

**ELECTRICAL INSTALLATIONS**  
**INSTALLATION OF A.C. 115V. 400C.P.S. 1Ph. SUPPLY (108 INVERTER)**  
**CODED "VP," "XE"**

Ref. No.	Part No.	Description	No. off	Material Specification	Class of Score or L.M	Plate No.
	—	<b>INSTALLATION OF A.C. 115V. 400C.P.S. 1Ph. SUPPLY (108 INVERTER) CODED "VP" "XE"</b>	1	—	—	
	—	<b>INSTALLATION AT PILOT'S SWITCH PANEL, CODED "H"</b> (Drg. Nos. for use on Pre Mod. 2 A/C :—10-20 N 9665A/2, 10-20 N 13415, 10-20 N 11801, 10-20 N 8553) (Drg. Nos. for use on Mod. 2 A/C :—10-20 N 15833A Pre Mod. 803, 10-20 N 15709A Mod. 803, 10-20 N 15777 and 10-20 N 15771 Mod. 702, Pre Mod. 803, 10-20 N 22227A Mods. 1053 and 803, 10-20 N 22251 Mods. 1016 and 803, 10-20 N 11421)	1	—	—	
	—	<b>BLOCK</b> , fuse, coded "CU," group	1	—	—	
	—	<b>BLOCK</b> , fuse, 12-way, assembly (See sub-section EBV)	—	—	—	
10H/23862	—	<b>FUSE</b> , 10 amp.	1	—	C	ECF1 ECF1A
	—	<b>BLOCK</b> , fuse, coded "CV," group	1	—	—	
	—	<b>BLOCK</b> , fuse, 12-way, assembly (See sub-section EBV)	—	—	—	
10H/23864	—	<b>FUSE</b> , 5 amp.	1	—	C	ECF1 ECF1A
	—	<b>BLOCK</b> , terminal, coded "CL," group	1	—	—	
	DHS.456/20L	<b>BLOCK</b> , terminal, 20-way, L.H., assembly (For breakdown see DHS. Data Sheet)	1	—	—	ECF1 ECF1A
SX/9149643	PLESSEY CZ.25111	<b>COVER</b> , terminal block	1	—	C	
7657	DHS.870/5	<b>PILLAR</b> , fixing, 4 BA	2	S.96	C	
26DV/12296	DHS.489/5	<b>SPACER</b>	2	P.V.C.	C	
	10-20 N 13713A	<b>CABLE</b> , bung Q1, coded "FB," assembly (Pre Mod. 2) (For cables circuit coded "VP," "XE")	1	—	ECC	ECF1
	10-20 N 23103A	<b>CABLE</b> , bung Q1, coded "FB," assembly (Mod. 1120, Pre Mod. 803) (For cables circuit coded "VP," "XE")	1	—	ECC	ECF1A
	10-20 N 23105A	<b>CABLE</b> , bung Q1, coded "FB," assembly (Mods. 1120 and 803) (For cables circuit coded "VP," "XE")	1	—	ECC	ECF1A
	10-20 N 9/174 Mk. 12	<b>CABLE</b> , coded "12.CL.H.VPB-VPB.T.E.3," assembly	1	—	ECC	ECF1 ECF1A
	10-20 N 9/574 Mk. 13	<b>CABLE</b> , coded "4.CL.H.VPB-VPB.T.E.3," assembly	1	—	ECC	ECF1 ECF1A
	10-20 N 13415/CABLES	<b>CABLES</b> , link (For use on Pre Mod. 2 A/C)	QR	—	ECC	ECF1
	10-20 N 15771/CABLES	<b>CABLES</b> , link (Pre Mod. 803)	QR	—	ECC	ECF1A
	10-20 N 22251/CABLES	<b>CABLES</b> , link (Mods. 1016 and 803)	QR	—	ECC	ECF1A
10F/0510577	—	<b>SWITCH</b> , toggle, coded "AP"	1	—	C	ECF1 ECF1A

