

Group A.3

LOCATION OF EQUIPMENT

(Completely revised)

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TABLE

Table

Master index of electrical equipment.. 1

Introduction

1. Reference should be made to this group when it is required to locate and obtain access to the various electrical components installed in this aircraft. The group contains a master index of all the electrical equipment, together with illustrations showing the location of the components and the panels used to gain access. This index also forms the key to the illustrations as each component is given an item number and grid reference. Illustrations giving the layout of the cable assemblies for use in conjunction with the routeing diagrams are also included.

Location of electrical equipment

2. The location of the electrical equip-

ment in this aircraft is illustrated in fig.1 to 5 inclusive. These illustrations should be used in conjunction with the master index of electrical equipment given in Table 1, when it is required to locate any item of equipment.

Access to electrical equipment

3. The position on the aircraft of all the access panels which require opening or removing to gain access to the electrical equipment, are given in fig.6. The illustration should be used in conjunction with Table 1 when it is required to obtain access to a particular component.

Master index of electrical equipment

4. This master index, given in Table 1,

should be employed in conjunction with the location and access panel illustrations, when it is required to find the location and access to the various electrical components. The components are listed under the circuit in which they are employed and each item is referenced by a number corresponding to that given in the location and access panel illustrations. The illustrations on which the components are shown are also indicated in the index and the grid references are likewise given to assist in locating the items on the illustrations.

Cable assembly layout

5. The run of the cable assemblies

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between the various junction boxes, panels, terminal blocks and the equipment is illustrated diagrammatically in

fig.7 to 10. The illustrations also give the cable assembly, terminal block and earth point references and should be used in

conjunction with the routeing diagrams when it is required to trace the run of the cable assemblies throughout the aircraft.

TABLE 1

MASTER INDEX OF ELECTRICAL EQUIPMENT

ITEM	EQUIPMENT	FIG.	GRID REF.	ITEM	EQUIPMENT	FIG.	GRID REF.
MAJOR COMPONENTS				20			
1	J.B.1	3	D.3	21			
2	J.B.2	1	E.1	22			
3	J.B.3	3	E.5	23			
4	J.B.4	2	C.6	24			
5	A.C. J.B.	2	C.6	25			
6	Supply panel	2	B.9	GENERATORS AND BATTERIES			
7	Generator control panel	2	B.9	26	Generators	3	E.5
8	Leg panel	1 & 2	C.5 & C.4	27	Main batteries	2	D.9
9	Gun firing panel	2	C.9	28	External supply plug	2	D.9
10	Cabin port shelf	1	D.3	29	Battery master switch	1	D.5
11	Cabin starboard shelf	1	D.7	30	Power failure warning lamps	1	C.5
12	R.P. J.B.	3	D.1	31	Power failure indicators	2	On Item 7
13	Bomb/R.P. release and camera J.B.	2	B.6	32	Main circuit breakers	2	On Item 7
14	Bomb/R.P. selection J.B.	2	A.8	33	Test sockets	2	On Item 7
15				34	Ammeter shunts	2	On Item 7
16				35	Battery relay	2	On Item 7
17				36	Hold-off relays	2	On Item 7
18				37	Regulator relays	2	On Item 7
19				38	Reset switches	2	On Item 7

TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
39	Voltage regulators	2	On Item 7
40	Crash relays	2	On Item 7
41	Field circuit breakers	2	On Item 7
42	Differential cut-outs	2	On Item 7
43	Remote voltage trimmers	2	On Item 7
44	Standby batteries	2	C.8
45	Relay A.2	2	On Item 7
46	Relay B.2	2	On Item 7
47			
48			
49			
50			
51			

ENGINE STARTING AND CONTROL

52	Starter push-switch	1	C.5
53	Ignition isolating switch	1	C.5
54	Master switch	1	D.5
55	Re-light switch	1	E.3
56	Starter circuit breaker	1	E.9
57	Ignition unit	3	E.4
58	Ignition relay	2	On Item 6
59	Starter control unit	3	E.4
60	B.4 circuit breaker	2	D.9
61	Liquid fuel starter	3	D.5
62	Fuel pump motor	3	D.4
63	High-energy ignition units	3	C.7

ITEM	EQUIPMENT	FIG.	GRID REF.
64	Ignition plugs	3	D.8
65	High pressure switch	3	E.3
66	Solenoid valve	3	E.3
67	Ignition switch	3	D.4
68	Time delay switch	2	C.5
69			
70			
71			
72			
73			
74			

FIRE WARNING AND EXTINGUISHER

75	Fire warning lamp and extinguisher switch	1	A.6
76	Relay X	2	On Item 6
77	Inertia switches	2	C.6 & D.9
78	Extinguisher bottles	3	C.4
79	Flame switches(Pre Mod.960 A/C only)	3 & 4	B.7, B.9, D.7 E.7, E.9, E.2 & F.2
80	Test switch	1	E.9
81	Control unit (Post Mod.960 A/C only)	2	C.7
82	Detector loop (Post Mod.960 A/C only)	3 & 4	B.9, C.9, D.8 D.9, E.8, F.2 E.3 & F.5
83			

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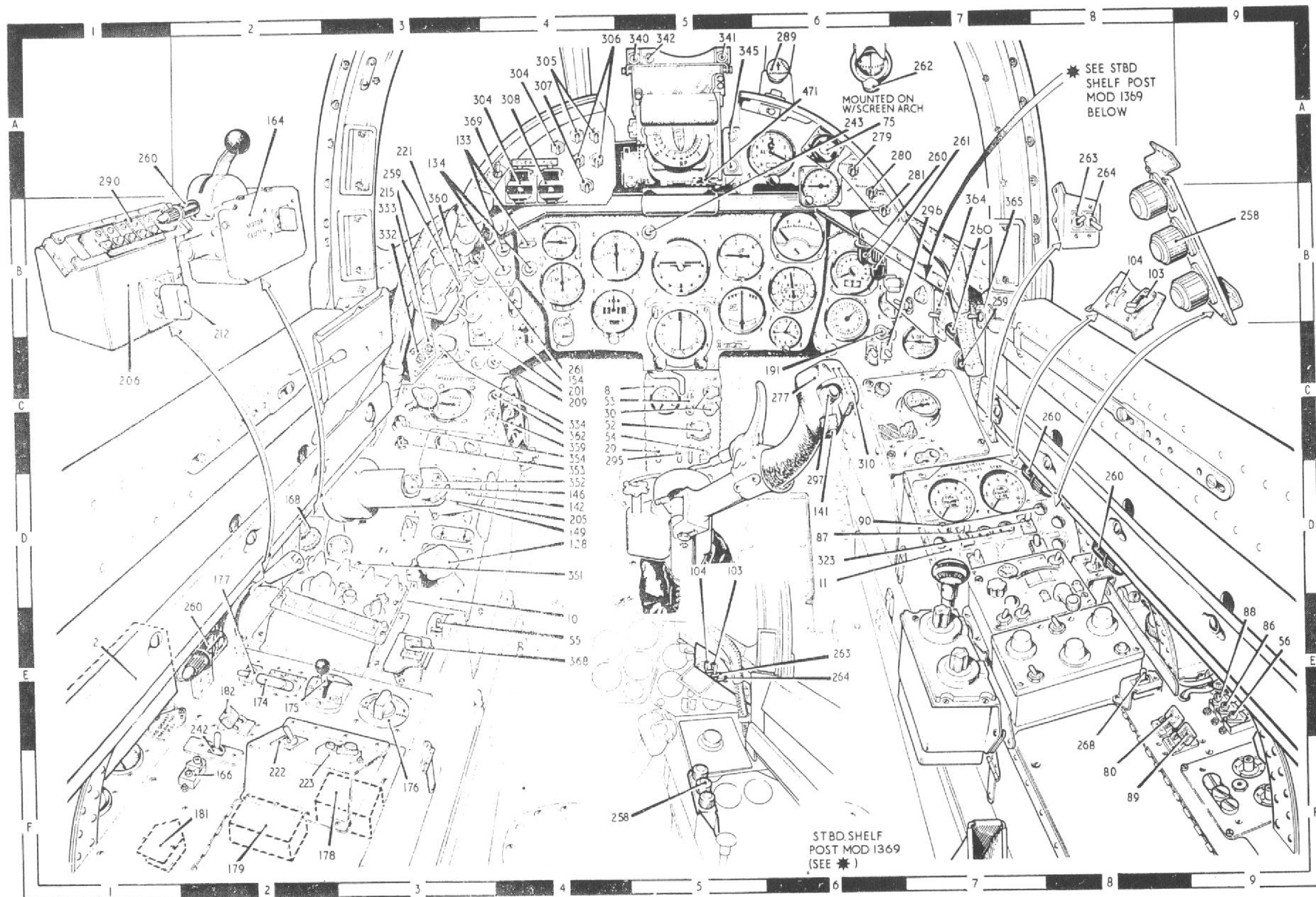


