

CHAPTER 4

CHAPTER 4

FUSELAGE

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CHAPTER 4

FUSELAGE

General

1. The fuselage, which is illustrated in Fig. 4/1, comprises an inner and outer skin of plywood, sandwiching a layer of balsa wood, plus various spruce reinforcing members, jig positioned and cemented together with synthetic resin glue.

Reference to the illustrations will show the plywood grain direction shown by two double arrows crossed by one double arrow, the latter denoting the internal ply.

The fuselage nose and wheel fairing are of metal construction. Tubular metal members transmit wing bending loads across the nacelle between the main wing attachment points, which are located at the engine bulkhead, whilst false spar pick-up points at the lighter bulkhead forward of the main fuel tank take mainly drag loads.

Details of wooden bulkheads, access door and floorings are given in Figs. 4/7, 4/8, 4/9 - 4/11, 4/12 and 4/13, whilst details of the metal nose and wheel fairing are given in Figs. 4/14, 4/15 and 4/16. Tables in this chapter are cross referenced to each figure, giving the part number and detail of each part.

Repair Restrictions

2. The fuselage shell may only be repaired within certain specified limits in the shaded areas shown in Fig. 4/1.

In such areas the repair must not involve an interskin member. Where the damage to be repaired approaches a main member, no repair can be affected unless there is room for the appropriate patch lap.

Negligible Damage

3. The various definitions of negligible damage for components of the fuselage are set out in Table No. 18.

Repairs

4. Table No. 18 gives the relevant repairs applicable to each component. The specific repairs given for each size of damage must be rigidly adhered to.

Identification numbers for repair material are shown in Table 3, Chap. 1.

Wear Limits

5. Wear limits for all male and female parts of the principal fittings in the fuselage are given in Table 30 and shown on Fig. 4/19; reference should be made to Fig. 1/6 for the method of application.

Cabin Sealing

6. The efficiency of cabin sealing depends to a large extent on the manner in which each bolt or fitting which passes through into the sealed area is bonded to the cabin surround with sealing compound. Where this sealing is broken in carrying out repairs, the components must be cleaned with cleaner such as Trichlorethylene, and resealed with 'Peratol' or 'Bostik' 1751 and 1790, in the approved manner. (For method of application, see A.P. 1464B, Vol. 1, Sectn. 4).

Identification numbers of sealing compounds and activators are listed at the end of Table 3—Repair Materials.

For further information, including testing, see A.A.P. 828, Sectn. 4, Chap. 3.

TABLE 18
FUSELAGE
DEFINITIONS OF NEGLIGIBLE AND REPAIRABLE DAMAGE

Components.	Definition of Damage.		Repair Fig. No.	Repair Material Item Nos.
	Negligible.	Repairable.		
SKIN	Bruises, one lamination, deep. .75" across and 2.0" along the grain. 12.0" apart.	Holes: .6" x 1.8", 12.0" apart. 3.0" diameter, 18.0" apart. 5.0" diameter, 3 holes, 12.0" apart. 6.0" diameter, 18.0" apart.	4/2 } 4/4 }	2, 71
			4/5	2, 72
			4/3	2, 12, 72

TABLE 18 (Continued)

Components.	Definition of Damage.		Repair	Repair Material
SKIN (Continued)	Negligible.	Repairable.	Fig. No.	Item Nos.
		8.0" diameter, 24.0" apart.	4/6	2, 3, 12, 72
MEMBERS	Bruises .10" deep, .5" across and 2.0" along the grain. 12.0" apart.			
BULKHEADS Nos. 1 & 4 LAMINATED RINGS	Bruises .05" deep, .5" across and 1.0" along the grain. 12.0" apart.			
FACING PLY	Bruises, one lamination, deep. .5" across and 1.0" along the grain. 10.0" apart.			
BULKHEADS Nos. 2 & 3	Holes .5" diameter which do not involve a member. 12.0" apart.	Holes: 3.0" dia. (Not more than 2 holes on either face of bulkhead.)	4/10	3, 69
SPRUCE MEMBER	Bruises .10" deep .5" across and 1.0" along the grain. 12.0" apart.			
ACCESS DOOR SKIN	Bruises, one lamination, deep. .75" across and 1.0" along the grain. 12.0" apart.	Holes: .6" x 1.8", 12.0" apart. 3.0" diameter, 18.0" apart.	4/2 } 4/4 }	2, 71
MEMBERS	Bruises .10" deep, .5" across and 1.0" along the grain. 12.0" apart.			
COCKPIT & CANNON FLOOR SKIN	Holes .5" diameter, 18.0" apart.	Holes: .6" x 1.8", 12.0" apart. 3.0" diameter, 18.0" apart.	4/2 } 4/4 }	2, 71
SPRUCE MEMBERS	Bruises .10" deep, .5" across and 1.0" along the grain. 12.0" apart.			
METAL FAIRINGS & DOORS, SKINS	Dents .10" deep, 1.0" diameter, 12.0" apart.	Holes: .5" diameter, 1.0" diameter, 12.0" apart. 2.0" diameter, 18.0" apart. 3.0" diameter, 5.0" diameter, 24.0" apart.	4/18	17, 19, 29, 52, 57, 61
METAL FAIRING & DOORS, STIFFENERS	Dents .10" deep, .75" diameter, 12.0" apart.	Flange and Web, 1.0" long x .50" deep in web, 18.0" apart.	4/7	17, 29, 30, 34

NOTE: Repair Materials — See Table 3.

TABLE 19
FUSELAGE
COMPONENT DETAILS

See Fig. 4/1, Ref. DH. Dwg. A004161

Key No.	L.H.	Part No.	R.H.	Description.
1.	A002593A		A002592A	Fuselage Shell Half
2.	A00237A		A00238A	Assy. of Bulkhead (Ring) No. 1
3.	A004007A		A004008A	Assy. of Bulkhead No. 2
4.	A004029A		A004030A	Assy. of Bulkhead No. 3
5.	A0025A		A0026A	Assy. of Bulkhead (Ring) No. 4
6.	A007		A008	Arrangement of Fuselage Ply Skinning
7.		G001065A		G.A. of Nosewheel Top Structure
8.	A002103A		A002102A	Cockpit Opening, and Canopy Rail Assy.
9.		A00717A		Fixed Nosing
10.		A00891A		Detachable Nose Panel
11.		G00297A		Nose Wheel Fairing
12.		G00258A		Nose Wheel Fixed Fairing
13.		A001125A		Nose Wheel Housing
14.	S00159A		S00160A	Detachable Panels
15.		G00253A		Nose Wheel Door
16.	A001953A		A001954A	Cannon Beam
17.	A002573A		A002574A	Assy. of Ammunition Access Door
18.	A00333A		A00334A	Assy. of Cannon Doors
19.		A003047A		Assy. of Spar Tubes and Fireproof Bulkhead
20.	A002587A		A002586A	Assy. of Joint 'A'
21.		A003047A		Assy. of Spar Tubes and Fireproof Bulkhead
22.	A002589A		A002588A	Assy. of Joint 'B' and Bracing Tube
23.	A00889A		A00890A	Assy. of Joint Plates Fuselage Joint 'C'
24.	A00753A		A00754A	Assy. of Joint 'D'
25.	A00397A		A00398A	Bracing Tube

TABLE 20
BULKHEAD RING No. 1
MATERIAL DETAILS

Fig. No. 4/7, Ref. DH. Dwg. A00237-8A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A00479ND		A00480ND	Spruce	DTD. 36B	Laminated Bend
2.	A00481ND		A00482ND	1/16" Birch	Ply V3	Facing Plys
3.	A00483ND		A00484ND	1/16" Birch	Ply V3	Facing Plys
4.	A00485ND		A00486ND	1/8" Birch	Ply V3	Screwing Strip
5.	A00487ND		A00488ND	1/8" Birch	Ply V3	Screwing Strip
6.	A00489ND		A00490ND	Spruce	DTD. 36B	Laminated Bend
7.	A00491ND		A00492ND	Spruce	DTD. 36B	Laminated Bend
8.	A00495		A00496	Veneered Bakelite	DHA. 32	Bakelite Packing
9.	A002881ND		A002882ND	1/8" Birch	Ply V3	Packing Plys

TABLE 21
BULKHEAD RING No. 4
MATERIAL DETAILS

Fig. No. 4/7, Ref. DH. Dwg. A0025-6A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A00261ND		A00262ND	1/16" Birch	Ply V3	Facing Plys
2.	A00263ND		A00264ND	1/16" Birch	Ply V3	Facing Plys
3.	A00265ND		A00266ND	1/16" Birch	Ply V3	Facing Plys
4.	A00267ND		A00268ND	5/16" Spruce	DTD. 36B	Laminated Bend
5.	A00269ND		A00270ND	Spruce	DTD. 36B	Laminated Bend
6.	A00271ND		A00272ND	Spruce	DTD. 36B	Laminated Bend
7.	A00273ND		A00274ND	Spruce	DTD. 36B	Laminated Bend
8.	A00275ND		A00276ND	Spruce	DTD. 36B	Laminated Bend
9.	A00277ND		A00278ND	1/8" Birch	Ply V3	Screwing Strip
10.	A00279ND		A00280ND	1/8" Birch	Ply V3	Screwing Strip
11.	A00281ND		A00282ND	1/8" Birch	Ply V3	Screwing Strip
12.	A00285ND		A00286ND	Veneered Bakelite	DHA. 32	Insert
13.	A00287ND		A00288ND	Veneered Bakelite	DHA. 32	Insert
14.	A00289ND		A00290ND	Veneered Bakelite	DHA. 32	Insert
15.	A002879ND		A002880ND	1/8" Birch	Ply V3	Facing Ply
16.	A002875ND		A002876ND	1/8" Birch	Ply V3	Facing Ply

TABLE 22
BULKHEAD No. 2
MATERIAL DETAILS

Fig. No. 4/8, DH. Ref. Dwg. A004007-8A

Key No.	Part No.	L.H.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A00741ND		A00742ND	Spruce	DTD. 36B	Member
2.	A00935ND		A00936ND	Spruce	DTD. 36B	Member
3.			A001364ND	Spruce	DTD. 36B	Taper Packing
4.			A001365ND	Spruce	DTD. 36B	Taper Packing
5.			A004092A	—	—	Packing Block
6.	A002100ND		A002101ND	1/16" Birch	Ply V3	Front Ply
7.	A002097ND		A002098ND	1/16" Birch	Ply V3	Rear Ply
8.	A002785ND		—	Spruce	DTD. 36B	Insert
9.	A002765ND		—	Spruce	DTD. 36B	Insert
10.	A002090ND		A002090ND	Spruce	DTD. 36B	Insert
11.	A002099ND		A002098ND	Spruce	DTD. 36B	Laminated Bend
12.	A001381ND		A001382ND	Spruce	DTD. 36B	Insert
13.	A001383ND		A001383ND	Spruce	DTD. 36B	Insert
14.	A001385ND		A001385ND	Spruce	DTD. 36B	Insert
15.	A001386ND		—	Spruce	DTD. 36B	Insert
16.	—		A001387ND	Spruce	DTD. 36B	Insert
17.	—		A001388ND	Spruce	DTD. 36B	Insert
18.	A001389ND		A001389ND	Spruce	DTD. 36B	Insert
19.	A001384ND		A001384ND	Spruce	DTD. 36B	Insert
20.	A001391ND		A001391ND	Spruce	DTD. 36B	Insert
21.	A001392ND		—	Spruce	DTD. 36B	Insert Block
22.	A001393ND		—	Spruce	DTD. 36B	Insert Block
23.	A001394ND		—	Spruce	DTD. 36B	Insert
24.	A001395ND		—	Spruce	DTD. 36B	Insert
25.	A001396ND		—	Spruce	DTD. 36B	Insert
26.	A001397ND		A001397ND	Spruce	DTD. 36B	Insert
27.	A001398ND		—	Spruce	DTD. 36B	Insert Block
28.	A001399ND		—	Spruce	DTD. 36B	Insert Block
29.	—		A001400ND	Spruce	DTD. 36B	Insert Block
30.	—		A001401ND	Spruce	DTD. 36B	Insert Block
31.	—		A001402ND	Spruce	DTD. 36B	Insert
32.	—		A001403ND	Spruce	DTD. 36B	Insert Block
33.	—		A001404ND	Spruce	DTD. 36B	Insert
34.	—		A001405ND	Spruce	DTD. 36B	Insert
35.	A001406ND		A001406ND	Spruce	DTD. 36B	Insert
36.	A001407ND		A001407ND	Spruce	DTD. 36B	Insert
37.	A001408ND		A001408ND	Spruce	DTD. 36B	Insert
38.	A002095ND		A002095ND	Spruce	DTD. 36B	Insert
39.	A001410ND		A001410ND	1/16" Birch	Ply V3	Gusset
40.	A001411ND		A001411ND	1/16" Birch	Ply V3	Gusset
41.	A001412ND		—	5/64" Birch	Ply V3	Ply Patch
42.	—		A002766ND	Spruce	DTD. 36B	Insert
43.	A002269ND		A002269ND	Spruce	DTD. 36B	Insert
44.	—		A004009ND	Spruce	DTD. 36B	Insert
45.	A001436ND		—	Spruce	DTD. 36B	Insert Block
46.	A001461ND		A001461ND	Bakelite	LFS. 23	Strip
47.	A001462ND		A001462ND	Bakelite	LFS. 23	Strip
48.	A001463ND		A001463ND	Spruce	DTD. 36B	Block
49.	A001456ND		A001456ND	Alclad	DTD. 390	Plate (16 S.W.G.)
50.	A001458ND		A001458ND	Alclad	DTD. 390	Plate (16 S.W.G.)
51.	A00615ND		A00616ND	Spruce	DTD. 36B	Bend
52.	A00617ND		A00618ND	Spruce	DTD. 36B	Bend
53.	A00619ND		A00620ND	Spruce	DTD. 36B	Bend
54.	A00621ND		A00622ND	Spruce	DTD. 36B	Bend
55.	A00623ND		A00624ND	1/8" Birch	Ply V3	Screwing Strip
56.	A00625ND		A00626ND	1/8" Birch	Ply V3	Screwing Strip
57.	A00627ND		A00628ND	1/8" Birch	Ply V3	Screwing Strip
58.	A00629ND		A00630ND	1/8" Birch	Ply V3	Screwing Strip
59.	A001610ND		—	Walnut (or App. Alt.)	—	Datum Block
60.	—		A001609ND	Spruce	DTD. 36B	Insert Block

