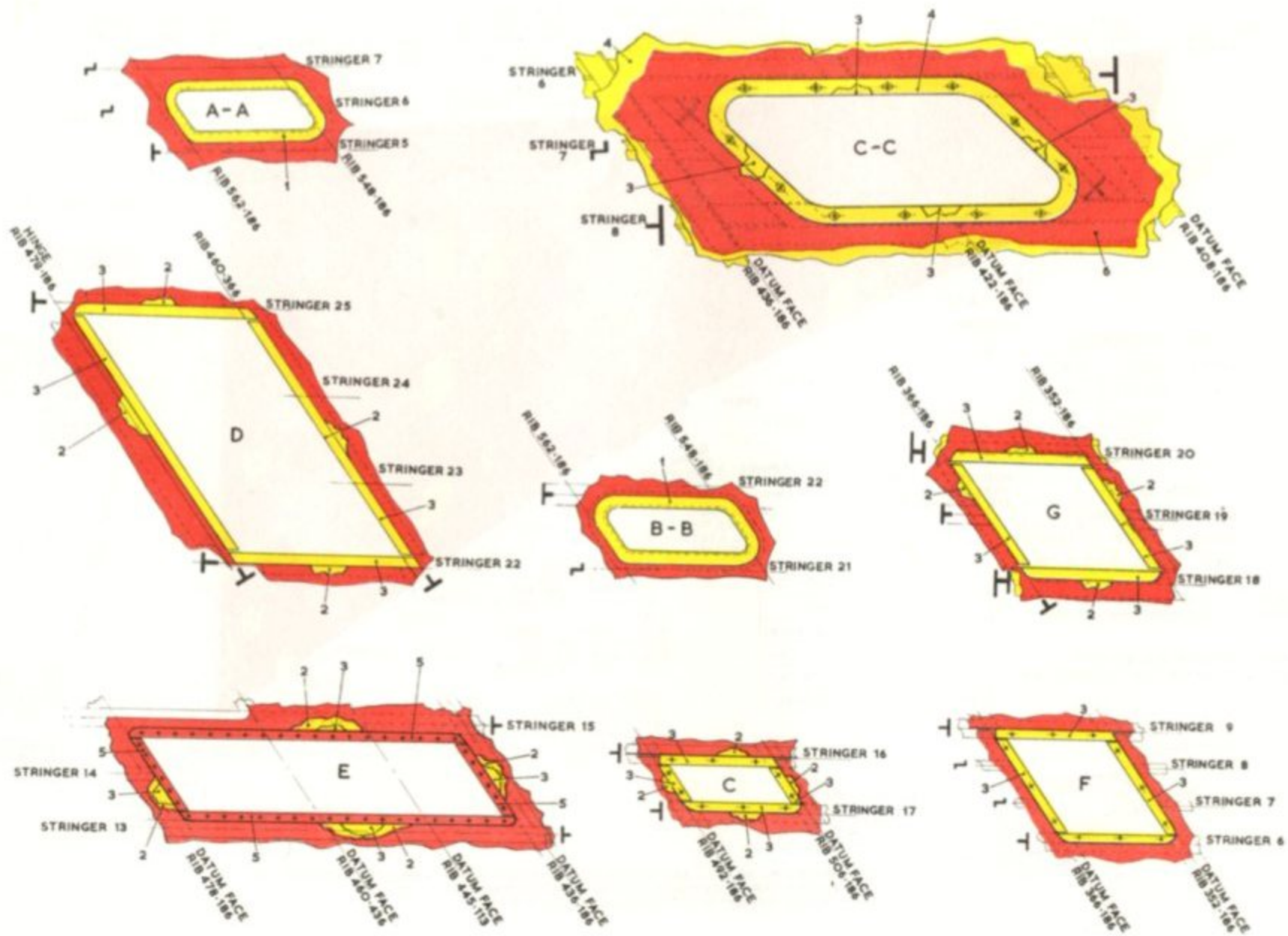


Fig. A333A. Bottom skins-access structure (Pre. Mod. 1456)

RESTRICTED

KEY TO FIG.A333A (PRE-MOD.1456)

Item	Material		Description	Negligible Damage					Repair Fig.
	Spec.	S.W.G. or Section		Dents		Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio		
1	L.72	18	Door frame	x 0.05	2.0	0.25	4:1	-	
2	L.72	26	Strap	x -	-	0.125	4:1	-	
3	D. T. D. 5054	301/SS. 3075	'T' stringer section	-	-	0.125	4:1	A373, A373A	
4	L.73	16	Reinforcing skin	0.1	2.5	0.25	4:1	-	
5	L.72	16	Joggled strip	x 0.05	3.0	-	-	-	
6	D. T. D. 687	16	Outer skin	0.05	3.0	-	-	103, 104	

*More expedient to renew than repair.
All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A333A (POST MOD.1456)

Item	Material Spec.	S.W.G. or Section	Description	Negligible Damage			Pitch Ratio	Repair Fig.
				Dents Depth	Dist. Apart	Holes Dia.		
1	L.73	10	Landing plate	0.05	3.0	-	-	-
2	L.73	12	Packing	x -	-	-	-	-
3	L.73	14	Reinforcing plate	0.05	3.0	-	-	-
4	L.73	14	Joint plate	0.05	3.0	-	-	-
5	L.73	18	Packing	x -	-	-	-	-
6	L.73	16	Reinforcing plate	0.05	3.0	-	-	-
7	D. T. D. 683	301/SS.3075	Stringer 'T' section	-	-	0.125	4:1	A373, A373A
8	D. T. D. 683	302/SS.3075	Stringer 'Z' section	-	-	0.125	4:1	A372
9	S.514	18	Angle	-	-	0.125	4:1	-
10	L.72	14	Strip 'D' section	x -	-	-	-	-
11	L.73	14	Strap plate	0.05	3.0	-	-	-
12	L.73	12	Packing plate	x -	-	-	-	-
13	L.73	20	Packing	x -	-	-	-	-
14	L.72	10	Packing	x -	-	-	-	-
15	L.72	14	Packing	x -	-	-	-	-
16	L.73	16	Stringer bracket	-	-	0.125	4:1	-
17	S.514	18	Steel stringer	-	-	0.125	4:1	-
18	L.73	14	Butt strap	-	-	0.125	4:1	-
19	L.73	12	Reinforcing plate	0.1	2.5	0.125	4:1	-
20	D. T. D. 683	301/SS.3075	Door frame	0.05	3.0	-	-	-
21	L.72	16	Bracket	x -	-	-	-	-
22	L.72	16	Packing	x -	-	-	-	-
23	L.72	10	Packing	x 0.05	3.0	-	-	-
24	L.72	22	Packing	x 0.05	3.0	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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A.P.101B-1900-6A, Part 1, App. 1, Chap. 3
A.L. 52, Jan. 68

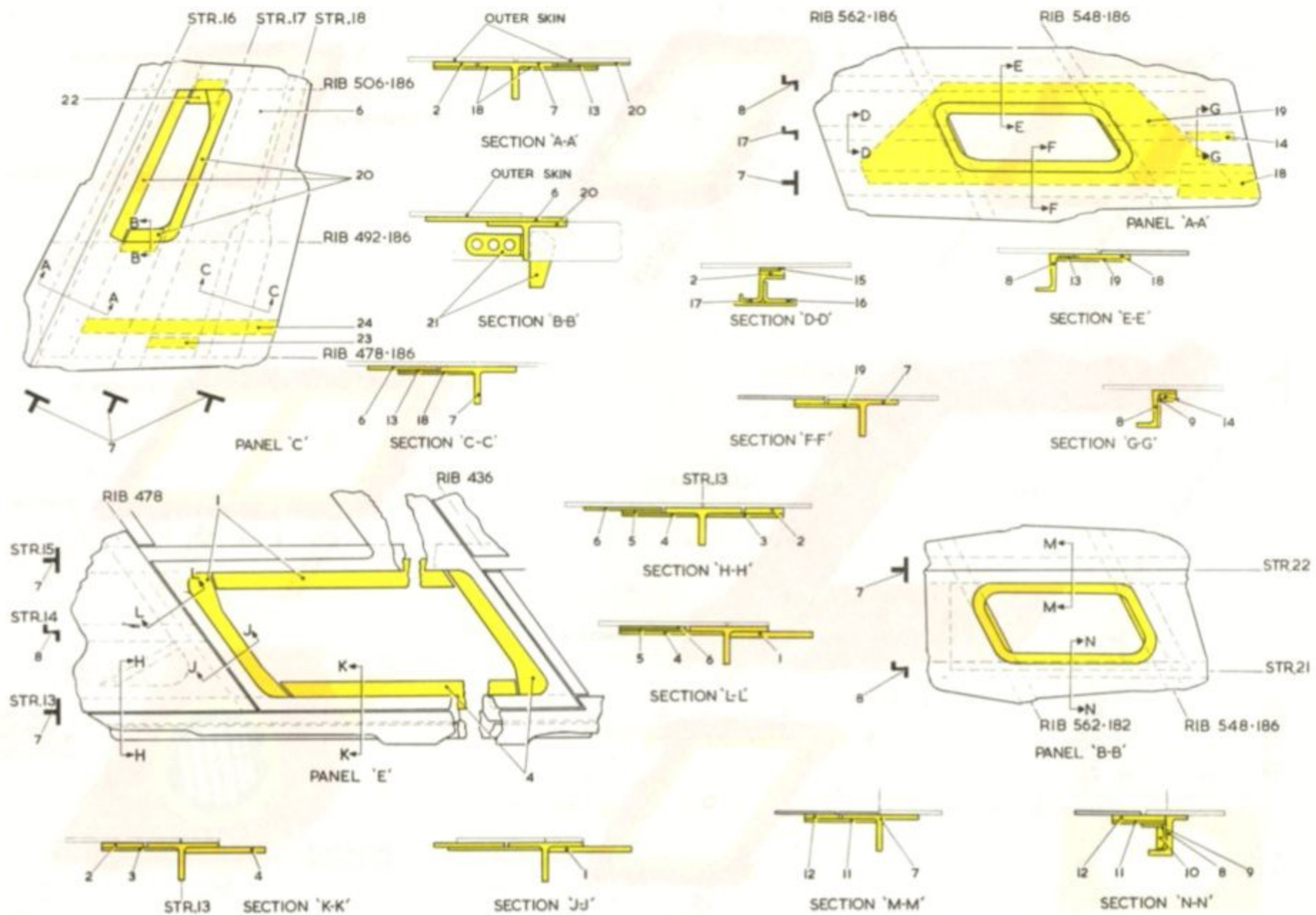


Fig. A333A Bottom skins-access structure (Post Mod. 1456)

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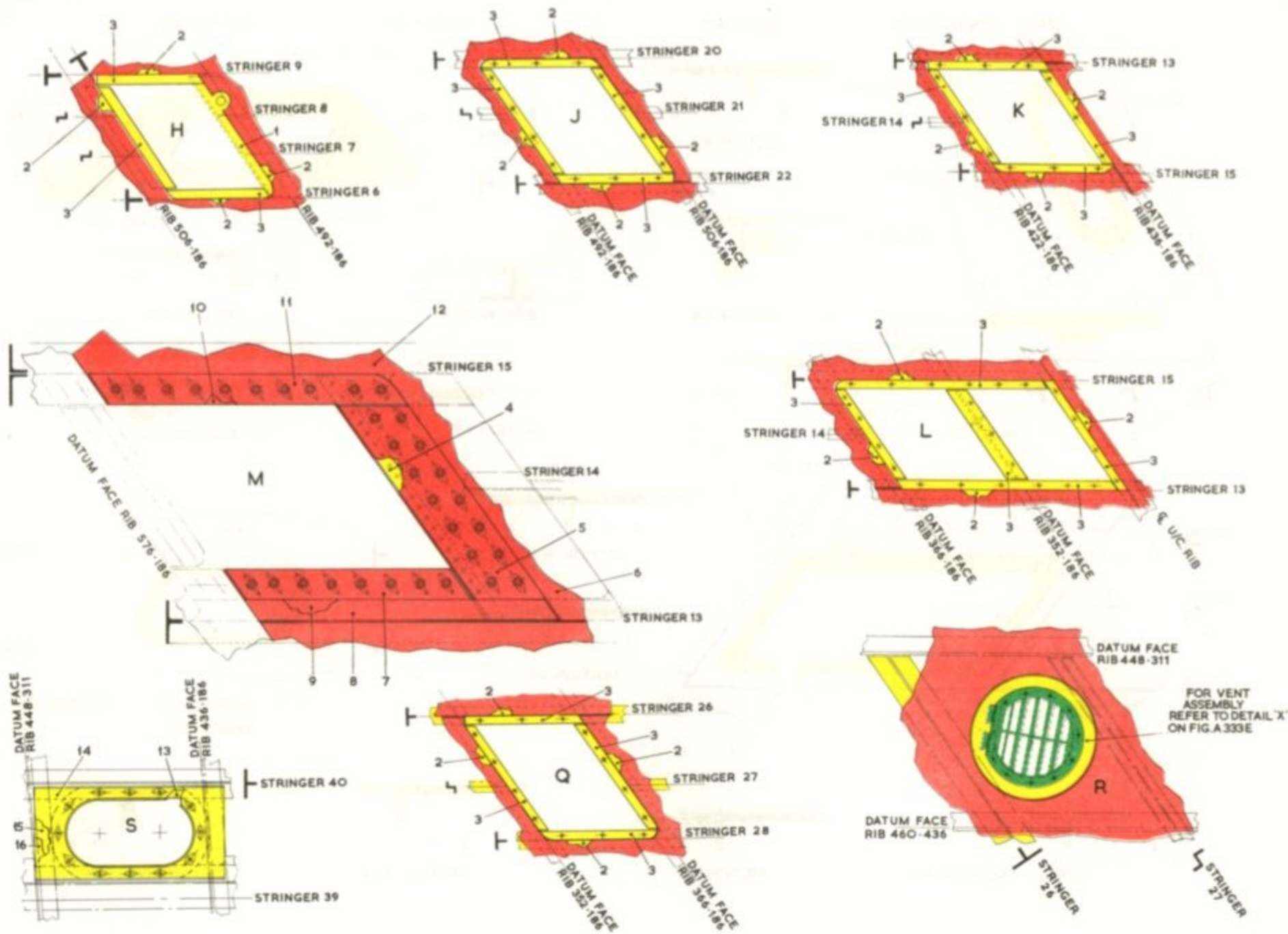


Fig. A333B Bottom skins-access structure (Pre. Mod. 1456)