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Ref. No.	Part No.	Description	No. off	Material Specification	Class of Store or L.M	Plate No.
		<b>INSTALLATION AT GROUP CODED "T," ABOVE NAVIGATOR'S VISOR</b> (Drg. Nos. for use on Pre Mod. 2 A/C :-10-20 N 5733, 10-20 N 7907, 10-20 N 8553) (Drg. Nos. for use on Mod. 2 A/C :-10-20 N 5733, 10-20 N 10635, 10-20 N 11421)	1	—	—	
	10-20 N 9/174 Mk. 14	<b>CABLE</b> , coded " 2.E.T.VPB-VPB.★3.D.6," assembly	1	—	ECC	ECF1
5CW/6453	—	<b>SWITCH</b> , magnetic, Type 9B, No. 2A, coded " E "	1	—	P	ECF1A ECF1A ECF1A
		Attachments for Ref. No. 5CW/6453, Switch :-				
28M/10327	AGS.2002/B/1	Nut, 4 BA ... ..	2	—	C	
28S/2887	A32/B32	Screw, 4 BA ... ..	2	—	C	
28W/9419465	SP.13/B	Washer ... ..	4	—	C	
		<b>TERMINAL</b> , earth, station 3, coded " D," group	1	—	—	
26DV/7529	DHS.438/C	<b>TAG</b> , corrosion ... ..	1	L.16	C	
26DV/4969	DHS.437/C	<b>TERMINAL</b> , earth, assembly ... .. (For breakdown see DHS. Data Sheet)	1	—	C	ECF1 ECF1A
		Attachments for DHS.437/C, Terminal :-				
28M/10288	AGS.2001/C/1	Nut, 2 BA ... ..	2	—	C	
28W/9419475	SP.15/C	Washer ... ..	2	—	C	
		<b>INSTALLATION AT STARBOARD WING DECK PANEL, CODED "FB"</b> (Drg. Nos. for use on Pre Mod. 2 A/C :-10-20 N 2679, 10-20 N 8803A/3, 10-20 N 10113) (Drg. Nos. for use on Mod. 2 A/C :-10-20 N 2679, 10-20 N 14863A, 10-20 N 11143)	1	—	—	
		<b>BLOCK</b> , fuse, coded " U," group ... ..	1	—	—	
		<b>BLOCK</b> , fuse, 12-way, assembly ... .. (See sub-section EBV)	—	—	—	
10H/23862	—	<b>FUSE</b> , 12 amp. ... ..	1	—	C	ECF1 ECF1A
		<b>BLOCK</b> , fuse, coded " V," group ... ..	1	—	—	
		<b>BASE</b> , fuse (See sub-section EBV) ... ..	—	—	—	
5CZ/5441	BRUSH ELECTRICAL Co. H.5770627	<b>FUSE</b> , 115 amp. H.R.C. ... ..	1	—	C	ECF1 ECF1A
		Attachments for Ref. No. 5CZ/5441, Fuse :-				
28M/1006939	A27/GP	Nut, $\frac{5}{16}$ " BSF ... ..	2	—	C	
26DV/8480	D. POWIS LTD.	Washer, $\frac{5}{16}$ " BSF, beryllium copper ... ..	2	—	C	
	DHS.456/20	<b>BLOCK</b> , terminal, 20-way, coded " F," assembly (For breakdown see DHS. Data Sheet)	1	—	—	ECF1 ECF1A
		Attachments for DHS.456/20, Block :-				
14987	10-20 N 8231	Pillar, fixing, 4 BA ... ..	2	S.92	C	
28W/9419474	SP.15/B	Washer ... ..	2	—	C	

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**INSTALLATION OF A.C. 115V. 400 C.P.S. 1Ph. SUPPLY (108 INVERTER)**  
**CODED "VP," "XE"**