TABLE 23
BULKHEAD No. 3
MATERIAL DETAILS

*Fig. No. 4/9, Ref. DH. Dwg. A004029-30A,
A004039-40A*

Key No.	L.H.	Part No. R.H.	Material.	Specifica- tion.	Description of Part.
1.	A002237ND	A002238ND	2 m/m. Birch	Ply V3	Front Ply
2.	A002239ND	A002240ND	2 m/m. Birch	Ply V3	Rear Ply
3.	A002243ND	A002242ND	Lamd. Spruce	DTD. 36B	Bend — Top
4.	A002244ND	A002241ND	Lamd. Spruce	DTD. 36B	Bend — Centre
5.	A00187ND	A00190ND	Lamd. Spruce	DTD. 36B	Bend — Bottom
6.	A00191ND	A00191ND	Spruce	DTD. 36B	Member 1" x 1.12"
7.	A00192ND	A00192ND	Spruce	DTD. 36B	Member 1" x 1.12"
8.	A002135ND	A002135ND	Spruce	DTD. 36B	Member 1" x 1.12"
9.		A00173ND	2 m/m. Birch	Ply V3	Rear Lap Strip
10.		A00174ND	3 m/m. Birch	Ply V3	Lap Strip
11.		A00175ND	3 m/m. Birch	Ply V3	Lap Strip
12.		A00176ND (Front) 00A25ND (Rear)	2 m/m. Birch	Ply V3	Lap Strip
13.		A001663	Alclad	DTD. 390	Joint Plate (12 S.W.G.)
14.		A001664	Alclad	DTD. 390	Joint Plate (12 S.W.G.)
15.	A00177ND	A00177ND	Douglas Fir	DTD. 469	Member 2.75" x 1.12"
16.	A001661	A001662	5/32" Lamd. Fabric with Birch Ply Facing	DHA. 27	Packing Block
17.	A00199ND	A00199ND	Spruce	DTD. 36B	Member .9" x 1.12"
18.	A00193ND	A00193ND	Spruce	DTD. 36B	Member .62" x 1.12"
19.	A002133ND	—	Spruce	DTD. 36B	Member .62" x 1.12"
20.	—	A002136ND	Spruce	DTD. 36B	Packing Block
21.	A002137ND	—	Spruce	DTD. 36B	Block 1.12" thick
22.	—	A002138ND	Spruce	DTD. 36B	Block 1.12" thick
23.	A001579ND	—	Spruce	DTD. 36B	Block 1.12" thick
24.	—	A002307ND	Spruce	DTD. 36B	Block 1.12" thick
25.	A002134ND	A002134ND	Spruce	DTD. 36B	Member 1" x 1.12"
26.	A00198ND	A00198ND	Spruce	—	Member .75" x 1.12"
27.	A00990ND	—	Spruce	DTD. 36B	Member .75" x 1.12"
28.	A00991ND	—	Spruce	DTD. 36B	Member .75" x 1.12"
29.	A002245ND	—	Spruce	DTD. 36B	Block 1.12" thick
30.	—	A00196ND	Spruce	DTD. 36B	Member .75" x 1.12"
31.	—	A00197ND	Spruce	DTD. 36B	Member .75" x 1.12"
32.	—	A00201ND	Spruce	DTD. 36B	Block 1.12" thick
33.	A002803ND	A002804ND	Spruce	DTD. 36B	Block 1.12" thick
34.	—	A004036ND	Spruce	DTD. 36B	Block 1.12" thick
35.	A00998ND	A00998ND	Spruce	DTD. 36B	Block 1.12" thick
36.	A001588ND	—	Spruce	DTD. 36B	Block 1.12" thick
37.	A001589ND	—	Spruce	DTD. 36B	Block 1.12" thick
38.	A001505ND	—	Spruce	DTD. 36B	Member .62" x 1.12"
39.	—	A001572ND	Spruce	DTD. 36B	Member .62" x 1.12"
40.	A001573ND	A001573ND	Spruce	DTD. 36B	Block 1.12" thick
41.	A001705ND	A001705ND	Spruce	DTD. 36B	Block 1.12" thick
42.	A00203ND	A00203ND	Spruce	DTD. 36B	Block 1.12" thick
43.	A00202ND	A00202ND	Spruce	DTD. 36B	Block 1.12" thick
44.	A00207	A00208	Veneered Bakelite	DHA. 32	Packing
45.	A004036ND	—	2 m/m. Birch	Ply V3	Reinforcing Patch
46.	A001191ND	A001191ND	2 m/m. Birch	Ply V3	Reinforcing Patch
47.	A00978ND	A00978ND	2 m/m. Birch	Ply V3	Reinforcing Patch
48.	A001591ND	—	2 m/m. Birch	Ply V3	Packing
49.	A001591ND	—	2 m/m. Birch	Ply V3	Packing
50.	A00497ND	A00498ND	Lamd. Spruce	DTD. 36B	Insert Bend
51.	A00503ND	A00504ND	1/8" Birch	Ply V3	Screwing Strip
52.	A00499ND	A00500ND	Lamd. Spruce	DTD. 36B	Insert Bend
53.	A00505ND	A00506ND	1/8" Birch	Ply V3	Screwing Strip
54.	A00501ND	A00502ND	Lamd. Spruce	DTD. 36B	Insert Bend
55.	A00507ND	A00508ND	1/8" Birch	Ply V3	Screwing Strip

TABLE 24
ACCESS DOORS: CANNON, FUEL TANK, ETC.
MATERIAL DETAILS

See Fig. No. 4/11, Ref. DH. Dwg. A00333-4A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A001713ND	A001715ND	}	1/16" Birch	Ply V3	Inner Skin
	A001714ND	A001716ND				
2.	A001776ND	A001778ND	}	1/16" Birch	Ply V3	Outer Skin
	A001777ND	A001779ND				
3.	A00349ND	A00350ND		Spruce	DTD. 36B	Laminated Member
4.	A00351ND	A00352ND		Spruce	DTD. 36B	Member
5.	A00353ND	A00354ND		Spruce	DTD. 36B	Laminated Member
6.	A00355ND	A00356ND		Spruce	DTD. 36B	Member
7.	A00357ND	A00358ND		Spruce	DTD. 36B	Laminated Member
8.	—	A00369ND		Spruce	DTD. 36B	Block
9.	A00370ND	—		Spruce	DTD. 36B	Block
10.	A00371ND	—		Spruce	DTD. 36B	Laminated Member
11.	—	A00372ND		Spruce	DTD. 36B	Insert
12.	A00373ND	—		Spruce	DTD. 36B	Block
13.	A00374ND	A00374ND		Spruce	DTD. 36B	Laminated Member
14.	A00375ND	A00375ND		Spruce	DTD. 36B	Laminated Member
15.	A00376ND	—		Spruce	DTD. 36B	Block
16.	—	A00377ND		Spruce	DTD. 36B	Block
17.	A00379ND	—		Spruce	DTD. 36B	Block
18.	A00380ND	—		Spruce	DTD. 36B	Block
19.	—	A00381		Spruce	DTD. 36B	Block
20.	—	A00382ND		Spruce	DTD. 36B	Block
21.	A00383ND	—		Spruce	DTD. 36B	Block
22.	A00384ND	—		Spruce	DTD. 36B	Block
23.	—	A00385ND		Spruce	DTD. 36B	Corner Block
24.	—	A00386ND		Spruce	DTD. 36B	Corner Block
25.	A00387ND	—		Spruce	DTD. 36B	Block
26.	A00388ND	—		Spruce	DTD. 36B	Block
27.	—	A00389ND		Spruce	DTD. 36B	Block
28.	—	A00390ND		Spruce	DTD. 36B	Block
29.	A00395ND	A00395ND		1 1/2 m/m. Birch	Ply V3	Strips
30.	A00396ND	A00396ND		1 1/2 m/m. Birch	Ply V3	Strips
31.	A00436ND	A00436ND		Spruce	DTD. 36B	Block
32.	A00359ND	A00360ND		Spruce	DTD. 36B	Member
33.	A001068ND	A001068ND		Spruce	DTD. 36B	Block
34.	A001137	A001137		Spruce	DTD. 36B	Block
35.	A001741A	—		Stores Ref. No. A79/501792		Bracket, Hook
36.	—	A004919AND		Stores Ref. No. A79/501490		Fastener, Hook (Repaults type, with substituted Hook)
37.	—	—		Rubber	X. 72	Strip, Sealing
				Stores Ref. No. A79/501497		4' 6" long.

TABLE 25
COCKPIT FLOOR
MATERIAL DETAILS

Ref. Fig. No. 4/12, Ref. DH. Dwg. A001501-2A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A001506ND	A001508ND		5/64" Birch	Ply V3	Top Ply
2.	A001507ND	A001509ND		1/16" Birch	Ply V3	Bottom Ply
3.	A001475ND	A001476ND		Lamd. Spruce	DTD. 36B	Side Member 1.0" x .88"
4.	A001477ND	A001478ND		Spruce	DTD. 36B	Insert Member
5.	00A57ND	—		Spruce	DTD. 36B	Insert Block 2.4" x .88"
6.	A001510ND	—		Spruce	DTD. 36B	Insert Member 1.0" x .88"
7.	A002721ND	A002721ND		Spruce	DTD. 36B	Insert Member 1.0" x .88"
8.	A001483ND	A001484ND		Spruce	DTD. 36B	Insert Member 1.0" x .88"
9.	A001485ND	A001486ND		Spruce	DTD. 36B	Member 1" x 1"
10.	A002717ND	A002719ND		Spruce	DTD. 36B	Insert Member 1.5" x .88"
11.	A001479ND	A001480ND		Spruce	DTD. 36B	Insert Member 1.0" x .88"
12.	A001482ND	—		Spruce	DTD. 36B	Insert Member .75" x .88"
13.	A001492ND	A001492ND		Spruce	DTD. 36B	Block 1" x .88"
14.	—	A001487ND		Spruce	DTD. 36B	Block 2.5" x .88"
15.	A001488ND	A001488ND		Spruce	DTD. 36B	Corner Block .88" thick
16.	A001491ND	A001491ND		Spruce	DTD. 36B	Block 1.7" x .88"

TABLE 25 (Continued)

Key No.	Part No. L.H.	R.H.	Material.	Specifica- tion.	Description of Part.
17.	A001494ND	A001494ND	Spruce	DTD. 36B	Block .88" thick
18.	A001495ND	A001495ND	Spruce	DTD. 36B	Block .88" thick
19.	A001195	A001194	Veneered Bakelite	DHA. 27	Rubbing Strip
20.	A001497ND	A001498ND	1/8" Birch	Ply V3	Packing
21.	A001499ND	A001500ND	Veneered Bakelite	DHA. 27	Packing
22.	A001496ND	A001496ND	1/8" Birch	Ply V3	Packing
23.	Z00296	—	M.S. Bar	S. 1	Special Stud
24.	00A57ND	—	Spruce	DTD. 36B	Insert Block 2.4" x .88"

TABLE 26
CANNON FLOOR
MATERIAL DETAILS

Fig. No. 4/13, Ref. DH. Dwg. A0019A

Key No.	Part No. L.H.	R.H.	Material.	Specifica- tion.	Description of Part.
1.	A001535ND	A001535ND	1/16" Birch	Ply V3	Top and Bottom Ply
2.	A001552ND	A001552ND	Lamd. Spruce	DTD. 36B	Insert Bend .75" x .48"
3.	A001553ND	A001553ND	Spruce	DTD. 36B	Insert Member 1.2" x .48"
4.	A001541ND	A001541ND	Spruce	DTD. 36B	Insert Block 1.95" x .48"
5.	A001536ND	A001536ND	Spruce	DTD. 36B	Insert Member .75" x .48"
6.	A001556ND	A001556ND	Spruce	DTD. 36B	Insert Member .75" x .48"
7.	A001557ND	A001557ND	Spruce	DTD. 36B	Insert Member .96" x .48"
8.	A001548ND	A001548ND	Spruce	DTD. 36B	Insert Member .95" x .48"
9.	A001555ND	A001555ND	Spruce	DTD. 36B	Insert Block 1.12" x .48"
10.	A001540ND	A001540ND	Spruce	DTD. 36B	Insert Block 4" x 3.2" x .48"
11.	A001550ND	A001550ND	Spruce	DTD. 36B	Insert Member .75" x .48"
12.	A001560ND	A001560ND	Spruce	DTD. 36B	Insert Block 1.85" x .48"
13.	A001554ND	A001554ND	Spruce	DTD. 36B	Insert Block .75" x .48"
14.	A001551ND	A001551ND	Spruce	DTD. 36B	Insert Block 2.38" x .48"
15.	A001543ND	A001543ND	Spruce	DTD. 36B	Insert Block 1.85" x .48"
16.	A001537ND	A001537ND	Spruce	DTD. 36B	Insert Member .95" x .48"
17.	A001545ND	A001545ND	Spruce	DTD. 36B	Insert Member .75" x .48"
18.	A001539ND	A001539ND	Spruce	DTD. 36B	Insert Block 3.6" x .48"
19.	A001538ND	A001538ND	Spruce	DTD. 36B	Insert Block 2.0" x .48"
20.	—	A001538ND	Spruce	DTD. 36B	Insert Block 2.0" x .48"
21.	—	A001592ND	Spruce	DTD. 36B	Insert Block .85" x .48"
22.	A001544ND	A001544ND	Spruce	DTD. 36B	Insert Block 1" x 1" x .48"
23.	A001546ND	—	Spruce	DTD. 36B	Insert Block .48" thick
24.	—	A001547ND	Spruce	DTD. 36B	Insert Block 1.5" x .48"
25.	A001549ND	—	Spruce	DTD. 36B	Insert Block .75" x .48"
26.	A001533ND	A001533ND	Spruce	DTD. 36B	Location Blocks .25" thick
27.	A001558ND	—	2 m/m. Birch	Ply V3	Butt Strap

TABLE 27
NOSEWHEEL HOUSING
MATERIAL DETAILS

See Fig. No. 4/14, Ref. DH. Dwg. A001125A

Key No.	Part No. L.H.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	A001079A Pre-Mod. V.102 A005271A Post-Mod. V.102	A001080A A005272A	Alclad	DTD. 390 or L. 38	20	Side Plate
2.	A001419ND	A001418ND				
3.	A001421ND	A001420ND	M.S.P.	S. 3 or DHA. 28	18	Angle
4.	A001881ND	A001882ND	Alclad	S. 3 or DTD. 390 or L. 38	18 20	Fairing Cover Plate
5.	A001883ND	A001884ND	Alclad	DTD. 390 or L. 38	20	Angle
6.	A001885ND	A001886ND	Alclad	DTD. 390 or L. 38	18	Angle

Assembled
on
A001075-6A

TABLE 27 (Continued)