RESTRICTED

KEY TO FIG.A333B (PRE-MOD.1456)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
1	L. 72	16	Angled member	-	-	0.125	4:1	-
2	L. 72	26	Strap	-	-	0.125	4:1	-
3	D. T. D. 5054	301/SS. 3075	"T" stringer section	-	-	0.125	4:1	A373, A373A
4	L. 73	16	Attachment angle	x -	-	0.125	4:1	-
5	L. 72	10	Frame	x 0.025	3.0	-	-	-
6	L. 72	10	Reinforcing strip	x 0.025	3.0	-	-	-
7	L. 72	10	Frame	x 0.025	3.0	-	-	-
8	D. T. D. 687	16	Strap	x -	-	-	-	-
9	D. T. D. 5054	301/SS. 3075	Stringer section	-	-	0.125	4:1	A373, A373A
10	L. 65	314/SS. 3075	Angle	-	-	0.125	4:1	-
11	L. 72	18	Butt strap	x -	-	-	-	-
12	L. 72	10	Reinforcing plate	0.025	3.0	-	-	-
13	L. 72	18	Packing	x -	-	-	-	-
14	L. 72	18	Plate	0.05	2.0	0.125	4:1	-
15	L. 72	12	Packing	x -	-	-	-	-
16	L. 72	18	Packing	x -	-	-	-	-

x More expedient to renew than repair
All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A333B (POST MOD. 1456)

Item	Material		Description	Depth	Negligible Damage		Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.		
1	D. T. D. 683	301/SS. 3075	Stringer 'T' section	-	-	0.125	4:1	A373, A373A
2	D. T. D. 683	302/SS. 3075	Stringer 'Z' section	-	-	0.125	4:1	A372
3	L. 73	14	Plate	0.05	2.0	0.125	4:1	-
4	L. 73	14	Gusset	0.05	2.0	0.125	4:1	-
5	L. 72	14	Joint plate	0.05	3.0	-	-	-
6	L. 73	18	Packing	x -	-	-	-	-
7	L. 73	20	Reinforcing skin	x 0.1	2.5	0.25	4:1	-
8	L. 73	20	Packing	x 0.05	3.0	-	-	-
9	L. 73	14	Joint strap	0.05	3.0	-	-	-
10	L. 73	14	Packing	x -	-	-	-	-
11	L. 73	24	Packing	x -	-	-	-	-
12	L. 73	12	Packing	x -	-	-	-	-
13	L. 73	15	Packing	x -	-	-	-	-
14	L. 72	16	Angle member	-	-	0.125	4:1	-
15	L. 73	18	Reinforcing plate	x 0.05	3.0	-	-	-
16	L. 73	18	Packing	x 0.05	3.0	-	-	-
17	L. 73	16	Reinforcing plate	x 0.05	3.0	-	-	-
18	L. 73	16	Packing	x -	-	-	-	-
19	L. 72	16	Stiffening ring	x 0.05	2.5	0.125	4:1	-
20	L. 72	12	Strip 'D' section	x -	-	-	-	-
21	L. 77	-	Bracket	x -	-	-	-	-
22	L. 65	394/SS. 3075	Stringer bracket	x -	-	-	-	-
23	L. 72	16	Attachment angle	-	-	0.125	4:1	-
24	L. 73	12	Plate	x 0.05	3.0	-	-	-
25	L. 73	12	Packing	x 0.05	3.0	-	-	-
26	L. 73	14	Plate	0.05	3.0	-	-	-
27	L. 73	22	Reinforcing skin	x -	-	-	-	-

x More expedient to renew than repair

* No repairs permitted

All dimensions are quoted in inches

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A.P.101B-1900-6A, Part 1, App. 1, Chap. 3
A.L. 52, Jan. 68

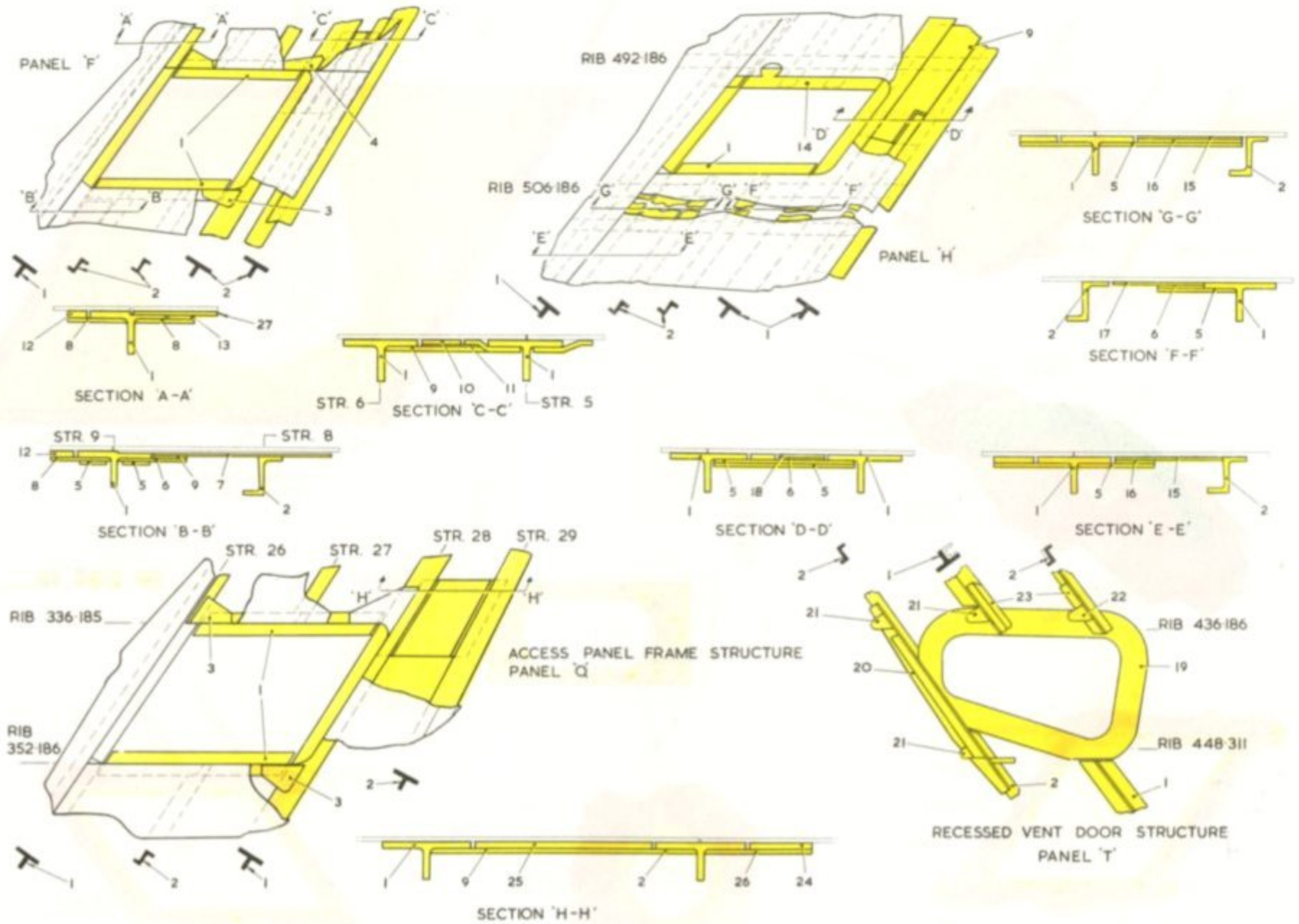


Fig. A333B Bottom skins-access structure (Post Mod. 1456)

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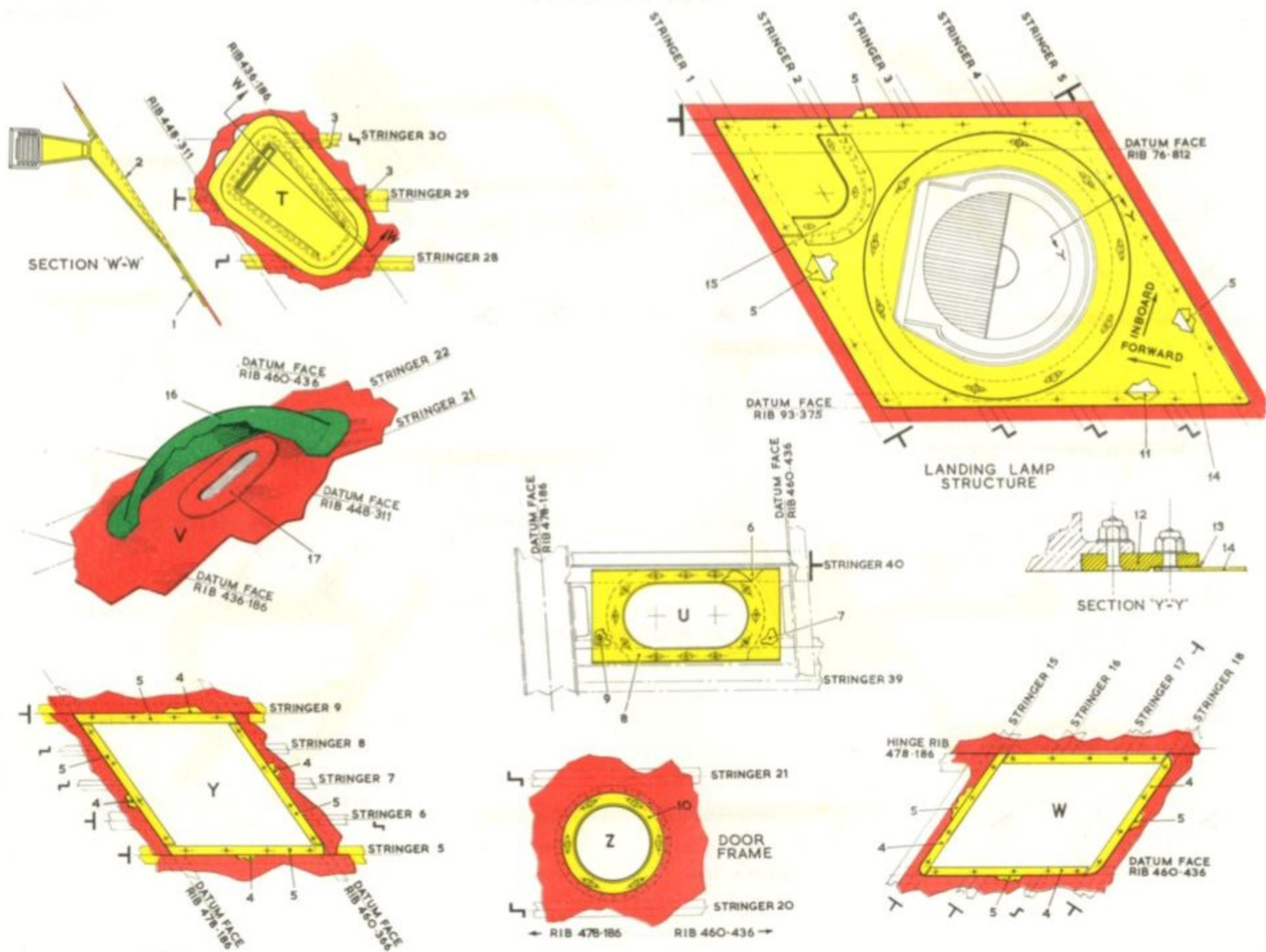


Fig. A333C Bottom skins access structure (Pre. Mod. 1456)

RESTRICTED

KEY TO FIG. A333C (PRE. MOD. 1456)

Item	Material		Description	Dents Depth	Negligible Damage Holes			Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.	Pitch Ratio	
1	L.72	16	Stiffening ring	x 0.05	2.5	0.125	4:1	-
2	L.59	18	Vent scoop	x 0.2	2.0	-	-	-
3	L.72	16	Attachment bracket	x -	-	-	-	-
4	L.72	26	Strap	x -	-	0.125	4:1	-
5	D.T.D.5054	301/SS.3075	'T' stringer section	-	-	0.125	4:1	110
6	L.72	18	Packing	x -	-	-	-	-
7	L.72	12	Packing	x -	-	-	-	-
8	L.72	18	Plate	x 0.05	2.0	0.125	4:1	-
9	L.72	18	Packing	x -	-	-	-	-
10	L.72	20	Frame	x -	-	-	-	-
11	L.72	446/SS.1793	Attachment angle	-	-	0.125	4:1	114
12	L.72	3	Mounting plate	x 0.02	-	-	-	-
13	D.T.D.687	16	Packing ring	x -	-	-	-	-
14	D.T.D.687	16	Skin panel	0.05	2.5	-	-	103
15	L.72	16	Attachment flange	x 0.05	2.0	0.125	4:1	-
16	L.72	20	Fairing	0.2	2.0	-	-	-
17	L.73	16	Reinforcing plate	x 0.05	2.0	0.125	4:1	-

x More expedient to renew than repair.
All dimensions are quoted in inches.

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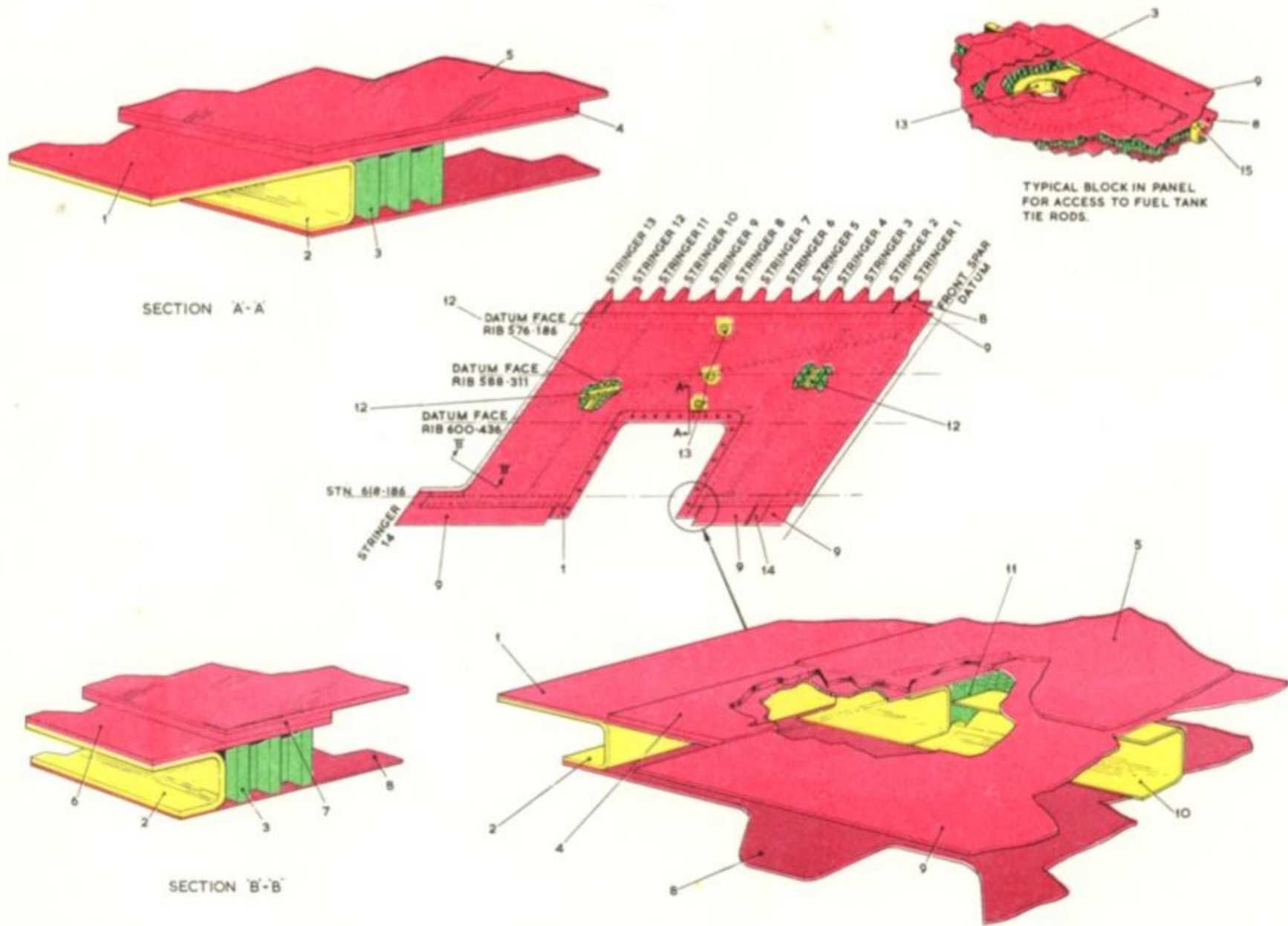


