

SHACKLETON Mk. 2

SERVICES

AIR SPEED INDICATOR

AIR MILEAGE, AND VELOCITY GRAVITY RECORDER

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6A/2176	—	<b>AIR SPEED INDICATOR SYSTEM (S1823)</b> Spares for :— <b>Head, pressure, Mk. 8M on outer mainplane between ribs 20-21, port and starboard</b>				2	—	A	64/1
6218	1S1959	<b>MOUNTING, PRESSURE HEAD, ON BOTTOM SKIN, OUTER MAINPLANE, PORT AND STARBOARD, GROUP (Pre-Mod. 668)</b>				2	—	C	
28D/11564	AS.1246/1C	Consisting of :— <b>Bolt, rd.hd, 2 BA attachment of pressure head bracket</b>				5	—	C	
3823	4S1959	<b>BRACKET SUPPORT PRESSURE HEAD, GROUP</b>				1	—	C	64/2
	2S1959	Consisting of :— <b>Bracket</b> ... ..				1	DTD213	C	
3822	3S1959	<b>FLANGE, TOP, GROUP</b> ... ..				1	—	C	
28Q10676	AS2228/304	Spares for :— <b>Rivet, <math>\frac{3}{32}</math>" dia. x <math>\frac{1}{4}</math>" long</b> ... ..				40	—	C	
743	9S1560	<b>BRACKET, PRESSURE HEAD, BOTTOM, GROUP</b>				1	—	C	64/3
28D/12568	A25/22C	Consisting of :— <b>Bolt, hex.hd, 2 BA x 2.2", plain</b> ...				1	—	C	
6208	10.S.1560	<b>Bracket, pressure head</b> ... ..				1	DTD59B	C	
3951	11.S.1560	<b>Cover</b> ... ..				1	DTD59B	C	64/4
28M/10288	AGS2001/C/1	<b>Nut, stiff, 2 BA</b> ... ..				1	—	C	
28N/11957	AGS2007/C/1	<b>Nut, stiff, anchor, 2 BA</b> ... ..				5	—	C	
3952	12.S.1560	<b>Pin, dowel</b> ... ..				2	S1	C	64/122
28Q/6665	AS2227/305	<b>Rivet, snap hd, <math>\frac{3}{32}</math>" dia. x <math>\frac{5}{16}</math>" long</b> ...				10	—	C	
6685	5S1959	<b>MOUNTING, PRESSURE HEAD SKIN, OUTER MAINPLANE, BETWEEN RIBS 20-21, PORT AND STARBOARD, GROUP (Mod. 668)</b>				1	—	C	
28D/11564	AS1246/1C	Consisting of :— <b>Bolt, rd.hd, 2 BA, attachment of pressure head bracket</b>				5	—	C	
6659	6S1959	<b>BRACKET, SUPPORT, PRESSURE HEAD, GROUP</b>				1	—	C	64/2
	8S1959	Consisting of :— <b>Bracket</b> ... ..				1	L59	C	
6660	7S1959	<b>FLANGE, TOP, GROUP</b> ... ..				1	—	C	
28Q10777	AS2228/407	Spares for :— <b>Rivet, <math>\frac{1}{8}</math>" dia. x <math>\frac{7}{16}</math>" long</b> ... ..				36	—	C	
743	9S1560	<b>BRACKET, PRESSURE HEAD, BOTTOM, GROUP</b> (For Breakdown, see 1S1959)						C	64/3

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		1	2	3	4			M.R.	
<b>MOUNTING AND CONNECTIONS FOR AIR MILEAGE UNIT IN FUSELAGE FRONT CENTRE PORTION BETWEEN FORMERS 3-4 (Z6241)</b>									
Spares for :—									
6B/265	—	Drive, flexible	...	...	...	1	—	A	64/5
	6.Z.2189	Pipe, vent, inlet	...	...	...	1	S3 & T45		64/6
	38.Z.2178	Pipe vent, outlet	...	...	...	1	S3 & T45		64/7
<b>PIPE, OUTLET, GROUP (2Z6241)</b>									
Spares for :—									
26DC/5456	9SS2819	Clip, pipe to P.R. hose	...	...	...	3	—	C	64/8
	14SS1973	Clip, pipe to P.R. hose	...	...	...	2	—		64/9
	2SS3531	Clip, pipe to P.R. hose	...	...	...	8	—		64/10
	3Z6241	Hose, P.R. $\frac{3}{4}$ " i/d x 7" long	...	...	...	1	—		64/11
	5Z6241	Hose, P.R. $\frac{3}{4}$ " i/d x 26" long	...	...	...	1	BSS6F7		64/12
	13Z6241	Hose, P.R. $\frac{3}{4}$ " i/d x 2 $\frac{1}{4}$ " long	...	...	...	1	BSS6F7		64/13
	14Z6241	Hose, P.R. $\frac{3}{4}$ " i/d x 1 $\frac{1}{2}$ " long	...	...	...	1	BSS6F7		64/14
	15Z6241	Pipe, $\frac{3}{4}$ " o/d x 20G x 15" long	...	...	...	1	L56		64/15
	6Z4711	Pipe, elbow, drain	...	...	...	1	S3 & T45		64/16
	10Z6241	Tee-piece	...	...	...	1	DTD563		64/17
	7Z6241	<b>PIPE, INLET, GROUP</b>	...	...	...	1	—		
Consisting of:—									
5CY/2866 5CY/2682 6B/294 6B/249	2SS3531	Clip	...	...	...	2	—	C	64/10
	11Z6241	Hose, P.R. $\frac{3}{4}$ " i/d x 17" long	...	...	...	1	BSS6F7		64/18
	12Z6241	Lagging, felt, $\frac{1}{8}$ " x 4" x 2' 0"	...	...	...	1	Felt		64/19
—	—	Suppressor, type B. No. 4	...	...	...	1	—	A	64/20
—	—	Suppressor, type F. No. 2	...	...	...	1	—	A	64/21
—	—	Transmitter, Mk. 1	...	...	...	1	—	A	64/22
—	—	Unit, air mileage, Mk. 1	...	...	...	1	—	A	64/23

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		1	2	3	4			M.R.	
		<b>MOUNTING, V.G. RECORDER ON AFT FACE OF FRONT SPAR WEB, CENTRE PORTION FUSELAGE (Q1625)</b>							
		Spares for :—							
2233	2Q1426	<b>Bracket, V.G. Recorder</b> ... ..				1	—	C	64/24
	180a.P.2190	<b>Bracket, Vickers cock</b> ... ..				1	—		64/25
	Vickers								
1574	D.1885	<b>Cock, 4-way</b> ... ..				1	—	A	64/26
2231	2Q1625	<b>Pipe, flexible,</b> $\frac{3}{8}$ " o/d x $\frac{1}{4}$ " i/d ... ..				1	DTD373	C	64/27
2232	3Q1625	<b>Pipe, flexible,</b> $\frac{3}{8}$ " o/d x $\frac{1}{8}$ " i/d ... ..				1	DTD373	C	64/28
106G/11	—	<b>Recorder, V.G. (Service Fit)</b> ... ..				1	—	A	64/29
	13S1818	<b>Pipe, A.S.I. rate of climb, aft of blind flying panel, port,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/30
	14S1818	<b>Pipe, A.S.I. aft of blind flying panel, port,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/31
	15S1818	<b>Pipe, A.S.I. aft of blind flying panel, port,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/32
	16S1818	<b>Pipe, static altimeter, aft of blind flying panel, port,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/33
	3S1816	<b>Pipe, A.S.I. rate of climb, aft of blind flying panel, starboard,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/34
	4S1816	<b>Pipe, A.S.I. aft of blind flying panel, starboard</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/35
	5S1816	<b>Pipe, A.S.I. aft of blind flying panel, starboard,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/36
	6S1816	<b>Pipe, static altimeter aft of blind flying panel, starboard,</b> $\frac{5}{16}$ " o/d x 20G				1	T9		64/37
	12S1816	<b>Pipe, A.S.I. flexible aft of blind flying panel, port and starboard,</b> $\frac{1}{4}$ " bore x 24" long				4	DTD251/D		64/38
	4S1823	<b>Pipe, from flexible tube aft of blind panel to coupling in nose starboard,</b> $\frac{5}{16}$ " o/d x 22G x 58" long				1	L54		64/39
	5S1823	<b>Pipe, from flexible tube, aft of blind flying panel, to coupling in nose, starboard</b> $\frac{5}{16}$ " o/d x 22 G x 55" long				1	L54		64/40
	44S1823	<b>Pipe, from flexible tube, aft of blind flying panel, to coupling in nose, port,</b> $\frac{5}{16}$ " o/d x 22G x 19" long				1	L54		64/41
	43S1823	<b>Pipe, from flexible tube, aft of blind flying panel, to coupling in nose, port,</b> $\frac{5}{16}$ " o/d x 22g x 17" long				1	L54		64/42
	40S1823	<b>Pipe, coupling to coupling, in nose starboard,</b> $\frac{5}{16}$ " o/d 22G x 41" long				1	L54		64/43
	41S1823	<b>Pipe, coupling to coupling in nose starboard,</b> $\frac{5}{16}$ " o/d x 22G x 48" long				1	L54		64/44
	36S1823	<b>Pipe, elbow to coupling in nose port,</b> $\frac{5}{16}$ " o/d x 22G x 54" long				1	L54		64/45
4681	152S1823	<b>Pipe (swaged) to A.S.I. contact switch</b> $\frac{3}{16}$ " i/d x $\frac{5}{16}$ " o/d x 6" long				1	L54	C	64/46
	153S1823	<b>Pipe, A.S.I. to contact switch</b> $\frac{3}{16}$ " i/d x $\frac{5}{16}$ " o/d x 4" long				1	L54		64/47

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	37S1823	Pipe, elbow to coupling in nose port, $\frac{5}{16}$ " o/d x 22G x 55" long				1	L54		64/48
	12S1823	Pipe, coupling to elbow in nose starboard, $\frac{5}{16}$ " o/d x 22G x 31" long				1	L54		64/49
	13S1823	Pipe, coupling to elbow in nose starboard, $\frac{5}{16}$ " o/d x 22G x 31" long				1	L54		64/50
	97S1580	Pipe, Tee-piece to coupling below floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 47" long				1	L54		64/51
	98S1580	Pipe, Tee-piece to coupling below floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 51" long				1	L54		64/52
14152	164S1580	Pipe, Tee-piece to tee-piece, below floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G (Mod. 850)				1	L54	C	64/53
	95S1580	Pipe, tee-piece to tee-piece, below floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 37" long				1	L54		64/54
14149	161S1580	Pipe, tee-piece to coupling, below floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G (Mod. 850)				1	L54	C	64/55
	23S1823	Pipe, elbow to tee-piece, below floor in front centre portion port, $\frac{5}{16}$ " o/d x 22G x 95" long				1	L54		64/56
	26S1823	Pipe, elbow to tee-piece, below floor in front centre portion port, $\frac{5}{16}$ " o/d x 22G x 97" long				1	L54		64/57
	25S1823	Pipe, tee-piece to tee-piece, below floor in front centre portion port, $\frac{5}{16}$ " o/d x 22G x 46" long				1	L54		64/58
	28S1823	Pipe, tee-piece to coupling, below floor in front centre portion port, $\frac{5}{16}$ " o/d x 22G x 56" long				1	L54		64/59
	14S1823	Pipe, tee-piece to coupling, above floor in front centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 25" long				1	L54		64/60
	16S1823	Pipe, coupling to contacting A.S.I. at former No. 1 front centre portion, $\frac{5}{16}$ " o/d x 22G x 19" long				1	L54		64/61
	20S1823	Pipe, tee-piece to coupling, below floor front centre portion $\frac{5}{16}$ " o/d x 22G x 48" long				1	L54		64/62
	21S1823	Pipe, coupling to elbow, below floor in front centre portion $\frac{5}{16}$ " o/d x 22G x 49" long				1	L54		64/63
	22S1823	Pipe, elbow to elbow, above floor, front centre portion, $\frac{5}{16}$ " o/d x 22G x 26" long				1	L54		64/64
14150	162S1580	Pipe, tee-piece to union at front spar, starboard, $\frac{5}{16}$ " o/d x 22G (Mod. 850)				1	L54	C	
14151	163S1580	Pipe, tee-piece to tee-piece at front spar, starboard, $\frac{5}{16}$ " o/d x 22G (Mod. 850)				1	L54	C	
14153	165S1580	Pipe, tee-piece to flexible pipe at air speed switch, $\frac{5}{16}$ " o/d x 22G (Mod. 850)				2	L54	C	
14154	166S1580	Pipe, flexible, at air speed switch (Mod. 850)				2	—	C	

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		1	2	3	4			M.R.	
	128S1580	Pipe, elbow to flexible pipe at altimeter, between formers 3 & 4 in front centre portion, $\frac{5}{16}$ " o/d x 22G x 42" long				1	L54		64/65
	162S1823	Pipe, flexible pipe to A.S.I. and altimeter in front centre portion, $\frac{5}{16}$ " o/d x 22G x 3" long				2	L54		64/66
	160S1823	Pipe, altimeter to A.S.I. between formers 3 & 4 front centre portion, $\frac{5}{16}$ " o/d x 22G x 9" long				1	L54		64/67
32C/472	151S1823	Pipe, flexible braided rubber to altimeter $\frac{1}{4}$ " i/d x $\frac{1}{2}$ " o/d x 12" long				1	DTD251D		64/68
32C/472	150S1823	Pipe, flexible, braided rubber, to A.S.I., $\frac{1}{4}$ " i/d x $\frac{1}{2}$ " o/d x 17" long				1	DTD251D		64/69
	129S1580	Pipe, tee-piece to flexible pipe at A.S.I. between formers 3 & 4 front centre portion, $\frac{5}{16}$ " o/d x 22G x 33" long				1	L54		64/70
	126S1580	Pipe, elbow to tee-piece, between formers 3 & 4, front centre portion, $\frac{5}{16}$ " o/d x 22G x 11" long				1	L54		64/71
	24S1823	Pipe, tee-piece to elbow below floor in front centre portion, $\frac{5}{16}$ " o/d x 22G x 25" long				1	L54		64/72
	127S1580	Pipe, tee-piece to flexible pipe at A.M.U. between formers 3-4 in front centre portion, $\frac{5}{16}$ " o/d x 22G x 15" long				1	L54		64/73
	125S1580	Pipe, elbow to flexible pipe at A.M.U. between formers 3-4 in front centre portion, $\frac{5}{16}$ " o/d x 22G x 20" long				1	L54		64/74
	27S1823	Pipe, tee-piece to elbow above floor, between formers 2-3, front centre portion, $\frac{5}{16}$ " o/d x 22G x 25" long				1	L54		64/75
	29S1823	Pipe, tee-piece to coupling, wing root, starboard, between formers 5-6, $\frac{5}{16}$ " o/d x 22G x 34" long				1	L54		64/76
	118S1580	Pipe, tee-piece to coupling, wing root, port, between formers 5-6, $\frac{5}{16}$ " o/d x 22G x 36" long				1	L54		64/77
	67S1580	Pipe, drain, from tee-piece to atmosphere between formers 5-6, port, $\frac{5}{16}$ " o/d x 22G x 7" long				1	L54		64/78
	12S1580	Pipe, tee-piece to coupling, below floor, in centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 78" long				1	L54		64/79
	31S1823	Pipe, tee-piece to tee-piece, below floor in centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 34" long				1	L54		64/80
	157S1823	Pipe, elbow to flexible pipe at zero reader computer				1	L54		
	161S1823	Pipe, elbow to tee-piece in line from zero reader computer to A.M.U.				1	L54		
	12T4256	Pipe, zero reader computer to flexible pipe ...				1	L56		