Key No.	Part No. L.H.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.	
7.	A001363	—	Mang. Alloy	DTD. 59A	Casting	Front Hinge Bracket	
8.	—	A001416	Mang. Alloy	DTD. 59A	Casting	Bracket	
9.	A00635	A00636	Alclad	DTD. 390 or L. 38	16	Diaphragm	
10.	A00634	—	Alclad	DTD. 390 or L. 38	16	Diaphragm	
11.	—	A00633	Alclad	DTD. 390 or L. 38	16	Link Guide Bracket	
12.	A001124B	—	M.S.P.	S. 3 or DTD. 124A	18	Rear Hinge Bracket	
13.	A001123	—	Alclad	DTD. 390 or L. 38	20	Stiffener	
14.	A00661ND	—	Alclad	DTD. 390 or L. 38	22	Fixed Fairing	Assembled on A00648A
15.	A00659ND	—	Alclad	DTD. 390 or L. 38	20	Angle	
16.	A00660ND	—	Alclad	DTD. 390 or L. 38	20	Angle	
17.	S00165ND	S00166ND	Alclad	DTD. 390	20	Fairing	Assembled on S00159-60A
18.	S00657ND	S00658ND	M.S.P.	S. 3 (Sect. EEJ36)	18	Stiffening Member	
19.	S00161ND	S00162ND	M.S.P.	S. 3	18	Stiffening Member	
20.	00S13ND	00S13ND	M.S.P.	S. 3	20	Gusset	Assembled on S00159-60A
21.	00S15ND	00S16ND	M.S.P.	S. 3	20	Gusset	
22.	S00167ND	S00168ND	Alclad	DTD. 390 (Sect. 00X4)	20	Stiffener	
23.	S00169ND	S00170ND	Alclad	DTD. 390	20	Gusset	Assembled on G00253A
24.	S00175ND	S00175ND	Alclad	DTD. 390	20	Gusset	
25.	S00633ND	S00634ND	S.S.	DTD. 171/B	18	Cannon Spout	
26.	G00253B	—	Alclad	DTD. 390 or L. 38	20	Inner Plate	Assembled on G00253A
27.	G00253C	—	Alclad	DTD. 390 or L. 38	20	Outer Plate	
28.	G00514ND	—	Alum. Alloy	DTD. 298	Casting	Front Hinge	
29.	G00256	—	P/F Laminated Sheet	LFS. 23	—	Packing	Assembled on G00253A
30.	G00253D	—	Alclad	DTD. 390 or L. 38	18	Reinforcing Plate	
31.	G00515ND	—	Alum. Alloy	DTD. 298	Casting	Rear Hinge	
32.	G00257	—	P/F Laminated Sheet	LFS. 23	—	Packing	Assembled on G00258A
33.	G00578	—	Alclad	DTD. 390 or L. 38	18	Fairing	
34.	G00585	G00584	Alclad	DTD. 390 or L. 38	18	Side Member	
35.	G00579	—	Alclad	DTD. 390 or L. 38	18	Front Member	Assembled on G00258A
36.	G00592	—	Alclad	DTD. 390 or L. 38	18	Edge Member	
37.	G00591	G00590	Alclad	DTD. 390 or L. 38	18	Corner Gusset	
38.	G00583	G00582	Alclad	DTD. 390 or L. 38	18	Stiffener	Assembled on G00258A
39.	G00588	—	Alclad	DTD. 390 or L. 38	18	Fish Plate	
40.	G00589	—	Alclad	DTD. 390 or L. 38	18	Fish Plate	
41.	G00587	G00586	Alclad	DTD. 390 or L. 38	18	Stiffener	Assembled on G00258A
42.	G00267A	—	—	—	—	Assy. of Bridge Link	
43.	G00259A	—	—	—	—	Assy. of Rear Member	
44.	00G17	00G18	Alclad	DTD. 390 or L. 38	20	Gusset Plate	Assembled on G00258A
45.	G00653	G00653	H.T.S.	S. 11 or S. 2	Bar	Eye Bolt	
46.	S00635ND	S00636ND	S.S.	DTD. 171/B	18	Cannon Spout	

TABLE 28
FIXED NOSING
MATERIAL DETAILS

See Fig. No. 4/15, Ref. DH. Dwg. A00717A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.	A001011ND	A001813ND		Alclad	DTD. 390 or L. 38	20	Skin
2.	A00718ND	A00718ND		Alclad	DTD. 390	18	Buttstrap
3.	A001922	A001922		Alclad	DTD. 390	20	Lap Plate
4.	A001894	A001894		Alclad	DTD. 390	20	Front Bracket
5.	A001907	A001908		Alclad	DTD. 390	20	Front Stiffening Channel
6.	A001903	A001904		Alclad	DTD. 390	20	Mid Stiffener
7.	A001905	A001906		Alclad	DTD. 390	20	Rear Edge Stiffener
8.	A001897	A001898		Alclad	DTD. 390	20	Bottom Edge Stiffener
9.	A001911	A001911		Alclad	DTD. 390	20	Gusset
10.	A001912	A001912		Alclad	DTD. 390	20	Gusset
11.	A001913	A001913		Alclad	DTD. 390	20	Gusset
12.	A001914	A001914		Alclad	DTD. 390	20	Gusset
13.	A001915	A001915		Alclad	DTD. 390	20	Gusset
14.	A001916	A001916		Alclad	DTD. 390	20	Gusset
15.	A002817	A002818		Alclad	DTD. 390	20	Gusset
16.	A001923	A001923		Alclad	DTD. 390	20	Reinforcing Angle
17.	A001895	A001896		Alclad	DTD. 390	20	Top Channel
18.	A00917A	A00917A		Stores Ref. No. A79/501555	—	—	Assy. of Front Peg
19.	A001899	A001900		Alclad	DTD. 390	20	Peg Support Bracket
20.	A00927ND	A00927ND		Alclad	DTD. 390	20	Packing Strip
21.	A001901	A001902		Alclad	DTD. 390	20	Stiffening Bracket
22.	A004077	A004077		Rubber. Stores Ref. No. A79/500582	—	—	Camera Aperture Seal
23.	A00757A	A00757A		Alclad	DTD. 390	16	Front Attachment Bracket
24.	A00738A	A00738A		Stores Ref. No. A79/501554	—	—	Assy. Inlet for Cockpit Vent. Duct
25.	A00912A	A00912A		Stores Ref. No. A79/500560	—	—	Assy. Spring Plunger
26.	—	A001269ND		Alclad	DTD. 390	20	Frame
27.	—	A001270ND		Alclad	DTD. 390	16	Corner Plate
28.	A002809ND	—		Alclad	DTD. 390	20	Stiffener
29.	A002811ND	A002812ND		Alclad	DTD. 390	20	Stiffener
30.	A002807ND	A002808ND		Alclad	DTD. 390	20	Stiffener
31.	A002813ND	A002814ND		Alclad	DTD. 390	20	Stiffener
32.	A002819ND	A002821ND		Alclad	DTD. 390	20	Gusset
33.	A002827	A002827		Alclad	DTD. 390	20	Gusset
34.	A002829	A002829		Alclad	DTD. 390	20	Gusset
35.	A002823	—		Alclad	DTD. 390	20	Gusset
36.	—	A002825		Alclad	DTD. 390	20	Gusset

TABLE 29
DETACHABLE NOSING
MATERIAL DETAILS

See Fig. No. 4/16, Ref. DH. Dwg. A00891A

Key No.	L.H.	Part No.	R.H.	Material.	Specifica- tion.	S.W.G.	Description.
1.		A00892ND		Alclad	DTD. 390 or L. 38	20	Skin
2.	A001931	A001932		Alclad	DTD. 390 or L. 38	20	Stiffener
3.	A001029	A001930		Alclad	DTD. 390 or L. 38	20	Stiffener
4.		A002763		Alclad	DTD. 390 or L. 38	20	Stiffener
5.		A002709		Alclad	DTD. 390 or L. 38	20	Front Lap Plate
6.		A002711		Alclad	DTD. 390 or L. 38	20	Lap Plate
7.		A00900ND		M.S.P.	S. 3	10	Block
8.	B001047ND	—		Rubber	Sorbo	2" d. x 1/4"	Pad, Rubbing
9.		A001935		Alclad	DTD. 390 or L. 38	20	Gusset
10.	A001925	A001926		M.S.P.	S. 3	20	Front Bracket
11.	00A11A	00A10A		M.S.P.	S. 3	20	Rear Bracket
12.		A00907		Alum. Alloy	L. 1 or DTD. 423	—	Cleat
13.		A00908		—	—	—	Assembly of Nose Panel Lock

TABLE 30
FUSELAGE
WEAR LIMITS

See Fig. No. 4/19

Key No.	Part No.	Description.	Nominal Dia.	Female High or Male Low Limit.	Maximum Wear Limit.	Plug Gauge.
1.	G00242	Eyebolt (Bush G00325 Mk. 2)	0.25	+0.0001	+0.0025	VB
2.	G00251	Operating Lever	0.25	+0.0001	+0.0025	VB
3.	G00323 Mk. 4	Special Pin	0.25	-0.0011	-0.002	Micrometer
4.	G00240	Fork End	0.1875 drill	—	+0.0035 +0.010	VA
5.	SP4Y/B6	Pin Shackle	0.1875	-0.005	-0.007	Micrometer
6.	G00241	Fork End	0.1875 drill	—	+0.0035 +0.010	VA
7.	A00633	Pickup Fitting	0.1875	+0.0003	+0.0035	VA
8.	G00245	Link Guide	0.1875	+0.0003	+0.0035	VA
9.	G00322 Mk. 1	Special Pin	0.187	-0.004	-0.007	Micrometer
10.	G00244	Link Guide End (Bush G00325 Mk. 3)	0.25	+0.0001	+0.0025	VB
11.	G00321	Connecting Plates	0.25	+0.0003	+0.0025	VB
12.	A1/11E	Standard Bolts	0.25	-0.0035	-0.0045	Micrometer
13.	G00323 Mk. 2	Special Pin	0.25	-0.0011	-0.002	Micrometer
14.	G00247	Radius Rod End	0.25	+0.0001	+0.0025	VB
15.	G00251	Operating Lever (Bush G00325 Mk. 2)	0.25	+0.0001	+0.0025	VB
16.	A1/11E	Standard Bolt	0.25	-0.0035	-0.0045	Micrometer
17.	G00321	Connecting Plates	0.25	+0.0003	+0.0025	VB
18.	G00251	Operating Lever (Bush G00325 Mk. 3)	0.25	+0.0001	+0.0025	VB
19.	G00128	Radius Rod Eye End	0.25	+0.0001	+0.0025	VB
20.	G00254	Rear Door Front Hinge	0.25	+0.0001	+0.0025	VB
21.	G00323 Mk. 6	Special Pin	0.25	-0.0011	-0.002	Micrometer
22.	A001363	Front Hinge Bracket	0.3125	+0.0004	+0.0035	WC
23.	A1/14G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
24.	A1/15G	Standard Bolt	0.3125	-0.0035	-0.0045	Micrometer
25.	K0052	Special Pin	0.5	—	-0.001	Micrometer
26.	K0047	Control Column (Special Bushes K0053)	0.5	+0.001	+0.004	YC
27.	SP4Y/H21	Pin, Shackle	0.375	-0.005	-0.007	Micrometer
28.	B0037	Pickup Bracket	0.375	+0.0004	+0.0035	YA
29.	B0038	Seat Link, Rear	0.375	+0.0005	+0.0035	YA
30.	B0038	Seat Link, Front	0.375	+0.0005	+0.0035	YA
31.	AS.2122	Seat Frame	0.375	+0.0004	+0.0035	YA
32.	SP4Y/H21	Pin, Shackle	0.375	-0.005	-0.007	Micrometer
33.	AS.2091	Main Seat Bracket (Bush AS.2098)	0.5	+0.0025	+0.004	YC
34.	AS.2085	Spigot	0.5	-0.000	-0.002	Micrometer
35.	AS.2063	Seat Levers	0.875	+0.0005	+0.0035	XE
36.	AS.2081	Bush (Male)	0.875	-0.0027	-0.0045	Micrometer
37.	AS.2122	Seat Frame	0.875	+0.0005	+0.0035	XE
38.	D001254	Special Bolt	0.625	-0.002	-0.0025	Micrometer
39.	D003166	Joint 'C' Fitting	0.625	+0.0005	+0.002	VD
40.	D007041	Special Bolt, Joint 'A'	1.0	-0.002	-0.003	Micrometer
41.	D004241-2	Joint 'A' Fitting	1.0	+0.0006	+0.002	ZB
42.	D004239-40	Joint 'B' Fitting	1.0	+0.0006	+0.002	ZB
43.	D007043	Special Bolt, Joint 'B'	1.0	-0.002	-0.003	Micrometer
44.	00A29	Special Bolt	0.375	-0.003	-0.004	Micrometer
45.	A00397-8	Bracing Tube 25/64" (Rear Outer)	0.390625 drill	—	+0.0035 +0.010	ZB
46.	A003021-2	Spar Boom Lug 25/64"	0.390625 drill	—	+0.0035 +0.010	ZB
47.	A15Y/8J	Standard Bolt	0.375	-0.003	-0.004	Micrometer
48.	A00397-8	Bracing Tube 25/64" (Rear Inner)	0.390625 drill	—	+0.0035 +0.010	ZB
49.	A00397-8	Bracing Tube 29/64" (Front)	0.453125 drill	—	+0.0035 +0.010	ZB
50.	B00469-70	Pickup Fitting 29/64"	0.453125 drill	—	+0.0035 +0.010	ZB
51.	A001006ND	Standard Bolt (A15Y/10L)	0.4375	-0.004	-0.005	Micrometer
52.	K0086	Lug Fitting	0.25	+0.0003	+0.0025	VB
53.	A1/15E	Standard Bolt	0.25	-0.003	-0.004	Micrometer
54.	K0084	Stay Tube Fork	0.25	+0.0003	+0.0025	VB
55.	K0085	Stay Tube Front	0.25	+0.0003	+0.0025	VB
56.	K00285	Special Bolt	0.3125	-0.001	-0.001	Micrometer
57.	K00284	Special Bolt	0.3125	-0.001	-0.001	Micrometer
58.	K00198	Special Bolt	0.3125	-0.003	-0.0045	Micrometer
59.	K00169-70 Mk. 2	Pedal Casting	0.3125	+0.0004	+0.0035	WC

TABLE 30 (Continued)

Key			Nominal Dia.	Female High or Male Low Limit.	Maximum Wear Limit.	Plug Gauge.
60.	K00187	Spigot, Outer	0.375	-0.002	-0.003	Micrometer
61.	K00186	Spigot, Inner	0.375	-0.002	-0.003	Micrometer
62.	A1/7G	Standard Bolt	0.3125	-0.003	-0.004	Micrometer
63.	G00281 G00275	Plug End	0.3125 0.375	+0.0004	+0.0035	VB WC
64.	A15Y/9J	Standard Bolt	0.375	-0.003	-0.004	Micrometer
65.	G00292 Mk. 3	Special Bolt	0.3125	-0.0004	-0.002	Micrometer
66.	G00288	End Fitting	0.3125	+0.0004	+0.0035	WC
67.	G00286-7	Pickup Fitting	0.3125	+0.0004	+0.0035	WC
68.	G00293	Special Bolt	0.25	-0.0003	-0.002	Micrometer
69.	G00301-2	Eye Bolt	0.25	+0.0004	+0.0025	VB
70.	G001066A	Side Strut, Rear	0.25	+0.0003	+0.0025	VB
71.	G00286-7	Pickup Fitting	0.3125	+0.0004	+0.0035	WC
72.	G00278	Lower Strut, Rear End Plug	0.3125	+0.0004	+0.0035	WC
73.	G00292 Mk. 4	Special Bolt	0.3125	-0.0004	-0.002	Micrometer
74.	G001066A	Side Strut, Front End Plug	0.3125	+0.0004	+0.0035	WC
75.	G00277	Lower Strut, Front End Plug	0.3125	+0.0004	+0.0035	WC
76.	G00285/1	Front Bracket	0.3125	+0.0004	+0.0035	WC
77.	G00292 Mk. 1	Special Bolt	0.3125	-0.0004	-0.002	Micrometer
78.	G00292 Mk. 2	Special Bolt	0.3125	-0.0004	-0.002	Micrometer
79.	G001067-8	Upper Strut	0.3125	+0.0004	+0.0035	WC
80.	G00323 Mk. 3	Special Pin	0.25	-0.0011	-0.002	Micrometer
81.	G00270	Eyebolt	0.25	+0.0001	+0.0025	VB
82.	G00271	Pickup	0.25	+0.0001	+0.0025	VB
83.	G00323 Mk. 5	Special Pin	0.25	-0.0011	-0.002	Micrometer
84.	G00269	Eye End	0.25	+0.0001	+0.0025	VB
85.	G00323 Mk. 1	Special Pin	0.25	-0.0011	-0.002	Micrometer
86.	G00270	Link Rod	0.25	+0.0001	+0.0025	VB
87.	A00757	Pickup	0.25	+0.001	+0.0025	VB