Fig. 1 Equipment location — cabin
◀ (Mod.1369 added) ▶

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TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
TANK PUMPS			
84	Pumps	3	E.1
85	Fuel pressure switches	3	E.1
86	Circuit breakers	1	E.9
87	Control switches	1	D.7
88	Ammeter test socket	1	E.9
89	Test switch	1	F.9
90	Pump indicators	1	D.7
91	Relay H.1	2	On Item 6
92	Relay G.1	2	On Item 6
93			
94			
95			
96			
PRESSURE REFUELLING			
97	Time switch	5	C.4
98	Solenoid valves	3	D.5
99	Fluid level switches	3 & 5	B.2 C.3 & C.7
100	Indicator	5	C.4
101			
102			
ENGINE ANTI-ICING			
103	Switch	1	B.8
104	Magnetic indicator	1	B.8

ITEM	EQUIPMENT	FIG.	GRID REF.
105	Gate valve actuator	3	C.8
106			
107			
FUEL FILTER DE-ICING			
108	Pump	3	D.7
109	Solenoid valve	3	E.7
110	Engine switch	3	D.6
111	Test switch	3	E.7
112	Relay S.I.	2	On Item 6
113	Indicator solenoid	3	E.6
114			
115			
EXPLOSION SUPPRESSION (Pre Mod.1271)			
116	Power pack	2	C.3
117	Neon indicator		(not illustrated)
118	Reset switch		(not illustrated)
119	Voltage trip unit	2	C.4
120	Detector units	4	E.2
121	Suppressor units	4	E.2
122	Test lamps	4	On Item 120
123	Indicator fuses	4	On Item 120
124	Test socket	4	E.2
125			
126			
127			