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	67S1580	Pipe, drain, tee-piece to atmosphere below floor in centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 7" long				1	L54		64/82
	32S1823	Pipe, coupling to tee-piece, below floor in centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 28" long				1	L54		64/83
	33S1823	Pipe, tee-piece to coupling, below floor, centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 19" long				1	L54		64/84
	34S1823	Pipe, tee-piece to coupling, below floor, centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 15" long				1	L54		64/85
	120S1580	Pipe, static, coupling to coupling above floor, centre portion, $\frac{5}{16}$ " o/d x 22G x 38" long				1	L54		64/86
	121S1580	Pipe, pressure, coupling to coupling above floor, centre portion, $\frac{5}{16}$ " o/d x 22G x 35" long				1	L54		64/87
	112S1580	PIPE, STATIC, COUPLING TO COUPLING (ONE END PLAIN), ABOVE FLOOR, CENTRE PORTION, $\frac{5}{16}$ " o/d x 22G x 55" LONG, GROUP				1	L54		64/88
	113S1580	PIPE, PRESSURE, COUPLING TO COUPLING (ONE END PLAIN), ABOVE FLOOR IN CENTRE PORTION, $\frac{5}{16}$ " o/d x 22G x 59" LONG, GROUP				1	L54		64/89
1753	110S1580	PIPE, STATIC, COUPLING TO VICKERS COCK, AFT OF FRONT SPAR, CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 18" LONG, GROUP				1	L54	C	64/90
	111S1580	PIPE, COUPLING TO VICKERS COCK, AFT OF FRONT SPAR, CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 17" LONG, GROUP				1	L54		64/91
	30S1823	Pipe, coupling to coupling, below floor, centre portion, port, $\frac{5}{16}$ " o/d x 22G x 93" long				1	L54		64/92
	31S1580	Pipe, coupling to coupling, along front spar, centre portion, port, $\frac{5}{16}$ " o/d x 22G x 81" long				1	L54		64/93
	13S1580	Pipe, coupling to coupling, along front spar, centre portion, starboard, $\frac{5}{16}$ " o/d x 22G x 87" long				1	L54		64/94
	22S1580	Pipe, coupling to coupling along front spar, inboard engine nacelle port, $\frac{5}{16}$ " o/d x 22G				1	L54		64/95
	14S1580	Pipe, coupling to coupling, along front spar, inboard engine nacelle starboard, $\frac{5}{16}$ " o/d x 22G x 75" long				1	L54		64/96

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	23S1580	Pipe, coupling to coupling, along front spar, inner mainplane, port, $\frac{5}{16}$ " o/d x 22G x 102" long				1	L54		64/97
	15S1580	Pipe, coupling to coupling, along front spar, inner mainplane, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/98
	24S1580	Pipe, coupling to coupling, along front spar, outboard engine nacelle, port, $\frac{5}{16}$ " o/d x 22G				1	L54		64/99
	16S1580	Pipe, coupling to coupling, along front spar, outboard engine nacelle, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/100
5352	74S1580	Pipe, coupling to coupling, along front spar, inner mainplane, port, $\frac{5}{16}$ " o/d x 22G x 91" long				1	L54	C	64/101
5353	75S1580	Pipe, coupling to coupling, along front spar, inner mainplane, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54	C	64/102
5351	25S1580	Pipe, coupling to coupling, along front spar, inner mainplane, between nose ribs 13-17B, port, $\frac{5}{16}$ " o/d x 22G				1	L54	C	64/103
	17S1580	Pipe, coupling to coupling, along front spar, inner mainplane, between nose ribs 13-17B, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/104
	26S1580	Pipe, coupling to coupling, along mainplane rib No. 18, port, $\frac{5}{16}$ " o/d x 22G				1	L54		64/105
5435	18S1580	Pipe, coupling to coupling, along mainplane rib No. 18, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54	C	64/106
	76S1580	Pipe, tee-piece to pressure head, in outer mainplane, port, $\frac{5}{16}$ " o/d x 22G				1	L54		64/107
	77S1580	Pipe, tee-piece to pressure head, outer mainplane, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/108
3824	10S1310	Pipe, drain, $\frac{5}{16}$ " o/d x 22G x 4" long ... ..				5	L56	C	64/109
	146S1580	Pipe, coupling to coupling in rear centre portion starboard, $\frac{5}{16}$ " o/d x 22G x 131" long				1	L54		64/110
	155S1823	Pipe, coupling to tee-piece in rear centre portion, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/111
	154S1823	Pipe, static vent, tee-piece to joint elbow, rear centre portion, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/112
	156S1823	Pipe, static vent, elbow to elbow, rear centre portion, starboard, $\frac{5}{16}$ " o/d x 22G				1	L54		64/113
	44S1580	Pipe, coupling to coupling, rear centre portion, port, $\frac{5}{16}$ " o/d x 22G x 149" long				1	L54		64/114

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	35S1823	Pipe, coupling to coupling, rear centre portion, port, $\frac{5}{8}$ " o/d x 22G x 34" long				1	L54		64/115
	42S1823	Pipe, coupling to coupling, rear centre portion, port, $\frac{5}{8}$ " o/d x 22G x 28" long				1	L54		64/116
	45S1823	Pipe, coupling to tee-piece, rear centre portion port, $\frac{5}{8}$ " o/d x 22G x 24" long				1	L54		64/117
	14S1580	Pipe, static vent, tee-piece to coupling, rear centre portion, port, $\frac{5}{8}$ " o/d x 22G x 29" long				1	L54		64/118
	149S1580	Pipe, static vent, coupling to joint elbow, rear centre portion, port, $\frac{5}{8}$ " o/d x 22G x 24" long				1	L54		64/119
6A/1820	—	Plate, stiffening, static vent, between formers 23-24, starboard and 30-31, port				2	—	A	64/120
6A/1686	—	Vent, static, between formers 23-24, starboard and 30-31, port				2	—	A	64/121

SHACKLETON Mk 2

SERVICES

AIR SPEED INDICATOR

AIR MILEAGE, AND VELOCITY GRAVITY RECORDER

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<p><b>COMPLEMENTARY ITEMS ATTACHMENT FITTINGS FOR MOUNTING PRESSURE HEAD TO OUTER MAINPLANE, PORT AND STARBOARD</b></p>									
28D/9563	AS1885/2B	Bolt, mush.hd, 2 BA, x .55" long for attachment of mounting bracket to mounting plate on bottom surface outer mainplane				18	—	C	1/87
28S/3421	AGS249/9	Screw, csk.hd, 6 BA x 1/4" long, attachment of pressure head to mounting bracket				6	—	C	
<p><b>SUMMARY OF STOCK ITEMS USED ON HYDRAULIC SERVICES</b></p>									
28V/5107	AGS838/3	Elbow, union ... ..				10	—	C	
28V/5108	AGS838/4	Nut, union ... ..				143	—	C	
28V/5109	AGS838/5	Ring, rubber ... ..				143	—	C	
28V/5105	AGS838/2	Tee-piece ... ..				16	—	C	
28V/5104	AGS838/1	Union, straight ... ..				40	—	C	
28F/10525	AGS1107/C	Union, reducing, 5/16" x 1/4" ... ..				2	—	C	





STATE NO. 1  
DATE NOV 1964

STUDIED



SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>DE-ICING ASSEMBLIES</b>									
Spares for :—									
<b>DE-ICING PROPELLOR (Q1389)</b>									
Spares for :—									
5318	28SS3553	<b>Adaptor, bulkhead to filter and pump ...</b>				3	—	C	65/1
1990	1SS3552	<b>Adaptor, bulkhead, <math>\frac{3}{16}</math>" ...</b>				1	—	C	65/2
	4SS3552	<b>Adaptor, bulkhead, <math>\frac{3}{16}</math>" ...</b>				4	—	C	65/3
13061	ASS3451	<b>Adaptor, for de-icing pipes ...</b>				4	—	C	65/4
1991	3Z3463	<b>Bracket, mounting, de-icing pump, LH ...</b>				1	DTD281	C	65/5
1992	4Z3463	<b>Bracket, mounting, de-icing pump, RH ...</b>				1	DTD281	C	65/6
27F	VICKERS A254	<b>Cock, 2 way ...</b>				1	—	A	65/7
5UE/2571	TKS W26310	<b>Filter, type "1" ...</b>				1	—	A	65/8
<b>MOUNTING, DE-ICING TANK, STARBOARD INBOARD NACELLE (Q1378)</b>									
Spares for :—									
912	2Z4077	<b>STRAP, TANK, TOP, GROUP ...</b>				2	—	C	65/9
Consisting of :—									
28D/12512	A25/1C	<b>Bolt, hex.hd, 2 BA x 0.55" long ...</b>				2	—	C	
2234	7SS1944	<b>Crosshead, RH... ...</b>				1	—	C	65/10
1983	5bP1941	<b>End fitting strap ...</b>				1	S3	C	65/11
1984	SS1873	<b>End fitting strap ...</b>				1	S3	C	65/12
28M/5316	A16Y/CP	<b>Nut, 2 BA ...</b>				2	—	C	
28Q/1931	AS455/504	<b>Rivet, snap hd, <math>\frac{3}{32}</math>" dia. x <math>\frac{1}{4}</math>" long ...</b>				8	—	C	
1985	2aZ4077	<b>Strap ...</b>				1	Spring Steel	C	65/13
913	3Z4077	<b>STRAP, TANK BOTTOM, GROUP</b>				2	—	C	65/14
Consisting of :—									
1986	8SS1944	<b>Crosshead, LH ...</b>				1	—	C	65/15
1987	25bP2157	<b>End fitting strap ...</b>				1	S3	C	65/16
1984	SS1873	<b>End fitting strap ...</b>				1	S3	C	65/12
28Q/1931	AS455/504	<b>Rivet, snap hd, <math>\frac{3}{32}</math>" dia. x <math>\frac{1}{4}</math>" long ...</b>				10	—	C	
	3aZ4077	<b>Strap, ...</b>				1	Spring Steel		65/17
911	1Z4075	<b>TANK DE-ICING, GROUP ...</b>				1	—	A	65/18
(See Tanks)									
1988	12P2157	<b>Tube, support, tank ...</b>				1	TH	C	65/19
1989	24P2157	<b>Tube, strap, anchorage ...</b>				2	T35	C	65/20
13153	2SS1945	<b>Turnbuckle, adjusting straps ...</b>				2	—	C	65/21
	82Q1389	<b>PIPE, ADAPTOR TO ADAPTOR, 22G x <math>\frac{3}{8}</math>" o/d, GROUP</b>				1	DTD323A		65/22
	83Q1389	<b>PIPE, ADAPTOR TO ADAPTOR, 22G x <math>\frac{3}{8}</math>" o/d, GROUP</b>				1	DTD323A		65/23
7378	167Z5069	<b>PIPE, BANJO TO FILTER, 20G x <math>\frac{3}{4}</math>" o/d GROUP</b>				1	DTD323A	C	64/24

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING PROPELLOR (Q1389) (Cont'd)</b>							
	79Q1389	PIPE, BULKHEAD ADAPTOR TO ATMOSPHERE, 22G x $\frac{3}{16}$ " o/d (ONE END TO BE LEFT PLAIN), GROUP				1	DTD323A		65/25
	64Q1389	PIPE, BULKHEAD ADAPTOR TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/26
7918	68Q1389	PIPE, BULKHEAD ADAPTOR TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A	C	65/27
	71Q1389	PIPE, BULKHEAD ADAPTOR TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/28
	31Q1389	PIPE, FILTER TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 548)				1	L56		65/29
	87Q1389	PIPE, FILTER TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)				1	DTD323A		
906	11Z3045	PIPE, FLEXIBLE FILTER TO ADAPTOR, GROUP				1	—	A	65/30
907	10Q1392	PIPE, FLEXIBLE TANK TO BULKHEAD ADAPTOR, GROUP				1	—	A	65/31
	63Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/32
	67Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/33
	70Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/34
	72Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/35
	71Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/36
	78Q1389	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/37
	62Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/38
	65Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/39
	66Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/40
	69Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		65/41
	73Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d GROUP (Pre Mod. 768)				1	DTD323A		65/42
	75Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/43

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## SERVICES

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## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING PROPELLOR (Q1389) (Cont'd)</b>							
	76Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/44
	77Q1389	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A		65/45
5834	11Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{16}$ " o/d (ONE END TO BE LEFT PLAIN) GROUP (Pre Mod. 548)				1	L56	C	65/46
	60Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR, 22G x $\frac{3}{16}$ " o/d (ONE TO BE LEFT PLAIN) GROUP (Mod. 548)				1	DTD323		
5840	19Q1389	PIPE PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d (GROUP) (Pre Mod. 548)				1	L56	C	65/47
	84Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d GROUP (Mod. 548) (Pre Mod. 768)				1	DTD323A		
5843	24Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d GROUP (Pre Mod. 548)				1	—	C	65/48
	85Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548) (Pre Mod. 768)				1	DTD323A		
5846	32Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 548)				1	—	C	65/49
	87Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548) (Pre Mod. 768)				1	DTD323A		
5847	33Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	—	C	65/50
	52Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d GROUP (Mod. 548)				1	DTD323		
5849	36Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	—	C	65/51
	53Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5850	37Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	—	C	65/52