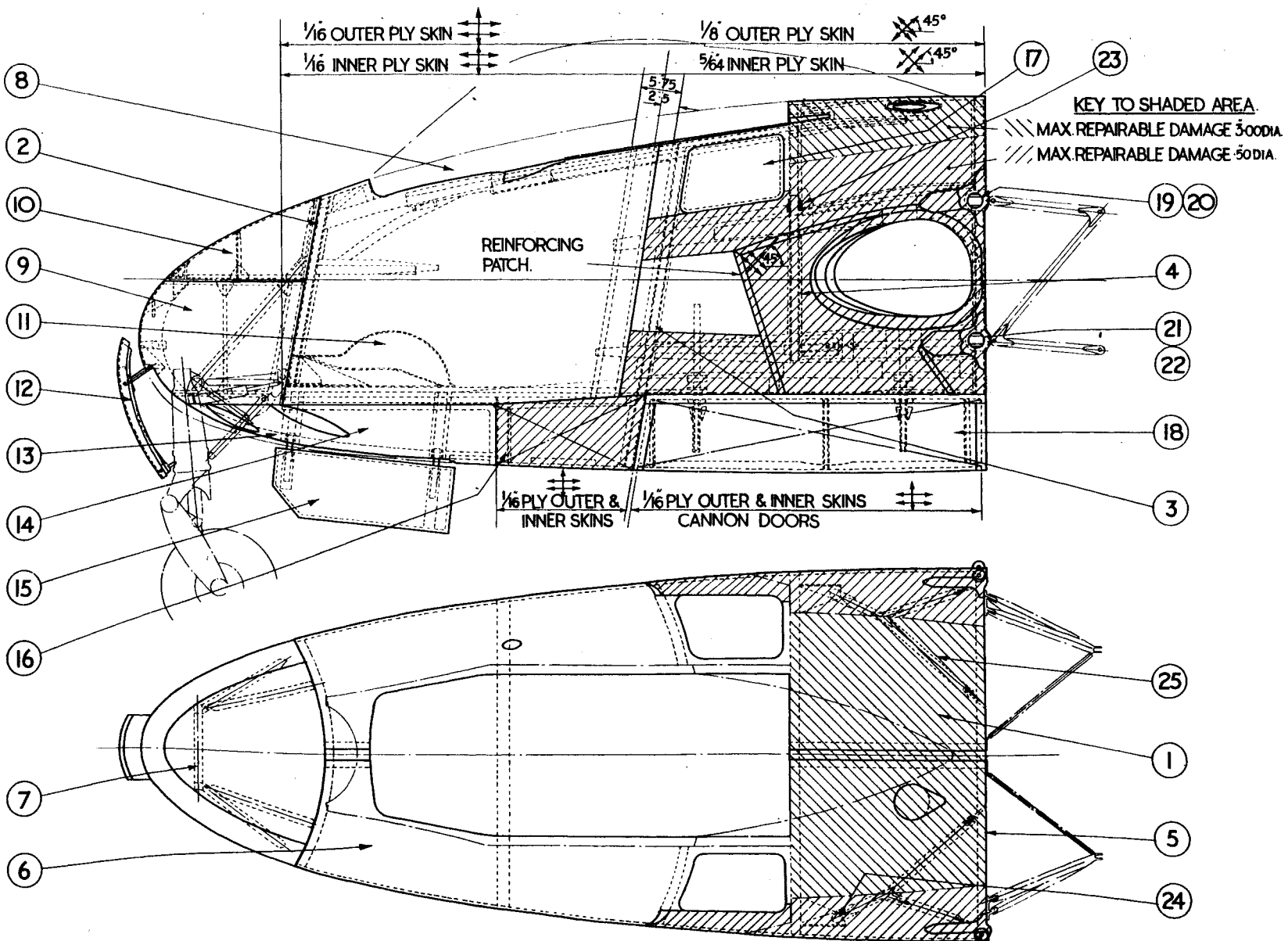


FIG. 4/1

FUSELAGE DIAGRAM

FIG. 4/1

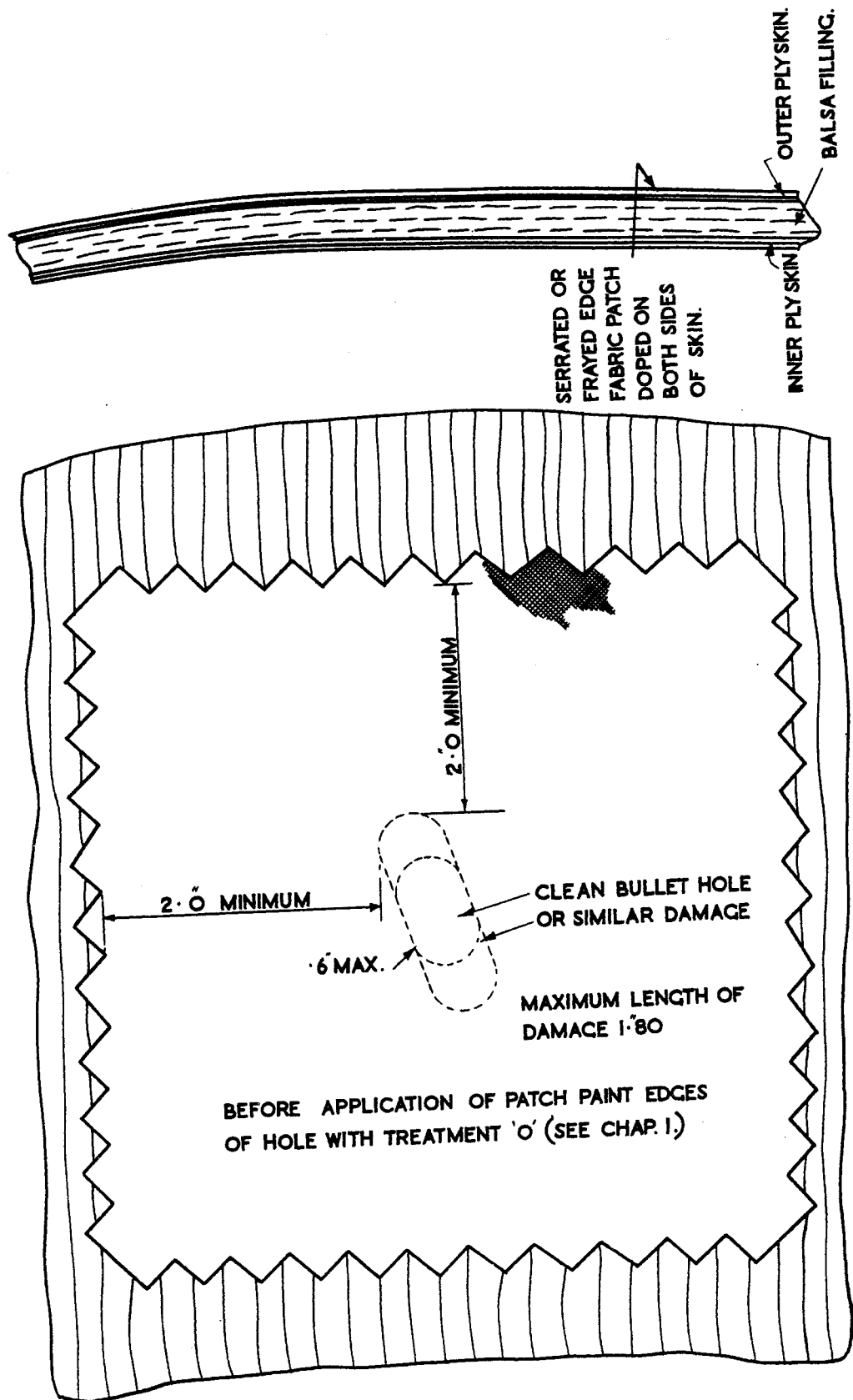


FIG. 4/2

PATCH REPAIR TO FUSELAGE SKIN

FIG. 4/2

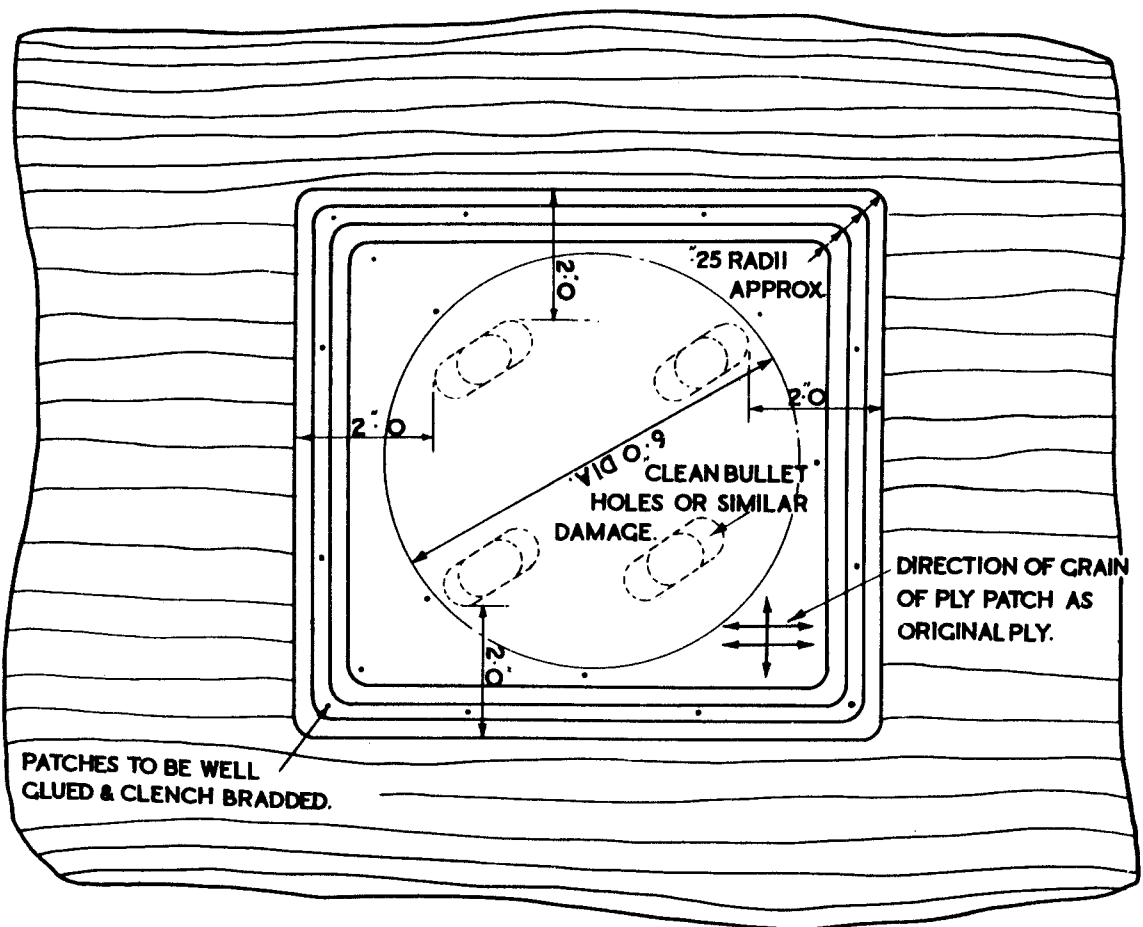
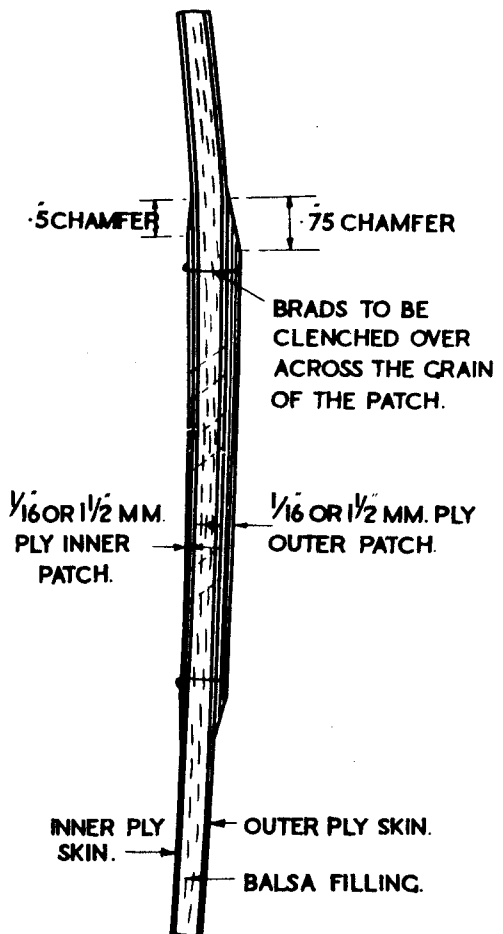