Fig. A333D. Wing skinning bottom surface - Kink control panel

RESTRICTED

KEY TO FIG. A333D

Item	Material			Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section	Depth		Dents		Holes		
					Dist. Apart	Dia.	Pitch Ratio		
1	L. 73	16	0.05	3.0	-	-	-	-	
2	L. 73	63/SS. 7000	-	-	0.125	4:1	-	-	
3	L. 72	826/SS. 4286	-	-	-	-	-	102	
4	L. 73	10	-	-	-	-	-	-	
5	L. 73	16	0.05	3.0	-	-	-	103, 104	
6	L. 73	16	0.05	3.0	-	-	-	-	
7	L. 73	10	x -	-	-	-	-	-	
8	L. 73	18	0.05	2.0	-	-	-	103, 104	
9	L. 73	14	x -	-	-	-	-	-	
10	L. 73	83/SS. 7000	-	-	0.125	4:1	-	-	
11	L. 72	1030/SS. 4286	-	-	-	-	-	102	
12	L. 73	67/SS. 7000	0.05	3.0	0.125	4:1	-	-	
13	D. T. D. 142A	-	0.02	-	-	-	-	-	
14	L. 73	27	x -	-	-	-	-	-	
15	L. 73	64/SS. 7000	-	-	0.125	4:1	-	-	

x More expedient to renew than repair.
All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A 333E

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S. W. G. or Section		Dents	Dist. Apart	Holes	Pitch Ratio	
				Depth		Dia.		
1	D. T. D. 142A	-	Block	x 0.05	-	0.125	4:1	-
2	L. 59	20	Cascade	x 0.02	-	-	-	-
3	L. 73	16	Outer skin	0.05	3.0	-	-	103
4	L. 72	1030/SS. 4286	Symmetrical hexagon honeycomb	-	-	-	-	102
5	L. 72	18	Vent body	* -	2.5	-	-	-
6	L. 72	18	Top plate	x 0.05	2.0	-	-	-
7	L. 72	20	Cover plate	x 0.05	2.0	-	-	-
8	-	-	Distance block	x 0.02	-	-	-	-
9	L. 73	16	Channel member	-	-	0.125	4:1	-
10	-	826/SS. 4287	Expanded hexagon honeycomb	-	-	-	-	102
11	L. 73	16	Outer skin	0.05	3.0	-	-	103
12	L. 73	10	Packing piece	x -	-	-	-	-
13	L. 73	16	Packing piece	x 0.05	2.0	-	-	-
14	L. 73	18	Corner skin	0.1	2.5	0.125	4:1	103
15	L. 73	68/SS. 7000	Channel member	-	-	0.125	4:1	-
16	L. 73	18	Channel member	-	-	0.125	4:1	-
17	L. 73	18	Inner skin	0.05	2.0	-	-	103
18	L. 73	83/SS. 7000	Channel member	-	-	0.125	4:1	-
19	L. 73	14	Butt strap	-	-	-	-	-
20	L. 73	14	Packing	x -	-	-	-	-
21	L. 73	85/SS. 7000	Channel member	-	-	0.125	4:1	-
22	L. 73	63/SS. 7000	Channel member	-	-	0.125	4:1	-
23	D. T. D. 142A	-	Blocks	x 0.02	-	-	-	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

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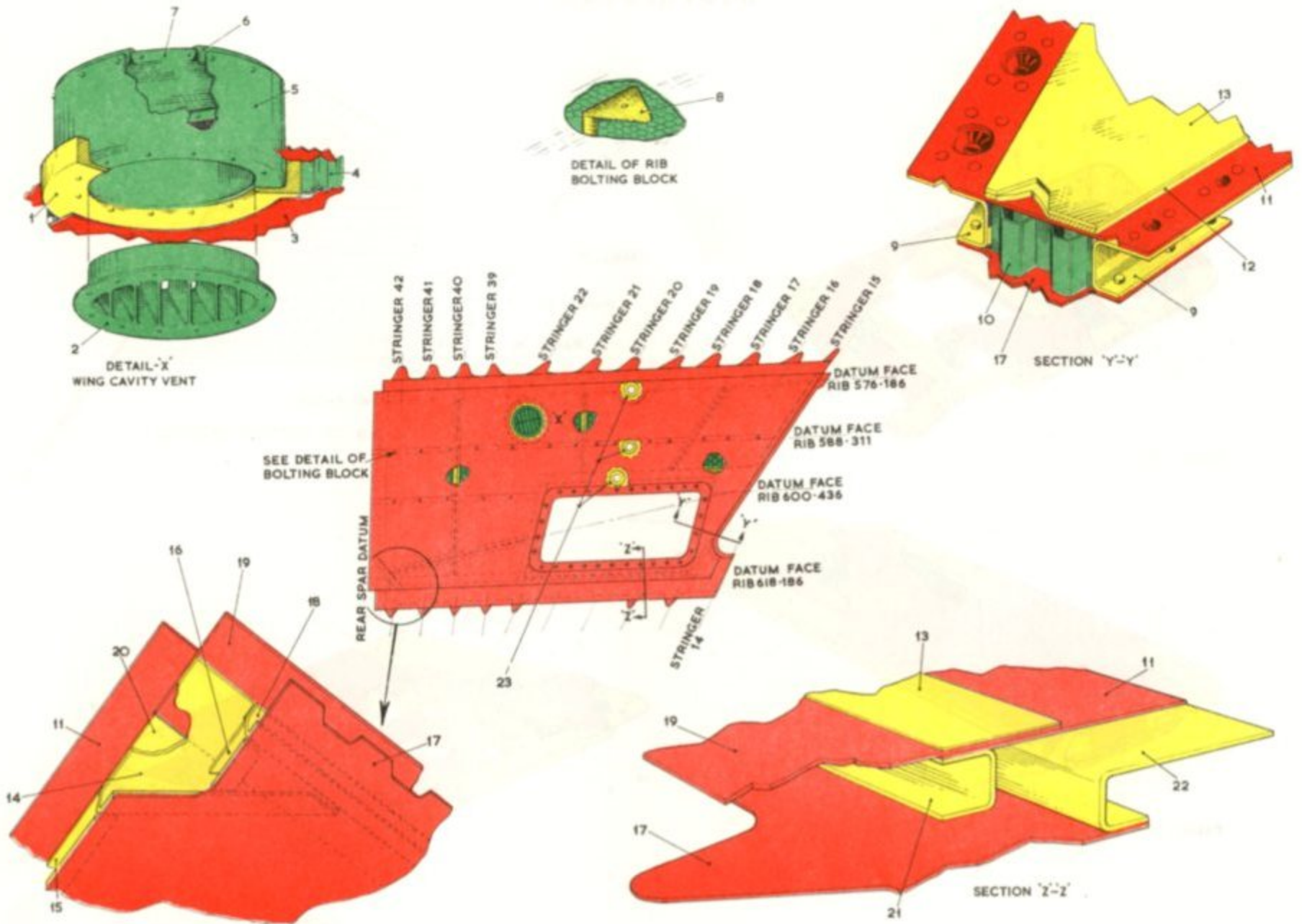


Fig. A333E. Wing skinning bottom surface-Kink control panel

RESTRICTED

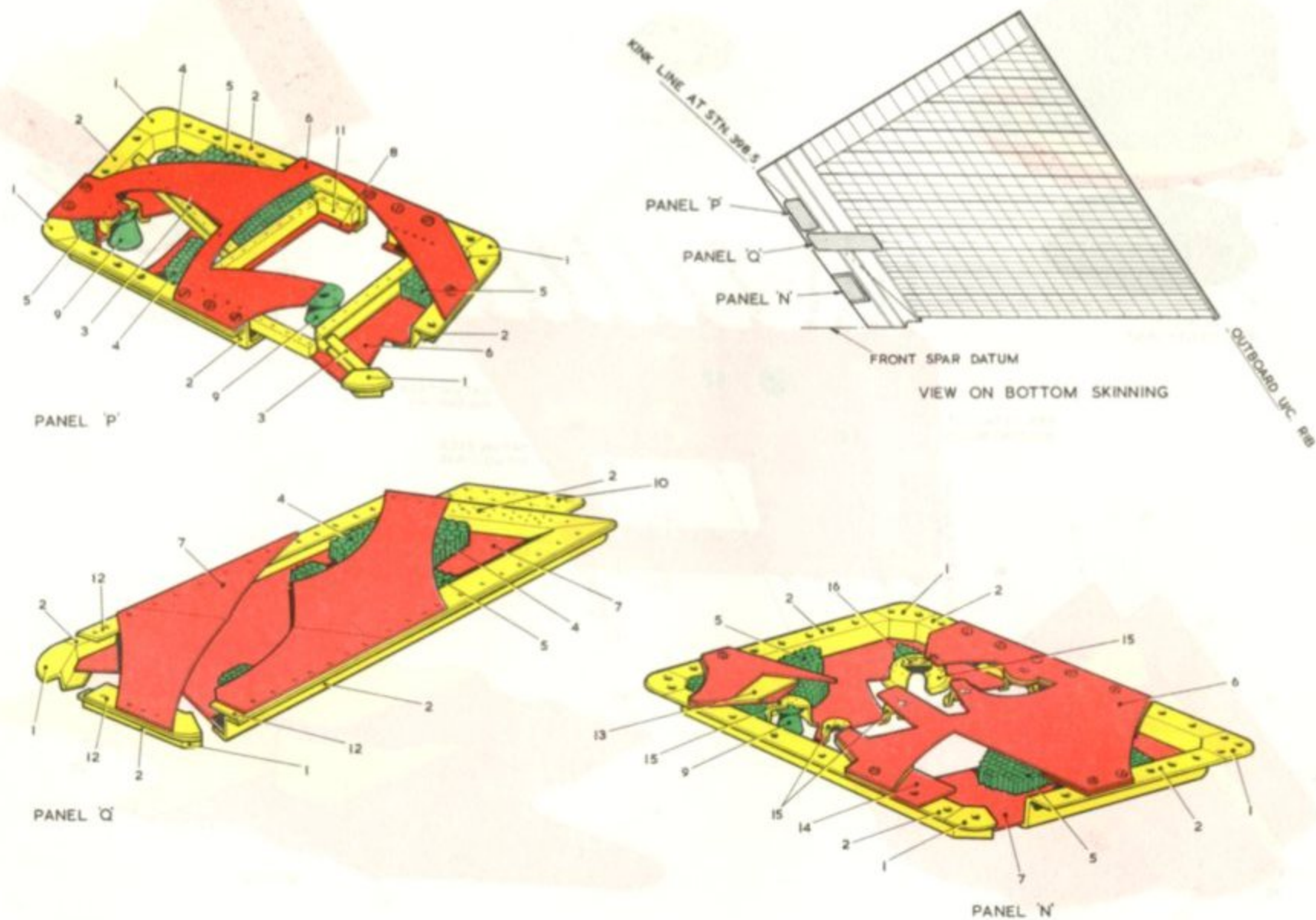


Fig. A333F. Wing skinning bottom surface kink control access panels (Mod. 1456)

RESTRICTED

KEY TO FIG. A333F (MOD.1456)

Item	Material		Description	Dents		Negligible Damage Holes		Repair Fig.
	Spec.	S.W.G. or Section		Depth	Dist. Apart	Dia.	Pitch Ratio	
1	L. 73	20	Member, corner	x -	-	0.25	4:1	-
2	L. 73	20	Member, side	-	-	0.25	4:1	-
3	L. 73	8/SS. 7000	Member	x 0.05	3.0	0.125	4:1	-
4	-	SS. 4286	Honeycomb	-	-	-	-	102
5	-	SS. 4287	Honeycomb	-	-	-	-	102
6	L. 73	16	Skin	0.05	3.0	-	-	-
7	L. 73	18	Skin	0.05	2.0	-	-	-
8	L. 72	18	Skin	0.05	2.0	-	-	-
9	L. 59	18	Drain outlet	* -	2.5	-	-	-
10	L. 73	10	Frame	x -	-	-	-	-
11	D. T. D. 5008	-	Frame	0.02	-	-	-	-
12	L. 73	12	Strip	* 0.025	3.0	-	-	-
13	L. 73	20	Insert	x 0.05	2.0	-	-	-
14	L. 73	18	Insert	x 0.05	2.0	-	-	-
15	L. 72	18	Dishing	x 0.025	3.0	-	-	-
16	L. 72	16	Access panel	0.05	3.0	-	-	-

x More expedient to renew than repair.

* No repairs permitted.

All dimensions are quoted in inches.