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING PROPELLOR (Q1389) (Cont'd)</b>							
	54Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5851	38Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	L56	C	65/53
	55Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5852	39Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	L56	C	65/54
	56Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5853	40Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	L56	C	65/55
	57Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5854	41Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 548)				1	L56	C	65/56
	58Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
5855	42Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Pre Mod. 548)				1	L56	C	65/57
	59Q1389	PIPE, PUMP TO TEE, 22G x $\frac{3}{8}$ " o/d (ONE END TO BE BELLED), GROUP (Mod. 548)				1	DTD323		
7917	61Q1389	PIPE, VALANCE TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A	C	65/58
7919	80Q1389	PIPE, VALANCE TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A	C	65/59
7920	81Q1389	PIPE, VALANCE TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 768)				1	DTD323A	C	65/60
	221Z5069	PIPE, VENT FROM TANK, GROUP				1	DTD323A		65/61

SHACKLETON Mk. 2

SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>DE-ICING, PROPELLOR (Q1389) (Cont'd)</b>									
	88Q1389	PIPE, TEE-PIECE TO TEE-PIECE, BEHIND ENGINE BULKHEAD, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	89Q1389	PIPE, TEE-PIECE TO TEE-PIECE, BEHIND ENGINE BULKHEAD, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	90Q1389	PIPE, TEE-PIECE TO TEE-PIECE, BEHIND ENGINE BULKHEAD, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	91Q1389	PIPE, TEE-PIECE TO TEE-PIECE, BEHIND ENGINE BULKHEAD, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	92Q1389	PIPE, TEE-PIECE TO BULKHEAD ADAPTOR, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	93Q1389	PIPE, TEE-PIECE TO BULKHEAD ADAPTOR, STARBOARD, GROUP (Mod. 768)				1	DTD323		
	94Q1389	PIPE, UNION TO BULKHEAD ADAPTOR, PORT, GROUP (Mod. 768)				1	DTD323		
	95Q1389	PIPE, UNION TO BULKHEAD ADAPTOR, PORT, GROUP (Mod. 768)				1	DTD323		
	96Q1389	PIPE, UNION TO UNION AT FRONT SPAR, PORT, GROUP (Mod. 768)				1	DTD323		
	97Q1389	PIPE, UNION TO UNION AT FRONT SPAR, PORT, GROUP (Mod. 768)				1	DTD323		
	T.K.S. 28000/6	Pump, c/w motor ... ..				1	—	A	65/62
	—	Suppressor, for pump ... ..				1	—	A	65/63

SUE/4946  
SCY/2866



SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>DE-ICING, VISION, PILOT AND BOMB AIMER (Q1693)</b>									
Spares for :—									
5521	6Q1734	Adaptor ... ..				1	—	C	65/64
3775	SS3825	Adaptor ( $\frac{1}{4}$ " x $\frac{3}{16}$ " reduction) ... ..				1	—	C	65/65
4344	10Q1493	Adaptor, nozzle spray ... ..				1	—	C	65/66
27U/277	—	Filter, vokes ... ..				1	—	A	65/67
<b>MOUNTING FOR DE-ICING TANK IN NOSE COMPLETE (Q1716)</b>									
Spares for :—									
4424	6Q1716	<b>MOUNTING, COMPLETE WITH STRAPS</b>				1	—	C	65/68
Spares for :—									
	3Q1716	<b>STRAP, TANK, GROUP</b>				3	—		65/69
Consisting of :—									
	6SS1944	Crosshead, LH ... ..				3	S1		65/70
	1SS1948	End, fitting strap ... ..				3	S3		65/71
27Q/6638	AS2227/404	Rivet, snap hd, $\frac{1}{8}$ " dia. ... ..				15	DTD327	C	65/72
	3aQ1716	Strap, ... ..				3	DTD187		65/72
	3bQ1716	Strip, packing ... ..				3	Rubber		65/73
4423	4Q1716	<b>STRAP, TANK, GROUP</b> ... ..				1	—	C	65/74
Consisting of :—									
5503	5SS1944	Crosshead, RH ... ..				3	S1	C	65/75
	1SS1948	End, fitting strap ... ..				3	S3		65/71
	1SS1842	End, fitting strap ... ..				3	S3		65/76
	4bQ1716	Ring, $\frac{3}{16}$ " dia. ... ..				1	S1		
27Q/6638	AS2227/404	Rivet, snap hd, $\frac{1}{8}$ " dia. x $\frac{1}{4}$ " long				30	DTD327	C	
	4aQ1716	Strap ... ..				3	DTD187		65/77
	4cQ1716	Strip ... ..				3	Rubber		65/78
26DC/7009	1SS1945	Screw, adjusting ... ..				3	22	C	65/79
4416	1Q1717	<b>TANK, DE-ICING, GROUP</b> ... .. (See Tanks)				1	—	A	65/80
4346	4Q1734	Nozzle ... ..				4	—	C	65/81
26DC/9513	51SS3554	Piece, 4 way, $\frac{1}{4}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ " ... ..				1	DTD423	C	65/82
	45Q1693	<b>PIPE, BOMB AIMER'S VALVE TO TEE PIECE, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b>				1	DTD323A		65/83
	58Q1693	<b>PIPE, BULKHEAD UNION TO SPRINKLER, 22G x <math>\frac{3}{16}</math>" o/d, GROUP</b>				1	DTD323A		65/84
	57Q1693	<b>PIPE, BULKHEAD UNION TO CONE UNION, BODY, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b>				1	DTD323A		65/85
	46Q1693	<b>PIPE, CONE UNION BODY TO BOMB AIMER'S VALVE, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b>				1	DTD323A		65/86
	52Q1693	<b>PIPE, CONE UNION BODY TO CONE BODY, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b>				1	DTD323A		65/87
	55Q1693	<b>PIPE, CONE UNION BODY TO VALVE GUNNERS, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b>				1	DTD323A		65/88

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, VISION, PILOT AND BOMB AIMER (Q1693) (cont'd)</b>							
	56Q1693	PIPE, CONE UNION BODY TO VALVE PILOT'S, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/89
	43Q1693	PIPE, CONE UNION BODY TO TEE PIECE, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/90
	54Q1693	PIPE, COUPLING TO CONE ELBOW TO CONE UNION BODY, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/91
14366	67Q1693	PIPE, DE-ICING TANK TO UNION 22G x $\frac{1}{4}$ " o/d, GROUP (Mod. 771)				1	DTD323A	C	
14365	66Q1693	PIPE, DRAIN FOR DE-ICING TANK 22G x $\frac{1}{4}$ " o/d, GROUP (Mod. 771)				1	DTD323A	C	
	35Q1693	PIPE, FLEXIBLE ON TANK, $\frac{5}{16}$ " BORE x 2" LONG, GROUP				1	—		65/94
	64Q1693	PIPE, FLANGED BULKHEAD UNION BODY TO ELBOW AT NOZZLE 22G x $\frac{3}{16}$ " LONG, GROUP				1	DTD323A		65/95
	63Q1693	PIPE, FLANGED, BULKHEAD UNION BODY 22G x $\frac{3}{16}$ " LONG, GROUP				1	DTD323A		65/96
	50Q1693	PIPE, FOUR WAY PIECE TO ADAPTOR FOR NOZZLE, 22G x $\frac{3}{16}$ " o/d, GROUP				1	DTD323A		65/97
	49Q1693	PIPE, FOUR WAY PIECE TO FLANGED UNION BODY, 22G x $\frac{3}{16}$ " o/d, GROUP				2	DTD323A		65/98
	47Q1693	PIPE, GUNNER'S VALVE TO REDUCING COUPLING, 22G x $\frac{3}{16}$ " o/d GROUP				1	DTD323A		65/99
	48Q1693	PIPE, PILOT'S VALVE TO FOURWAY PIECE, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTDA323		65/100
	59Q1693	PIPE, REDUCING COUPLING TO NOZZLE ADAPTOR, 22G x $\frac{3}{16}$ " o/d, GROUP				1	DTD323A		65/101
	44Q1693	PIPE, TEE PIECE TO COUPLING CONE ELBOW, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/102
14369	70Q1693	PIPE, TEE PIECE TO ELBOW, 22G x $\frac{1}{4}$ " o/d, GROUP (Mod. 771)				1	DTD323A		
	51Q1693	PIPE, TEE PIECE TO CONE UNION BODY, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		65/104
14370	71Q1693	PIPE, TEE PIECE TO FILTER, 22G x $\frac{1}{4}$ " o/d, GROUP (Mod. 771)				1	DTD323A		
4959	1D9798	STRIP, DE-ICING, FOR BOMB AIMER'S WINDOW, GROUP				1	—	C	65/106
	DUNLOP ACO7472	Valve, de-icing ... ..				3	--	A	65/107

SHACKLETON Mk. 2

SERVICES  
DE-ICING

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, VISION, PILOT AND BOMB AIMER (Q1693) (Cont'd)</b>							
14364	65Q1693	PIPE, TANK TO FILTER, 22G x 1/4" o/d, GROUP (Mod. 771)				1	DTD323	C	
14367	68Q1693	PIPE, FLEXIBLE PIPE AT TANK TO ELBOW, 22G x 1/4" o/d, GROUP (Mod. 771)				1	DTD323	C	
14368	69Q1693	PIPE, UNION TO TEE PIECE AT DRAIN, 22G x 1/4" o/d, GROUP (Mod. 771)				1	DTD323	C	
	76Q1693	PIPE, UNION TO TEE PIECE IN LINE TO BOMB AIMER'S VALVE, 22G x 1/4" o/d, GROUP (Mod. 771)				1	DTD232		
14371	289Q1694	PIPE, AIR INLET, GROUP (Mod. 771)				1	DTD323	C	
4959	1D9798	STRIP, DE-ICING, BOMB AIMER'S WINDOW, GROUP				1	—	C	65/106
	DUNLOP ACO.7472	Valve, de-icing... ..				3	—	A	65/107



SHACKLETON Mk 2

SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
<b>DE-ICING, MAIN PLANE, TAIL PLANE, AND FIN (Z5069)</b>									
Spares for :—									
1990	1SS3552	<b>Adaptor</b> , bulkhead, $\frac{3}{16}$ " BSP ... ..				1	—	C	66/2
26EA/5252	4SS3552	<b>Adaptor</b> , bulkhead, $\frac{3}{16}$ " BSP ... ..				8	—	C	66/3
26FP/5318	28SS3553	<b>Adaptor</b> , bulkhead, $\frac{3}{4}$ " x $\frac{3}{4}$ " BSP ... ..				3	—	C	66/1
1991	3Z3463	<b>Bracket</b> , mounting, de-icing pump, LH ...				1	DTD281	C	66/5
1992	4Z3463	<b>Bracket</b> , mounting, de-icing pump, RH ...				1	DTD281	C	66/6
VICKERS									
27F/530	A254	<b>Cock</b> , 2 way ... ..				1	—	A	
	7/M/4	<b>Connector</b> , de-icing pipes ... ..				56	—	C	66/108
	T.K.S.								
5UE/2571	W26310	<b>Filter</b> , type "1" ... ..				1	—	A	66/8
719	1F6385	<b>Insert</b> , metal de-icing bottom between mainplane nose ribs 2A-6, port and starboard				4	—	C	66/109
270	2F6385	<b>Insert</b> , metal, de-icing, centre, between mainplane nose ribs 2A-6, port and starboard				2	—	C	66/110
1993	3F6385	<b>Insert</b> , metal, de-icing, top, between mainplane nose ribs 2A-6, port and starboard				2	—	C	66/111
721	4F5811	<b>Insert</b> , metal, de-icing, bottom and centre, between mainplane nose ribs 9-13, port and starboard				4	—	C	66/112
722	6F5811	<b>Insert</b> , metal, de-icing, between mainplane nose ribs 9-13, port and starboard				2	—	C	66/113
723	1F6513	<b>Insert</b> , metal, de-icing, bottom and centre, between mainplane nose ribs 13-15A, port and starboard				4	—	C	66/114
724	2F6513	<b>Insert</b> , metal, de-icing, top mainplane nose ribs 13-15A, port and starboard				2	—	C	66/115
725	3F5770	<b>Insert</b> , metal, de-icing, centre, between mainplane nose ribs 15B-18, port and starboard				2	—	C	66/116
726	4F5770	<b>Insert</b> , metal, de-icing, top, between mainplane nose ribs 15B-18, port and starboard				2	—	C	66/117
1463	14F7181	<b>Insert</b> , metal, de-icing, bottom, between mainplane nose ribs 15B-18, port and starboard				2	—	C	66/118
521	2F6315	<b>Insert</b> , metal, de-icing, bottom, between mainplane nose ribs 19-25, port and starboard				2	—	C	66/119
522	3F6315	<b>Insert</b> , metal, de-icing, top, between mainplane nose ribs, 19-25, port and starboard				2	—	C	66/120
523	3F5811	<b>Insert</b> , metal, de-icing, bottom, between mainplane nose ribs 26-30, port and starboard				2	—	C	66/121
524	5F5811	<b>Insert</b> , metal, de-icing, top, between mainplane nose ribs 26-30, port and starboard				2	—	C	66/122