FIG. 4/3

PATCH REPAIR TO FUSELAGE SKIN

FIG. 4/3

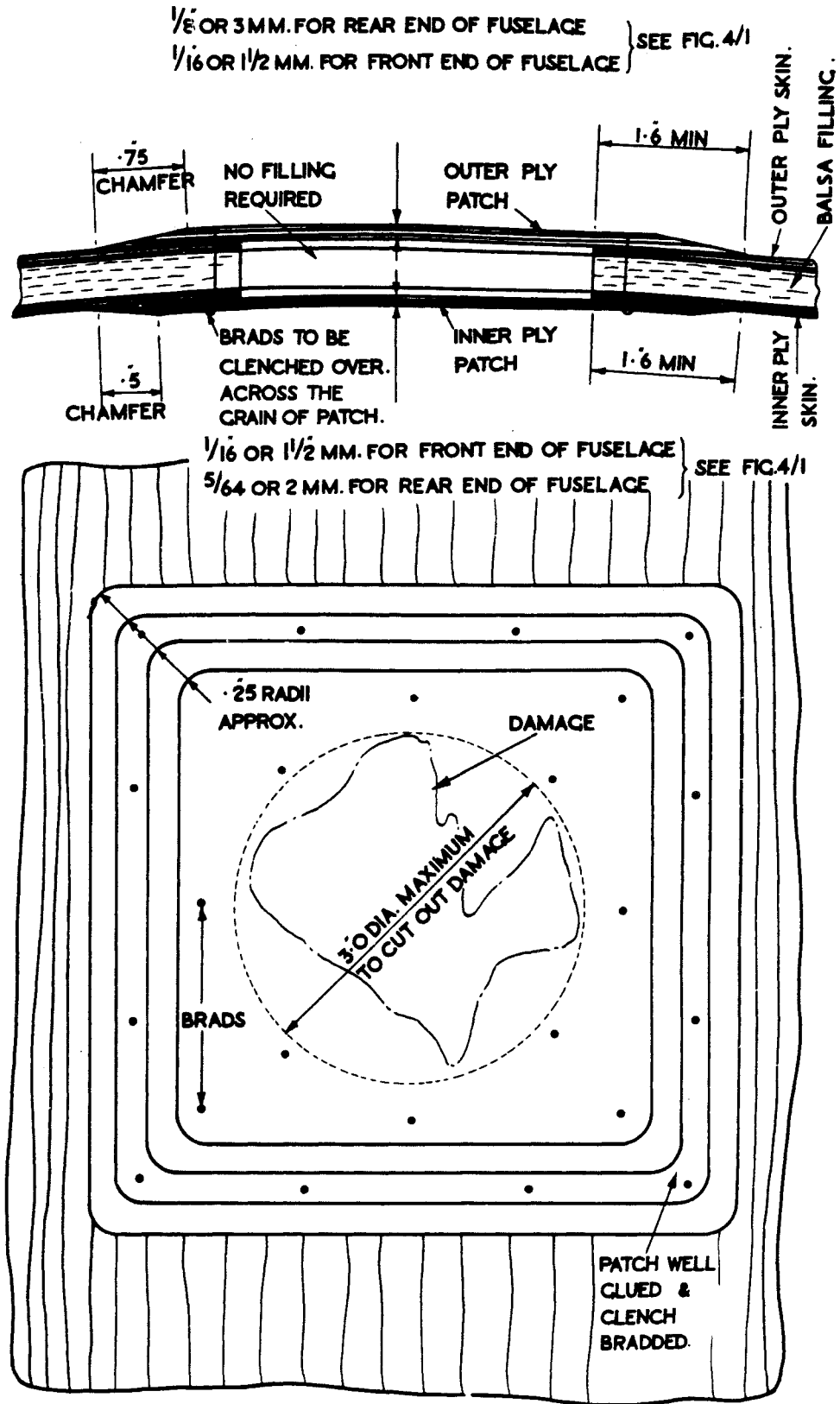
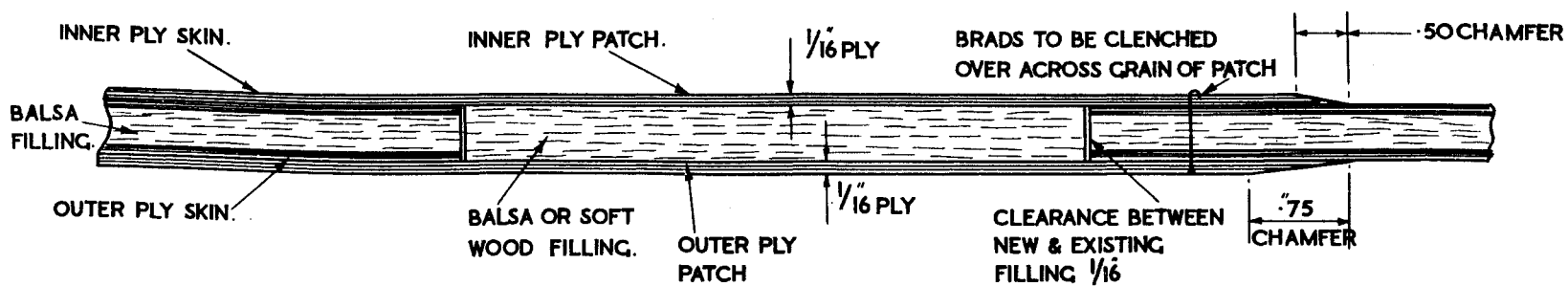
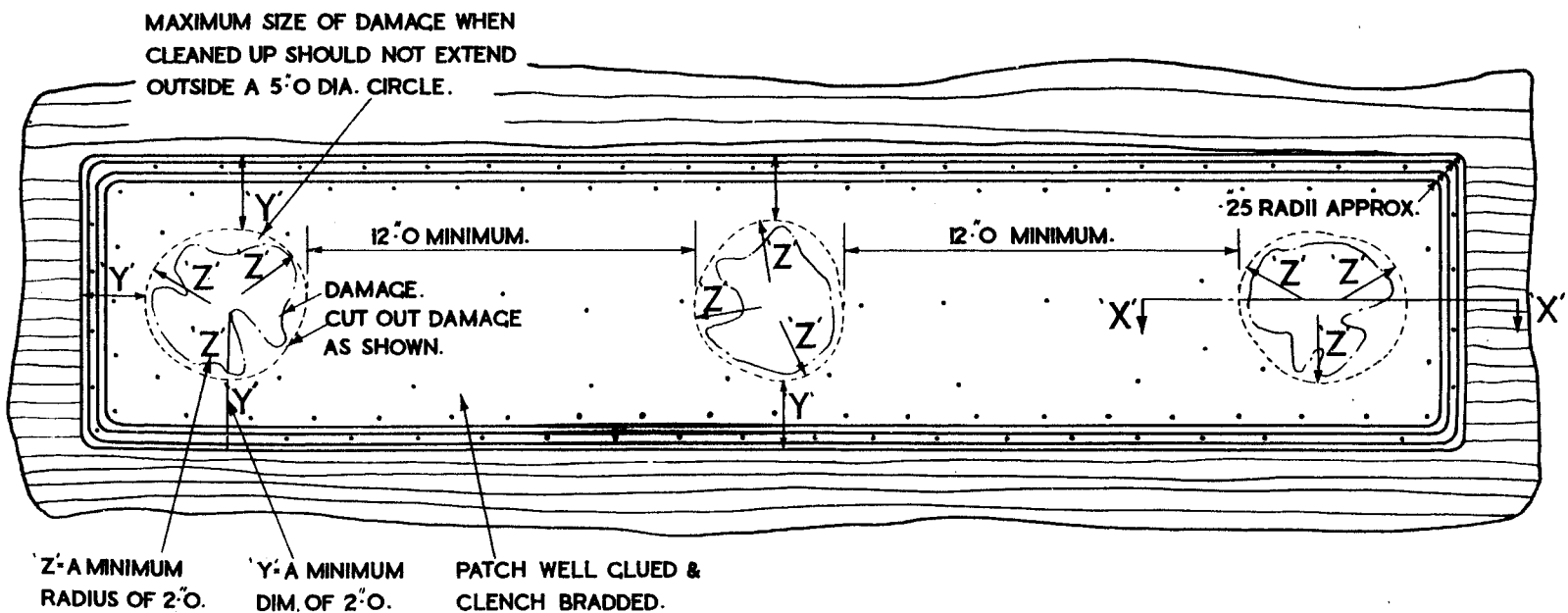


FIG. 4/4

PATCH REPAIR TO FUSELAGE SKIN

FIG. 4/4

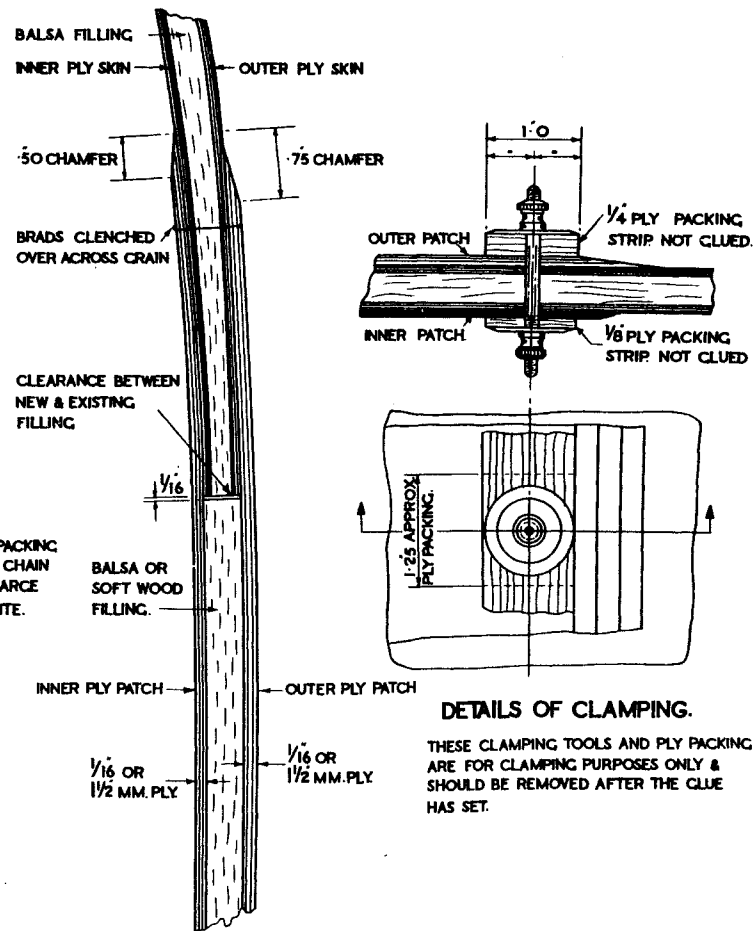


SECTION 'X-X' (FULL SIZE)

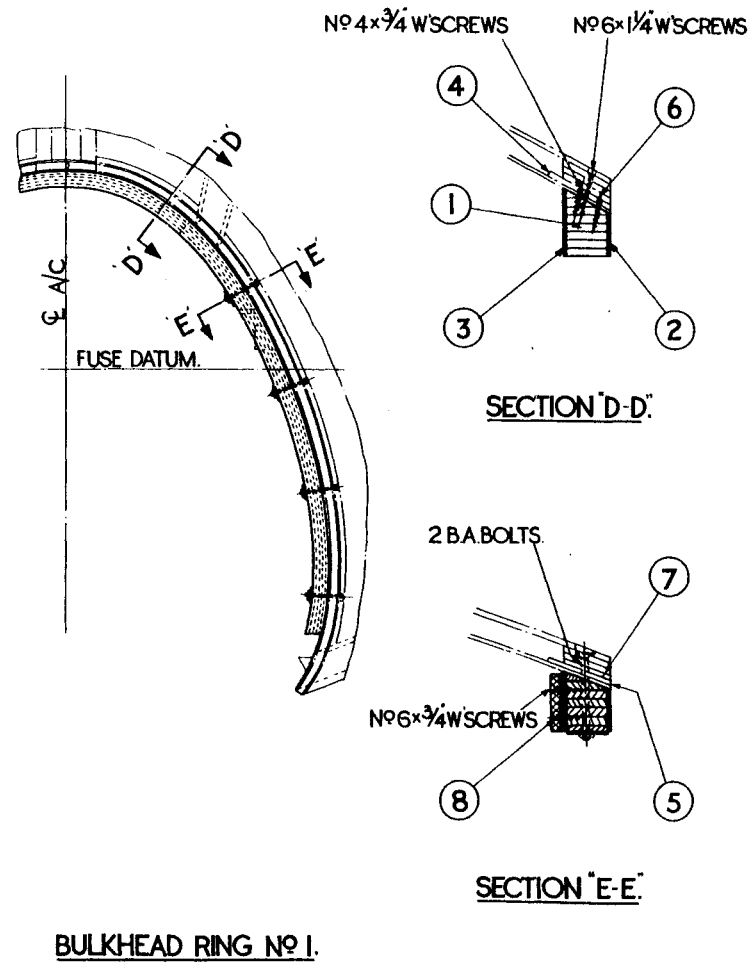
FIG. 4/5

PATCH REPAIR TO FUSELAGE SKIN

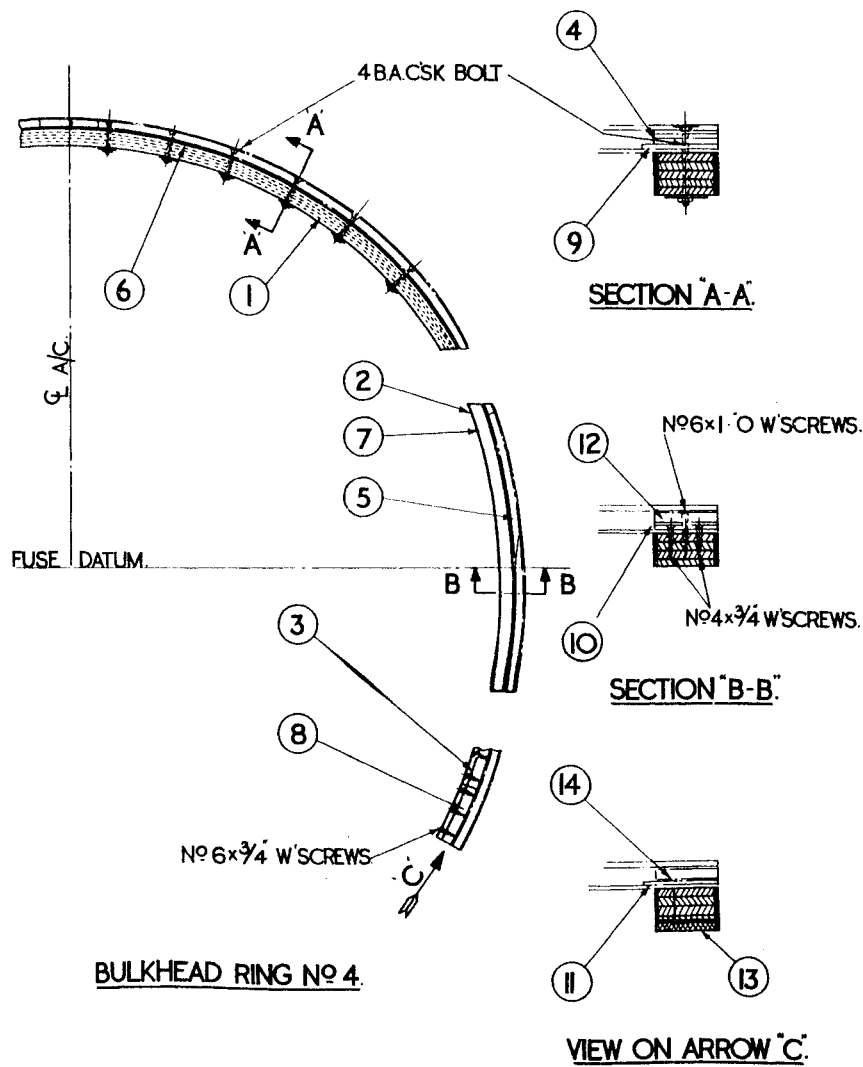
FIG. 4/5



SECTION 'X-X' (FULL SIZE)



BULKHEAD RING No 1.