Ref. No.	Part No.	Description	No. off						Material Specification	Class of Score or L.M	Plate No.
			1	2	3	4	5	6			
	—	<b>BLOCK</b> , terminal, coded "G," group ... ..						1	—	—	
	DHS.456/20	<b>BLOCK</b> , terminal, 20-way, assembly ... (For breakdown see DHS. Data Sheet)						1	—	—	ECF1 ECF1A
28D/12182	AS.1246/6B	<b>BOLT</b> , 4 BA (Mod. 963) ... ..						2	—	C	
5X/9149643	PLESSEY CZ.25111	<b>COVER</b> , terminal, block (Pre Mod. 963) ...						1	—	C	
7657	DHS.870/5	<b>PILLAR</b> , fixing, 4 BA (Pre Mod. 963) ...						2	—	C	
26DV/12296	DHS.489/5	<b>SPACER</b> (Pre Mod. 963) ... ..						2	—	C	
28W/9419474	SP.15/B	<b>WASHER</b> ... ..						2	—	C	
	10-20 N 9/174 Mk. 1	<b>CABLE</b> , coded "2.V.FB.VPA-VPA.ZK.4," assembly (Pre Mod. 740)						1	—	ECC	ECF1
	10-20 N 9/174 Mk. 9	<b>CABLE</b> , coded "15.G.FB.VPA-VPA.ZK.2," assembly (Pre Mod. 740)						1	—	ECC	ECF1
	10-20 N 9/174 Mk. 10	<b>CABLE</b> , coded "11.F.FB.VPB-VPB.ZA.A.11," assembly						1	—	ECC	ECF1 ECF1A
	10-20 N 9/174 Mk. 11	<b>CABLE</b> , coded "10.F.FB.VPB-VPB.ZA.A.12," assembly						1	—	ECC	ECF1 ECF1A
	10-20 N 9/674 Mk. 16	<b>CABLE</b> , coded "2.V.FB.VPA-VPA.AAD.1," assembly (Mod. 740)						1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 20	<b>CABLE</b> , coded "15.G.FB.VPA-VPA.AAE.1," assembly (Mod. 740)						1	—	ECC	ECF1A
	10-20 N 15387A	<b>CABLE</b> , coded "FB-ZA," assembly (Mod. 898) (For cables circuit coded "XE")						1	—	ECC	ECF1 ECF1A
	—	<b>TERMINAL</b> , earth, station 8, coded "D," group						1	—	—	
26DV/7529	DHS.438/C	<b>TAG</b> , corrosion ... ..						1	—	C	
26DV/4969	DHS.437/C	<b>TERMINAL</b> , earth, assembly ... .. (For breakdown see DHS. Data Sheet)						1	—	C	ECF1 ECF1A
	—	Attachments for DHS.437/C, Terminal :—									
	28M/10328	Nut, 2 BA ... ..						2	—	C	
	28S/15552	Screw, 2 BA ... ..						2	—	C	
28W/9419402	SP.13/C	Washer ... ..						2	—	C	
	—	<b>INSTALLATION AT TAIL BOOM, STAR-BOARD</b> (Drg. Nos. 10-20 N 13787, 10-20 N 10075 Pre Mod. 740, 10-20 N 15563A Mod. 740)						1	—	—	
	DHS.456/5	<b>BLOCK</b> , terminal, 5-way, coded "AAE," assembly (Mod. 740) (For breakdown see DHS. Data Sheet)						1	—	—	ECF1A
	—	Attachments for DHS.456/5, Block :—									
28D/12690	AS.1246/5B	Bolt, 4 BA ... ..						2	—	C	
	—	<b>BOARD</b> , terminal, coded "AAD," group (Mod. 740)						1	—	—	
5X/9402792	AS.2651	<b>BOARD</b> , terminal, 2-way ... ..						1	—	C	ECF1A
	10-20 N 22349ND	<b>COVER</b> , block connector (Make from Ref. No. 5H/11)						1	—	LM	
5X/9400056	AS.2675	<b>FERRULE</b> ... ..						4	—	C	
28S/9995376	A32/B20	<b>SCREW</b> , 4 BA ... ..						2	—	C	
5X/9002	AS.2642	<b>SOCKET</b> , terminal ... ..						2	—	C	
28W/9419465	SP.15/B	<b>WASHER</b> ... ..						2	—	C	
	10-20 N 9/174 Mk. 2	<b>CABLE</b> , coded "3.ZK.VPA-VPA.ZG.1," assembly (Pre Mod. 740)						1	—	ECC	ECF1
	10-20 N 9/174 Mk. 3	<b>CABLE</b> , coded "2.ZG.VPA-VPA.ZE.POS," assembly						1	—	ECC	ECF1 ECF1A
20111	10-22 N 2435A	<b>CABLE</b> , coded "ZE-★18, assembly (Mod. 1416)						1	—	C	