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (cont'd)</b>									
525	4F5783	Insert,	metal de-icing between mainplane, nose ribs 31-36, port and starboard			2	—	C	66/123
756	3G2867	Insert,	metal, de-icing, inboard tailplane, port and starboard			2	—	C	66/124
757	4G2867	Insert,	metal, de-icing, outboard tailplane, port and starboard			2	—	C	66/125
559	47H2089	Insert,	metal, de-icing, top fin, port and starboard			2	—	C	66/126
560	48H2089	Insert,	metal, de-icing, bottom fin, port and starboard			2	—	C	66/127
3313	11F7182	Insert,	wood, in nose plates, ribs, 2A-6, port			1	DTD31	C	66/128
3315	13F7182	Insert,	wood, in nose plates, ribs 2A-6, starboard			1	DTD31	C	66/129
3314	12F7182	Insert,	wood, in nose plates, ribs 2A-6, port			1	DTD31	C	66/130
3316	14F7182	Insert,	wood, in nose plates, ribs 2A-6, starboard			1	DTD31	C	66/131
3317	19F7182	Insert,	wood, in nose plates, ribs 2A-6, port			1	DTD31	C	66/132
3318	20F7182	Insert,	wood, in nose plates, ribs 2A-6, starboard			1	DTD31	C	66/133
3319	5F7185	Insert,	wood, in nose plates, ribs 15B-18, port and starboard			2	DTD31	C	66/134
3320	6F7185	Insert,	wood, in nose plates, ribs 15B-18, port and starboard			2	DTD31	C	66/135
3321	5F7183	Insert,	wood, nose plates, ribs 9A-13, port and starboard			2	DTD31	C	66/136
3322	6F7183	Insert,	wood, nose plates, ribs 9A-13, port and starboard			2	DTD31	C	66/137
3324	19F7184	Insert,	wood, nose plates, ribs 13-15A, port and starboard			2	DTD31	C	66/138
3325	20F7184	Insert,	wood, nose plates, ribs 13-15A, port and starboard			2	DTD31	C	66/139
3326	6F7186	Insert,	wood, nose plates, ribs 19-25, port and starboard			2	DTD31	C	66/140
3327	17F7187	Insert,	wood, nose plates, ribs 26-30, port and starboard			2	DTD31	C	66/141
528	MESSIER 5/M/4	Nut,	connector, de-icing, pipes ... ..			106	—	C	66/142
529	MESSIER 4/M/4	Olive,	for de-icing pipes ... ..			106	—	C	66/143
6287	53Z5069	PIPE, ALONG INBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	L56	C	66/144
	164Z5069	PIPE, ALONG INBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, (MOD. 643)				1	—		
6289	59Z5069	PIPE, ALONG INBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	L56	C	66/145
	166Z5069	PIPE, ALONG INBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d (MOD. 643)				1	—		

SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (cont'd)</b>							
	165Z5069	PIPE, ALONG INBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/146
	170Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/147
	171Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT, TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/148
	172Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT, COUPLING TO COUPLING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/149
	173Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT, COUPLING TO COUPLING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/150
	174Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT, COUPLING TO COUPLING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/151
	175Z5069	PIPE, ALONG OUTBOARD VALANCE, PORT, COUPLING TO COUPLING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/152
	145Z5069	PIPE, ALONG TAILPLANE, PORT AND STARBOARD, 22G x $\frac{1}{4}$ " o/d, GROUP				2	DTD323A		66/153
	146Z5069	PIPE, ALONG TAILPLANE, PORT AND STARBOARD, 22G x $\frac{1}{4}$ " o/d, GROUP				2	DTD323A		66/154
	147Z5069	PIPE, ALONG TAILPLANE, PORT AND STARBOARD, 22G x $\frac{1}{4}$ " o/d, GROUP				2	DTD323A		66/155
	143Z5069	Pipe, branch to inserts, de-icing, 22G x $\frac{1}{4}$ " o/d (plain ends), port and starboard				2	DTD323A		66/156
	222Z5069	Pipe, branch to inserts, de-icing, port and starboard, 22G x $\frac{1}{4}$ " o/d, (plain ends)				4	DTD323A		66/157
	163Z5069	Pipe, branch to inserts, de-icing, outboard, port and starboard, 22G x $\frac{1}{4}$ " o/d, (plain ends)				4	DTD323A		66/158
	217Z5069	Pipe, branch to insert, de-icing, port, 22G x $\frac{3}{8}$ " o/d, (plain ends)				1	DTD323A		66/159
	218Z5069	Pipe, branch to insert, de-icing, port, 22G x $\frac{3}{8}$ " o/d, (plain ends)				1	DTD323A		66/160
	219Z5069	Pipe, branch to insert, de-icing, starboard, 1/2Med (plain ends), 22G x $\frac{3}{8}$ " o/d				1	DTD323A		66/161
	220Z5069	Pipe, branch to insert, de-icing, starboard, 1/2Med (plain ends), 22G x $\frac{3}{8}$ " o/d				1	DTD323A		66/162
	225Z5069	Pipe, branch to insert port ... ..				1	DTD323A		66/163
	228Z5069	Pipe, branch to insert starboard ... ..				1	DTD323A		66/164

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description	No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
					M.R.	
		1 2 3 4				
<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (cont'd)</b>						
	46Z6830	PIPE, BULKHEAD ADAPTOR TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP	1	DTD323A		66/165
	45Z6830	PIPE, BULKHEAD ADAPTOR TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP	1	DTD323A		66/166
6290	61Z5069	PIPE, CONNECTION TO PUMP O/B, PORT, 22G x $\frac{3}{8}$ " o/d (ONE END BELLED), GROUP (Pre Mod. 548)	1	L56	C	66/167
	205Z5069	PIPE WING CONNECTION TO STUB PIPE, O.B. PORT, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)	1	DTD323A		
	167Z5069	PIPE, FILTER TO COCK, 20G x $\frac{3}{4}$ " o/d, GROUP	1	DTD323A		66/24
	178Z5069	PIPE, FIN, PORT (PLAIN AT ONE END), 22G x $\frac{1}{4}$ " o/d, GROUP	1	DTD323A		66/168
1758	68Z5069	PIPE, FIN, CONNECTION TO PUMP, 22G x $\frac{3}{8}$ " o/d (BELLED AT ONE END), GROUP (Pre Mod. 548)	1	L56	C	66/169
	209Z5069	PIPE I/MTD CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)	1	DTD323A		
7971	168Z5069	PIPE, FIN, ELEMENT INTERCONNECTION (PLAIN ENDS), 22G x $\frac{1}{4}$ " o/d	2	DTD323A	C	66/170
7445	169Z5069	PIPE, FIN TOP INSERT TO TAIL PLANE, 22G x $\frac{1}{4}$ " o/d (PLAIN AT ONE END), STARBOARD GROUP	1	DTD323A	C	66/171
	144Z5069	PIPE, FIN TO TAILPLANE, 22G x $\frac{1}{4}$ " o/d, GROUP	2	DTD323A		66/172
	37Z6830	PIPE, INSERT TO JOINT, TAILPLANE, 22G x $\frac{1}{4}$ " o/d x 6' 6" LONG, GROUP	1	L56		66/173
6291	62Z5069	PIPE, 1/MED CONNECTION TO PUMP 22G x $\frac{1}{4}$ " o/d (ONE END BELLED) GROUP (Pre Mod. 548)	1	L56	C	66/174
	206Z5069	PIPE I/MTD CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)	1	DTD323A		
6294	69Z5069	PIPE, 1/B CONNECTION TO PUMP, 22G x $\frac{3}{8}$ " o/d (ONE END BELLED), GROUP (Pre Mod. 548)	1	L56	C	66/157
	210Z5069	PIPE OUTER CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)	1	DTD323A		
6292	63Z5069	PIPE, 1/N CONNECTION TO PUMP, 22G x $\frac{3}{8}$ " o/d (ONE END BELLED), GROUP (Pre Mod. 548)	1	L56	C	66/176
	207Z5069	PIPE 1/8 CONNECTION TO PUMP 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 584)	1	DTD323A		
6296	71Z5069	PIPE, 1/MED CONNECTION TO PUMP, 22G x $\frac{3}{8}$ " o/d (ONE END BELLED), GROUP (Pre Mod. 548)	1	L56	C	66/177
	212Z5069	PIPE FIN CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)	1	DTD323A		
	150Z5069	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP	1	DTD323A		66/178
7929	154Z5069	PIPE, JOINT TO BULKHEAD ADAPTOR, 22G x $\frac{3}{8}$ " o/d, GROUP	1	DTD323A	C	66/179
	40Z/6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP	1	DTD323A		66/180

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## SERVICES

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## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (cont'd)</b>							
	149Z5069	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/181
	39Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/182
	153Z5069	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/183
	43Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/184
	44Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/185
	183Z5069	PIPE, JOINT TO JOINT IN WING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A	C	66/186
	184Z5069	PIPE, JOINT TO JOINT IN WING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A	C	66/187
	185Z5069	PIPE, JOINT TO JOINT IN WING, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A	C	66/188
	47Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/189
	49Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/190
	52Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, AT FORMER 31, STARBOARD, GROUP				1	DTD323A		66/191
	41Z6830	PIPE, JOINT TO JOINT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/192
7831	38Z6830	PIPE, JOINT TO JOINT, TAILPLANE, STARBOARD, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A	C	66/193
	179Z5069	PIPE, JOINT TO JOINT, O/B, ENGINE NACELLE, PORT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/194
	203Z5069	PIPE, JOINT TO JOINT, O/B, ENGINE NACELLE, PORT, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 324)				1	DTD323A		66/195
7832	204Z5069	PIPE, JOINT TO JOINT, O/B, ENGINE NACELLE, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 324)				1	DTD323A	C	66/196
	53Z6830	PIPE, COUPLING TO COUPLING, 22G x $\frac{3}{8}$ " o/d, AT FORMER 31, PORT, GROUP				1	DTD323A		

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (Cont'd)</b>							
	180Z5069	PIPE, JOINT TO JOINT, O/B, ENGINE NACELLE, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/197
	224Z5069	PIPE, JOINT TO JOINT, OUTER WING, PORT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/198
	229Z5069	PIPE, JOINT TO JOINT, OUTER WING, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/199
	50Z6830	PIPE, JOINT TO TEE TAILPLANE, PORT, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		66/200
	51Z6830	PIPE, JOINT TO TEE, TAILPLANE, STARBOARD, 22G x $\frac{1}{4}$ " o/d, GROUP				1	DTD323A		66/201
	141Z5069	PIPE, JOINT TO WING BREAK, PORT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/202
	142Z5069	PIPE, JOINT TO WING BREAK, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/203
	156Z5069	PIPE, NOSE RIB TO WING ROOT, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/204
	159Z5069	PIPE, NOSE RIB TO WING ROOT, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/205
	161Z5069	PIPE, NOSE RIB TO WING ROOT, STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/206
6295	70Z5069	PIPE, OUTER CONNECTION TO PUMP, 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 548)				1	L56	C	66/207
	211Z5069	PIPE, TAILPLANE CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)				1	DTD323A		
6293	67Z5069	PIPE, TAILPLANE, CONNECTION TO PUMP (ONE END BELLED), 22G x $\frac{3}{8}$ " o/d, GROUP (Pre Mod. 548)				1	L56	C	66/208
	208Z5069	PIPE, 1/B CONNECTION TO STUB PIPE, 22G x $\frac{3}{8}$ " o/d, GROUP (Mod. 548)				1	DTD323A		
	197Z5069	PIPE, WING BREAK TO 1/B ENGINE NOSE RIB STARBOARD, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		66/209
907	10Q1392	PIPE, FLEXIBLE, TANK TO BULKHEAD ADAPTOR GROUP				1	—	C	66/31
905	12Z3951	PIPE, FLEXIBLE, GROUP ... ..				1	—	C	66/210
	175Z5069	PIPE, BULKHEAD ADAPTOR TO ATMOSPHERE, GROUP				1	DTD323A		66/25
5834	11Q1389	PIPE, PUMP TO BULKHEAD ADAPTOR GROUP (Pre Mod. 548)				1	L56	C	66/46
	60Q1389	PIPE, VENT FROM PUMP, GROUP (Mod. 548)				1	DTD323		

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SERVICES

DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (Cont'd)</b>							
7192	198Z5069	PIPE, WING BREAK TO I/B ENGINE NOSE RIB STARBOARD, 22G x 3/8" o/d, GROUP				1	DTD323A	C	66/211
	158Z5069	PIPE, WING BREAK TO I/B ENGINE NOSE RIB STARBOARD, 22G x 3/8" o/d, GROUP				1	DTD323A		66/212
	176Z5069	PIPE, WING, PORT AND STARBOARD, 22G x 3/8" o/d, GROUP				4	DTD323A		66/213
5354	177Z5069	PIPE, WING, PORT AND STARBOARD, 22G x 3/8" o/d, GROUP				2	DTD323A	C	66/214
	186Z5069	PIPE, WING ROOT, STARBOARD, TO WING ROOT PORT, 22G x 3/8" o/d, GROUP				1	DTD323A		66/215
	187Z5069	Pipe, centre section ... ..				1	DTD323A		66/216
	188Z5069	Pipe, centre section ... ..				1	DTD323A		66/217
	157Z5069	PIPE, WING ROOT TO INBOARD NOSE RIB, PORT, 22G x 3/8" o/d, GROUP				1	DTD323A		66/218
	162Z5069	PIPE, WING ROOT TO INBOARD NOSE RIB, PORT, 22G x 3/8" o/d, GROUP				1	DTD323A		66/219
	160Z5069	PIPE, WING ROOT TO INBOARD ENGINE NOSE RIB, PORT, 22G x 3/8" o/d, GROUP				1	DTD323A		66/220
	221Z5069	PIPE, VENT FROM TANK, 22G x 3/8" o/d, GROUP				1	DTD323A		66/61
	133Z5069	PIPE, STUB PIPE TO PUMP, 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	134Z5069	PIPE INBOARD CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	135Z5069	PIPE 1/MED CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	136Z5069	PIPE 1/MED CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	137Z5069	PIPE O/B CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	138Z5069	PIPE OUTER CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
	139Z5069	PIPE FIN CONNECTOR TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323		
14196	140Z5069	PIPE TAILPLANE CONNECTION TO PUMP 22G x 3/8" o/d, GROUP (Mod. 548)				1	DTD323	C	
SUE/4947	TKS28000/7	Pump, motor, de-icing ... ..				1	—	A	66/221
5CY/2866	—	Suppressor, type " B " ... ..				1	—	A	66/63