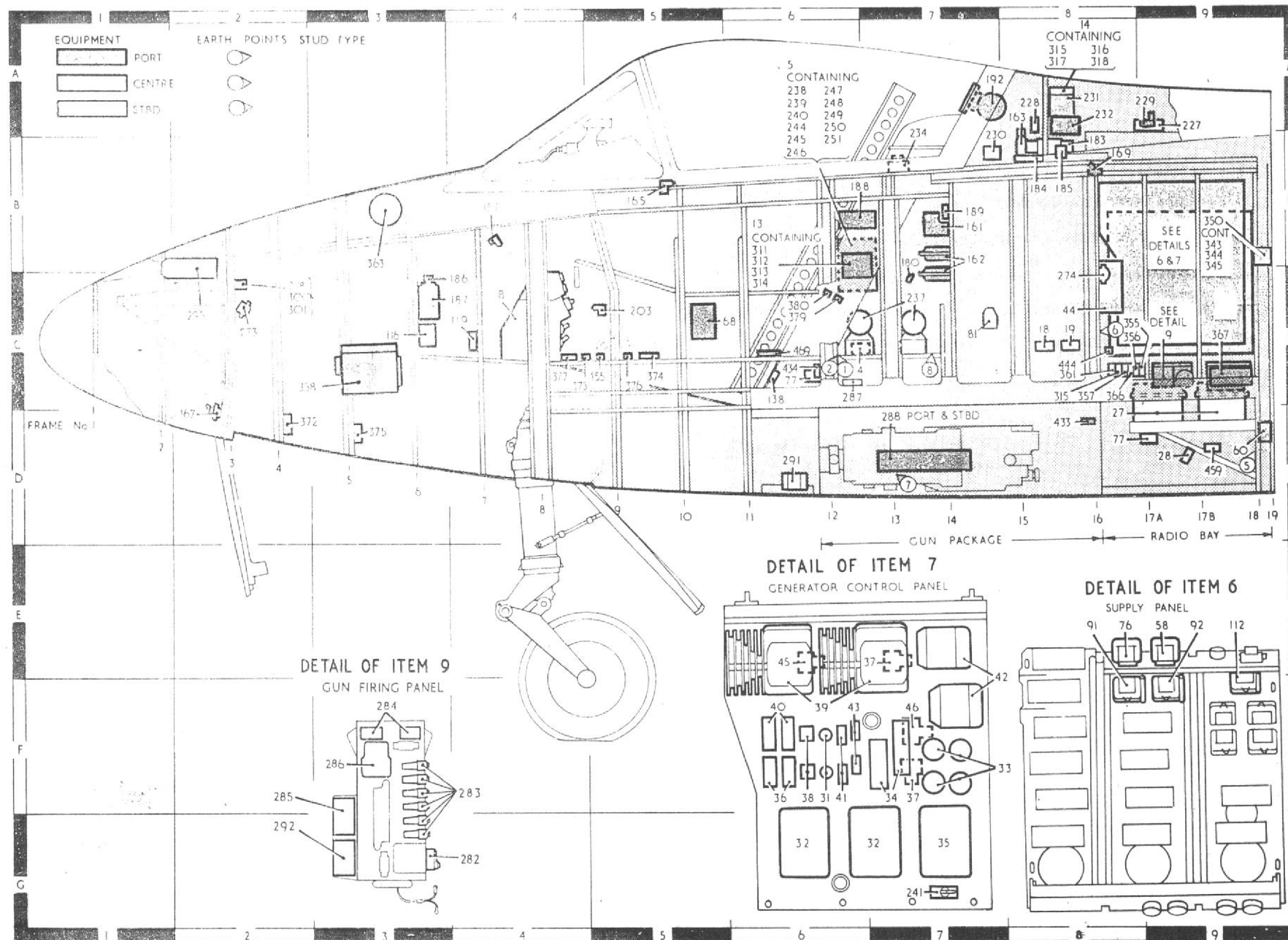


Fig.2. Equipment location - front fuselage

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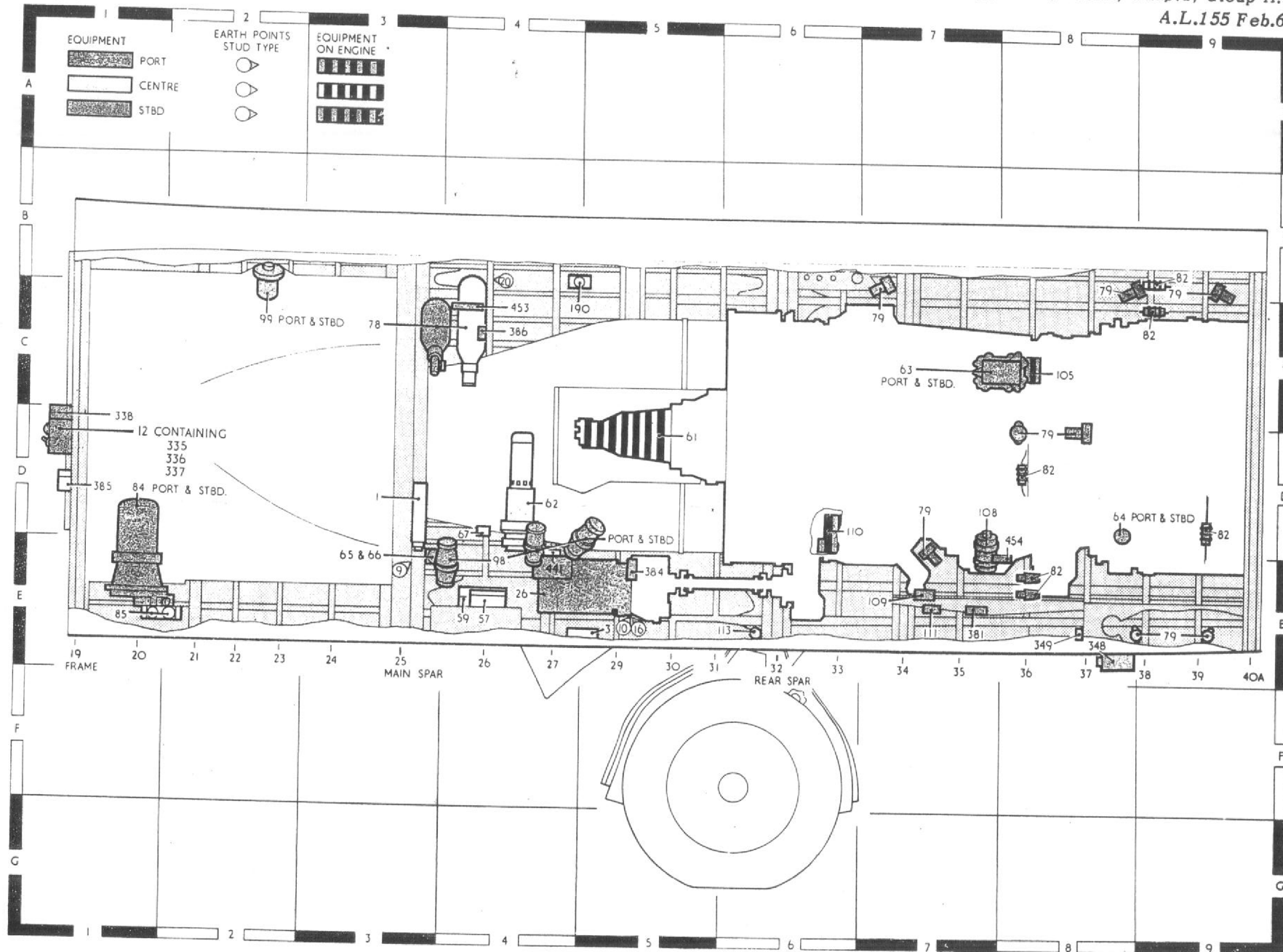


Fig.3. Equipment location - centre fuselage

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TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
RUDDER AND AILERON TRIM CONTROLS			
128	Trim switch	1	D.3
129	Rudder tab actuator	4	B.7
130	Aileron tab actuator	5	E.2
131			
132			
ELEVATOR AND AILERON POWER CONTROLS			
133	Elevator switch and indicator	1	B.4
134	Aileron switch and indicator	1	B.4
135	Elevator solenoid valve	4	D.6
136	Aileron solenoid valve	5	C.7
137	Hydraulic pressure switches	4 & 5	D.6 & C.7
138	Power controls junction box	2	C.6
139			
TAIL PLANE CONTROL			
140	Tail plane actuator	4	D.5
141	Normal control switch	1	C.6