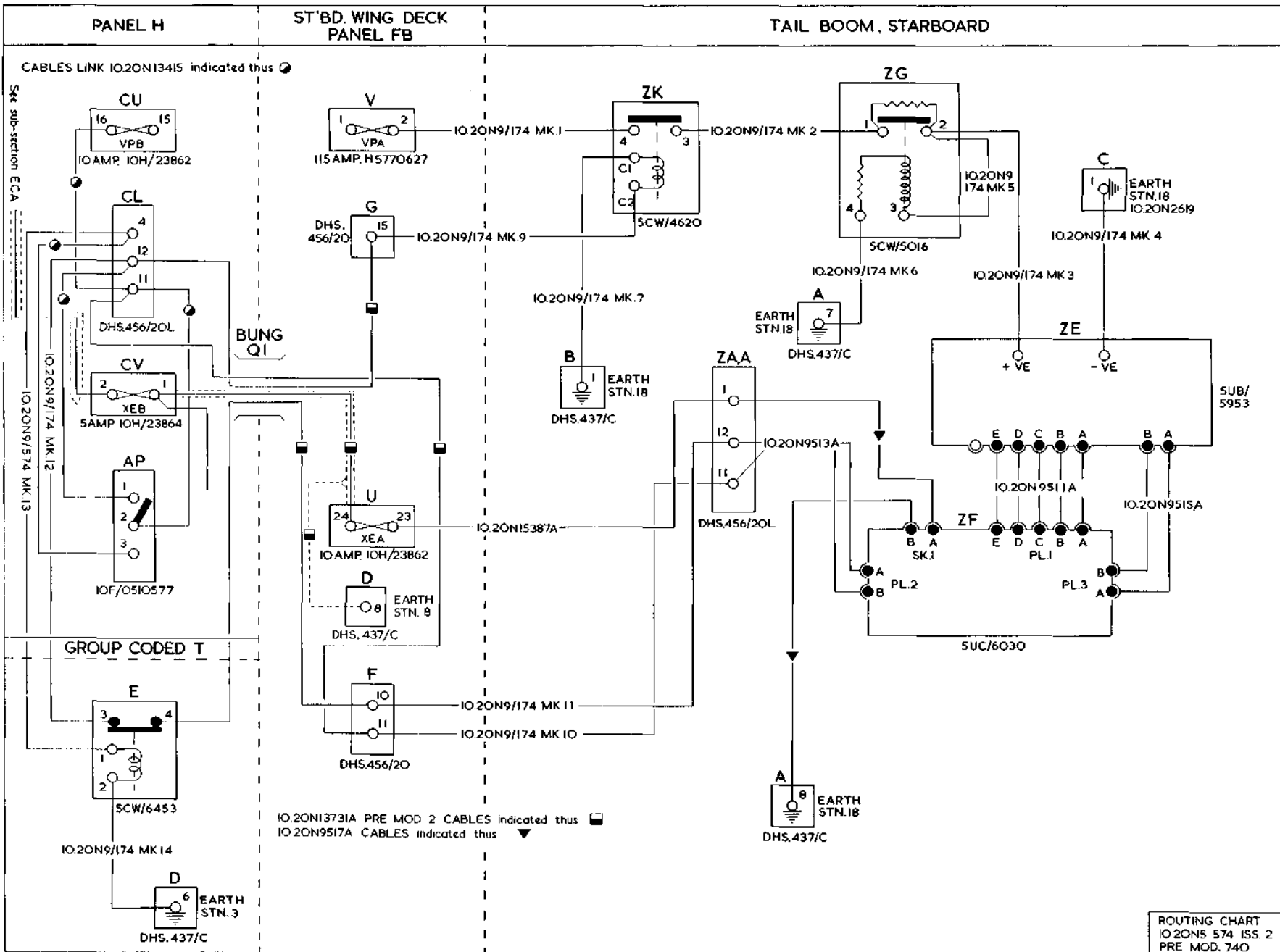
**ELECTRICAL INSTALLATIONS**  
**INSTALLATION OF A.C. 1115V. 400 C.P.S. 1Ph. SUPPLY (108 INVERTER)**  
**CODED "VP," "XE"**