## SERVICES

## DE-ICING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, MAINPLANE, TAILPLANE AND FIN (Z5069) (Cont'd)</b>							
		<b>TANK, DE-ICING IN PORT INBOARD NACELLE (Z5501)</b>							
		Spares for :—							
1994	BSS529	<b>Eyebolt</b> , attachment tank straps ...				4	—	C	66/222
909	2Z5501	<b>STRAP, TANK TOP, GROUP</b> ...				2	—	C	66/223
		Consisting of :—							
28D/12512	A25/1C	<b>Bolt</b> , hex.hd, 2 BA x .55" long ...				2	—	C	
2234	7SS1944	<b>Crosshead</b> , RH... ..				1	—	C	66/10
1983	5bP1941	<b>End</b> , fitting strap ... ..				1	S3	C	66/11
1995	1SS1949	<b>End</b> , fitting strap ... ..				1	S3	C	66/224
28M/5316	A16YCP	<b>Nut</b> , 2 BA ... ..				2	—	C	
28Q/1931	AS455-504	<b>Rivet</b> , snap hd, $\frac{5}{32}$ " dia. x $\frac{1}{4}$ " long ...				8	—	C	
	2aZ5501	<b>Strap</b> ... ..				1	Spring Steel		66/225
910	3Z5501	<b>STRAP, TANK BOTTOM, GROUP</b> ...				2	—	C	66/226
		Consisting of :—							
1986	8SS1944	<b>Crosshead</b> , LH ... ..				1	—	C	66/15
1995	1SS1949	<b>End</b> , fitting strap ... ..				2	S3	C	66/224
28Q/1931	AS455-504	<b>Rivet</b> , snap hd, $\frac{5}{32}$ " dia. x $\frac{1}{4}$ " long ...				10	—	C	
1996	3bZ5501	<b>Strap</b> ... ..				1	Spring Steel	C	66/227
7903	4Z4074	<b>TANK, DE-ICING (Mod. 768.)</b> ...				1	—	A	
		(See Tanks)							
908	1Z4074	<b>TANK, DE-ICING, GROUP (Pre-Mod.768)</b> ...				1	—	A	66/228
		(See Tanks)							
1988	12P2157	<b>Tube</b> , support rank ... ..				1	T4	C	66/19
13153	2SS1945	<b>Turnbuckle</b> , adjustable tank straps ...				2	—	C	66/21

SHACKLETON Mk. 2

SERVICES  
DE-ICING

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DE-ICING, MAINPLANE, TAIL PLANE AND FIN (Z5069) (Cont'd)</b>							
6536	28SS3557					2	—	C	66/229
	226Z5069					1	DTD323A		66/230
	227Z5069					1	DTD323A		66/231
	231Z5069					1	DTD323A		66/232
7891	232Z5069					1	DTD323A	C	66/233
	223Z5069					1	DTD323A		66/234
	230Z5069					1	—		66/235

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	

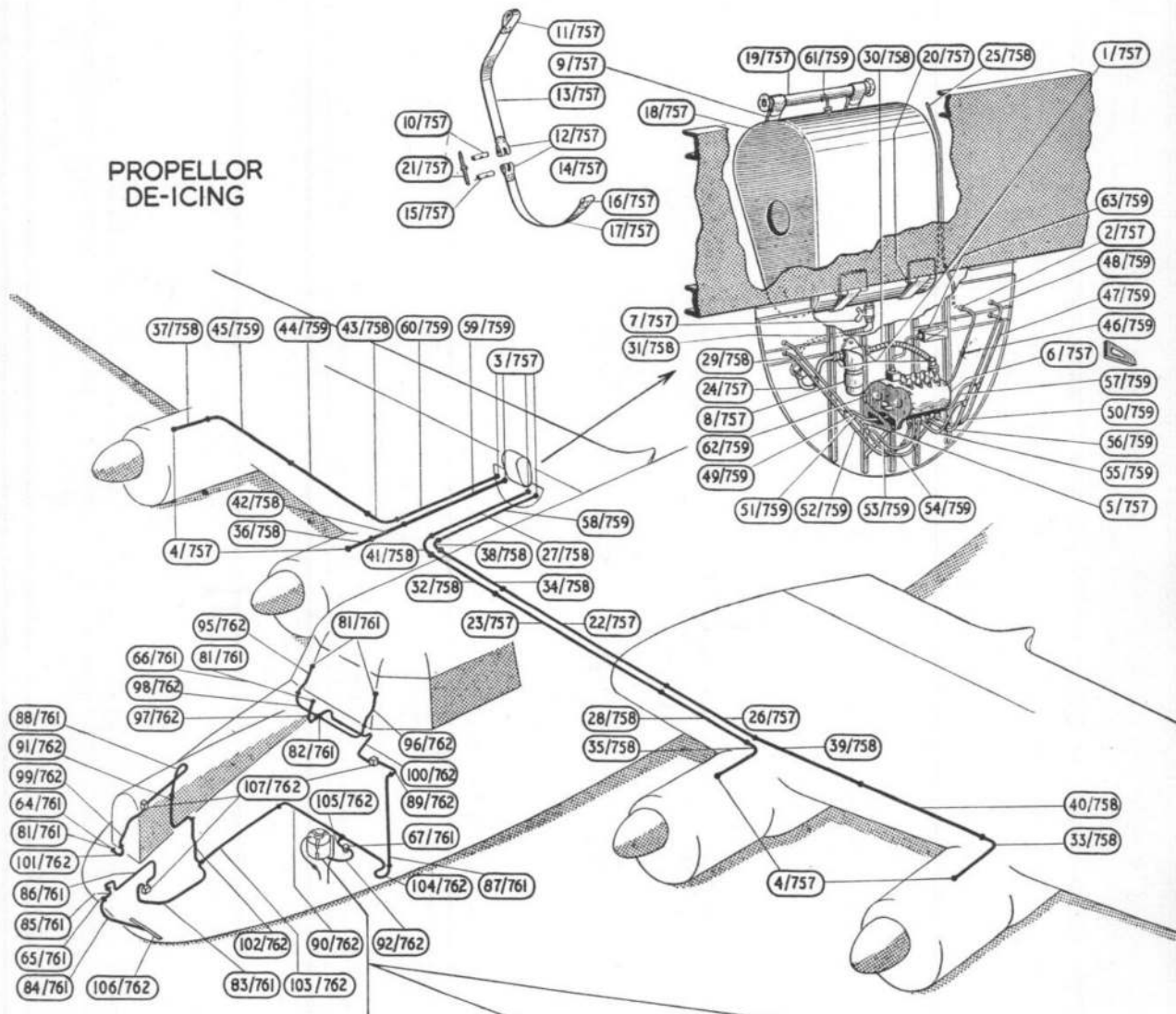
SERVICES

DE-ICING

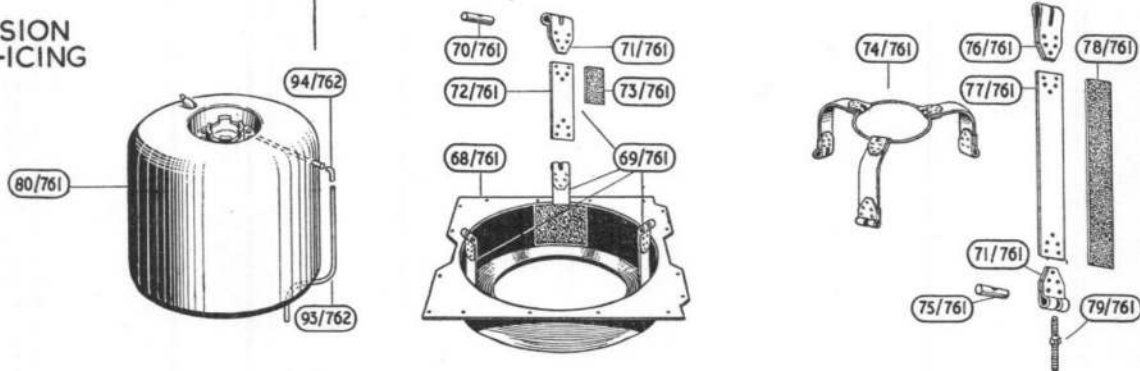
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON DE-ICING SYSTEM</b>									
28F/9728	AGS1132/F	Body, banjo	...	...	...	...	2	—	C C C C C C C C C C C C C C
28F/8222	AGS1135/F	Bolt, banjo	...	...	...	...	2	—	
28D/8472	AGS1885/1B	Bolt, mush.hd, 4 BA x .45" long	...	...	...	...	30	—	
28F/12444	AGS1123/B	Cross, piece	...	...	...	...	2	—	
28F/10287	AGS2001/B/1	Nut, stiff, 4 BA	...	...	...	...	30	—	
28F/5710	AGS906/B	Nipple, adaptor	...	...	...	...	8	—	
28F/9716	AGS1118/C	Tee-piece	...	...	...	...	4	—	
28F/10610	AGS1118/B	Tee-piece	...	...	...	...	10	—	
28F/9704	AGS1102/B	Union, body cone, $\frac{1}{4}$ " BSP	...	...	...	...	19	—	
28F/9705	AGS1102/C	Union, body cone, $\frac{3}{8}$ " BSP	...	...	...	...	55	—	
28F/10486	AGS1145/C	Union, body cone	...	...	...	...	6	—	
28F/9710	AGS1107/E	Union, reducing	...	...	...	...	4	—	
28W/3070	AGS160/B	Washer, 4 BA	...	...	...	...	30	—	



PROPELLOR DE-ICING



VISION DE-ICING



DE-ICING (I)

NOV 19 1954

UNITED STATES DEPARTMENT OF THE ARMY  
HEADQUARTERS, WASHINGTON, D. C.

OFFICE OF THE CHIEF OF STAFF  
HEADQUARTERS, WASHINGTON, D. C.



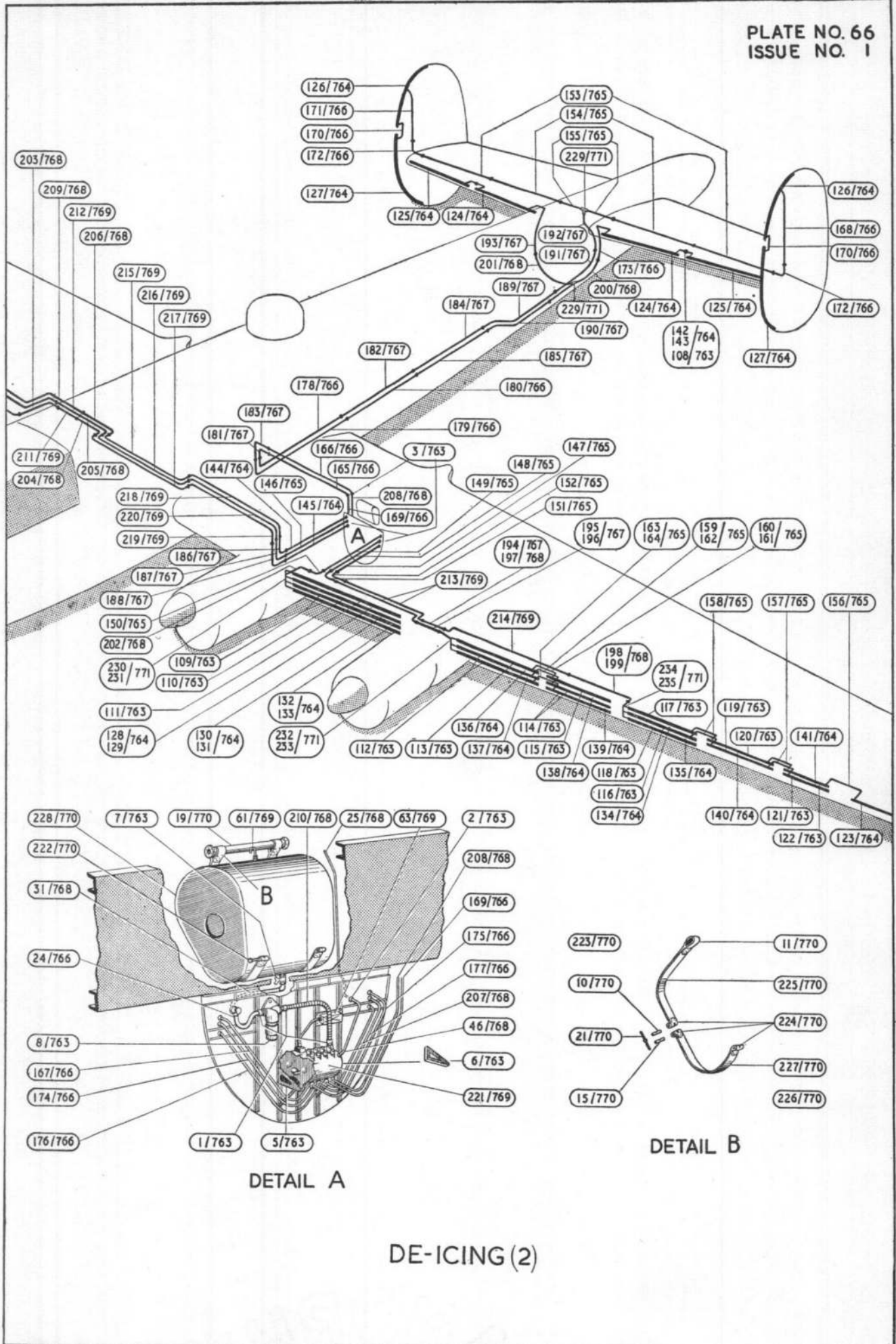


PLATE NO. 58  
ISSUE NO. 1



PLATE 5

DR. H. H. H.