RESTRICTED

KEY TO FIG. A334

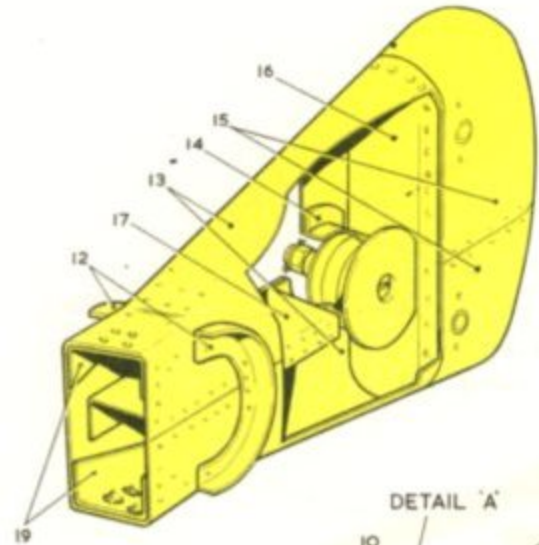
Item	Material Spec.	S.W.G. or Section	Description	Dents Depth	Negligible Damage		Pitch Ratio	Repair Fig.
					Dist. Apart	Holes Dia.		
1	L. 72	16	End rib	0.025	8.0	-	-	-
2	L. 72	20	Rib	0.05	8.0	0.125	12:1	103
3	L. 72	16	Hinge rib	* 0.025	10.0	-	-	-
4	R.R. 77 or D.T.D. 683	-	Power unit rib	* -	-	-	-	-
5	D.T.D. 166	20	Shield	x 0.05	8.0	-	-	-
6	L. 72	22	Nose rib	x 0.05	4.0	0.25	6:1	-
7	L. 72	20	Angle	x 0.05	8.0	0.125	12:1	-
8	L. 72	16	Angle	x 0.25	8.0	-	-	-
9	L. 72	18	Angle	x 0.25	8.0	-	-	-
10	D.T.D. 171	16	Angle	x 0.25	8.0	-	-	-
11	L. 72	20	Nose skin	0.05	3.0	-	-	-
12	D.T.D. 171	22	Angle	x 0.05	4.0	0.25	6:1	-
13	D.T.D. 171	22	Case	0.1	4.0	-	-	-
14	S.521 or D.T.D. 171	22	Flanged tube	x -	-	-	-	-
15	D.T.D. 171	22	End cap	0.05	4.0	-	-	-
16	D.T.D. 171 or S.521	16	Sealing diaphragm	0.025	10.0	-	-	-
17	D.T.D. 171 or S.521	22	Diaphragm	x 0.05	4.0	-	-	-
18	L. 72	16	Channel	0.25	8.0	-	-	-
19	D.T.D. 171 or S.521	18	Bracket	x 0.25	8.0	-	-	-
20	L. 72	20	Aft fixed fairing	0.05	3.0	-	-	-
21	L. 72	249/SS. 1793	Angle	x 0.05	8.0	0.25	6:1	-
22	L. 72	16	Spar web	0.025	12.0	0.125	16:1	-
23	L. 72	13a/SS. 1793	Angle	x 0.025	12.0	-	-	-

* No repairs permitted.

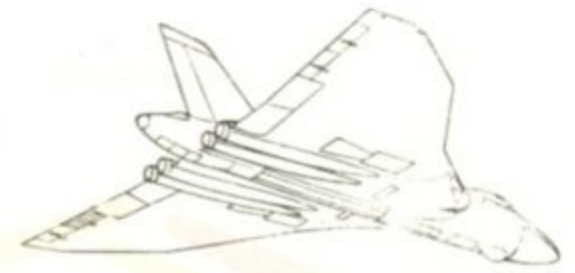
x More expedient to renew than to repair.

All dimensions quoted in inches.

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DETAIL AT 'A'
CENTRE AND INBOARD MASS BALANCE
ARMS ARE OF SIMILAR CONSTRUCTION
TO THIS DETAIL



NOTE > FOR REPAIR TOLERANCES WITHOUT ALTERATIONS TO THE
MASS BALANCE REFER TO TEXT IN CHAPTER 3
No. 7 ELEVON OPPOSITE HAND

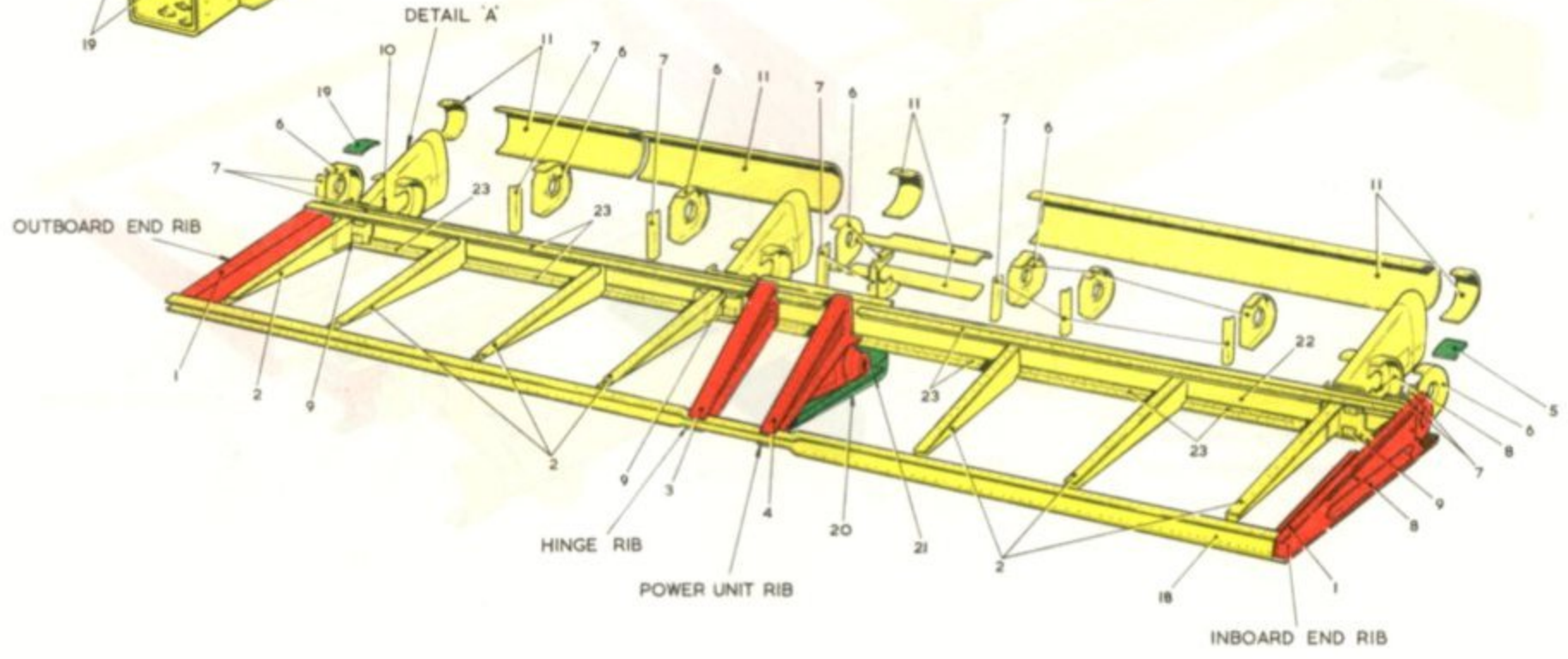


Fig. A334. Inboard aileron-No. 2 Elevon

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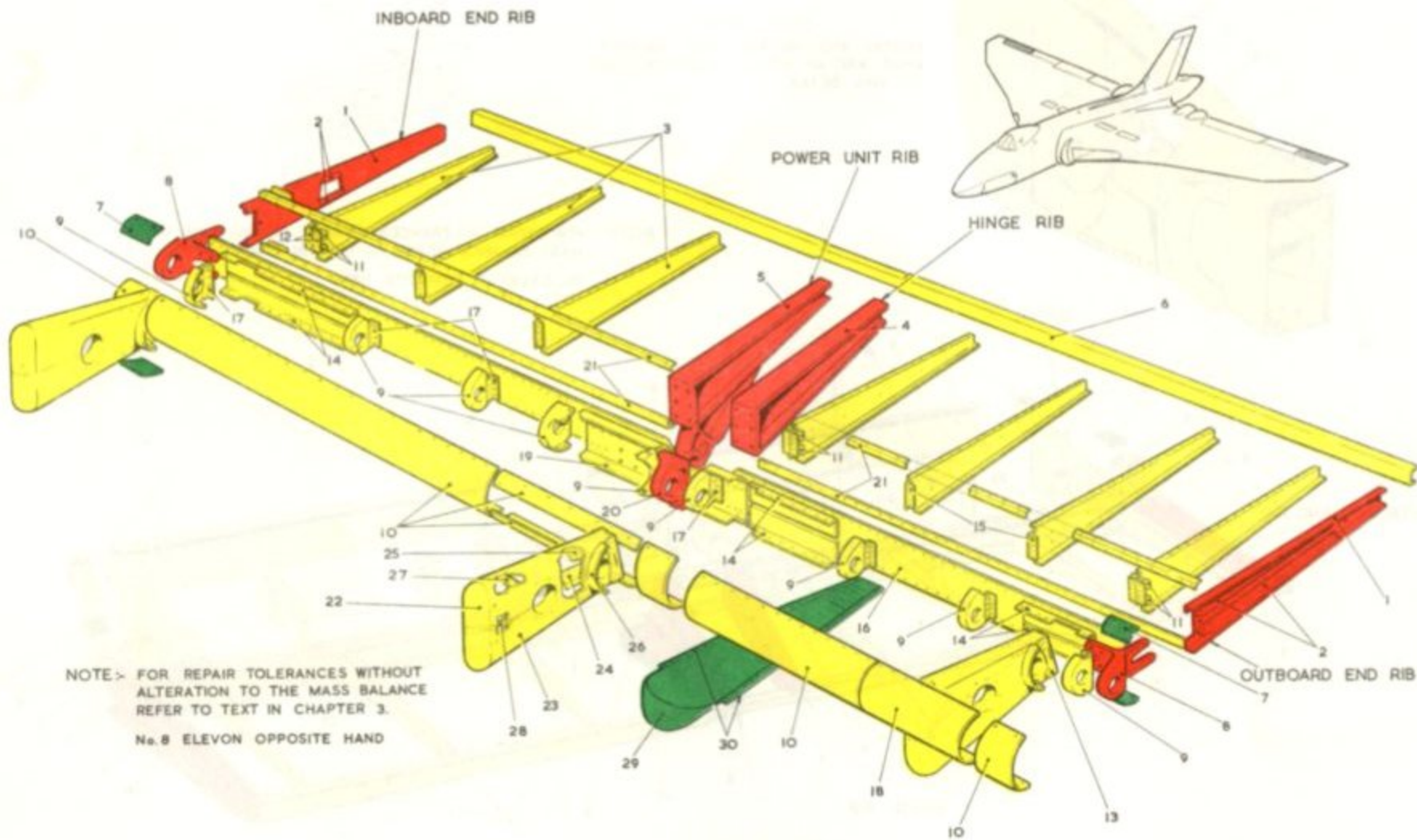


Fig. A334A. Outboard aileron-No. 1 Elevon

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KEY TO FIG. A.334A

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes	Pitch Ratio	
					Dist. Apart	Dia.		
1	L.72	16	Channel	0.025	8.0	-	-	-
2	L.72	16	Angle	0.025	8.0	-	-	-
3	L.72	20	Aileron rib	0.05	8.0	0.125	12:1	-
4	R.R. 77 or (D.T.D.683)	-	Centre hinge rib	* -	-	-	-	-
5	R.R. 77 or (D.T.D.683)	-	Power unit rib	* -	-	-	-	-
6	L.72	16	Trailing edge member	0.025	10.0	-	-	-
7	D.T.D. 166	20	Shield	x 0.05	8.0	-	-	-
8	L.65	-	Hinge bracket	* -	-	-	-	-
9	L.72	22	Nose rib	0.05	4.0	0.25	6:1	-
10	L.72	20	Nose skin	0.05	3.0	-	-	-
11	L.72	18	Packing	x 0.05	8.0	-	-	-
12	L.72	18	Angle	x 0.05	8.0	-	-	-
13	S.514	16	Angle	x 0.05	8.0	-	-	-
14	L.72	20	Angle	0.05	8.0	0.125	12:1	113
15	L.72	13b/SS.1793	Angle	x 0.05	8.0	-	-	113
16	L.72	16	Spar web	0.025	12.0	0.125	16:1	-
17	L.72	20	Angle	x 0.05	8.0	-	-	-
18	L.72	20	Removable nose skin	0.05	3.0	-	-	-
19	D.T.D.124	16	Stiffening channel	0.025	10.0	0.125	16:1	-
20	-	-	Bracket	* -	-	-	-	-
21	L.72	13a/SS.1793	Angle	0.025	12.0	-	-	-
22	D.T.D.171	22	Nose cap	0.05	4.0	-	-	-
23	D.T.D.171	22	Case	0.1	4.0	-	-	-
24	S.521 or D.T.D.171	22	Diaphragm	0.05	4.0	-	-	-
25	S.521 or D.T.D.171	18	Bracket	0.05	8.0	-	-	-
26	S.521 or D.T.D.171	22	Angle	x 0.05	4.0	0.25	6:1	-
27	S.521 or D.T.D.171	16	Sealing diaphragm	x 0.025	10:0	-	-	-
28	S.521 or D.T.D.171	22	Butt strap	* 0.05	4.0	-	-	-
29	L.72	20	Aft fixed fairing	0.05	3.0	-	-	-
30	L.72	249/SS.1793	Angle	x 0.05	8.0	-	-	-

x More expedient to renew than repair.

* No repairs permitted.

All dimensions are quoted in inches.