Ref. No.	Part No.	Description	No. off	Material Specification	Class of Store or L.M.	Plate No.
	10-20 N 9/174 Mk. 5	CABLE, coded "3.ZG.VPA-VPA.ZG.2," assembly	1	—	ECC	ECF1
	10-20 N 9/174 Mk. 6	CABLE, coded "7.A.18★.VPA-VPA.ZG.4," assembly	1	—	ECC	ECF1A ECF1
	10-20 N 9/174 Mk. 7	CABLE, coded "1.B.18★.VPA-VPA.ZK.1," assembly (Pre Mod. 740)	1	—	ECC	ECF1
	10-20 N 9/674 Mk. 17	CABLE, coded "4.ZK.VPA-VPA.AAD.1," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 18	CABLE, coded "3.ZK.VPA-VPA.AAD.2," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 19	CABLE, coded "1.ZG.VPA-VPA.AAD.2," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 21	CABLE, coded "2.ZK.VPA-VPA.AAE.1," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 22	CABLE, coded "1.B.18★.VPA-VPA.AAE.2," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9/674 Mk. 23	CABLE, coded "1.ZK.VPA-VPA.AAE.2," assembly (Mod. 740)	1	—	ECC	ECF1A
	10-20 N 9511A	CABLE, coded "ZE-ZF.PL1," assembly ...	1	—	ECC	ECF1 ECF1A
	10-20 N 9513A	CABLE, coded "ZF.PL2," assembly ...	1	—	ECC	ECF1 ECF1A
	10-20 N 9515A	CABLE, coded "ZE-ZF.PL3," assembly ...	1	—	ECC	ECF1 ECF1A
	10-20 N 9517A	CABLE, coded "ZF.SK1," assembly ...	1	—	ECC	ECF1 ECF1A
SUB/5953	ROTAX S.3303	INVERTER, Type 108, coded "ZE" ...	1	—	P	ECF1 ECF1A
Attachments for Ref. No. SUB/5953, Inverter :—						
28D/1011244	A25/9E	Bolt, 1/4" BSF ...	2	—	C	
28D/1212313	A25/15E	Bolt, 1/4" BSF ...	1	—	C	
28D/7002440	A25/18E	Bolt, 1/4" BSF ...	1	—	C	
28W/9418921	SP.13/E	Washer ...	4	—	C	
5UC/6030	ROTAX U.1504	PANEL, control, Type 26, codeed "ZF" ...	1	—	P	ECF1 ECF1A
	—	PANEL, terminal block, hinged, coded "ZA," assembly	1	—	—	
	DHS.456/20L	Spares for :— BLOCK, terminal, 20-way, L.H., coded "A," assembly (For breakdown see DHS. Data Sheet)	1	—	—	ECF1 ECF1A
Attachments for DHS.456/20L, Block :—						
28D/12138	AS.1246/10B	Bolt, 4 BA ...	2	—	C	
26DV/12296	DHS.489/5	Spacer ...	2	—	C	
(For remainder of breakdown see sub-section EAY)						
5CW/5016	ROTAX U.2005	SWITCH, magnetic, starting, Type 1A, No. 5, coded "ZG"	1	—	P	ECF1 ECF1A
Attachments for Ref. No. 5CW/5016, Switch :—						
28D/7002428	A25/6C	Bolt, 2 BA ...	2	—	C	
17077	10-20 N 15553	Bolt, slotted, 2 BA ...	2	—	C	ECH3
28W/9419402	SP.13/C	Washer ...	4	—	C	