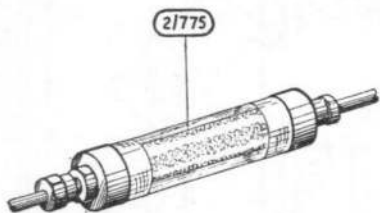
SHACKLETON Mk. 2

SERVICES

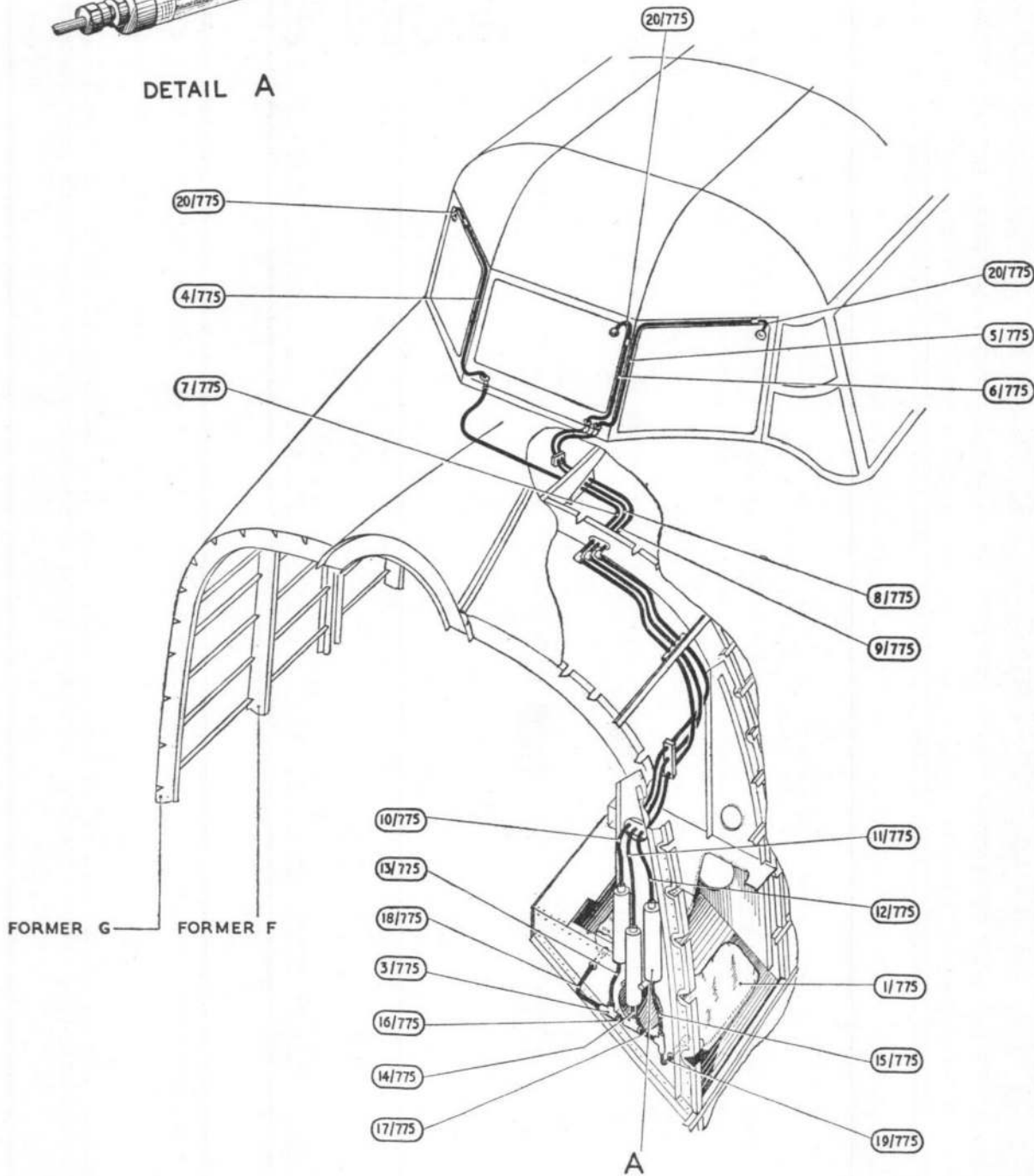
DRY AIR SANDWICH WINDSCREEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DRY AIR SANDWICH WINDSCREEN INSTALLATION (Z6907)</b>							
		Consisting of :—							
1579	TRIPLEX 1964/1	Bag, expansion	...	...	...	2	—	C	67/1
1578	TRIPLEX 1705/2	Cartridge, complete	...	...	...	3	—	C	67/2
28V/5108	AGS838/4 2Z6907	Nut, union	...	...	...	35	—	C	67/3
		Pipe, from starboard windscreen to joint at elbow union, $\frac{5}{16}$ " o/d x 20G				1	L56		67/4
	3Z6907	Pipe, from centre windscreen to joint at elbow union $\frac{5}{16}$ " o/d x 20G				1	L56		67/5
	4Z6907	Pipe, from port windscreen to joint at elbow union $\frac{5}{16}$ " o/d x 20G				1	L56		67/6
	5Z6907	Pipe, from elbow joint to elbow joint (long) $\frac{5}{16}$ " o/d x 20G				1	L56		67/7
	6Z6907	Pipe, from elbow joint to elbow joint (short) $\frac{5}{16}$ " o/d x 20G				1	L56		67/8
	7Z6907	Pipe, from elbow joint to elbow joint (short) $\frac{5}{16}$ " o/d x 20G				1	L56		67/9
	19Z6907	Pipe, from elbow to cartridge, RH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/10
	20Z6907	Pipe, from elbow to cartridge centre, $\frac{5}{16}$ " o/d x 20G				1	L56		67/11
	21Z6907	Pipe, from elbow to cartridge, LH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/12
	22Z6907	Pipe, cartridge to tee-piece, RH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/13
	23Z6907	Pipe, cartridge to tee-piece, centre, $\frac{5}{16}$ " o/d x 20G				1	L56		67/14
	24Z6907	Pipe, cartridge to tee piece, LH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/15
	25Z6907	Pipe, tee-piece to tee-piece, $\frac{5}{16}$ " o/d x 20G				1	L56		67/16
	26Z6907	Pipe, tee-piece to tee-piece, $\frac{5}{16}$ " o/d x 20G				1	L56		67/17
	27Z6907	Pipe, tee-piece to expansion bag, RH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/18
	28Z6907	Pipe, tee-piece to expansion bag, LH, $\frac{5}{16}$ " o/d x 20G				1	L56		67/19
28V/13603	AGS838/8 TRIPLEX	Ring, rubber for union nut	...	...	...	35	—	C	
1580	1964/2/3	Tube, rubber, connection at windscreen, 6" long				3	—	C	67/20
28V/5107	AGS838/3	Union, elbow	...	...	...	6	—	C	67/21
28V/5104	AGS838/1	Union, straight	...	...	...	3	—	C	67/22
28V/5105	AGS838/2	Union, tee-piece	...	...	...	3	—	C	67/23





DETAIL A



DRY AIR SANDWICH WINDSCREEN

FORM 31-1  
OF 3-22-51

W. W. W. W. W.



SHACKLETON Mk. 2

SERVICES

EMERGENCY AIR

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>EMERGENCY AIR SERVICES ASSEMBLIES (Q1692)</b>									
2021 6D/732	59.SS.3553	Spares for :—							
	—	<b>Adaptor</b> , reducing, pipe to air bottle ... ..				4	—	C	68/1
6A/2689	—	<b>Bottle</b> , emergency air, aft of front spar, centre portion				4	—	A	68/2
	—	<b>Gauge</b> , emergency air ... ..				1	—	A	68/3
	25Q1724	<b>MANIFOLD, BETWEEN FORMERS 9 &amp; 10, GROUP (Mod. 1015)</b>				1	—		
		Spares for :—							
28F/9838 28F/11966	2Z9256	<b>Block</b> , manifold ... ..				1	L65		
	AGS1104/A	<b>Cone</b> , union adaptor ... ..				1	—	C	
	AGS1174	<b>Screw</b> , bleeder ... ..				1	—	C	
27Q/724 28F/9428452	DOWTY D127Y	<b>Valve</b> , non-return ... ..				1	—	B	
	AGS1186/A	<b>Washer</b> , sealing ... ..				2	—	C	
<b>MOUNTING, EMERGENCY AIR RELEASE VALVE FOR BOMB DOORS ON ENGINEER'S INSTRUMENT PANEL (20.Q.1424)</b>									
		Consisting of :—							
28D/12531 28D/8309	A25/3C	<b>Bolt</b> , hex.hd, 2 BA x .3" plain ... ..				8	—	C	
	AS1242/4C	<b>Bolt</b> , attachment of knob to lever ... ..				2	—	C	
2130	3.Q.1309	<b>Bracket</b> , valve, support ... ..				2	S3	C	68/4
4540	21.Q.1424	<b>Cover</b> , valve lever ... ..				1	DTD213	C	68/5
1297	7.Q.1424	<b>Knob</b> , for lever ... ..				2	LFS26	C	68/6
	905.SS.6000	<b>Label</b> , "Emergency Air Bomb Doors Open —Closed"				1	—		68/7
2133	10.Q.1424	<b>Nut</b> , special for csk. bolt ... ..				2	S1	C	68/8
1298	4.Q.1424	<b>PIN, LOCKING LEVER, GROUP</b> ... ..				1	—	C	68/9
3826	13.Q.1424	<b>PLATE, STOP, GROUP</b> ... ..				1	—	C	68/10
3827	14.Q.1424	<b>PLATE, STOP, GROUP</b> ... ..				1	—	C	68/11
930 2022	8.Q.1424	<b>Spring</b> , locking pin ... ..				2	—	C	68/12
	9.Q.1424	<b>Tube</b> , distance support bracket, $\frac{5}{16}$ " o/d x $\frac{1}{2}$ " x 17G				8	T35	C	68/13
27Q/722 28W/6316	DOWTY 9955 Mk. C	<b>Valve</b> , emergency air ... ..				2	—	A	68/14
	AGS558/C	<b>Washer</b> , spring ... ..				8	—	C	
<b>MOUNTING, EMERGENCY AIR VALVES FLAPS AND UNDERCARRIAGE ON ENGINEER'S INSTRUMENT PANEL (10.Q.1425)</b>									
		Consisting of :—							
28D/8309 28D/10168	AS1242/4C	<b>Bolt</b> , attachment of knob to flap lever ... ..				1	—	C	
	AS1242/11C	<b>Bolt</b> , attachment of knob to U/C lever ... ..				1	—	C	
2130	3.Q.1309	<b>Bracket</b> , valve support ... ..				2	S3	C	68/4
4541	11.Q.1425	<b>Cover</b> , valve lever ... ..				1	DTD213	C	68/15
1295	5.Q.1425	<b>Knob</b> , flaps ... ..				1	LFS26	C	68/16

**SERVICES**  
**EMERGENCY AIR**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>MOUNTING, EMERGENCY AIR VALVES FLAPS AND UNDERCARRIAGE ON ENGINEER'S INSTRUMENT PANEL (10.Q.1425) (Cont'd)</b>							
	906.SS.6000	<b>Label, "Emergency Air Undercarriage —Flaps"</b>				1	—		68/17
2133	10.Q.1424	<b>Nut, special for csk. bolts ... ..</b>				2	S1	C	68/8
931	5.Q.1309	<b>PIN, LOCKING LEVERS, GROUP ...</b>				2	—	C	68/18
	2b.SS.3500	<b>Rivet, bifurcated ... ..</b>				4	—		
28S/2778	AS31/C24	<b>Screw, 2 BA ... ..</b>				8	—	C	
2134	4.Q.1425	<b>Tube, distance support bracket, <math>\frac{5}{16}</math>" o/d x <math>\frac{11}{32}</math>" x 17G</b>				8	T35	C	68/19
	DOWTY	<b>Valve, emergency air ... ..</b>				2	—	A	68/14
27Q/722	9955 Mk. C	<b>Washer, spring ... ..</b>				8	—	C	
28W/3098	AGS162/C								
	1.Q.1830	<b>PANEL, CHARGING POINT, EMERGENCY AIR, IN CENTRE PORTION, GROUP</b>				1	—		68/20
		Consisting of:—							
	9.Q.907	<b>Adaptor, for pipe at pressure gauge ...</b>				3	BSS249	C	68/21
13360	A25/2C	<b>Bolt, hex.hd, 2 BA x .2" plain ... ..</b>				3	—	C	
28D/12513	A25/1C	<b>Bolt, hex.hd, 2 BA x .1" plain ... ..</b>				15	—	C	
28D/9436920	BUDENBURGH								
5499	$\frac{1}{4}$ " dial	<b>Gauge, pressure <math>\frac{1}{8}</math> BSP 0-2000 lbs. sq. inch</b>				3	—	C	68/22
6142	7.Q.1462	<b>Nipple, pipe ... ..</b>				3	DTD423	C	
28M/10288	AGS2001/C/1	<b>Nut, stiff, 2 BA ... ..</b>				12	—	C	
	6.Q.1830	<b>PANEL, MOUNTING, GROUP ...</b>				1	—		68/23
		Spares for:—							
5383	3.Q.1830	<b>Bracket, gauge ... ..</b>				3	L72	C	
	520.SS.6001	<b>Label (E/Air U/C and Flaps) ... ..</b>				1	L59		
	521.SS.6001	<b>Label (E/Air Scanner) ... ..</b>				1	L59		
	522.SS.6001	<b>Label (E/Air Bomb Doors) ... ..</b>				1	L59		
	523.SS.6001	<b>Label (Charging Valve for Emergency Air Bottles)</b>				1	L59		
7834	60.Q.1692	<b>PIPE, CHARGING POINT TO GAUGE, GROUP</b>				3	T7	C	68/24
		<b>Tee-piece (remove N/R valve) ... ..</b>				3	—	C	68/25
6D/146	—	<b>Valve, charging ... ..</b>				3	—	A	68/26
28Y/15486	AGS1200	<b>Washer, 2 BA ... ..</b>				18	—	C	
28W/9419402	SP/13C	<b>Washer, at pipe nipple ... ..</b>				3	BSS899	C	68/27
5236	17.Q.907	<b>Washer, sealing composite <math>\frac{1}{8}</math>" BSP ...</b>				6	—	C	
28F/12047	AGS1186/A								

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SERVICES  
EMERGENCY AIR

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6773	155.Q.1692	PIPE U/C, FROM PRESSURE GAUGE ON ENGINEER'S PANEL TO TEE PIECE IN FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 10" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/28
6774	156.Q.1692	PIPE U/C, FROM ENGINEER'S PANEL TO TEE PIECE, FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 5" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/29
6772	187.Q.1692	PIPE U/C, FROM TEE-PIECE TO JOINT ELBOW, AFT OF ENGINEER'S BULKHEAD IN FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 2' 8" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/30
	151.Q.1692	PIPE U/C, FROM JOINT ELBOW, AFT OF ENGINEER'S BULKHEAD, TO COUPLING, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 8" LONG, GROUP (Mod. 633)				1	DTD323A		68/31
6770	153.Q.1692	PIPE, FLAP FROM ENGINEER'S PANEL TO JOINT ELBOW, STARBOARD IN FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 2' 11" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/32
6769	152.Q.1692	PIPE, FLAP FROM JOINT ELBOW TO COUPLING FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/33
6777	159.Q.1692	PIPE B/D, CLOSED FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 4" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/34
6781	163.Q.1692	PIPE B/D, CLOSED FROM JOINT ELBOW TO COUPLING, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 3" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/35
6776	158.Q.1692	PIPE B/D, OPEN FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/36
7780	162.Q.1692	PIPE B/D, OPEN FROM JOINT ELBOW TO COUPLING, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 5" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/37
6771	154.Q.1692	PIPE, FLAP FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 1" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/38