142	Standby control switch	1	D.3
143			
144	Main contactor	4	D.5
145	Standby contactor	4	D.5
146	Tail plane selector switch	1	D.3
147	Flying tail microswitches	4	D.7
148	Datum actuator	4	D.7
149	Circuit breaker	1	D.3
150			

ITEM	EQUIPMENT	FIG.	GRID REF.
151			
152			
153			
FLAP CONTROL			
154	Selector switch	1	C.4
155	Drum follow-up switch	5	C.4
156	Solenoid valve	5	C.3
157	Emergency microswitch	2	B.4
158			
159			
160			
HOOD CONTROL			
161	Hood motor	2	B.7
162	Relay unit	2	B.7
163	Hood seal valve	2	A.8
164	Control switch	1	B.2
165	Close limit switch	2	B.5
166	Circuit breaker	1	F.1
167	External control switch	2	C.2
168	Selector plugs	1	D.2
169	Open limit switch	2	B.8
170			
171			
172			
173			

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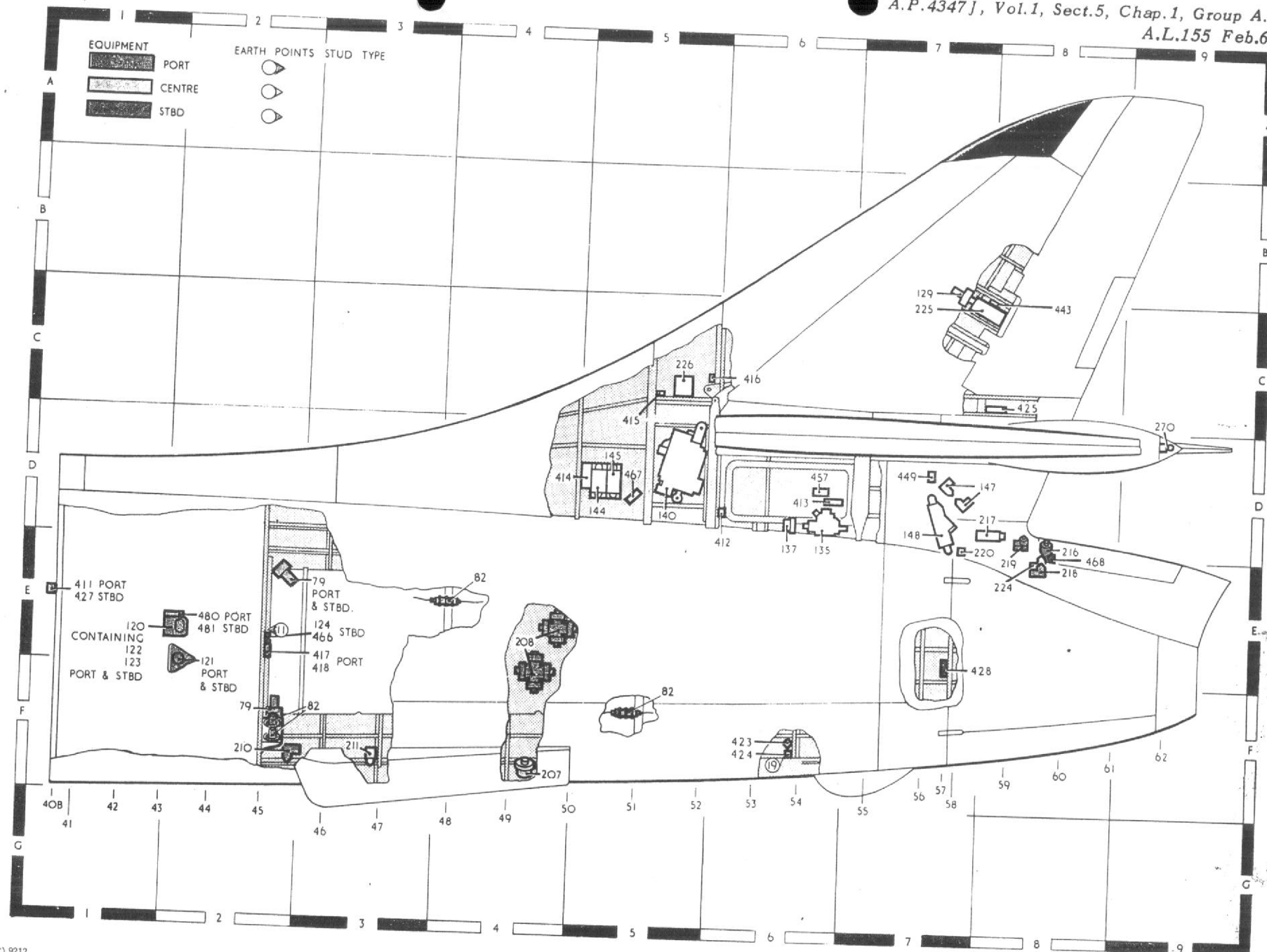