BULKHEAD RING No 4.

FIG. 4/7

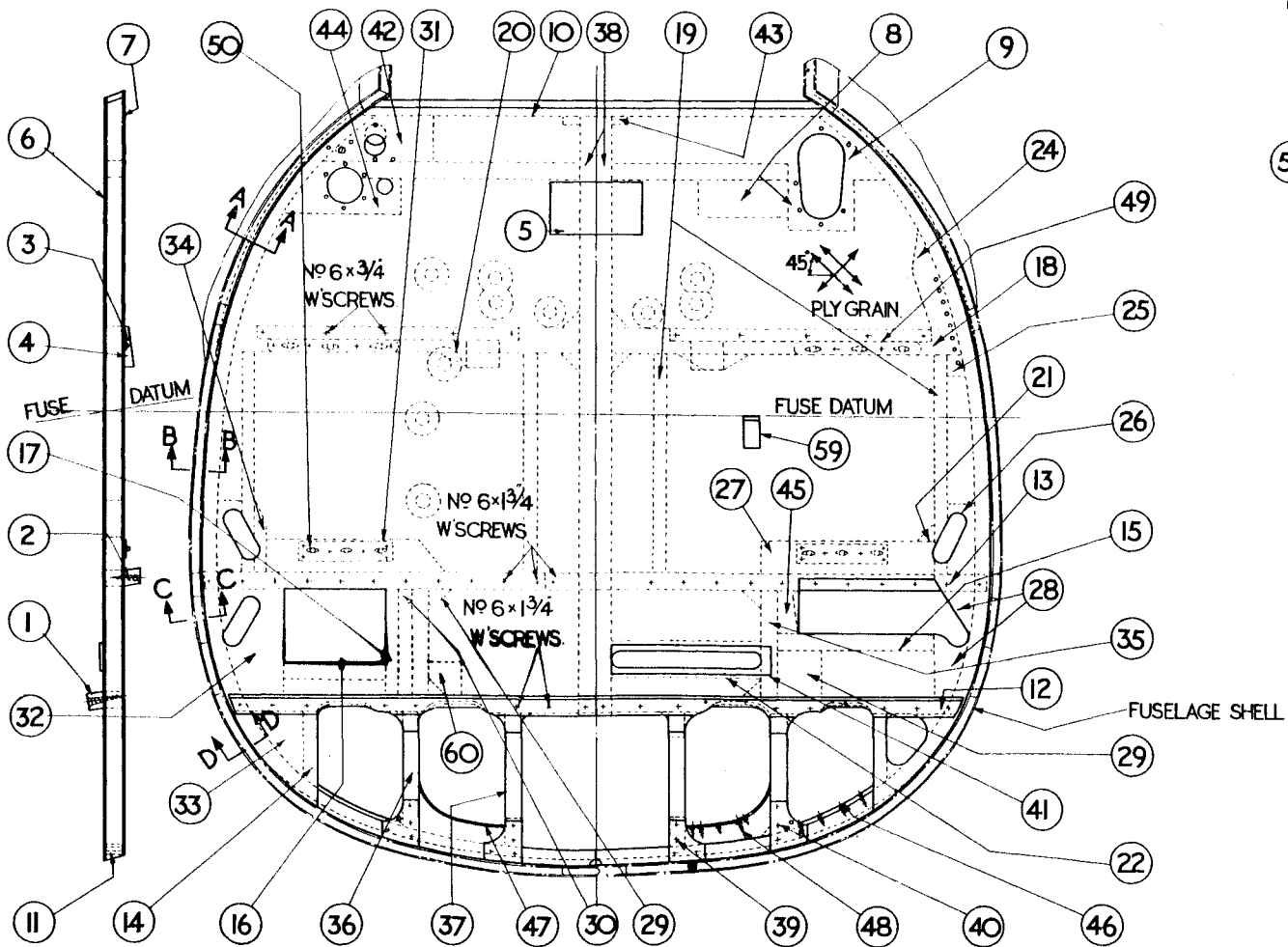
BULKHEAD RINGS NOS. 1 & 4

FIG. 4/7

FIG. 4/8

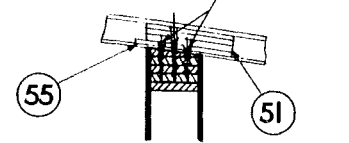
BULKHEAD NO. 2

FIG. 4/8

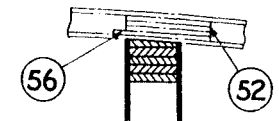


No 6 x 1 1/4 W SCREWS

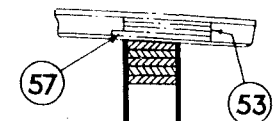
No 4 x 3/4 W SCREWS



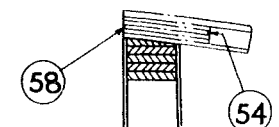
SECTION "A-A"



SECTION "B-B"



SECTION "C-C"



SECTION "D-D"

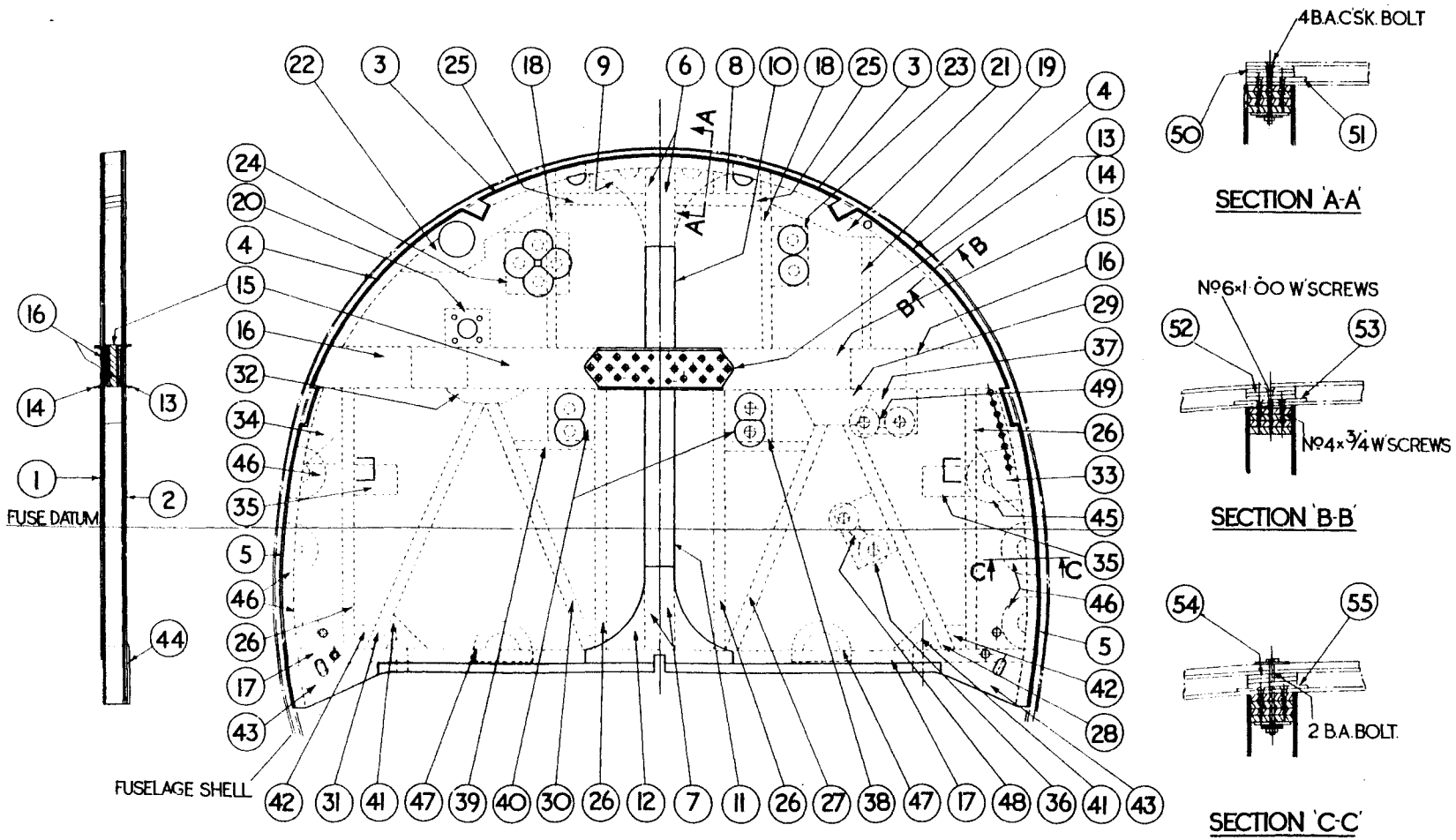
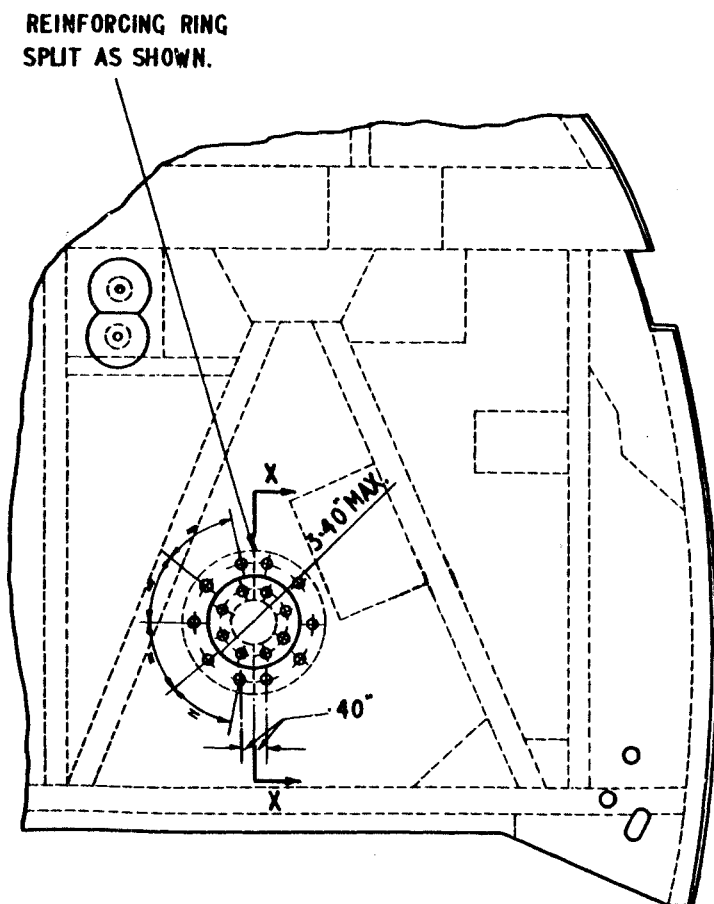


FIG. 4/9

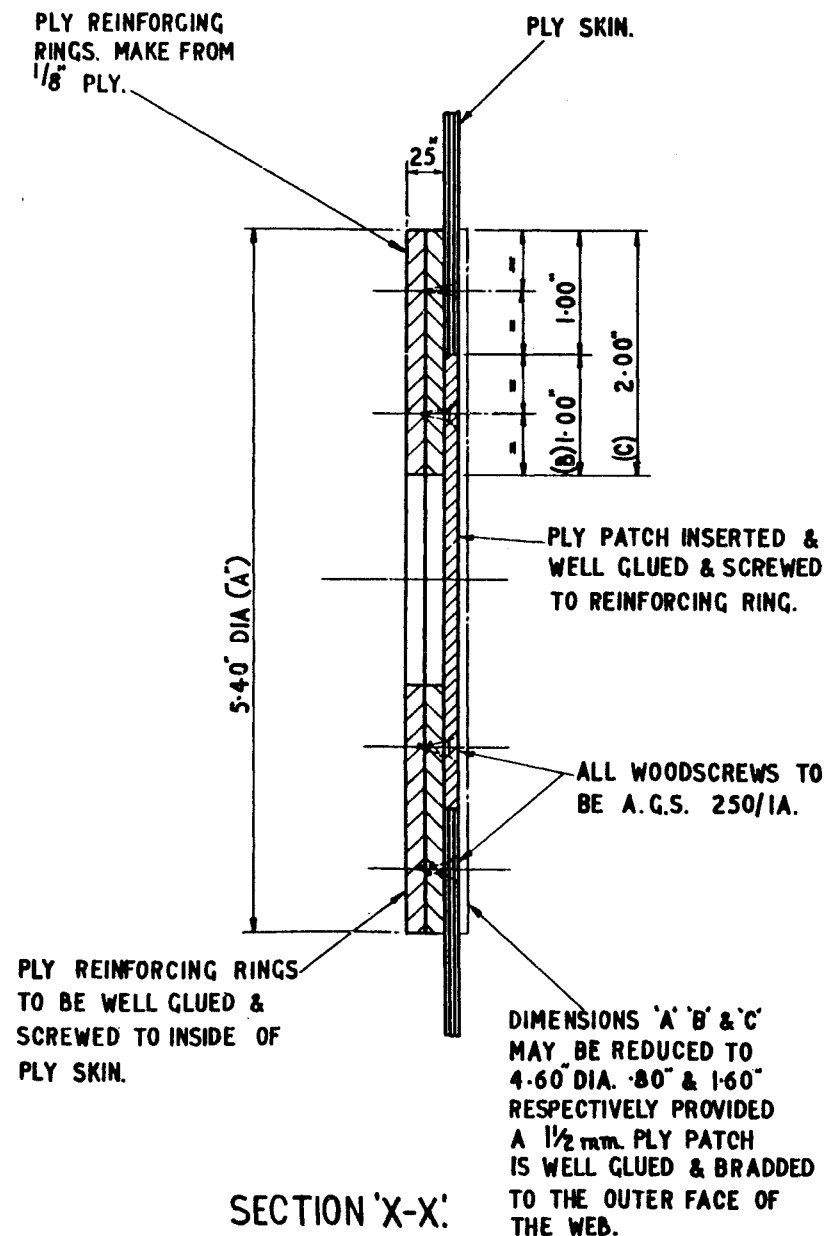
BULKHEAD NO. 3

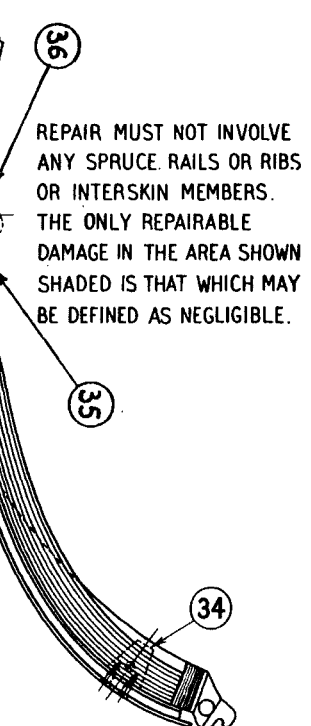
FIG. 4/9

FIG. 4/10 REPAIR TO FUSELAGE BULKHEAD SKIN FIG. 4/10



NOTE:- THIS REPAIR MAY BE APPLIED TO BOTH SIDES OF BULKHEAD.