**SERVICES**  
**EMERGENCY AIR**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6782	164.Q.1692	PIPE, FLAP FROM JOINT ELBOW TO COUPLING, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 4' 2" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/39
6775	157.Q.1692	PIPE U/C, FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 3" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/40
6783	165.Q.1692	PIPE U/C, FROM JOINT ELBOW TO COUPLING, FRONT CENTRE PORTION, STARBOARD $\frac{3}{16}$ " o/d x 4' 4" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/41
6778	160.Q.1692	PIPE, B/D CLOSED, FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 7" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/42
6784	166.Q.1692	PIPE, B/D CLOSED, FROM JOINT ELBOW TO COUPLING, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 9" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/43
6779	161.Q.1692	PIPE, B/D OPEN, FROM ENGINEER'S PANEL TO JOINT ELBOW, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 8" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/44
6785	167.Q.1692	PIPE, B/D OPEN, JOINT ELBOW TO COUPLING FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 11" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/45
6473	95.Q.1692	PIPE, U/C UNDER FLOOR, IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 8' 3" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/46
6484	144.Q.1440	PIPE, FLAP, UNDER FLOOR, IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 9' 3" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/47
	97Q.1692	PIPE, B/D OPEN, UNDER FLOOR, IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 10' 0" LONG, GROUP (Mod. 572)				1	DTD323A		68/48
6474	96.Q.1692	PIPE, B/D CLOSED, UNDER FLOOR, IN FRONT, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 10' 9" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/49
6472	94.Q.1692	PIPE, B/D CLOSED, UNDER FLOOR, IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 7' 7" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/50
6471	93.Q.1692	PIPE, B/D OPEN, UNDER FLOOR, IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 7' 0" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/51

SHACKLETON Mk. 2

## SERVICES

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## EMERGENCY AIR

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6469	91.Q.1692	PIPE, U/C, UNDER FLOOR IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 7' 0" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/52
6470	92.Q.1692	PIPE, FLAP, UNDER FLOOR IN FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 7' 7" LONG, GROUP (Mod. 572)				1	DTD323A		68/53
6788	170.Q.1692	PIPE, U/C, AT WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 4' 11" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/54
6789	171.Q.1692	PIPE, FLAP, AT WING ROOT PANEL, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 5' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/55
6786	168.Q.1692	PIPE, B/D OPEN, AT WING ROOT PANEL, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 5' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/56
6787	169.Q.1692	PIPE, B/D CLOSED, AT WING ROOT PANEL, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 5' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/57
	150.Q.1692	PIPE U/C, AT WING ROOT PANEL TO TEE PIECE, FRONT CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 2' 7" LONG, GROUP (Mod. 633)				1	DTD323A		68/58
6670	160.Q.1440	PIPE, U/C, TEE-PIECE TO COUPLING, WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 3" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/59
	191.Q.1692	PIPE, SCANNER, UNION TO UNION, AFT OF FRONT SPAR, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 771)				1	DTD323A		
6671	161.Q.1440	PIPE, U/C, ALONG FRONT SPAR, CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 6' 4" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/61
6684	174.Q.1440	PIPE, U/C, ALONG FRONT SPAR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 6' 10" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/62
6685	175.Q.1440	PIPE, U/C, AFT OF INBOARD ENGINE BULKHEAD, PORT, $\frac{3}{16}$ " o/d x 22G x 24" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/63
6669	159.Q.1440	PIPE, U/C, AFT OF INBOARD ENGINE BULKHEAD, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 24" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/64

**SERVICES**  
**EMERGENCY AIR**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6672	162.Q.1440	PIPE, U/C, TO EMERGENCY AIR VALVE, BETWEEN SPARS IN CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 6' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/65
6668	158.Q.1440	PIPE, U/C, TO EMERGENCY AIR VALVE, BETWEEN SPARS IN CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/66
6686	176.Q.1440	PIPE, U/C, FROM EMERGENCY AIR VALVE TO SHUTTLE VALVE, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/67
6693	183.Q.1440	PIPE, FLAP, COUPLING TO AIR BOTTLE ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 3' 1" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/68
6692	182.Q.1440	PIPE, U/C, COUPLING TO TEE-PIECE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 8" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/69
6694	184.Q.1440	PIPE, U/C, TEE-PIECE TO AIR BOTTLE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/70
1763	19.Q.1440	PIPE, FROM AIR BOTTLE (FLAP AND BOMB DOOR CLOSED) TO NON-RETURN VALVE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 20G x 11" LONG, GROUP				2	DTD323A	C	68/71
1765	93.Q.1440	PIPE, FROM AIR BOTTLE (U/C AND BOMB DOOR OPEN) TO NON-RETURN VALVE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 20G x 9" LONG, GROUP				2	DTD323A	C	68/72
6700	190.Q.1440	PIPE, B/D CLOSED, FROM COUPLING TO AIR BOTTLE (BOMB DOOR CLOSED) ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 4" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/73
6697	187.Q.1440	PIPE, B/D OPEN, FROM TEE-PIECE TO AIR BOTTLE (BOMB DOOR OPEN) ABOVE FLOOR IN CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 3' 9" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/74
6696	186.Q.1440	PIPE, B/D OPEN, FROM COUPLING TO TEE-PIECE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 2" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/75

SHACKLETON Mk. 2

**SERVICES**  
**EMERGENCY AIR**

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6698	188.Q.1440	PIPE, B/D CLOSED, COUPLING TO COUPLING, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 2" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/76
6695	185.Q.1440	PIPE, B/D OPEN, TEE-PIECE TO COUPLING, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 3' 5" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/77
6761	182.Q.1692	PIPE, B/D OPEN, COUPLING TO CHARGING POINT, BELOW FLOOR, STARBOARD, CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 2' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/78
6691	181.Q.1440	PIPE, U/C, TEE-PIECE TO COUPLING, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 3' 1" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/79
6760	181.Q.1692	PIPE, U/C, COUPLING TO CHARGING POINT, BELOW FLOOR, CENTRE PORTION STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/80
6762	183.Q.1692	PIPE, SCANNER, COUPLING TO AIR BOTTLE, ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 4" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/81
6798	180.Q.1692	PIPE, SCANNER AIR BOTTLE TO CHARGING POINT, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 11" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/82
	149.Q.1692	PIPE, SCANNER, COUPLING TO COUPLING ABOVE FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A		68/83
6768	148.Q.1692	PIPE, SCANNER, COUPLING TO AIR RELEASE VALVE, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/84
	192.Q.1692	PIPE, SCANNER, UNION TO ELBOW, AFT OF FRONT SPAR, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 771)				1	DTD323A		
6477	89.Q.1692	PIPE, SCANNER, JOINT ELBOW TO COUPLING, BELOW FLOOR, CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 5' 6" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/86
6458	145.Q.1440	PIPE, FLAP, COUPLING TO COUPLING, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 8' 6" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/87

**SERVICES**  
**EMERGENCY AIR**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6479	99.Q.1692	PIPE, B/D OPEN, TEE-PIECE TO TEE-PIECE, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 572)				1	DTD323A	C	68/88
6790	172.Q.1692	PIPE, B/D OPEN, TEE-PIECE TO SHUTTLE VALVE, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/89
	193.Q.1692	PIPE, SCANNER VALVE TO UNION, FORWARD, GROUP (Mod. 771)				1	DTD323A		
6792	174.Q.1692	PIPE, SHUT OFF VALVE TO TEE-PIECE BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/91
6794	176.Q.1692	PIPE, TEE-PIECE TO EMERGENCY AIR VALVE, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/92
	100.Q.1692	PIPE, B/D CLOSED, COUPLING TO TEE-PIECE, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 572)				1	DTD323A		68/93
6478	98.Q.1692	PIPE, B/D CLOSED, TEE-PIECE TO SHUTTLE VALVE, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 3' 6" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/94
6476	90.Q.1692	PIPE, U/C TAILWHEEL, TEE-PIECE TO COUPLING, BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 9' 0" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/95
6482	88.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, BELOW FLOOR, STARBOARD, REAR CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 12' 10" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/96
6481	87.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, BELOW FLOOR, REAR CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 9' 2" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/97
6480	86.Q.1692	PIPE, SCANNER JACK, COUPLING TO COUPLING, BELOW FLOOR, REAR CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 12' 4" LONG, GROUP (Mod. 572)				1	DTD323A	C	68/98

SHACKLETON Mk. 2

**SERVICES**  
**EMERGENCY AIR**

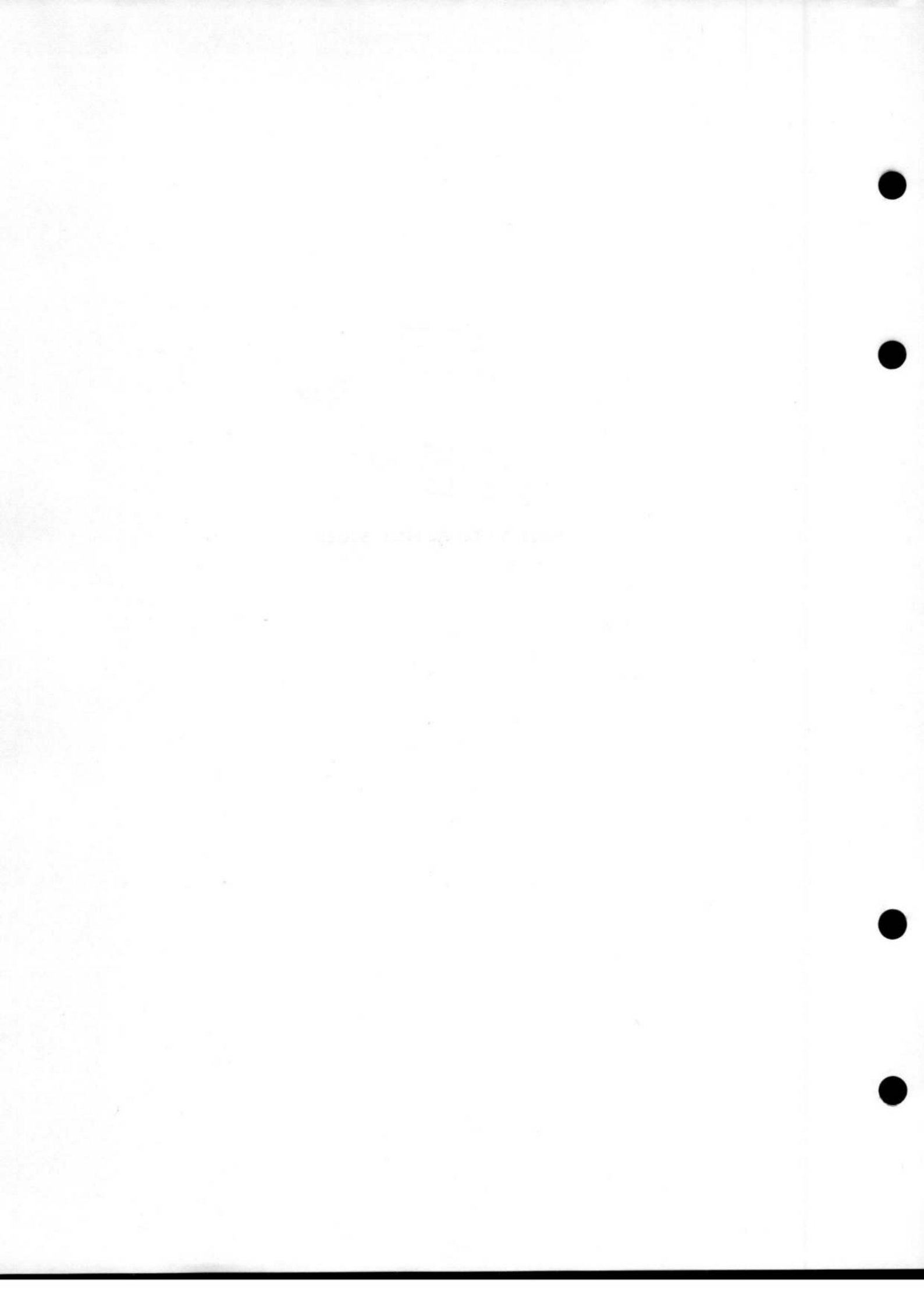
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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
2769	17.Q.1631	PIPE, FLAP, COUPLING TO TEE PIECE BELOW FLOOR, REAR CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323	C	68/99
2768	16.Q.1631	PIPE, FLAP, TEE PIECE TO NON-RETURN VALVE BELOW FLOOR, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323	C	68/100
2765	13.Q.1631	PIPE, FLAP, TEE-PIECE TO JETTISON VALVE, REAR CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323	C	68/101
3751	33.Q.1631	PIPE, FLAP, NON-RETURN VALVE TO FLAP VALVE, REAR CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323		68/102
	101.Q.1692	PIPE, SCANNER, COUPLING TO COUPLING, BELOW FLOOR, REAR CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 2' 10" LONG, GROUP (Mod. 572)				1	DTD323A		68/103
6767	147.Q.1692	PIPE, SCANNER, COUPLING TO JETTISON VALVE, ABOVE FLOOR, REAR CENTRE PORTION, PORT, $\frac{3}{16}$ " o/d x 22G x 8' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/104
6795	177.Q.1692	PIPE, SCANNER, JETTISON VALVE TO SHUTTLE VALVE, REAR CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	68/105
6766	146.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, ABOVE FLOOR, REAR REAR CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G x 10' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	68/106
	188.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, REAR PORTION, $\frac{3}{16}$ " o/d x 22G x 7' 0" LONG, GROUP				1	DTD323A	C	68/107
	189.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, REAR PORTION, $\frac{3}{16}$ " o/d x 22G x 3' 0" LONG, GROUP				1	DTD323A	C	68/108
6763	184.Q.1692	PIPE, TAILWHEEL TO TEE PIECE COUPLING REAR PORTION 22 x $\frac{3}{16}$ " o/d GROUP (Mod. 633)				1	DTD323A	C	68/109
6764	185.Q.1692	PIPE, TAILWHEEL, TEE PIECE TO AIR VALVE 22G x $\frac{3}{16}$ " o/d GROUP (Mod. 633)				1	DTD323A	C	68/110
6765	186.Q.1692	PIPE, TAILWHEEL COUPLING TO TEE PIECE 22G x $\frac{3}{16}$ " o/d GROUP (Mod. 633)				1	DTD323A	C	68/111
	190.Q.1692	PIPE, TAILWHEEL, COUPLING TO COUPLING, REAR PORTION, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323A		