KEY TO FIG.A334B

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
1	Alum.foil	SS.4275	Honeycomb	-	-	-	-	-
2	L.72	58/SS.7000	Forward edge member	0.025	4.0	-	-	-
3	L.72	28	Inner skin	0.025	6.0	-	-	-
4	L.72	24	Outer skin	0.025	6.0	-	-	-
5	L.72	18	Channel member	0.025	4.0	0.125	15:1	-
6	L.72	18	Channel member	0.025	4.0	0.125	15:1	-
7	L.72	18	End member	0.025	4.0	-	-	-
8	L.72	57/SS.7000	Trailing edge member	0.025	4.0	-	-	-
9	D.T.D.622	489/SS.3075	Reinforcing member	0.025	4.0	-	-	-
10	L.72	18	Reinforcing strip	x 0.05	4.0	0.125	8:1	-
11	L.72	16	Reinforcing strip	0.025	4.0	0.125	15:1	-
12	L.72	28	Packing	x -	-	-	-	-

x More expedient to renew than repair.
All dimensions are quoted in inches

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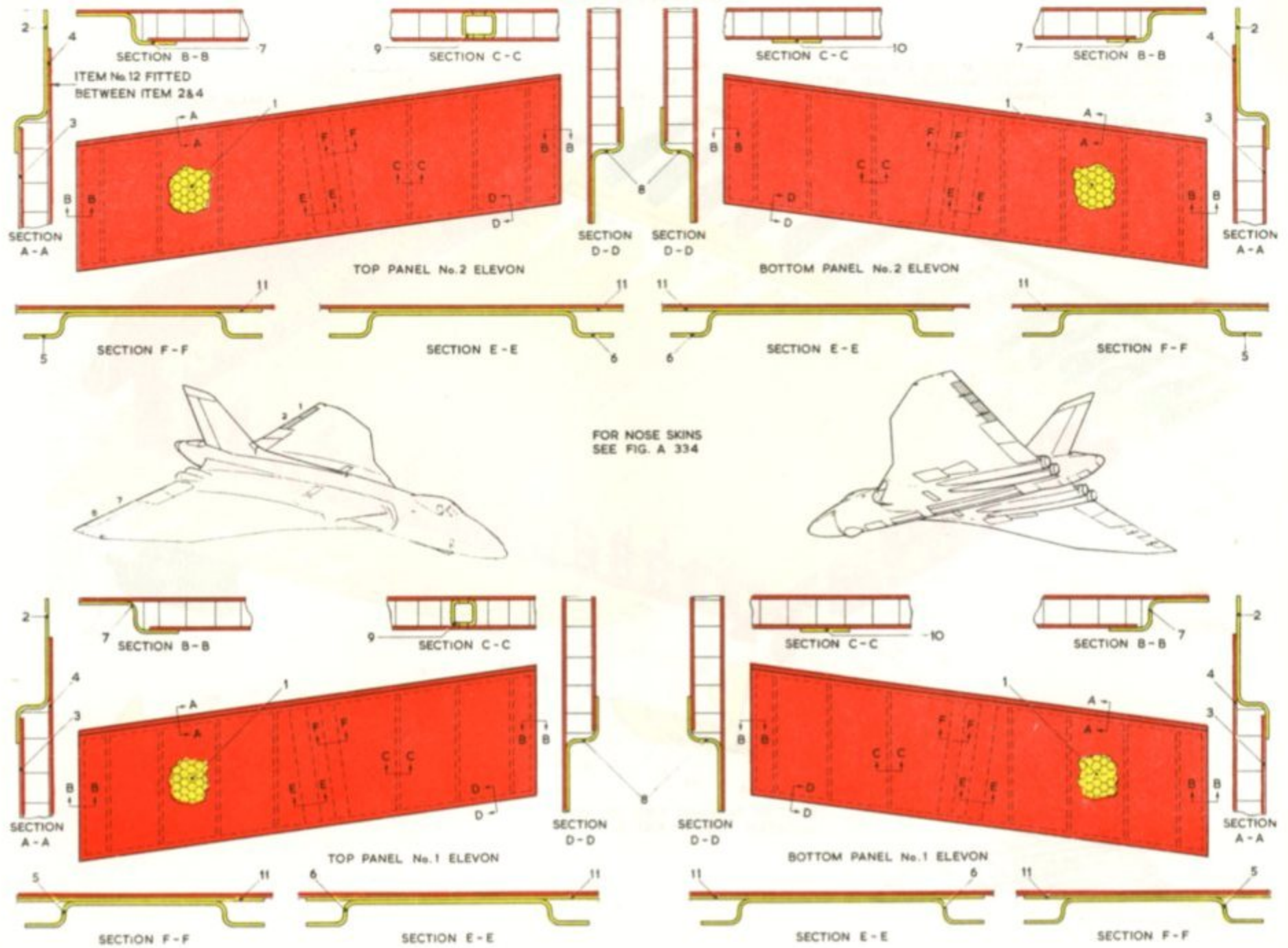


FIG. A 334 B. No. 1 & 2 elevon panels (7 and 8 opposite hand)

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NOTE - PREFIX IDENTICAL LETTERS AT RIB STATIONS
INDICATE THAT SIMILAR MATERIALS AND SECTIONS
ARE USED ON ASSEMBLY
No. 5 ELEVON OPPOSITE HAND

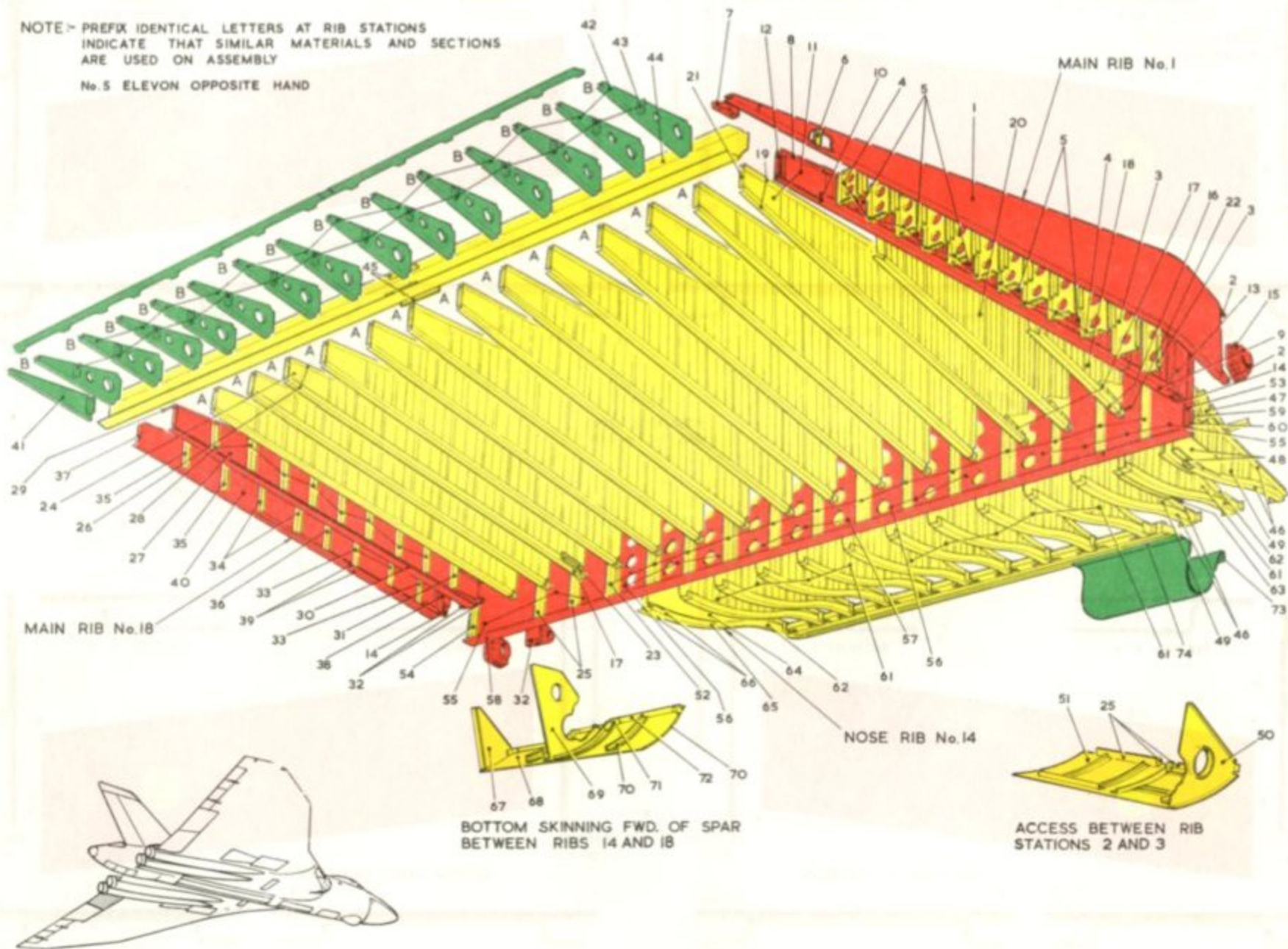


Fig. A335 Inboard elevator - No. 4 Elevon (Post mod. 89)

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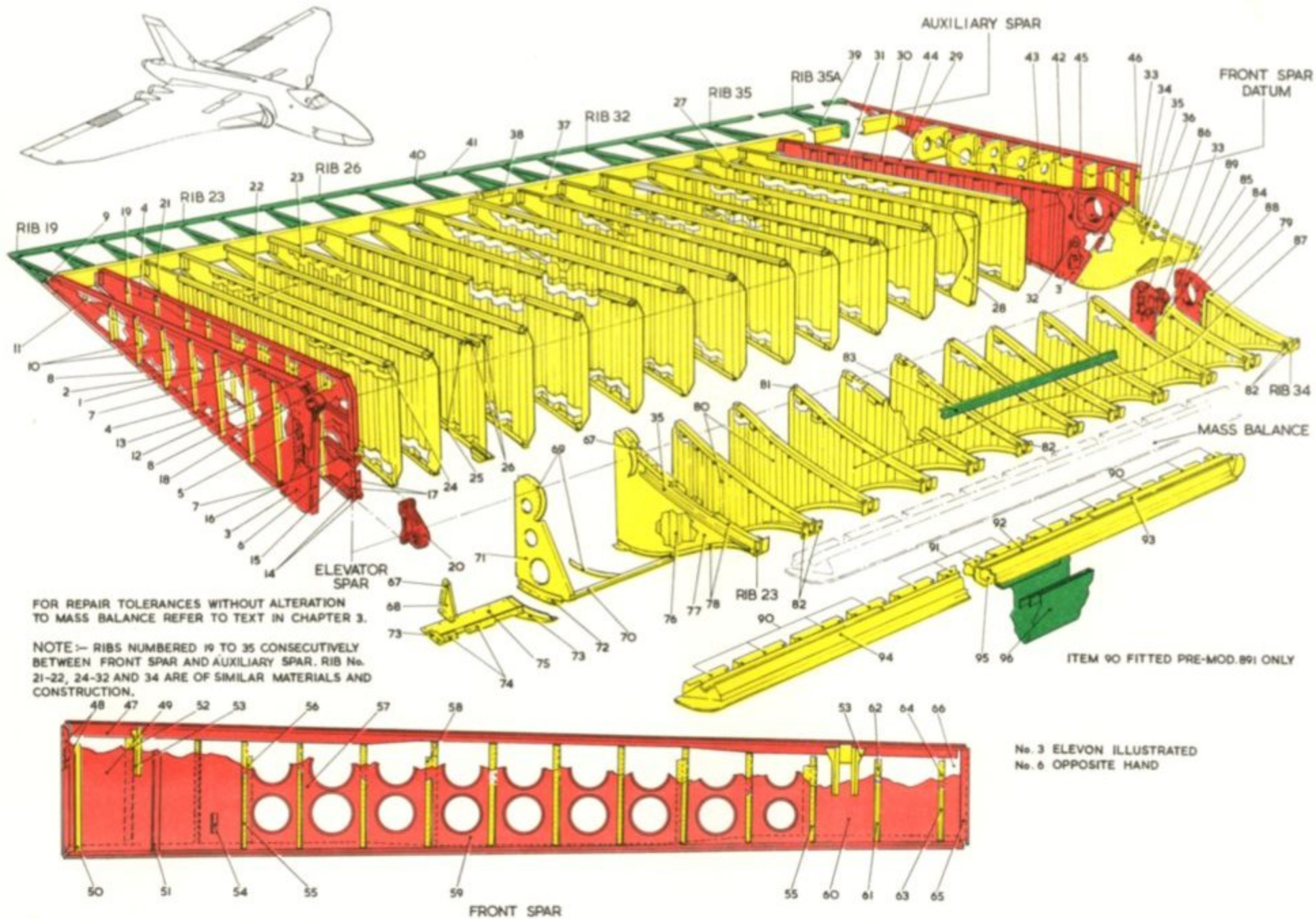


Fig. A335A Outboard elevator - No.3 elevon (No.6 opposite hand)

RESTRICTED

KEY TO FIG. A335A

Item	Material		Description	Depth	Negligible Damage			Repair Fig.
	Spec.	S.W.G. or Section			Dents	Holes		
					Dist. Apart	Dia.	Pitch Ratio	
1	D. T. D. 5074	416/SS.3075	Top boom	0.025	8.0	-	-	113
2	L. 72	66/SS.1793	Bottom boom	0.025	8.0	-	-	113
3	D. T. D. 687	10	Housing plate	* 0.025	8.0	0.125	12:1	-
4	L. 73	22	Web	0.05	8.0	-	-	103
5	L. 127	-	Packing	* 0.025	4.0	-	-	-
6	L. 72	16	Channel	0.025	8.0	-	-	-
7	D. T. D. 259	-	Packing	0.025	6.0	0.125	8:1	-
8	L. 72	763/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
9	D. T. D. 118	22	Tail portion	0.05	4.0	0.25	6:1	-
10	L. 72	762/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
11	L. 72	761/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
12	L. 72	12b/SS.1793	Top boom	0.025	8.0	-	-	113
13	L. 65	293/SS.3075	Bottom boom	0.025	8.0	-	-	113
14	S. 96	-	Dracket	* -	-	-	-	-
15	D. T. D. 626	18	Doubling plate	0.05	8.0	-	-	-
16	L. 72	16	Stiffener	x 0.05	8.0	0.25	6:1	113
17	L. 72	207b/SS.1703	Stiffener	0.05	8.0	0.25	8:1	113
18	L. 72	12c/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
19	L. 72	785/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
20	D. T. D. 5054	-	Hinge bracket	* -	-	-	-	-
21	D. T. D. 118	865/SS.1793	Boom	0.05	6.0	0.25	8:1	113
22	D. T. D. 118	24	Web corrugated	0.1	6.0	0.25	6:1	103
23	D. T. D. 118	24	Reinforcing strip	0.05	6.0	0.25	8:1	-
24	L. 72	20	Channel	0.05	6.0	0.25	8:1	-
25	L. 72	884/SS.1793	Boom	0.05	6.0	0.25	8:1	113
26	L. 72	18	Angle	x 0.05	6.0	0.25	8:1	-
27	L. 72	992/SS.1793	Boom	0.05	6.0	0.25	8:1	113
28	L. 72	18	Gusset plate	* 0.025	8.0	0.125	12:1	-
29	L. 72	18	Double channel	0.025	8.0	0.25	10:1	-
30	L. 72	18	Channel	0.025	8.0	-	-	-
31	D. T. D. 118	24	Web corrugated	0.05	6.0	0.25	10:1	103
32	D. T. D. 259	-	Block	0.025	6.0	0.125	8:1	-
33	L. 77	-	Housing	* -	-	-	-	-
34	L. 72	20	Channel	0.05	8.0	0.25	8:1	-
35	L. 72	664/SS.1793	Angle	0.25	8.0	-	-	-
36	L. 72	20	Web	0.05	8.0	-	-	103

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A335A (Cont'd.)