SECTION X-X

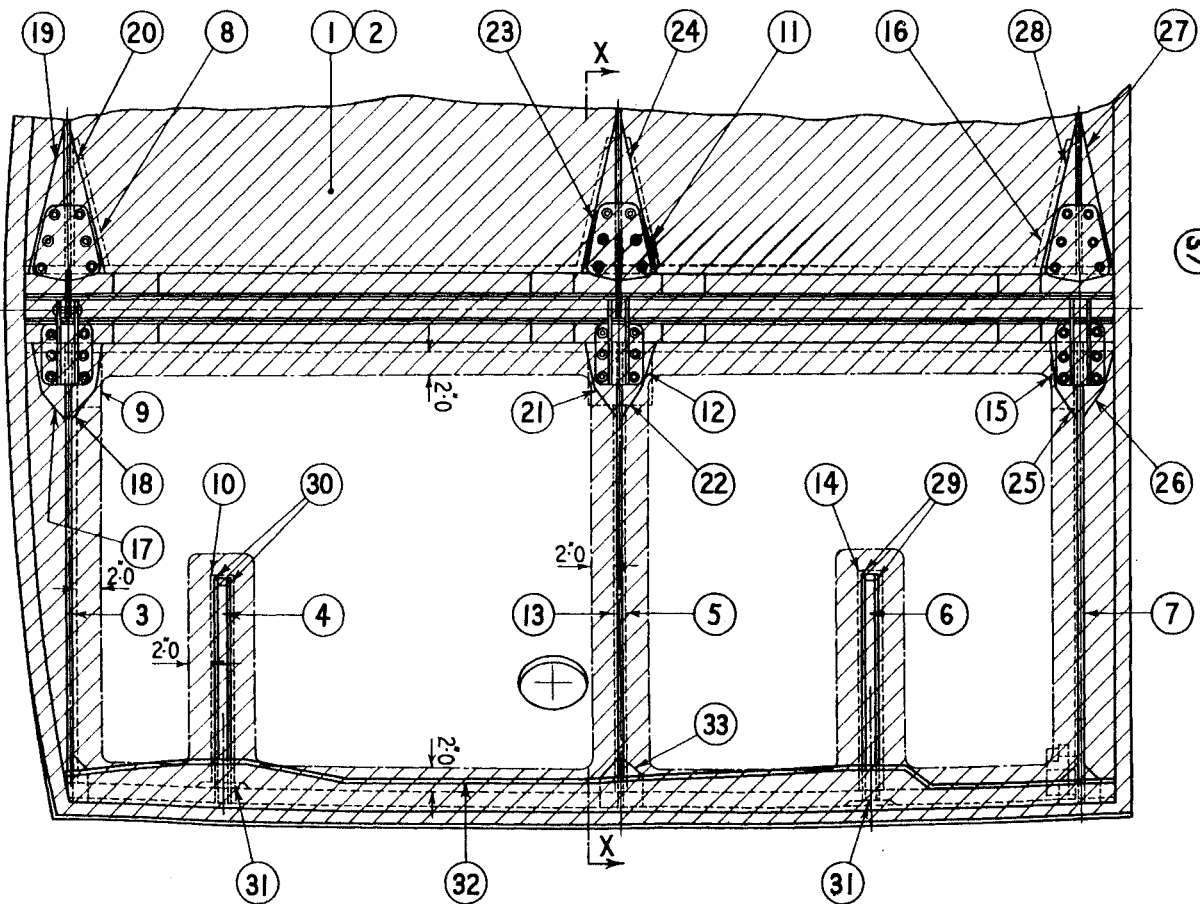


FIG. 4/II.

ACCESS DOORS, FUSELAGE

FIG. 4/II.