Fig.4. Equipment location - rear fuselage

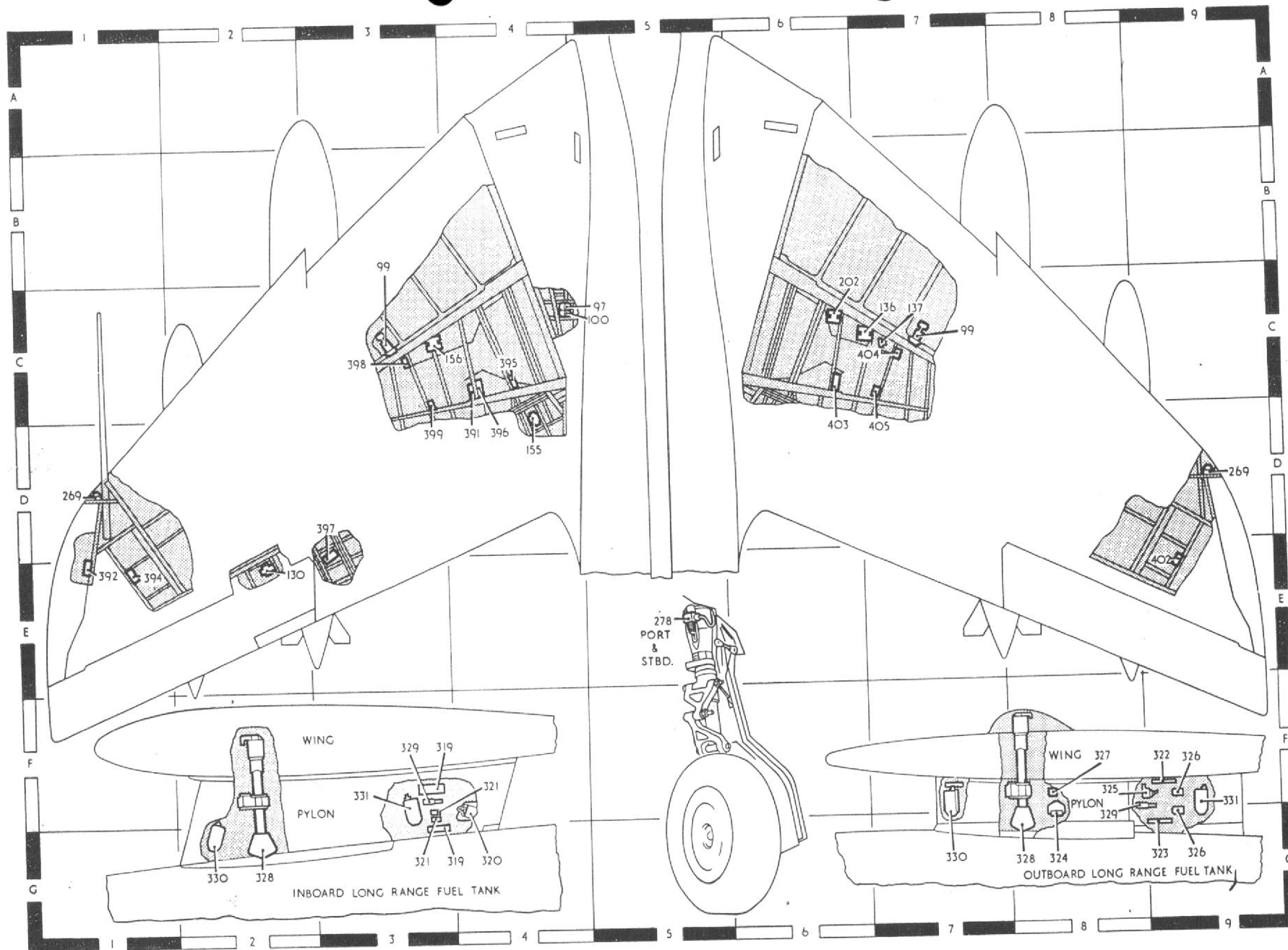


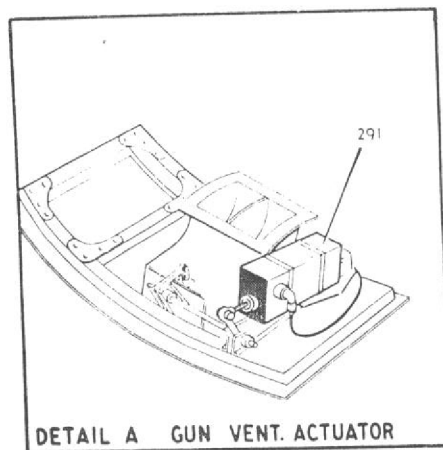
Fig.5. Equipment location - main planes

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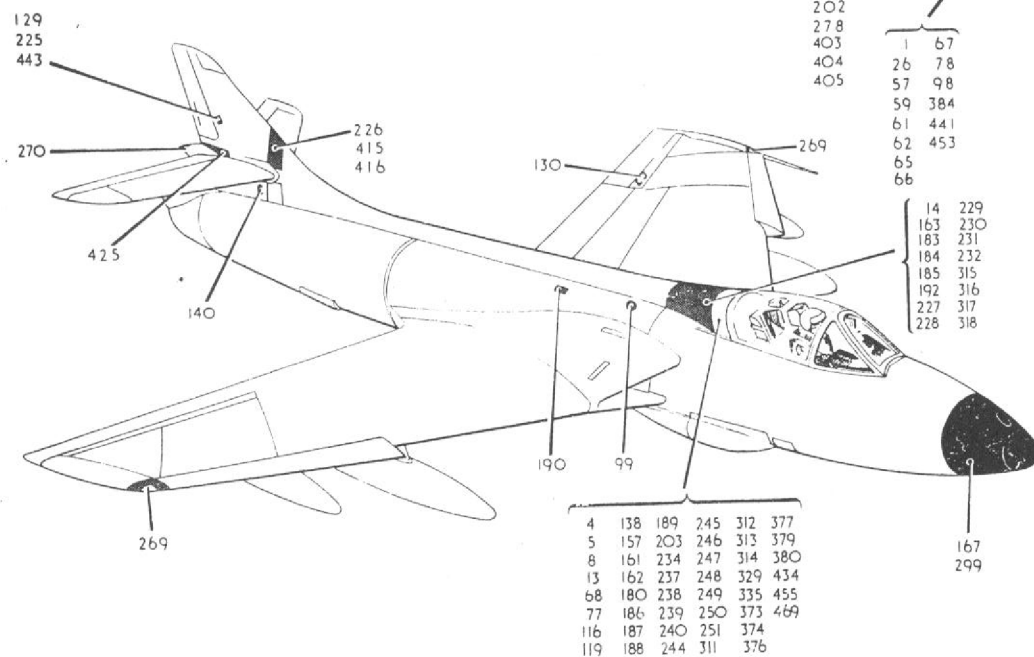
TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
CABIN PRESSURIZATION AND TEMPERATURE CONTROL			
174	Pressurization control switches ...	1	E.2
175	Temperature control switch	1	E.2
176	Temperature selector	1	E.3
177	Flood switch	1	E.2
178	Hood interlock relay	1	F.3
179	Flood control relay	1	F.2
180	Ductstat	2	C.7
181	Altitude switch	1	F.1
182	Pressure warning and flood test switch	1	E.2
183	Temperature control valve actuator ..	2	B.8
184	Suppressor	2	B.8
185	Follow-up resistor	2	B.8
186	Cabin element	2	C.3
187	Cabin pressure control valve	2	C.3
188	Magnetic amplifier	2	B.7
189	Extractor solenoid	2	B.7
190	Air supply valve actuator	3	B.4
191	Pressure warning lamp	1	C.6
192	Auxiliary discharge valve	2	A.7
193			
194			
195			
196			
197			
198			

ITEM	EQUIPMENT	FIG.	GRID REF.
199			
200			
ALIGHTING GEAR CONTROL			
201	Control push-switches	1	C.4
202	Solenoid valve	5	C.6
203	Emergency microswitch	2	C.5
204			
AIR BRAKE CONTROL			
205	Control switch	1	D.3
206	Air brake relay box	1	B.2
207	Pressure switch	4	F.4
208	Solenoid valves	4	E.4
209	Magnetic indicator	1	C.4
210	Forward microswitch	4	F.2
211	Aft microswitch	4	F.3
212	Test switch	1	B.2
213			
214			
PARACHUTE BRAKE			
215	Control switch	1	B.3
216	Door solenoid	4	D.8
217	Jettison release unit	4	D.8
218	Door microswitch	4	E.8
219	Fillet door microswitch	4	D.8
220	Test plug	4	D.8
221	Indicator lamps	1	B.3



6	35	45	241	337
7	36	46	274	338
9	37	58	282	344
12	38	60	283	350
27	39	76	284	355
28	40	77	285	356
31	41	91	286	357
32	42	92	287	361
33	43	112	292	366
34	44	169	335	367
			336	444



4	138	189	245	312	377
5	157	203	246	313	379
8	161	234	247	314	380
13	162	237	248	329	434
68	180	238	249	335	455
77	186	239	250	373	469
116	187	240	251	374	
119	188	244	311	376	

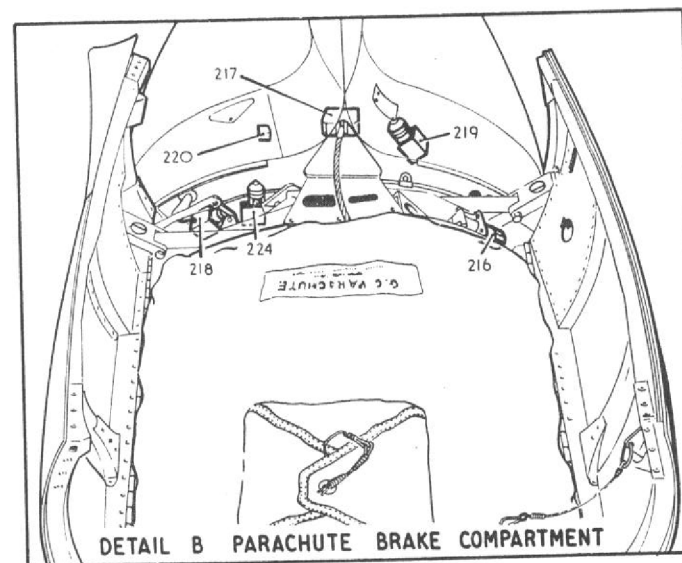
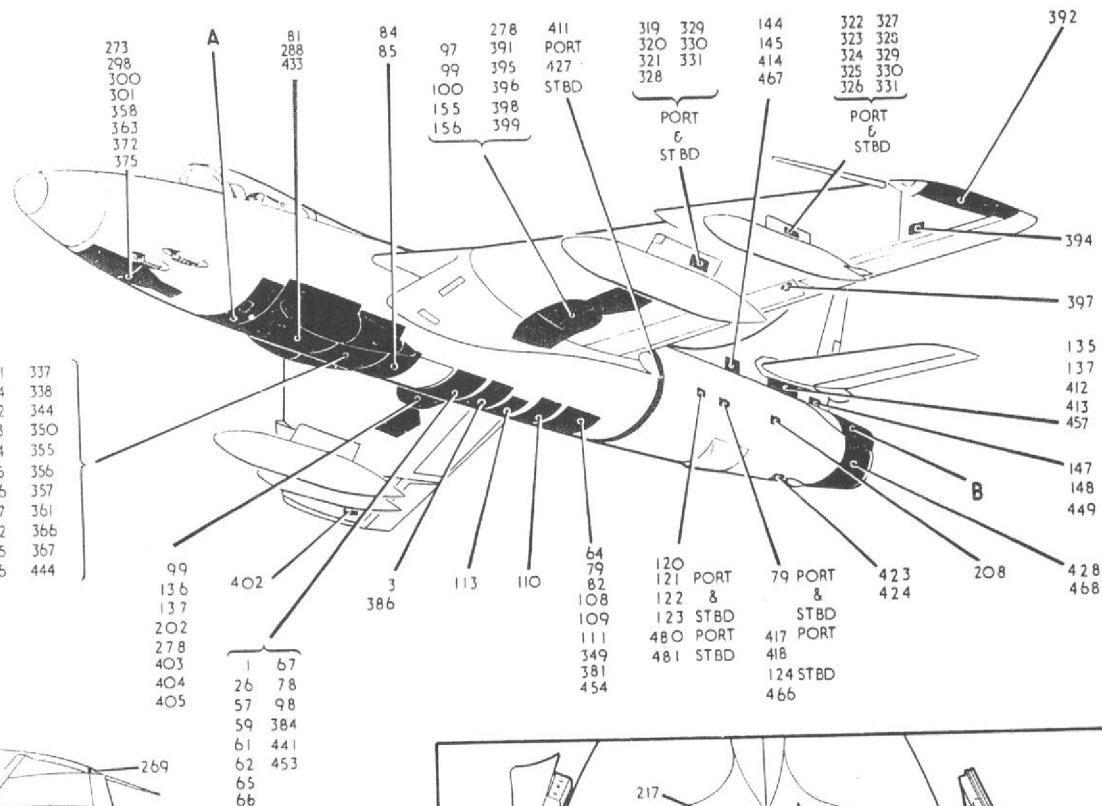