Item	Material		Description	Dents Depth	Negligible Damage		Holes Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section			Dist. Apart	Dia.		
37	D. T.D. 118 or D. T.D. 626	18	Channel	0.05	6.0	0.25	8:1	-
38	D. T.D. 118 or D. T.D. 626	18	Joint plate	x 0.05	6.0	0.25	8:1	-
39	D. T.D. 118	24	Tail rib	0.05	4.0	0.25	6:1	103
40	D. T.D. 118	22	Plate	0.05	4.0	-	-	-
41	D. T.D. 118 or D. T.D. 259	10	Strip	0.025	4.0	-	-	-
42	L. 72	20	Support	0.05	6.0	0.25	6:1	-
43	L. 72	22	Diaphragm	0.05	6.0	0.25	6:1	103
44	L. 72	133/SS. 1793	Angle	0.025	8.0	-	-	-
45	D. T.D. 626	20	End plate	0.05	8.0	0.25	10:1	-
46	L. 72	20	End member	0.05	6.0	0.25	6:1	-
47	D. T.D. 5074	16/B. 1824	Spar boom	* -	-	-	-	-
48	L. 65 or L. 85	249/SS. 1793	Angle	-	-	-	-	-
49	L. 73	12	Web	0.025	8.0	-	-	103
50	L. 72	12a/SS. 1793	Angle	0.05	6.0	0.25	8:1	-
51	L. 72	425/SS. 1793	Angle	0.05	6.0	0.25	8:1	-
52	L. 72	314/SS. 1793	Angle	0.05	6.0	0.25	8:1	-
53	D. T.D. 118	18	Slings bracket	x 0.025	8.0	0.25	10:1	-
54	L. 65 or L. 85	277/SS. 3075	Bracket	x 0.025	8.0	-	-	-
55	L. 72	13b/SS. 1793	Angle	0.05	6.0	0.25	8:1	-
56	L. 72	14	Butt strap	* 0.025	8.0	0.25	10:1	-
57	L. 72	14	Web	0.025	6.0	0.125	16:1	103
58	L. 72	18	Butt strap	* 0.05	6.0	0.25	8:1	-
59	L. 72	18	Web	0.025	6.0	0.125	12:1	103
60	L. 73	10	Web	0.025	8.0	-	-	103
61	L. 65	488/SS. 3075	Channel	0.05	6.0	0.25	8:1	-
62	L. 72	993/SS. 1793	Channel	0.05	6.0	0.25	8:1	-
63	L. 72	381/SS. 1793	Channel	0.05	6.0	0.25	8:1	-
64	L. 72	314/SS. 1793	Angle	-	-	-	-	-
65	L. 65	404/SS. 3075	Angle	-	-	-	-	-
66	L. 73	16	Doubling plate	0.025	6.0	-	-	-
67	L. 72	18	Angle	x 0.05	6.0	0.25	6:1	-
68	L. 72	20	Support bracket	0.05	6.0	0.25	6:1	-
69	L. 72	762/SS. 1793	Angle	x 0.05	6.0	0.25	6:1	-
70	L. 72	788/SS. 1793	Angle	x 0.05	6.0	0.25	6:1	-
71	L. 72	20	Former	0.05	6.0	0.25	6:1	103
72	L. 72	12a/SS. 1793	Angle	x 0.05	6.0	0.25	6:1	-

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A335A (Cont'd.)

Item	Material		Description	Negligible Damage			Pitch Ratio	Repair Fig.
	Spec.	S.W.G. or Section		Dents	Dist. Apart	Holes Dia.		
73	L. 72	112/SS. 1793	Angle	0.05	6.0	0.25	6:1	-
74	L. 72	27/SS. 1793	Angle	0.05	6.0	0.25	6:1	-
75	L. 72	18	Panel	0.05	6.0	0.25	6:1	103
76	D. T. D. 118	24	Web corrugated	0.1	6.0	0.25	6:1	103
77	D. T. D. 118	22	Web	0.05	8.0	0.25	8:1	103
78	L. 72	878/SS. 1793	Boom	0.05	8.0	0.25	8:1	-
79	L. 72	864/SS. 1793	Boom	0.05	8.0	0.25	8:1	-
80	D. T. D. 118	24	Web corrugated	0.1	6.0	0.25	6:1	-
81	L. 72	20	Channel	0.05	8.0	0.25	8:1	-
82	L. 72	20	Angle	x 0.05	6.0	0.25	6:1	-
83	L. 72	767/SS. 1793	'Z' member	0.05	6.0	-	-	-
84	L. 72	14	Side plate	0.025	8.0	0.125	12:1	-
85	L. 72	20	Channel	x 0.05	8.0	-	-	-
86	L. 77	-	Spacer block	* -	-	-	-	-
87	D. T. D. 118	24	Web corrugated	0.1	6.0	0.25	6:1	-
88	L. 72	22	Plate	0.025	8.0	0.125	12:1	-
89	S. 510	22	Boss	* -	-	-	-	-
90	LEAD	-	Balance weight (Pre. Mod. 891)	0.15	5.0	-	-	-
91	LEAD	-	Balance weight (Pre. and Post Mod. 891)	0.15	5.0	-	-	-
92	L. 72	18	Channel	0.05	6.0	0.25	8:1	-
93	S. 510	16	Balance strip	x 0.1	6.0	-	-	-
94	S. 510	20	Shroud	0.1	6.0	-	-	-
95	LEAD	-	Mass balance weight	0.15	5.0	-	-	-
96	INDIANA CLOTH	0.03 in.	Seal	-	-	-	-	406

* No repairs permitted

x More expedient to renew than repair

All dimensions are quoted in inches

KEY TO FIG. A335 (POST MOD.891)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents Depth	Dist. Apart	Holes Dia.	Pitch Ratio	
1	D.T.D.626	20	End plate	0.025	6.0	0.25	8:1	103
2	L.72	761/SS.1793	Boom	0.025	8.0	-	-	113
3	L.72	20	Diaphragm	-	-	-	-	-
4	D.T.D.118	22	Diaphragm	-	-	-	-	-
5	D.T.D.118	22	Angle	x 0.05	6.0	0.25	6:1	-
6	L.73	22	Angle	x 0.25	10.0	0.125	8:1	-
7	L.73	22	Packing block	* -	-	-	-	-
8	L.73	20	Web boom	0.05	6.0	0.25	8:1	-
9	L.73	20	Doubling piece	x 0.05	6.0	0.25	8:1	-
10	L.73	882/SS.1793	Web boom	0.05	6.0	0.25	8:1	-
11	L.73	24	Web	-	-	-	-	-
12	L.73	22	Angle	x 0.05	6.0	0.25	8:1	-
13	D.T.D.687	10	Hinge plate	* 0.025	8.0	0.125	12:1	-
14	L.73	16	Channel	x 0.025	8.0	-	-	-
15	S.510	-	Bearing housing	* -	-	-	-	-
16	D.T.D.118	865/SS.1793	Boom No.2 rib	0.05	6.0	0.25	8:1	-
17	D.T.D.118	24	Reinforcing strip	x 0.05	6.0	0.25	8:1	-
18	D.T.D.118	24	Web No.2 rib	0.05	6.0	0.25	8:1	-
19	D.T.D.118	20	Boom	0.05	6.0	0.25	8:1	-
20	D.T.D.118	24	Web No.3 rib	0.05	6.0	0.25	8:1	-
21	D.T.D.118	22	Angle	x 0.05	6.0	0.25	6:1	-
22	L.72	20	Channel	x 0.025	8.0	-	-	-
23	L.72	18	Gusset	x 0.05	6.0	0.25	8:1	-
24	D.T.D.118	24	Web	0.05	6.0	0.25	8:1	-
25	L.72	20	Angle	x 0.05	6.0	0.25	8:1	-
26	L.72	884/SS.1793	Boom	0.05	6.0	0.25	8:1	-
27	D.T.D.118	22	Web	0.05	6.0	0.25	8:1	-
28	L.72	785/SS.1793	Angle	x 0.05	6.0	0.25	8:1	-
29	L.72	12b/SS.1793	Boom	0.05	6.0	0.25	8:1	-
30	L.65	293/SS.3075	Boom	0.05	6.0	0.25	8:1	-
31	L.72	12c/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
32	S.96	-	Bracket	* -	-	-	-	-
33	L.72	763/SS.1793	Stiffener	x 0.05	6.0	0.25	8:1	113
34	L.72	762/SS.1793	Angle	x 0.05	6.0	0.25	8:1	113
35	L.72	761/SS.1793	Angle	x 0.05	6.0	0.25	8:1	113
36	L.72	763/SS.1793	Angle	x 0.05	6.0	0.25	8:1	-
37	D.T.D.118	20	Angle	x 0.05	6.0	0.25	6:1	-

x More expedient to replace than repair

* No repairs permitted

All dimensions are quoted in inches

RESTRICTED

KEY TO FIG. A335 (POST MOD.891) - (continued)

Item	Material		Description	Negligible Damage				Repair Fig.
	Spec.	S.W.G. or Section		Dents	Holes			
				Depth	Dist. Apart	Dia.	Pitch Ratio	
38	D.T.D.687	10	Housing plate	x 0.025	8.0	0.125	12:1	-
39	L.72	16	Boom	0.025	8.0	-	-	-
40	L.73	22	Web plate	0.05	8.0	-	-	-
41	D.T.D.118	22	Tail portion	0.05	4.0	0.25	6:1	-
42	D.T.D.118	22	Tail rib	0.05	4.0	0.25	6:1	-
43	L.72	853/SS.1793	Stiffener	x 0.05	4.0	0.25	6:1	103
44	D.T.D.118	18	Spar section	0.05	6.0	0.25	8:1	-
45	D.T.D.118	18	Butt strap	x 0.05	6.0	0.25	8:1	-
46	L.72	864/SS.1793	Boom	0.05	8.0	0.25	8:1	-
47	L.72	787/SS.1793	Sealing angle	x 0.05	6.0	0.25	6:1	-
48	L.73	20	Gusset	x 0.05	6.0	0.25	6:1	-
49	D.T.D.118	24	Web	0.5	6.0	-	-	-
50	L.72	18	Nose former	-	-	-	-	-
51	L.73	18	Panel	0.05	6.0	0.25	6:1	113
52	L.72	314/SS.1793	Angle	x 0.05	6.0	0.25	8:1	-
53	D.T.D.363	428/SS.3075	Angle	x 0.05	6.0	0.25	8:1	-
54	D.T.D.423 or L.40	249/SS.3075	Angle	x 0.05	6.0	0.25	8:1	-
55	L.72	12	Web	0.025	8.0	-	-	-
56	L.72	14	Web	0.025	6.0	0.125	16:1	-
57	L.72	18	Web	0.025	6.0	0.125	12:1	-
58	D.T.D.363	431/SS.3075	Bottom boom	-	-	-	-	-
59	D.T.D.424	249/SS.3075	Angle	-	-	-	-	-
60	D.T.D.363	428/SS.3075	Angle	-	-	-	-	-
61	D.T.D.118	12	Web	0.5	6.0	-	-	-
62	L.72	878/SS.1793	Boom	0.05	8.0	0.25	8:1	-
63	L.72	18	Angle	x 0.05	6.0	0.25	6:1	-
64	D.T.D.118	20	Web	0.05	8.0	-	-	-
65	L.72	18	Stiffening plate	x 0.05	6.0	0.25	6:1	-
66	L.72	18	Angle	0.05	6.0	0.25	6:1	-
67	L.72	20	Support bracket	0.05	4.0	0.25	6:1	-
68	L.72	18	Detachable panel	0.05	8.0	-	-	103
69	L.72	20	Rib former	0.05	4.0	0.25	6:1	-
70	L.72	20	Angle	x 0.05	6.0	0.25	6:1	-
71	L.72	762/SS.1793	Angle	x 0.05	6.0	0.25	6:1	-
72	L.72	788/SS.1793	Angle	x 0.05	6.0	0.25	6:1	-
73	L.72	20	Retaining strip	x 0.1	6.0	0.25	6:1	-
74	D.T.D.297 or L.44	447/SS.3075	Retaining strip	x -	-	-	-	-

x More expedient to replace than repair

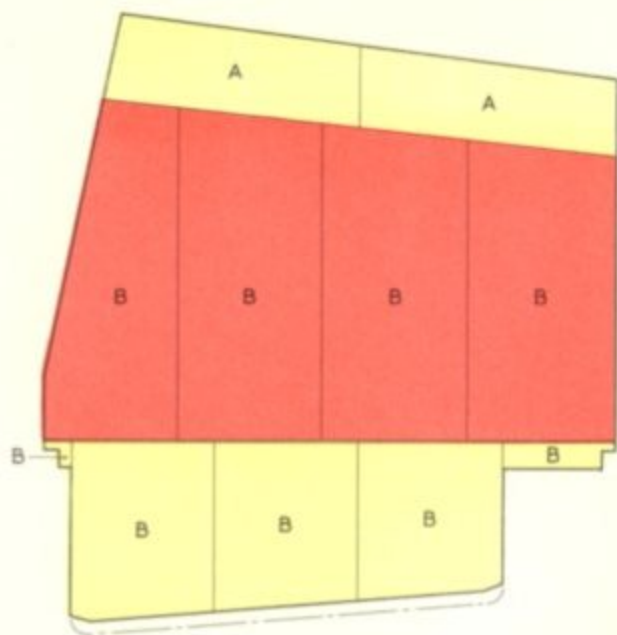
* No repairs permitted

All dimensions are quoted in inches

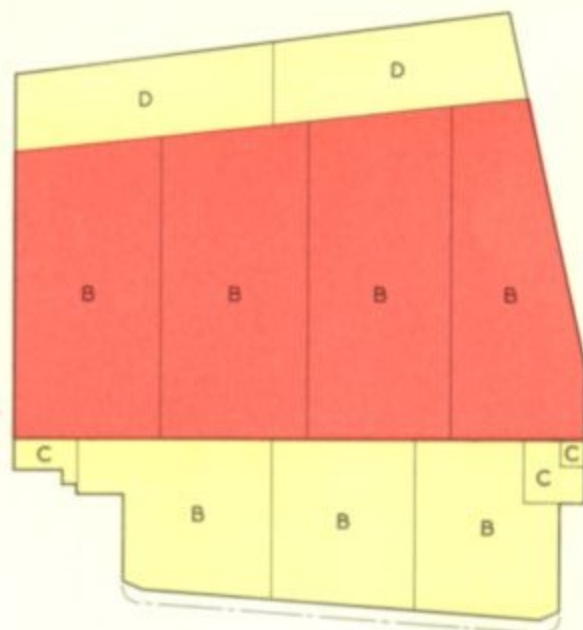
RESTRICTED

FOR REPAIRS SEE FIG. 103 AND FIG. 104
DAMAGE IN AREAS OF CONCENTRATED
RIVETING MUST BE REPAIRED WITH
JOINTS ARRANGED OUTSIDE THE AREA

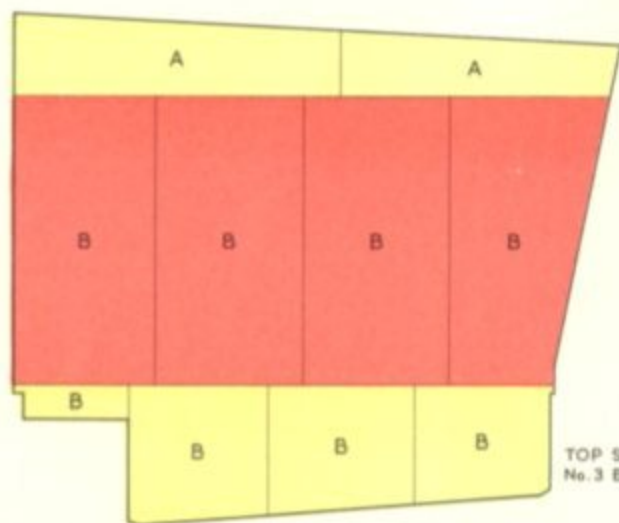
SKIN REFERENCE		
LETTER	S. W. G.	MAT. SPEC.
A	22	D.T.D. 118 A
B	18	D.T.D. 626
C	18	L72
D	22	L72



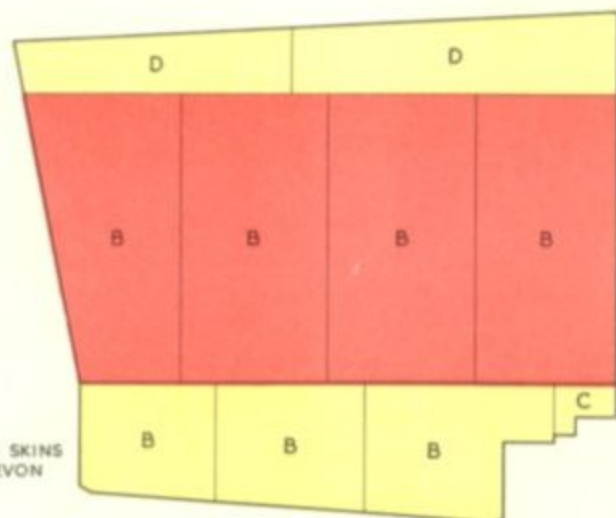
TOP SKINS
No. 4 ELEVON



BOTTOM SKINS
No. 4 ELEVON



TOP SKINS
No. 3 ELEVON



BOTTOM SKINS
No. 3 ELEVON

NEGLECTIBLE DAMAGE		
COLOUR	DENTS	DIST. APART
RED	0.025 IN.	6.0 IN.
YELLOW	0.05 IN.	6.0 IN.
GREEN	—	—

FOR REPAIR TOLERANCES WITHOUT
ALTERATION TO THE MASS BALANCE
REFER TO TEXT IN CHAPTER 3.