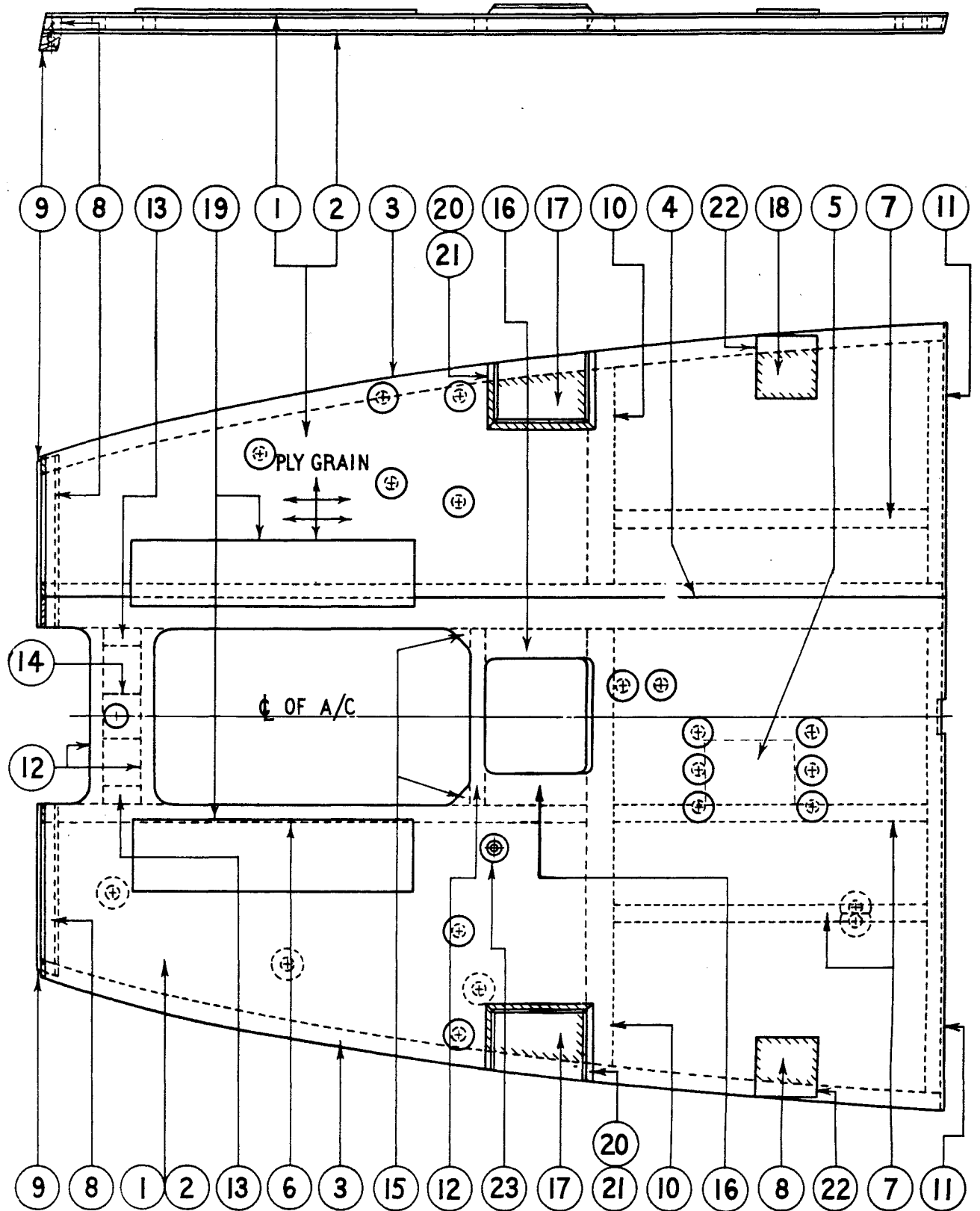


FIG. 4/12

COCKPIT FLOOR

FIG. 4/12

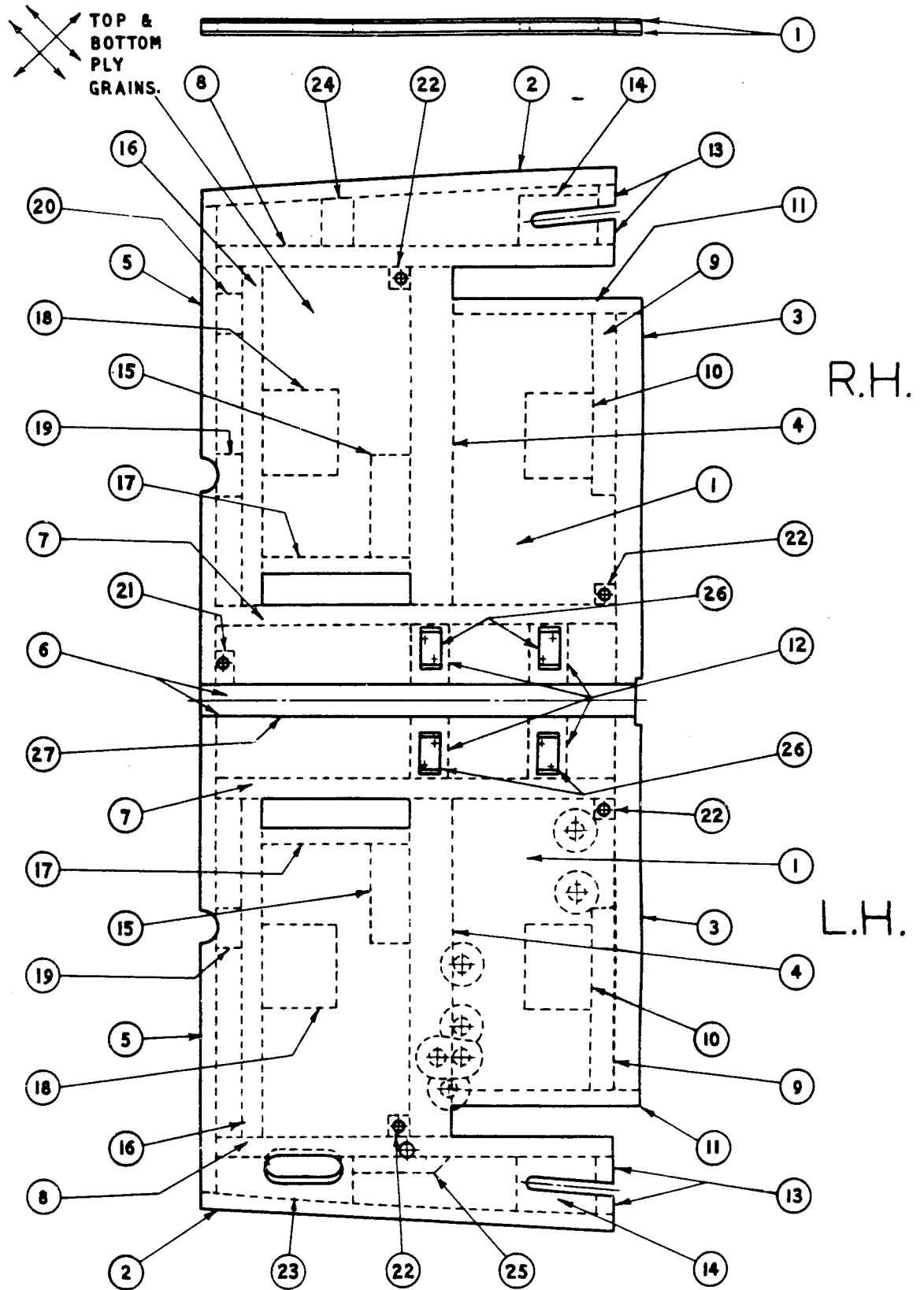


FIG. 4/13

CANNON FLOOR

FIG. 4/13

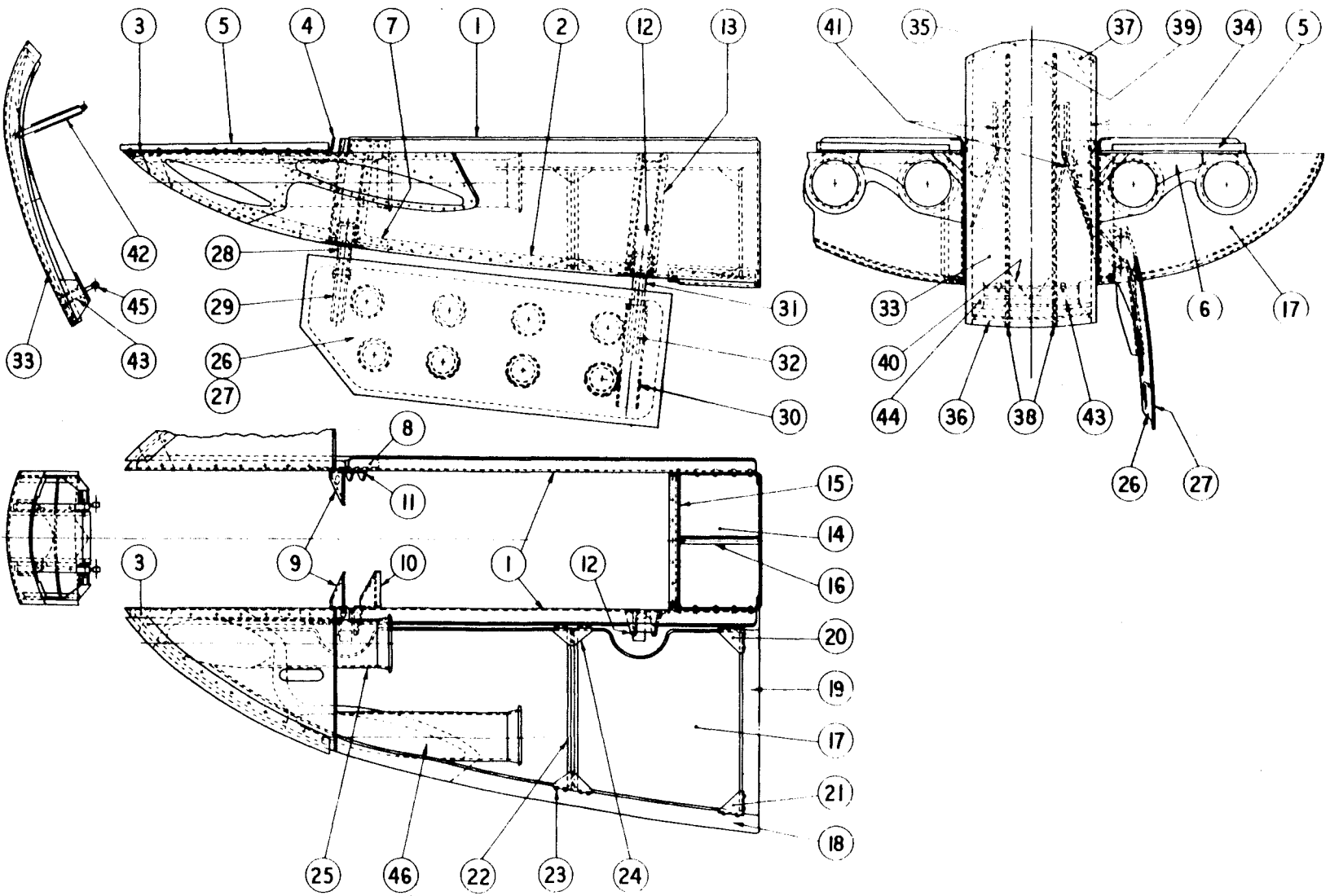


FIG. 4/14

NOSE WHEEL HOUSING

FIG. 4/14

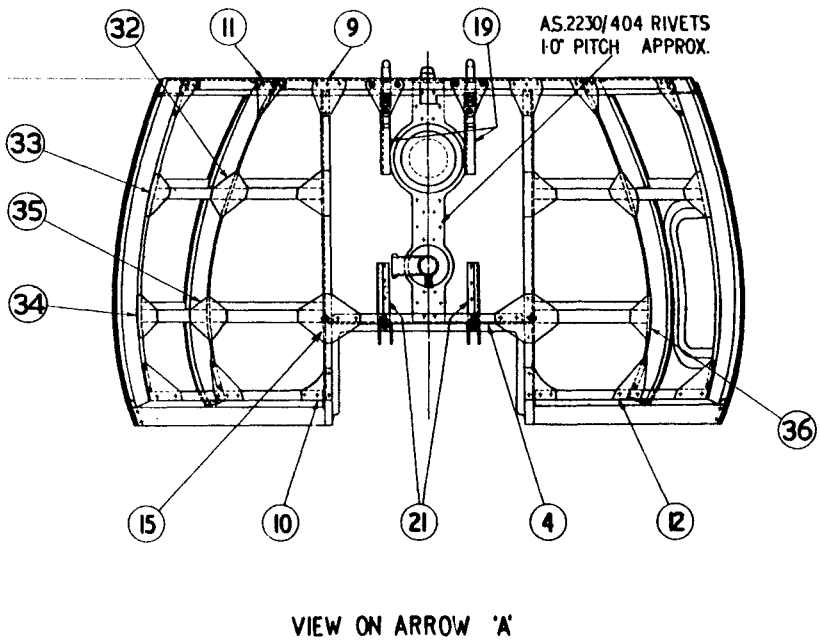


FIG. 4/15

FIXED NOSING

FIG. 4/15

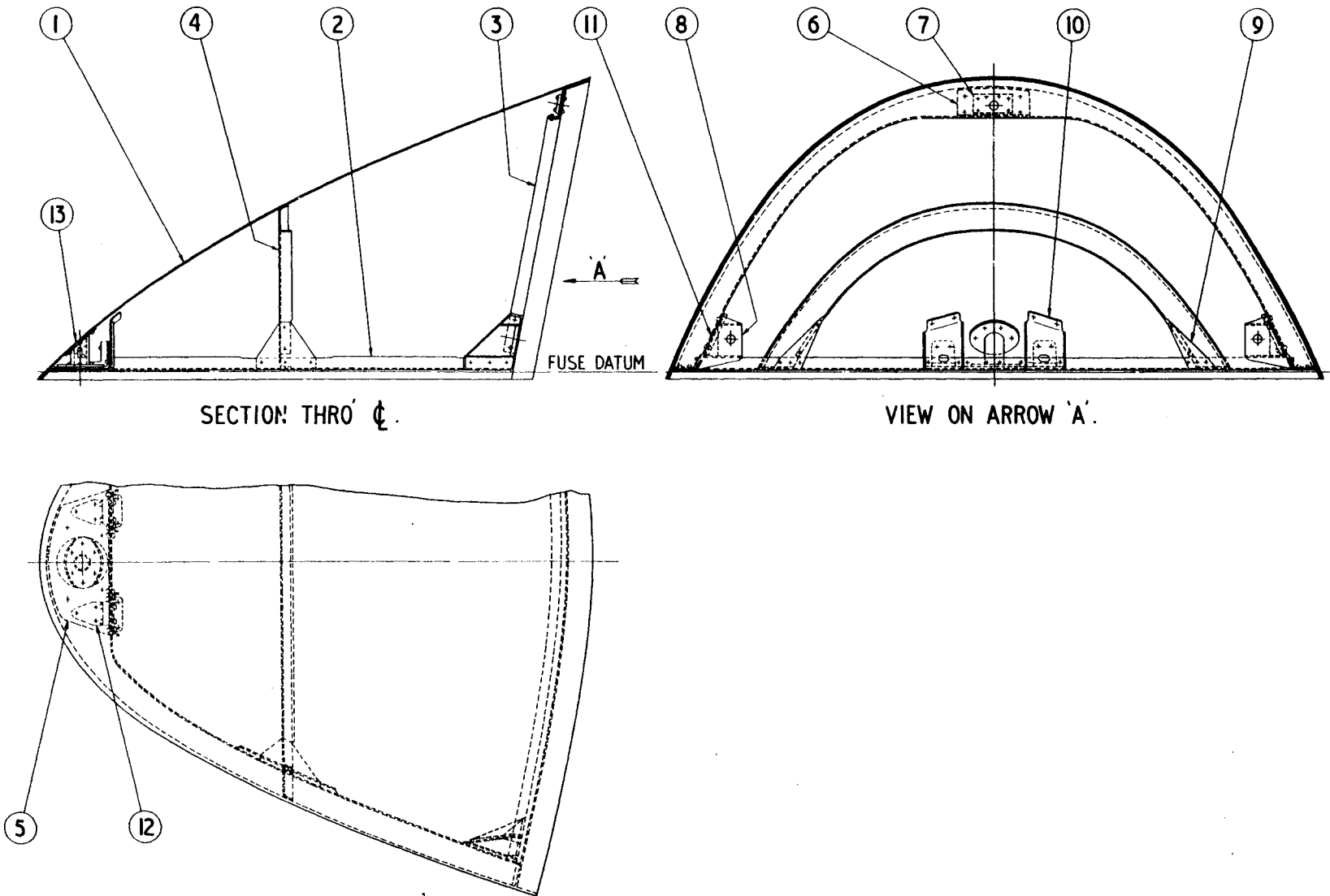
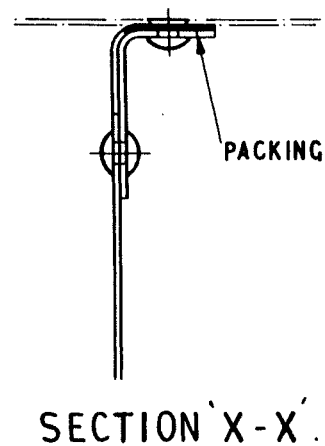


FIG. 4/16

DETACHABLE NOSING

FIG. 4/16



NOTES APPLYING TO ALL REPAIRS

PATCH TO BE SAME GAUGE AND MATERIAL AS EXISTING SKIN.
USE $\frac{5}{32}$ DIA. CSK. RIVETS A.S.2229 OR A.S.2230 WHERE POSSIBLE. WHERE IMPOSSIBLE USE $\frac{5}{32}$ DIA. CSK. CHOBERT RIVETS.

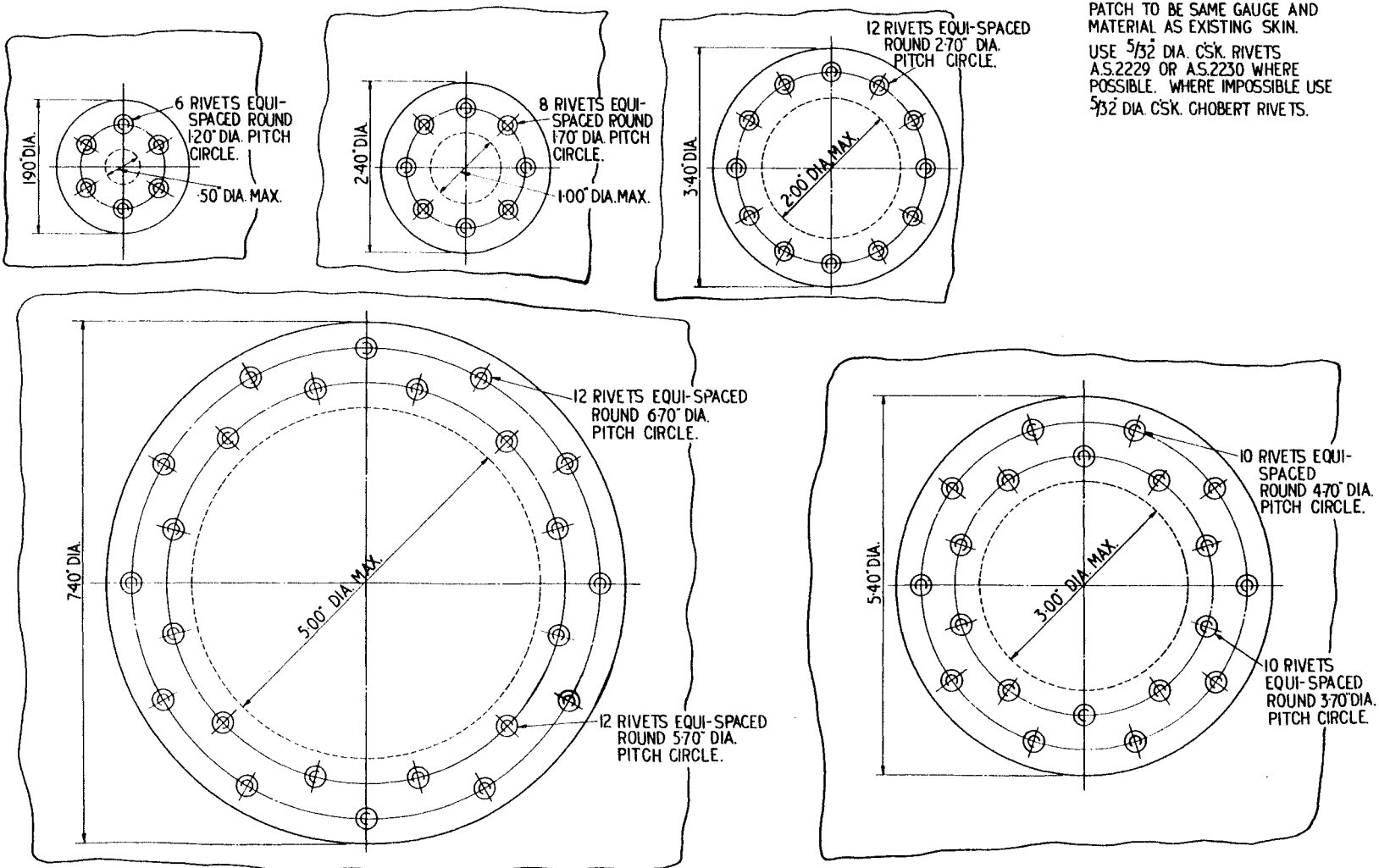
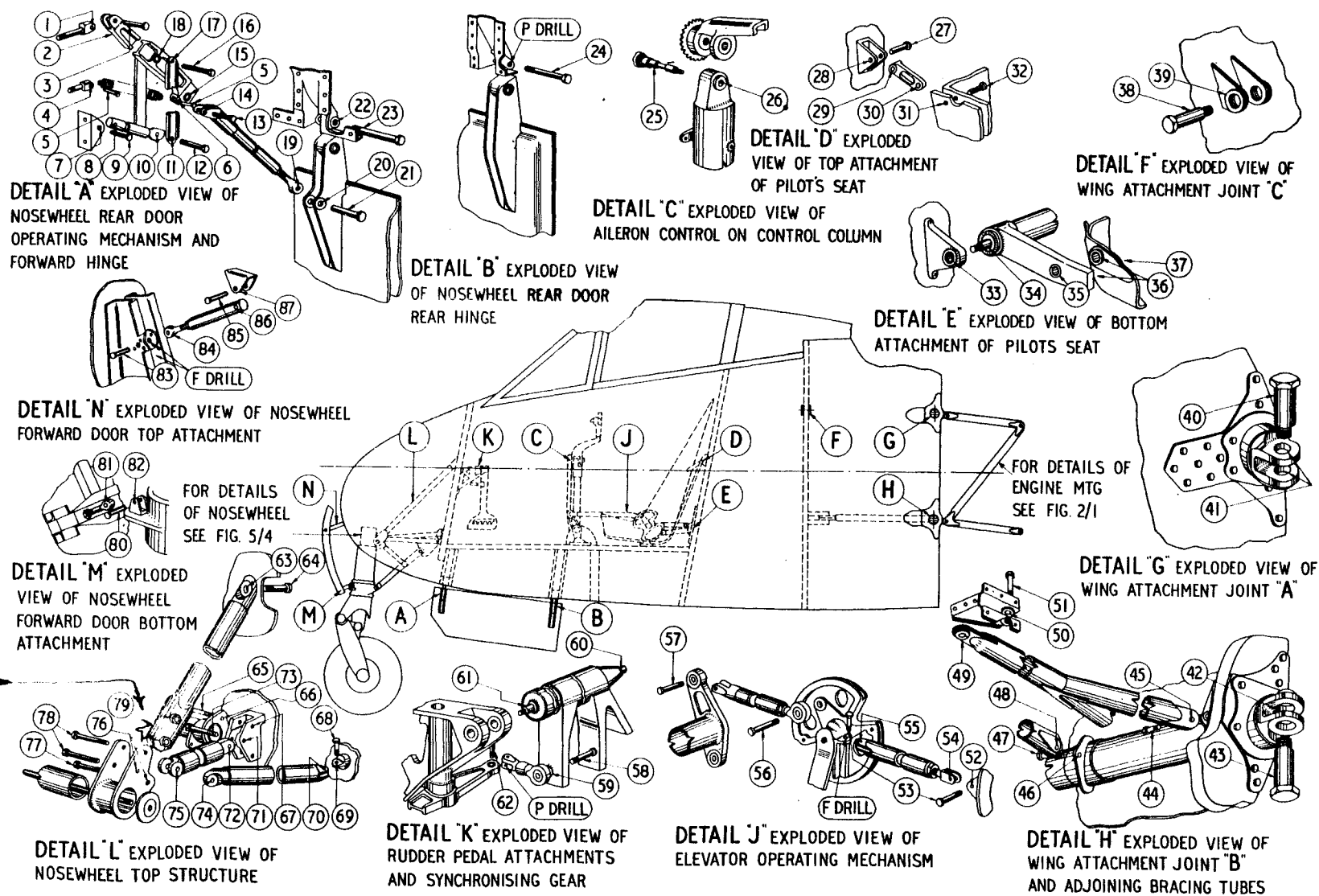


FIG. 4/18

METAL PATCH
REPAIRS FOR FUSELAGE FAIRINGS

FIG. 4/18

FIG. 4/19 EXPLODED VIEWS OF FUSELAGE FITTINGS FIG. 4/19



Lower back P drill hole } Main 10/11/12/13
Upper " 5/16 round hole } 12-13

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