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**CODED "VP," "XE"**

Ref. No.	Part No.	Description	No. off	Material Specification	Class of Store or L.M	Place No.
5CW/4620	E.L.38635	<b>SWITCH</b> , magnetic, Type T, No. 1, coded "ZK"	1	—	P	ECF1 ECF1A
28M/10288	AGS.2001/C/1	Attachments for Ref. No. 5CW/4620, Switch :— Nut, 2 BA (Mod. 7) ... ..	2	—	C	
28S/9992533	A32/C20	Screw, 2 BA (Pre Mod. 7) ... ..	2	—	C	
28W/9419402	SP.13/C	Washer ... ..	2	—	C	
—	—	<b>TERMINALS</b> , earth, station 18, coded "A" and "B," group	1	—	—	
26DV/7529	DHS.438/C	<b>TAG</b> , corrosion ... ..	2	L.16	C	
26DV/4969	DHS.437/C	<b>TERMINAL</b> , earth, assembly ... .. (For breakdown see DHS. Data Sheet)	2	—	C	ECF1 ECF1A
28D/9436920	A25/1C	Attachments for DHS.437/C, Terminal :— Bolt, 2 BA ... ..	2	—	C	
28M/10288	AGS.2001/C/1	Nut, 2 BA ... ..	2	—	C	
28W/9419402	SP.13/C	Washer ... ..	2	—	C	
—	—	<b>TERMINAL</b> , earth, station 18, coded "C," group	1	—	—	
4146	10-20 N 2619	<b>BOLT</b> , $\frac{3}{16}$ " BSF ... ..	1	S.96	C	ECF1 ECF1A ECH2
28M/10291	AGS.2001/G/1	<b>NUT</b> , $\frac{3}{16}$ " BSF ... ..	1	—	C	
28M/15258	A24/GT	<b>NUT</b> , lock, $\frac{3}{16}$ " BSF ... ..	1	—	C	
28W/9419403	SP.13/G	<b>WASHER</b> ... ..	1	—	C	
26FN/2886	DHS.439/G	<b>WASHER</b> , corrosion ... ..	2	L.16	C	
32B/—	—	<b>TAPE</b> , identification, numbers and letters, use from Ref. Nos. 32B/1087 to 32B/1120 inclusive, as required	QR	—	C	