FIG. A 335B. No. 3 & 4 elevon skins (No. 5 & 6 opposite hand)

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NOTE :-
FOR WEATHERPROOFING OF COMBINED
STRINGER AND SKIN REPAIR SEE TEXT
IN PART I, CHAP. I

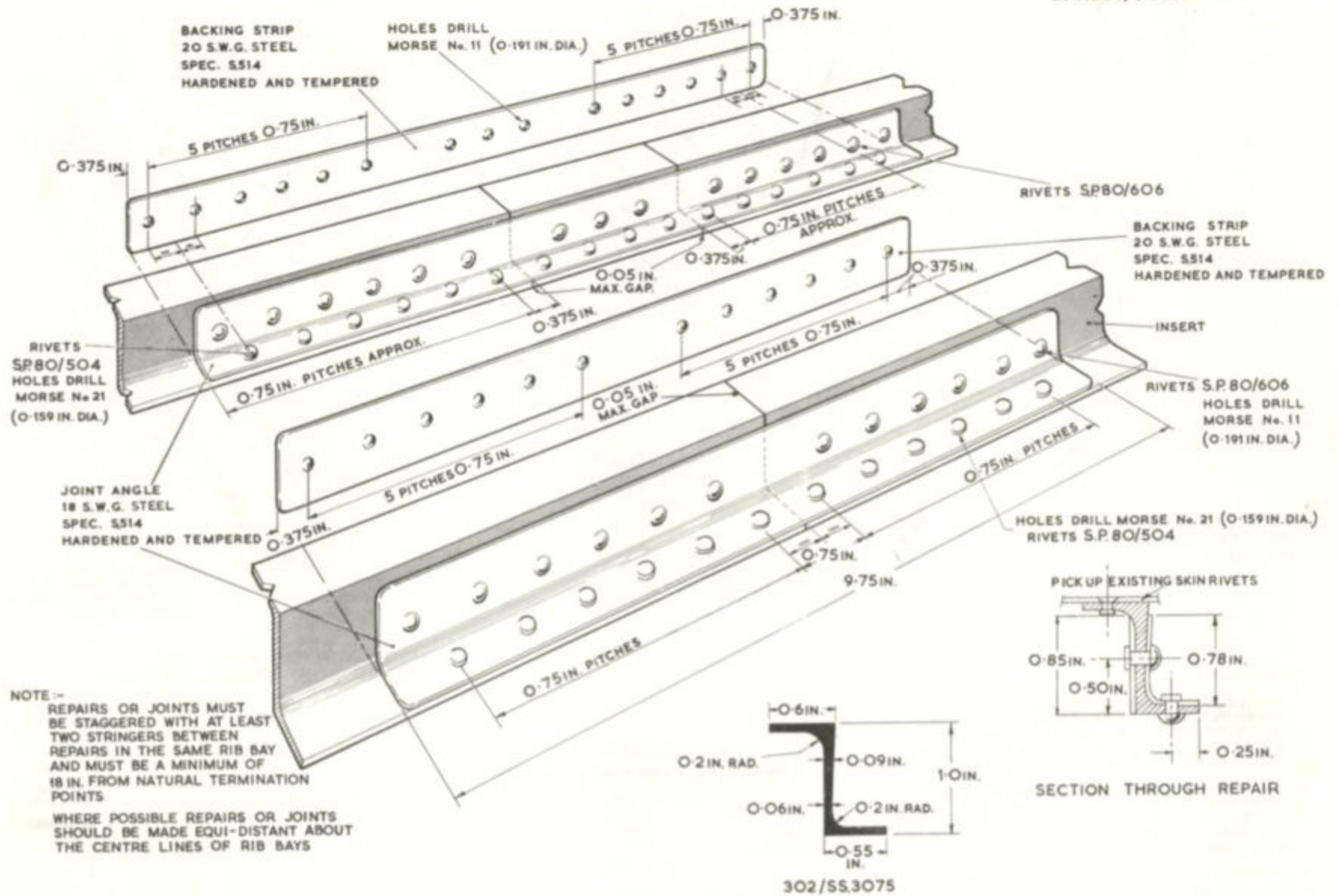
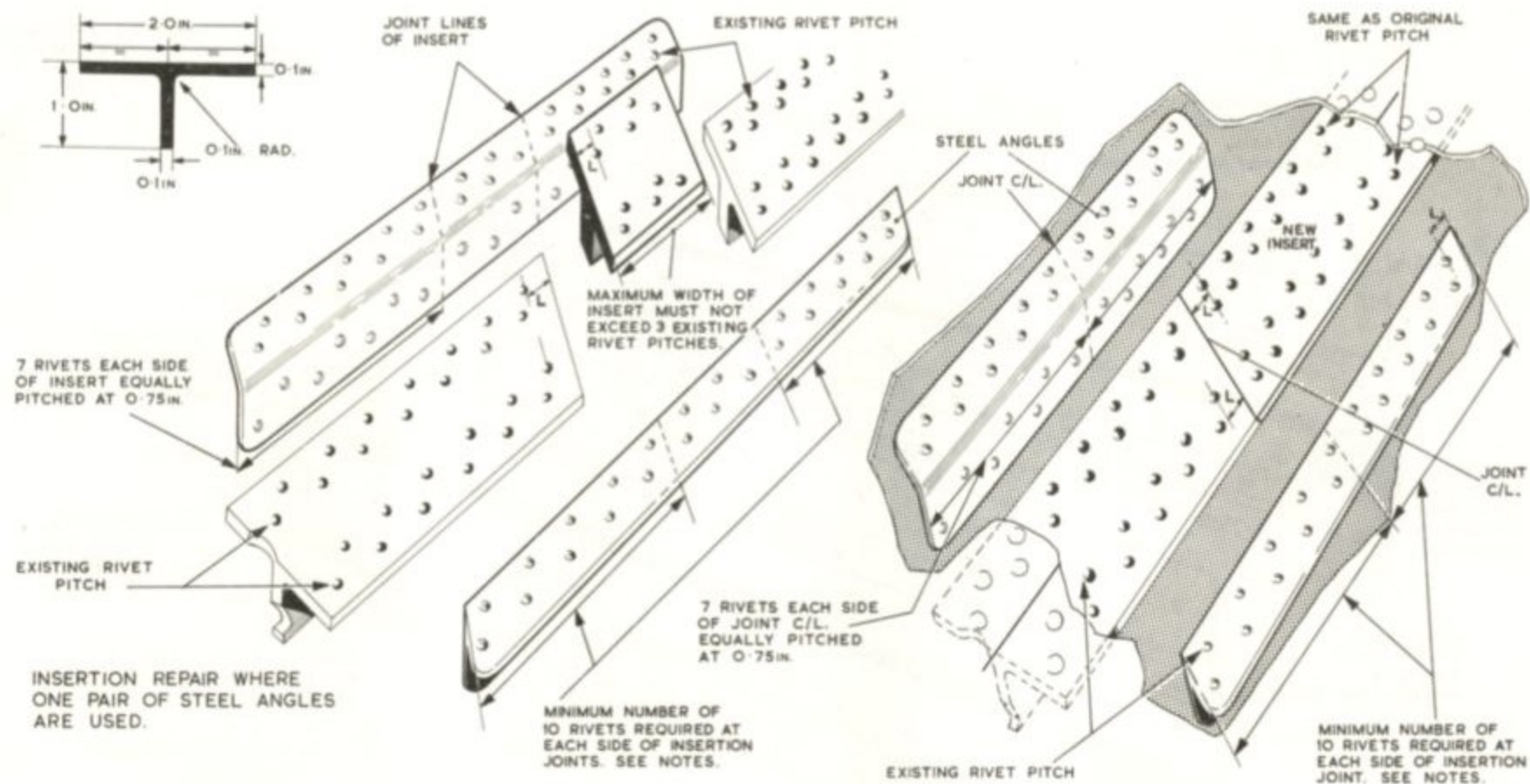


FIG. A 372. 'Z' section stringer repair (302 SS. 3075)

RESTRICTED

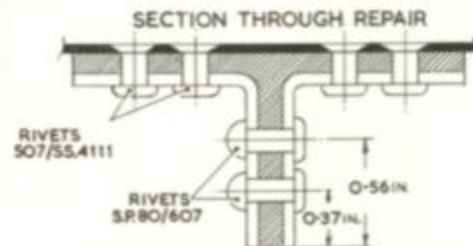


REPAIR NOTES:-

1. THE NUMBER OF SKIN RIVETS EACH SIDE OF INSERTION JOINT, IS GOVERNED BY THE LENGTH OF THE REPAIR ANGLES WHICH MUST HAVE SEVEN RIVETS FITTED AS DRAWN AT EACH SIDE OF THE JOINT, IN THE VERTICAL SECTION OF THE TEE STRINGER.
2. THE MINIMUM NUMBER OF SKIN RIVETS REQUIRED AT EACH SIDE OF THE JOINT IS TWENTY, BUT DUE TO THE EXISTING SKIN RIVET PITCHES AND LENGTH OF THE REPAIR ANGLES, THIS NUMBER WILL PROBABLY BE EXCEEDED.

THIS REPAIR IS APPLICABLE TO AREAS WHERE $\frac{5}{32}$ IN. DIA. RIVETS ARE USED FOR ATTACHMENT OF SKINS.

L = LANDING, HALF OF EXISTING RIVET PITCH.



INSERTION REPAIR WHERE TWO PAIRS OF STEEL ANGLES ARE USED.

STEEL ANGLE SECTION 16 S.W.G. SPEC. S514 (HARDENED AND TEMPERED)

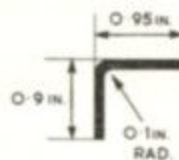
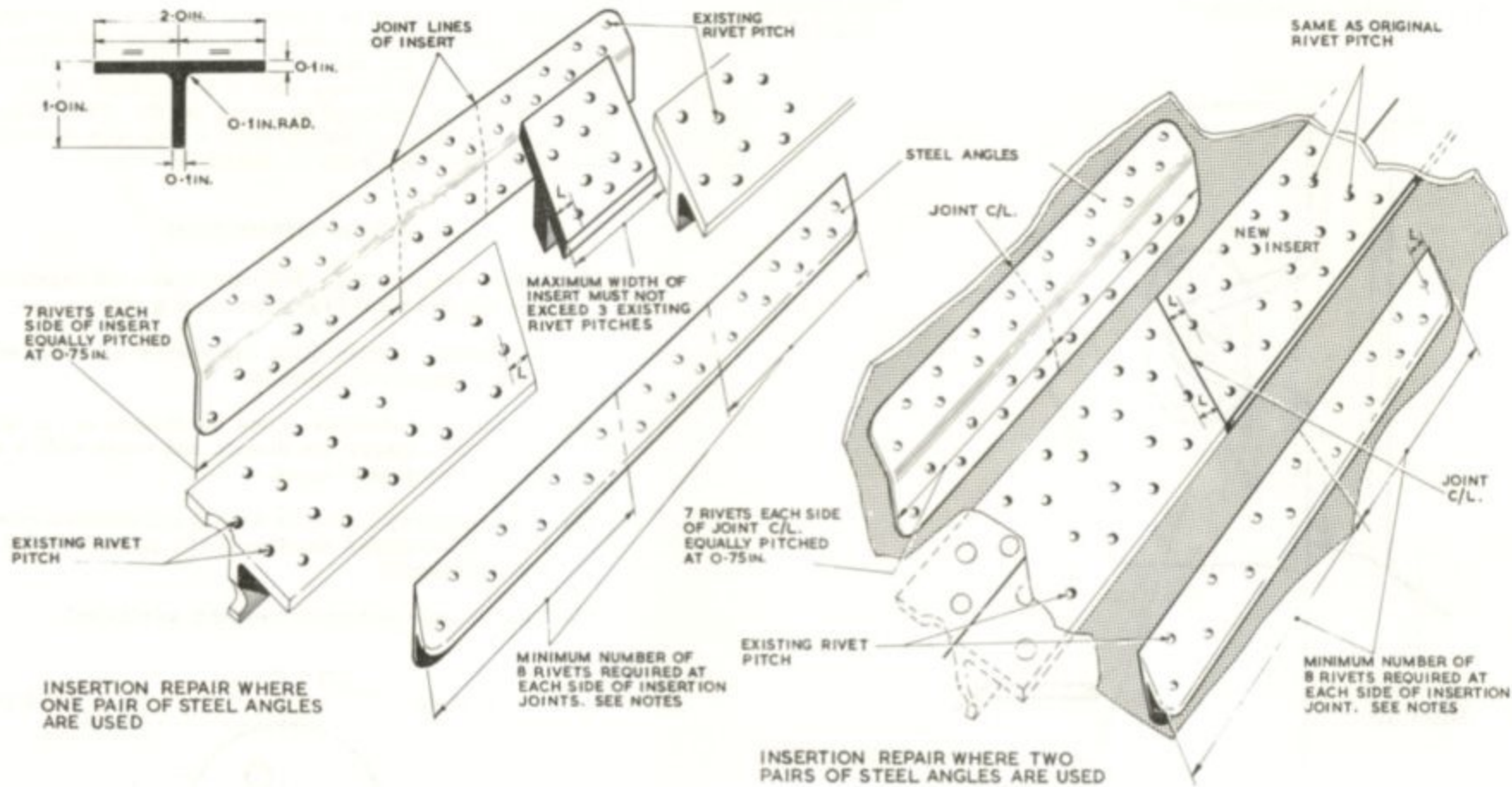