Fig.6. Access panels
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TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.	ITEM	EQUIPMENT	FIG.	GRID REF.
222	Test switch	1	F.2	245	Standby circuit breaker	2	In Item 5
223	Circuit breaker	1	F.3	246	Relay A	2	In Item 5
224	Door indicator microswitch	4	E.8	247	Relay B	2	In Item 5
AUTOSTABILIZER (Pre Mod.1026 A/C only)				248	Relay C	2	In Item 5
225	Servomotor	4	C.7	249	Relay D	2	In Item 5
226	Compass and autostabilizer junction box	4	C.5	250	Relay E	2	In Item 5
227	Slave relay unit	2	A.9	251	Relay F	2	In Item 5
228	Suppressor	2	A.8	252			
229	Gyro unit	2	A.9	253			
230	Phase advance unit	2	B.7	254			
231	Amplifier unit	2	A.8	255			
232	Monitor unit	2	A.8	256			
233	Switch assembly	(not illustrated)		257			
234	A.C. distribution box	2	B.7	CABIN LIGHTING			
235				258	Dimmer switches	1	B.8
236				259	U/V lamps	1	C.3 & C.7
A.C. SUPPLIES				260	Red lamps	1	B.6, C.7, D.2 D.8, E.1
237	Inverters	2	C.7	261	Standby lamps	1	B.4 & B.6
238	Torque switches	2	In Item 5	262	Standby compass lamp	1	A.7 & F.6
239	Suppressors	2	In Item 5	263	Standby lamps switch	1	B.8
240	Auto-transformer	2	In Item 5	264	Standby compass lamp switch	1	B.8
241	Test and reset switch	2	On Item 7	265			
242	Inverter selector switch	1	F.2	266			
243	Inverter change-over indicator	1	B.5	267			
244	Normal circuit breaker	2	In Item 5				

TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.	ITEM	EQUIPMENT	FIG.	GRID REF.
NAVIGATION LAMPS				289	Armament safety plug	1	A.6
268	Control switch	1	E.8	290	Circuit breakers armament services	1	D.1
269	Wing-tip lamps	5	D.1 & D.9	GUN VENTILATION			
270	Tail lamp	4	D.9	291	Ventilation actuator	2	D.6
271				292	Relay C.1	2	In Item 9
272				293			
SERVICE LAMPS				294			
273	Nose bay lamp	2	C.2	CAMERA GUN			
274	Radio bay lamp	2	C.8	295	Camera master switch	1	D.5
275				296	Bright/dull switch	1	C.6
276				297	Camera push-switch	1	C.6
GUN FIRING				298	Camera test switch	2	C.2
277	Firing trigger	1	C.6	299	Camera gun	2	C.2
278	Alighting gear compression micro-switches	5	E.5	300	Iris relay	2	C.2
279	Guns master switch	1	B.6	301	Camera run indicator	2	C.2
280	Guns selector switch	1	B.6	302			
281	Armament ground test switch	1	B.6	303			
282	Circuit breaker	2	In Item 9	BOMB RELEASE, FUZING AND JETTISON			
283	Gun fuses	2	In Item 9	304	Bomb master switch	1	B.4
284	Relays A and B	2	In Item 9	305	Inboard pylon switches, port and starboard	1	B.4
285	Relay F.1	2	In Item 9	306	Outboard pylon switches, port and starboard	1	B.4
286	Relay E.1	2	In Item 9	307	Bomb fuzing switch	1	B.4
287	Inverter	2	D.6	308	Inboard pylon stores jettison switch	1	B.4
288	Box electrics	2	D.7				

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TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
309	Outboard pylon stores jettison switch	1	B.4
310	Bomb/R.P. release push-switch ...	1	C.6
311	Bomb/R.P. release relay A ...	2	In Item 13
312	Camera relay B ...	2	In Item 13
313	G.G.S. caging relay C ...	2	In Item 13
314	Diode platform... ...	2	In Item 13
315	Pylon selection relays, C, D, E and F	2	In Item 14
316	Fuzing relays, A and B ...	2	In Item 14
317	Bomb fuzing fuses ...	2	In Item 14
318	Diodes 5, 6, 7 and 8 ...	2	In Item 14
319	Inboard pylons T.B.1 and T.B.2. ...	5	F.3 and G.3
320	Inboard pylons, practice/normal switch	5	F.4
321	Inboard pylons, relays C and D ...	5	F.3 and G.3
322	Outboard pylons, T.B.1 ...	5	F.9
323	Outboard pylons, T.B.2 ...	5	G.9
324	Outboard pylons T.B.3 ...	5	G.8
325	Outboard pylons, practice/normal switch	5	F.8
326	Outboard pylons, relays C and D ...	5	F.9 and G.9
327	Outboard pylons, relay R.F. ...	5	F.8
328	Release units ...	5	G.2 and G.8
329	Safety plockets ...	5	F.3 and F.8
330	Nose fuzing units and T.B.4 ...	5	G.2 and G.7
331	Tail fuzing units ...	5	F.3 and F.9

R.P. FIRING

332	R.P. master switch... ...	1	C.3
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ITEM	EQUIPMENT	FIG.	GRID REF.
333	R.P. mode switch ...	1	C.3
334	R.P. salvo selector switch ...	1	C.3
335	Reset indicator ...	3	In Item 12
336	Reset switch ...	3	In Item 12
337	Ripple relay ...	3	In Item 12
338	R.P. firing distribution box ...	3	D.1
339			
BANNER TARGET TOWING			
340	Port Stream switch/indicator ...	1	A.5
341	Starboard Stream switch/indicator ...	1	A.5
342	Standby release switch ...	1	A.5
343	Launch selector switch ...	2	On Item 350
344	Relay A and relay B ...	2	On Item 350
345	Continuity socket ...	1	A.5
346	Stream indicator microswitch ...	-	In target container
347	Stream solenoid ...	-	
348	Target release unit ...	3	E.8
349	Cock test socket ...	3	E.8
350	Target towing control box ...	2	B.9

RADIO SUPPLIES

351	U.H.F. tone switch ...	1	D.3
352	Press-to-transmit switch ...	1	D.3
353	Telebriefing push-switch ...	1	C.3
354	Telebriefing indicator lamp ...	1	C.3
355	U.H.F. services circuit breaker ...	2	C.8
356	A.R.C.52 circuit breaker ...	2	C.8