ECF.1

**ELECTRICAL INSTALLATION**

ECF.1

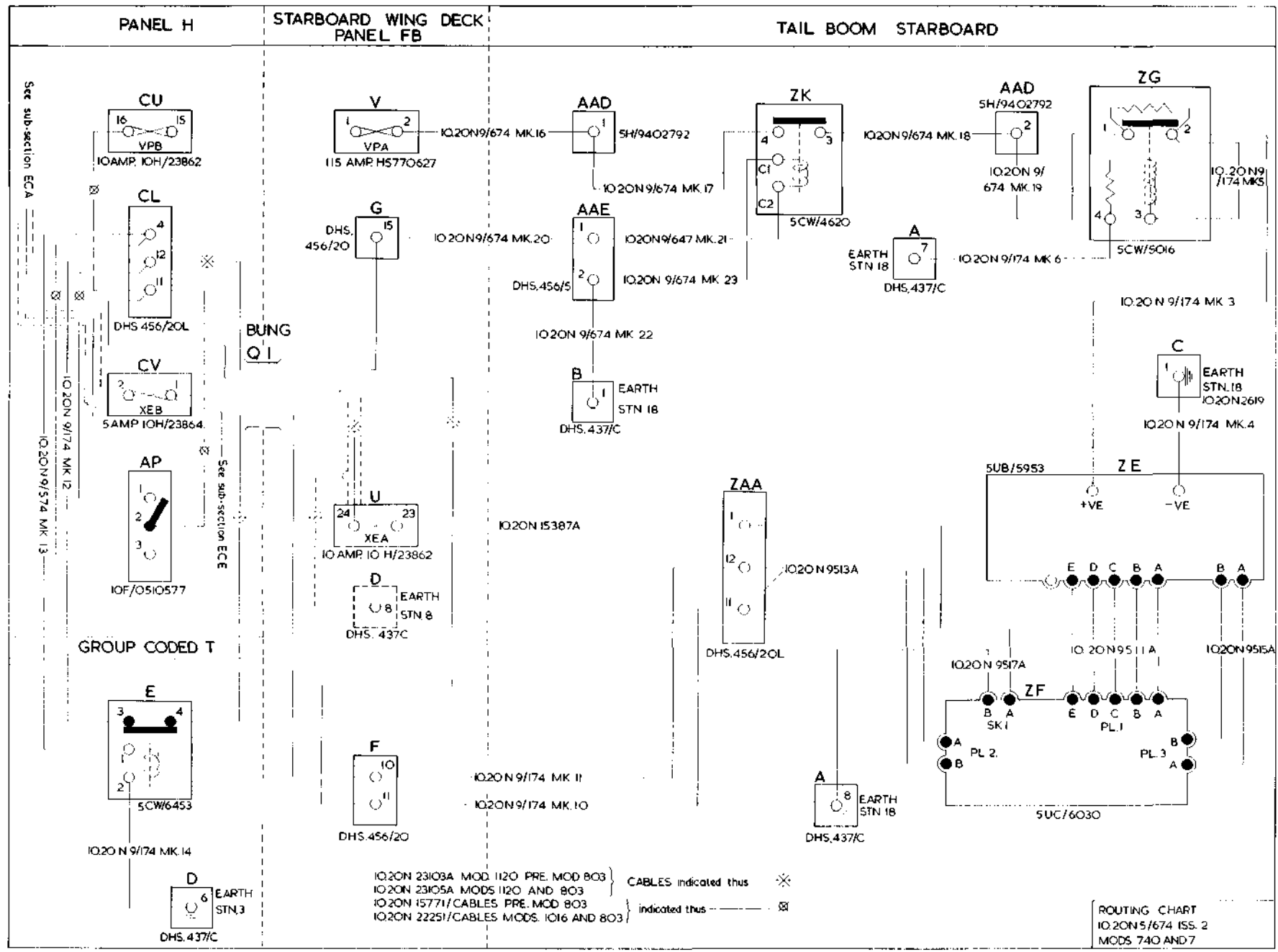
A.C. 115 V. 400 C.P.S. I.P.H. SUPPLY (108 INVERTER)

CODED VP, XE.

RESTRICTED

[AL 53]

RESTRICTED



ECF.1A [AL 53]

ELECTRICAL INSTALLATION A.C. 115 V. 400 C.P.S. 1PH. SUPPLY 108 INVERTER CODED VP, XE.

RESTRICTED

ECF.1A

See sub-section ECA

See sub-section ECE

GROUP CODED T

IO20N 23103A MOD 1120 PRE. MOD 803 } CABLES indicated thus ⊗  
 IO20N 23105A MODS 1120 AND 803 }  
 IO20N 15771/CABLES PRE. MOD 803 } indicated thus ⊗  
 IO20N 22251/CABLES MODS. 1016 AND 803 }

ROUTING CHART  
 IO20N 5/674 ISS. 2  
 MODS 740 AND 7

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