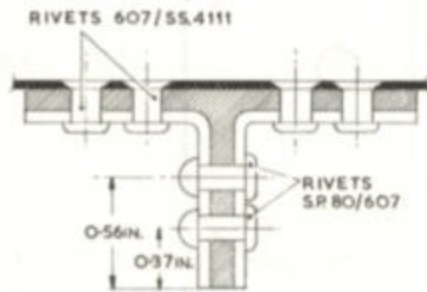
Fig. A373. 'T' section stringers - insertion repairs (30I/ SS.3075)

Redrawn
RESTRICTED



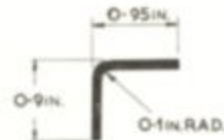
INSERTION REPAIR WHERE ONE PAIR OF STEEL ANGLES ARE USED

INSERTION REPAIR WHERE TWO PAIRS OF STEEL ANGLES ARE USED



SECTION THROUGH REPAIR

STEEL ANGLE SECTION 16 S.W.G. SPEC. S514 (HARDENED AND TEMPERED)



REPAIR NOTES:-

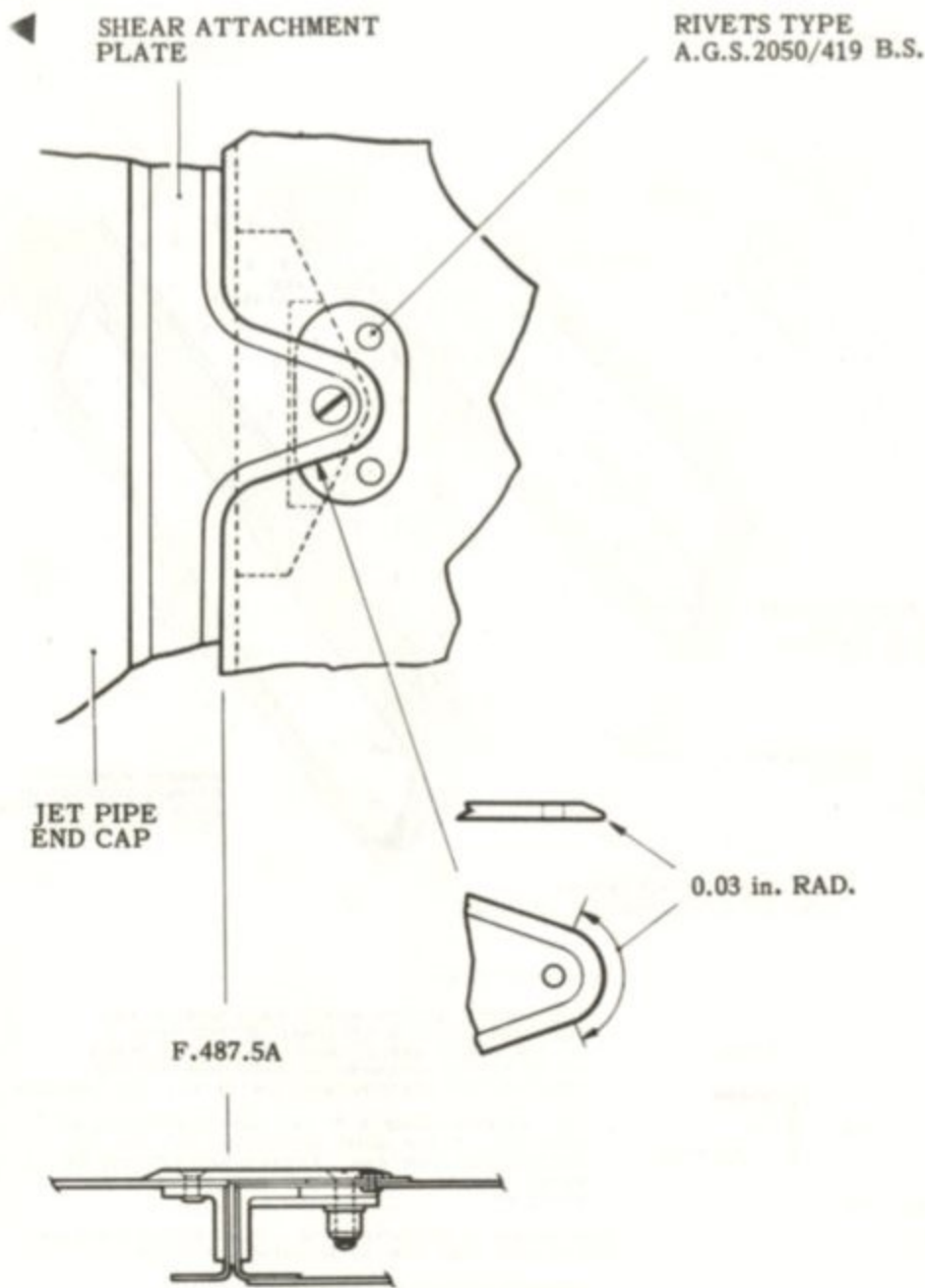
1. THE NUMBER OF SKIN RIVETS EACH SIDE OF THE INSERTION JOINT, IS GOVERNED BY THE LENGTH OF THE REPAIR ANGLES WHICH MUST HAVE SEVEN RIVETS FITTED AS DRAWN AT EACH SIDE OF THE JOINT, IN THE VERTICAL SECTION OF THE TEE STRINGER.
2. THE MINIMUM NUMBER OF SKIN RIVETS REQUIRED AT EACH SIDE OF THE JOINT IS SIXTEEN, BUT DUE TO THE EXISTING SKIN RIVET PITCHES AND LENGTH OF REPAIR ANGLES, THIS NUMBER WILL PROBABLY BE EXCEEDED.

THIS REPAIR IS APPLICABLE TO AREAS WHERE $\frac{3}{16}$ IN DIA. RIVETS ARE USED FOR ATTACHMENT OF SKINS.

L=LANDING, HALF OF EXISTING RIVET PITCH.

Fig. A373A: 'T' section stringers - insertion repairs (301/55.3075)

Redrawn
RESTRICTED



NOTE . . .

To prevent chafing or as a repair if the skin is only slightly damaged, rubbing plates should be fitted at the shear plate attachments. If the skin is fractured, repair as illustrated on Fig.A375. The forward edge of each finger on the shear plates, should be radiused as shown on the illustration. If this operation is being done in-situ, a thin shim plate should be inserted under the finger, to protect the skin.

REPAIR INSTRUCTIONS

- (1) Remove csk./hd. bolt, thoroughly clean and degrease the area required for fitting of the rubbing plate.
- (2) Manufacture rubbing plate and remove all sharp edges, harden, temper and degrease.
- (3) To ensure no Araldite enters the threads of the anchor nut, lightly grease the threads and cover with a small disc of grease proof paper.
- (4) Attach plate with Araldite AV.121 and complete riveting. Wipe off any exuded Araldite, lightly grease csk./hd. bolt and re-assemble.
- (5) Finally apply protective treatment as required.

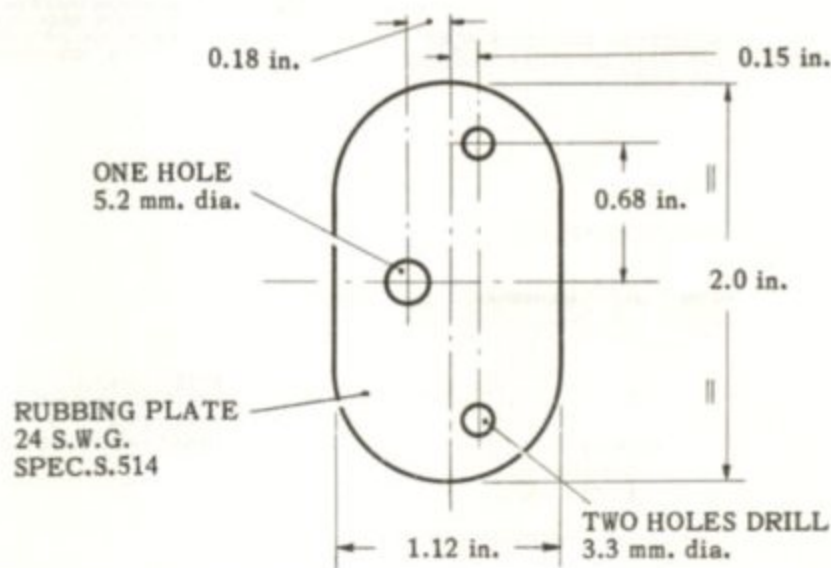
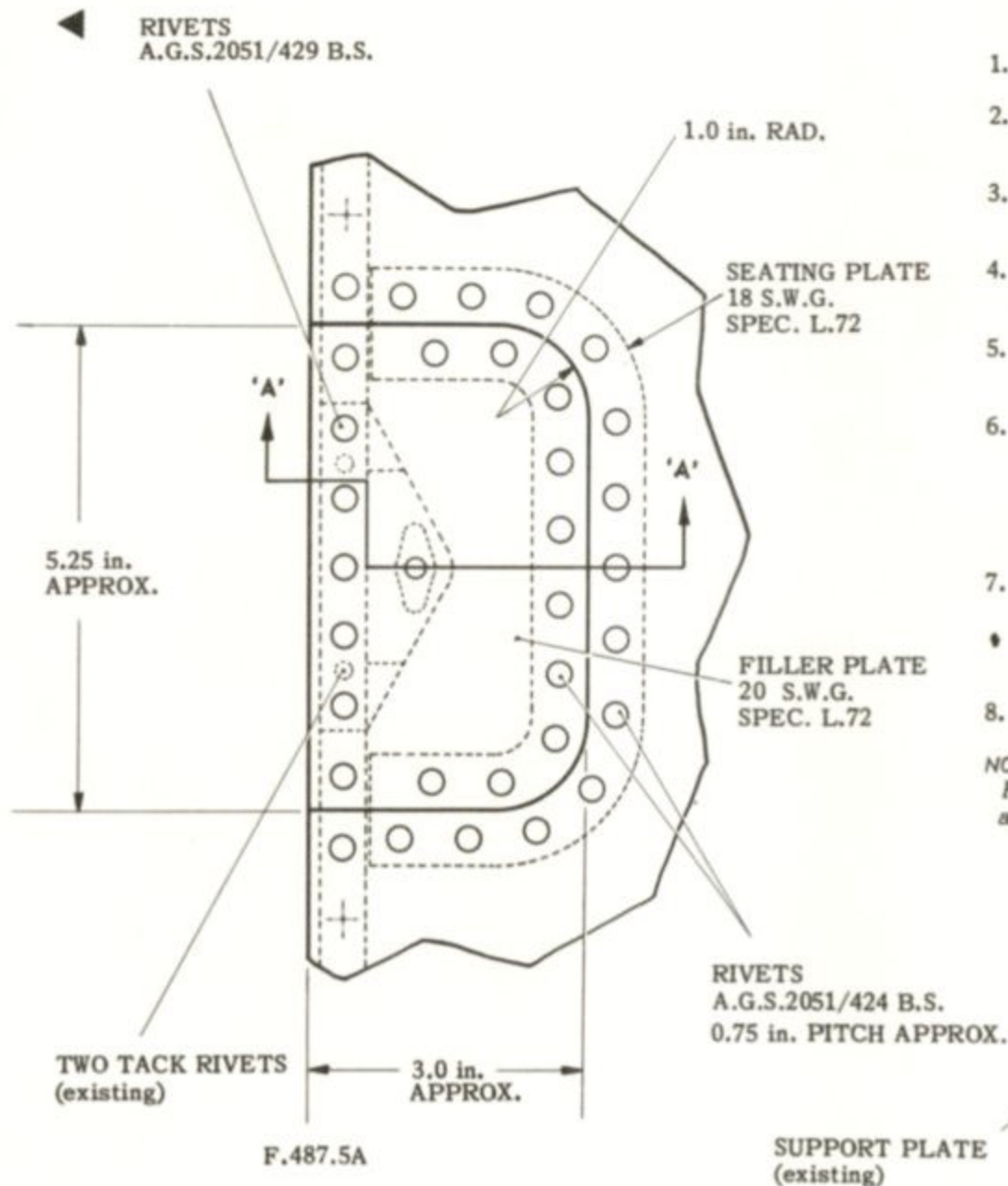


Fig.A374. Repair for skin chafing at jet pipe end cap shear attachments

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REPAIR INSTRUCTIONS

1. Remove jet pipe end cap.
2. Drill out all rivets, where required, to assist in removal of damaged skin.
3. Make seating plate, mark off, drill the outer row of holes only and remove all burrs.
4. Position seating plate on the skin, clamp and drill through the existing holes.
5. Release seating plate, remove all burrs from the skin and re-assemble seating plate in its correct position.
6. Make filler plate, mark off and drill all seating plate attachment holes. Remove all burrs, assemble and drill the seating plate in conjunction with the filler plate. Back drill the filler plate in conjunction with the existing holes in the former and support plate.
7. Finally remove all remaining burrs and clean out any swarf in the structure. Apply protective treatment to the repair items, coat the joint faces with Celloseel and complete riveting.
8. Fit rubbing plate as instructed on Fig. A374.

NOTE . . .

Rivets 5/32 in. dia. must be fitted in holes which are elongated and oversize.

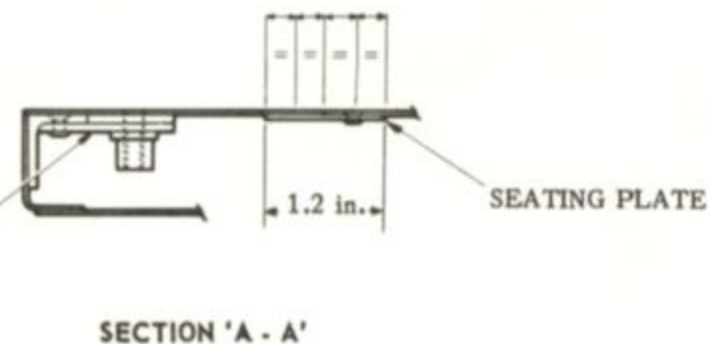


Fig. A375 Skin insert repair at jet pipe end cap shear attachments

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