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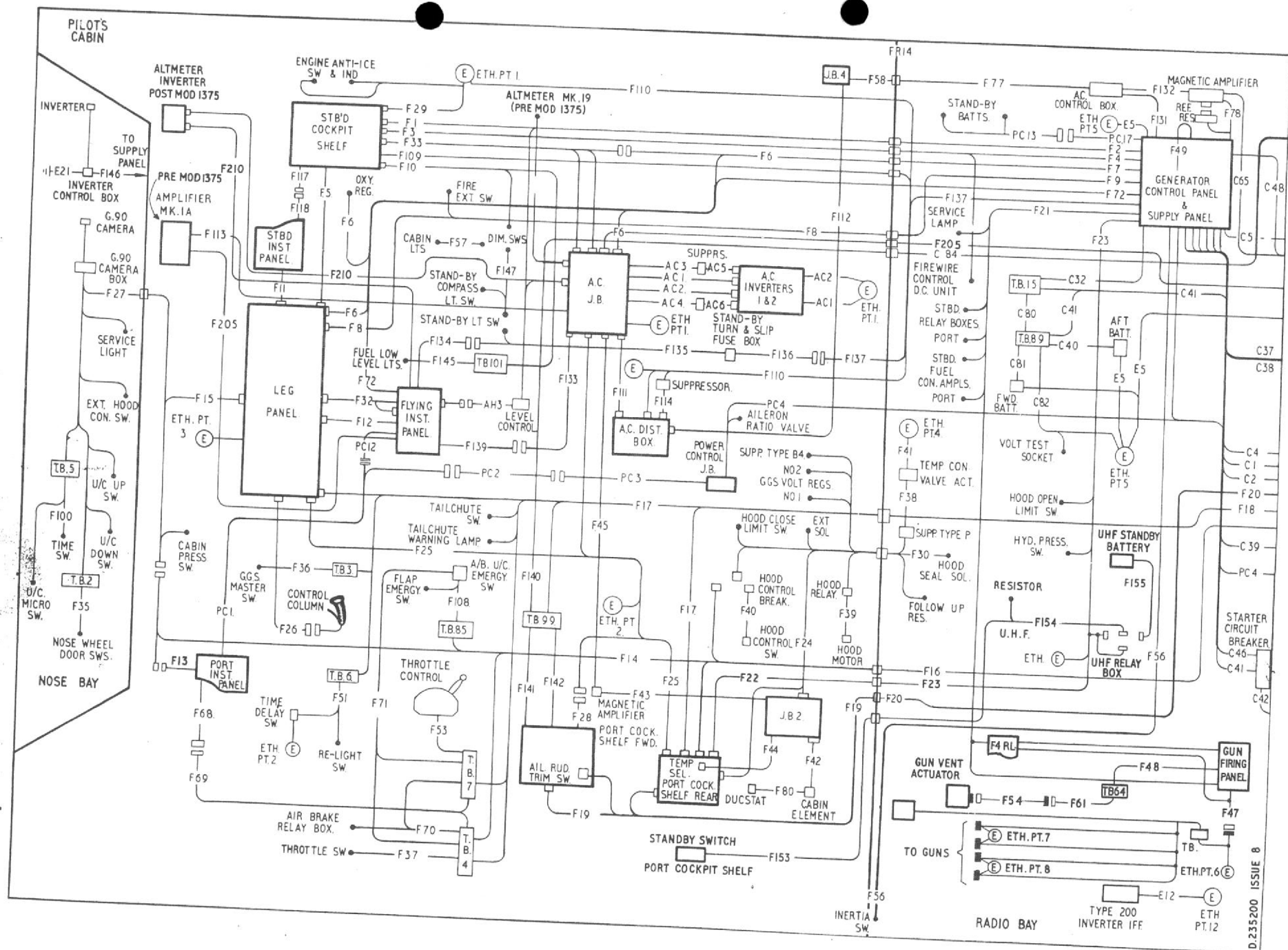


Fig.7 Cable assembly layout – front fuselage
(Mod.1375 added)

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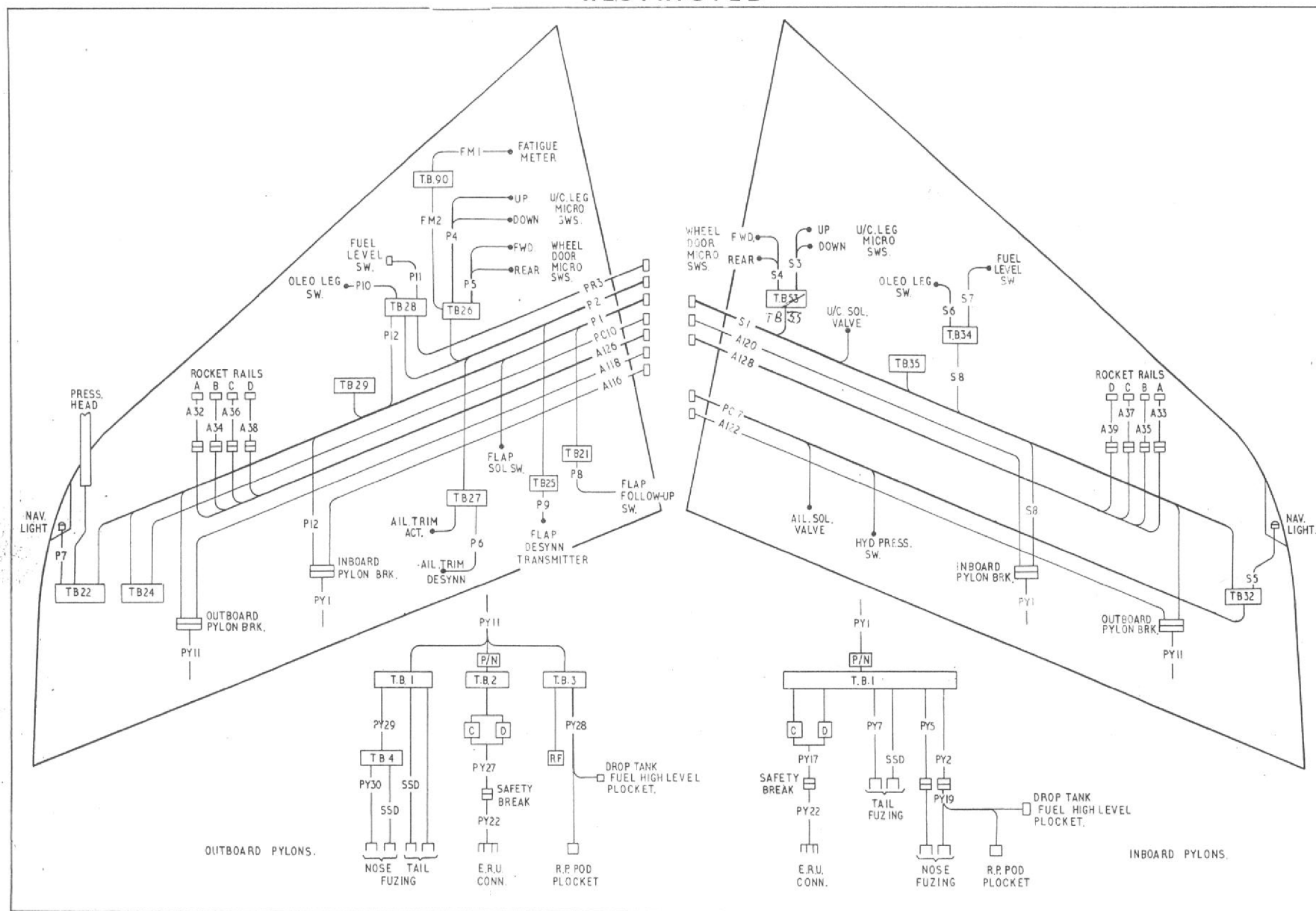
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(Mod.1375 added)

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◀ Cables PR3 and P2 corrected ▶

Fig.9. Cable assembly layout – wings and pylons

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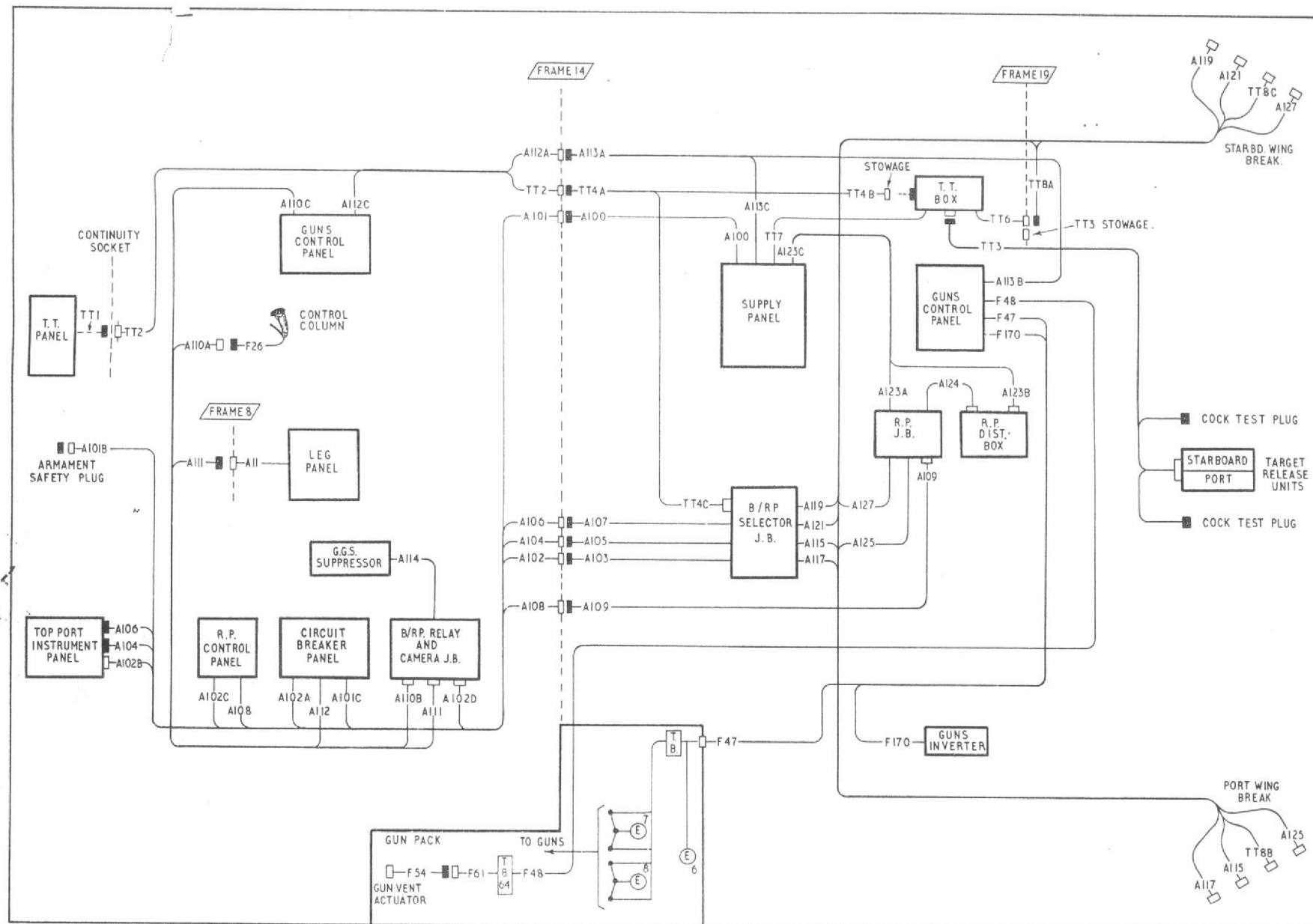


Fig.10. Cable Assembly Layout — Armament

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TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.	ITEM	EQUIPMENT	FIG.	GRID REF.
357	D.M.E. circuit breaker	2	C.8	382			
358	Radar ranging control panel	2	C.3	383			
359	Radar ranging switch	1	C.3	384	T.B.14	3	E.5
360	Presentation switch	1	B.4	385	T.B.15	3	D.1
361	Radar circuit breaker	2	C.8	386	T.B.16	3	C.4
362	Radar supply indicator	1	C.4	387			
363	Radar inverter	2	B.3	388			
364	I.F.F. master switch	1	C.7	389			
365	I.F.F. I.P. switch	1	B.7	390			
366	I.F.F. circuit breaker	2	C.8	391	T.B.21	5	C.4
367	I.F.F. inverter	2	C.9	392	T.B.22	5	E.1
368	U.H.F. Normal/standby switch ...	1	E.3	393			
369	U.H.F. Standby set, channel selector	1	A.4	394	T.B.24	5	E.1
370				395	T.B.25	5	C.4
TERMINAL BLOCKS				396	T.B.26	5	C.4
371				397	T.B.27	5	D.3
372	T.B.2	2	D.2	398	T.B.28	5	C.3
373	T.B.3	2	C.4	399	T.B.29	5	C.3
374	T.B.4	2	C.5	400			
375	T.B.5	2	D.3	401			
376	T.B.6	2	C.5	402	T.B.32	5	E.9
377	T.B.7	2	C.4	403	T.B.33	5	C.6
378				404	T.B.34	5	C.7
379	T.B.9	2	C.6	405	T.B.35	5	C.7
380	T.B.10	2	C.6	406			
381	T.B.11	3	E.7	407			

TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
408			
409			
410			
411	T.B.41	4	E.1
412	T.B.42	4	D.6
413	T.B.43	4	D.6
414	T.B.44	4	D.5
415	T.B.45	4	C.5
416	T.B.46	4	C.5
417	T.B.47	4	E.2
418	T.B.48	4	E.2
419			
420			
421			
422			
423	T.B.53	4	F.6
424	T.B.54	4	F.6
425	T.B.55	4	C.8
426			
427	T.B.57	4	E.1
428	T.B.58	4	E.7
429			
430			
431			
432			
433	T.B. on former E	2	D.8

ITEM	EQUIPMENT	FIG.	GRID REF.
434	T.B.64	2	C.6
435			
436			
437			
438			
439			
440			
441	T.B.71	3	E.4
442			
443	T.B.73	4	B.7
444	T.B.74	2	C.8
445			
446			
447			
448			
449	T.B.79	4	D.7
450			
451			
452			
453	T.B.83	3	C.4
454	T.B.84	3	E.8
455	T.B.85	2	C.5
456			
457	T.B.87	4	D.6
458			
459	T.B.89	2	D.9

TABLE 1 Continued

ITEM	EQUIPMENT	FIG.	GRID REF.
460			
461			
462			
463			
464			
465			
466	T.B.96 (Pre Mod.1271)	4	E.3
467	T.B.97	4	D.5
468	T.B.98	4	D.8
469	T.B.99	2	C.6
470			

ITEM	EQUIPMENT	FIG.	GRID REF.
471	T.B.101	1	B.5
472			
473			
474			
475			
476			
477			
478			
479			
480	T.B.110 (Pre Mod.1271)	4	E.2
481	T.B.111 (Pre Mod.1271)	4	E.2

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