**SERVICES**  
**EMERGENCY AIR**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	194.Q.1692	PIPE, SCANNER VALVE TO UNION, AFT, GROUP (Mod. 771)				1	DTD323A		
	195.Q.1692	PIPE, TEE PIECE TO TEE PIECE, AT FORMER 10, GROUP (Mod. 1015)				1	DTD323A		
	196.Q.1692	PIPE, TEE PIECE, AT FORMER 10 TO EMERGENCY AIR VALVE, GROUP (Mod. 1015)				1	DTD323A		
	197.Q.1692	PIPE, TEE PIECE TO MANIFOLD BETWEEN FORMERS 9 & 10, GROUP (Mod. 1015)				1	DTD323A		
	198.Q.1692	PIPE, MANIFOLD TO SHUT-OFF VALVE, AT FORMER 9, GROUP (Mod. 1015)				1	DTD323A		
6D/146	—	Tee-piece ... ..				2	—	C	68/251
27Q/724	Dowty D127Y	Valve, non-return in rear centre portion fuselage, between floor beam 15-16, starboard				1	—	A	68/112
27Q/486	Dowty D277Y	Valve, non-return, at emergency air bottle in centre portion fuselage				2	—	A	68/113
27Q/723	Dowty C200Y Mk. 8	Valve, emergency air in u/c wheel bay, port and starboard				2	—	A	68/114
27Q/634	Dowty C305Y Mk. C.	Valve, emergency air in centre portion fuselage between floor beams 8-10, starboard				2	—	A	68/115
27Q/638	Dowty C1887Y	Valve, shuttle in centre portion fuselage, between floor beams 8-9, starboard				1	—	A	68/116
27Q/725	Dowty C2898Y	Valve, shuttle, in centre portion fuselage, between floor beams 7-8, starboard				1	—	A	68/117
27Q/732	Dowty C2303Y	Valve, shut off ... ..				1	—	A	68/118

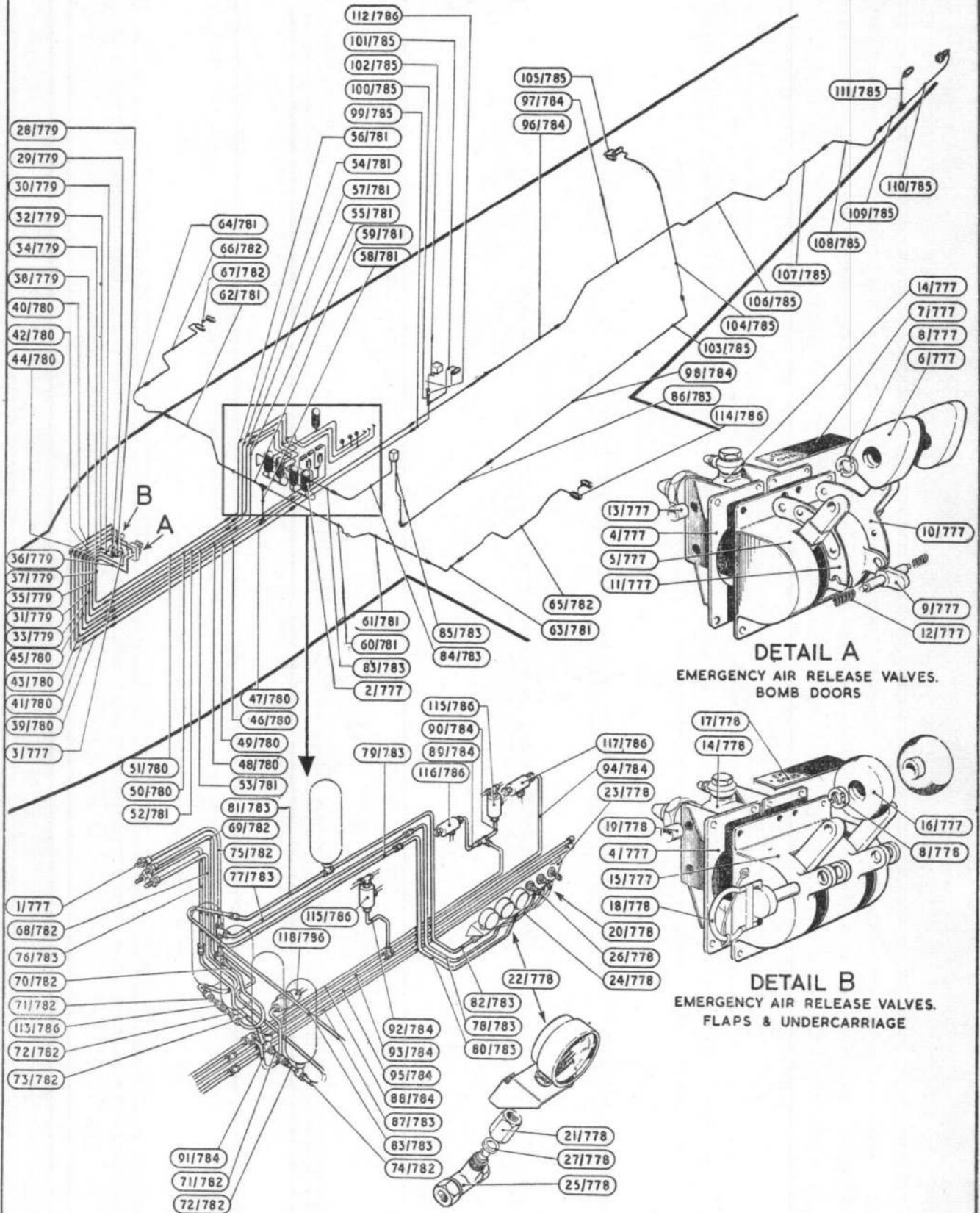
**PAGE 787 TO 790 NOT ISSUED**



SERVICES  
EMERGENCY AIR

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON EMERGENCY AIR SERVICES</b>									
28F/12345	AGS1116/A	Elbow, cone for $\frac{3}{16}$ " o/d pipe ... ..				9	—	C	
28F/9501	AGS1142/B	Nipple, adaptor, $\frac{1}{4}$ " o/d pipe ... ..				10	—	C	
28F/3580	AGS713/B	Nipple, adaptor, $\frac{1}{4}$ " ... ..				12	—	C	
28F/10491	AGS1148/A	Nut, thin, $\frac{1}{8}$ " BSF ... ..				6	—	C	
28F/10782	AGS1118/A	Tee, cone for $\frac{3}{16}$ " o/d pipe ... ..				20	—	C	
28F/10610	AGS1118/B	Tee, cone for $\frac{1}{4}$ " o/d pipe ... ..				9	—	C	
28F/10020	AGS1120/1	Tee, cone, $\frac{1}{4}$ " x $\frac{1}{4}$ " x $\frac{3}{16}$ " ... ..				2	—	C	
28F/10785	AGS1145/A	Union, body cone for $\frac{3}{16}$ " o/d pipe ... ..				2	—	C	
28F/9703	AGS1102/A	Union, body cone for $\frac{3}{16}$ " dia. pipe ... ..				20	—	C	
28F/9704	AGS1102/B	Union, body cone for $\frac{1}{4}$ " o/d pipe ... ..				9	—	C	
28F/10509	AGS1107	Union, reducing cone for $\frac{1}{4}$ " x $\frac{3}{16}$ " pipes				2	—	C	





**DETAIL A**  
EMERGENCY AIR RELEASE VALVES.  
BOMB DOORS

**DETAIL B**  
EMERGENCY AIR RELEASE VALVES.  
FLAPS & UNDERCARRIAGE

EMERGENCY AIR



SHACKLETON Mk. 2

## SERVICES

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**FIRE EXTINGUISHER INSTALLATION  
(METHYL BROMIDE)**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FIRE EXTINGUISHER SYSTEM ASSEMBLIES (METHYL BROMIDE)</b>							
		Spares for :—							
		<b>METHYL BROMIDE, FIRE PROTECTION FOR FUEL TANKS, INNER MAIN PLANE, PORT AND STARBOARD (2&amp;3P2433)</b>							
		Spares for :—							
1720	145P2433	<b>Body</b> , flanged union, at pipe joint between nose ribs 10a-11				1	DTD423	C	69/1
27N/95	GRAVINER 262/E	<b>Bracket</b> , fire extinguisher, at rear spar, inner mainplane				1	—	A	69/2
1724	12Z5222	<b>BRACKET, MOUNTING, FIRE EXTINGUISHER BOTTLE ON REAR SPAR, AT RIB No. 1, GROUP</b>				1	—	C	69/3
1722	74P2433	Clip, spray pipes ... ..				58	S2	C	69/4
13457	4SS3859	Clip, spray pipes ... ..				3	—	C	69/5
1723	26SS3859	Clip, spray pipe to vent pipe ... ..				3	—	C	69/6
27N/66	—	Extinguisher, fire, Mk. 4 ... ..				1	—	A	69/7
1725	147P2433	Nipple, adaptor ... ..				2	—	C	69/8
1726	4SS3860	Packing, bonding clip ... ..				57	F50	C	69/9
	10SS3860	Packing ... ..				5	—	C	69/10
	205P2433	<b>PIPE, SPRAY, ON RIB No. 1, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A		69/11
	206P2433	<b>PIPE, SPRAY, ON RIB No. 1, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A		69/12
7293	202P2433	<b>PIPE, SPRAY, BETWEEN RIBS 1-2, FRONT SPAR, PORT, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	69/13
7294	203P2433	<b>PIPE, SPRAY, BETWEEN RIBS 1-2, FRONT, SPAR, STARBOARD, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	69/14
7295	204P2433	<b>PIPE, SPRAY, BETWEEN RIBS 2-6A, <math>\frac{3}{8}</math>" o/d x 22G, GROUP</b>				1	DTD323A	C	69/15
7291	200P2433	<b>PIPE, SPRAY, BETWEEN RIBS 6A-7B, FRONT SPAR, PORT, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	69/16
7292	201P2433	<b>PIPE, SPRAY, BETWEEN RIBS 6A-7B, FRONT SPAR, STARBOARD, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	69/17
	219P2433	<b>PIPE, FEED, FROM ADAPTOR TO COUPLING, BETWEEN RIBS 7-7B, PORT, <math>\frac{3}{4}</math>" o/d x 20G, GROUP</b>				1	DTD323A		69/18

**SERVICES**  
**FIRE EXTINGUISHER INSTALLATION**  
**(METHYL BROMIDE)**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHYL BROMIDE, FIRE PROTECTION FOR FUEL TANKS, INNER MAIN-PLANE, PORT AND STARBOARD (2&amp;3P2433) (Cont'd)</b>							
	220P2432	PIPE, FEED, FROM ADAPTOR TO COUPLING, BETWEEN RIBS 7-7B, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/19
	198P2433	PIPE, SPRAY, BETWEEN RIBS 7B-7A, FRONT SPAR, PORT, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/20
7290	199P2433	PIPE, SPRAY, BETWEEN RIBS 7B-7A, FRONT SPAR, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/21
	197P2433	PIPE, SPRAY, BETWEEN RIBS 7A-10, FRONT SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/22
7296	212P2433	PIPE, FEED, BETWEEN RIBS 8-10A, FRONT SPAR, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/23
	213P2433	PIPE, FEED, BETWEEN RIBS 8-10A, FRONT SPAR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/24
7297	181P2433	PIPE, FEED, COUPLING TO COUPLING, BETWEEN RIBS 10A-11, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/25
	196P2433	PIPE, SPRAY, BETWEEN RIBS 11-13A, FRONT SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/26
	195P2433	PIPE, SPRAY, BETWEEN RIBS 13A-17A FRONT SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/27
	193P2433	PIPE, SPRAY, BETWEEN RIBS 17A-17B, FRONT TO REAR SPAR, PORT, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/28
	194P2433	PIPE, SPRAY, BETWEEN RIBS 17A-17B, FRONT TO REAR SPAR, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/29
	177P2433	PIPE, FEED, COUPLING TO ADAPTOR AT RIB No. 1, REAR SPAR, PORT, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/30
	178P2433	PIPE, FEED, COUPLING TO ADAPTOR AT RIB No. 1, REAR SPAR, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/31

SHACKLETON Mk. 2

SERVICES

FIRE EXTINGUISHER INSTALLATION  
(METHYL BROMIDE)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHYL BROMIDE, FIRE PROTECTION FOR FUEL TANKS, INNER MAIN-PLANE, PORT AND STARBOARD (2&amp;3P2433) (Cont'd)</b>							
7973	179P2433	PIPE, FEED, COUPLING TO ADAPTOR, AT RIB No. 1, REAR SPAR, PORT, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/32
7974	180P2433	PIPE, FEED, COUPLING TO ADAPTOR, AT RIB No. 1, REAR SPAR, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/33
	231P2433	PIPE, FEED, ADAPTOR TO COUPLING FOR FIRE EXTINGUISHER AT RIB No. 1, REAR SPAR, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/34
	222P2433	PIPE, FEED, ADAPTOR TO COUPLING FOR FIRE EXTINGUISHER, RIB No. 1 AT REAR SPAR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/35
	230P2433	PIPE, FEED, COUPLING TO FIRE EXTINGUISHER AT RIB No. 1, REAR SPAR, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/36
	221P2433	PIPE, FEED, COUPLING TO FIRE EXTINGUISHER AT RIB No. 1, REAR SPAR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/37
12382	189P2433	PIPE, SPRAY, BETWEEN RIBS 1-5, AT REAR SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/38
12383	190P2433	PIPE, SPRAY, BETWEEN RIBS 5-7A AT REAR SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/39
12390	216P2433	PIPE, FEED, BETWEEN RIBS 7A-7C, AT REAR SPAR, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/40
12391	217P2433	PIPE, FEED, BETWEEN RIBS 7A-7C, AT REAR SPAR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/41
12384	191P2433	PIPE, SPRAY, BETWEEN RIBS 8-13, AT REAR SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/42
12385	192P2433	PIPE, SPRAY, BETWEEN RIBS 13-17A, AT REAR SPAR, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/43
1872 26DC/9481	146P2433	Sleeve, inner for nipple at pipe joints ...				2	DTD423	C	69/44
	4SS3318	Strip, bonding ... ..				57	—	C	
	10SS3318	Strip, bonding ... ..				5	—	C	
	176P2433	Tube, blanking, at Rib No. 1 ... ..				2	DTD323A		69/45
1873	149P2433	Union, reducing for spray pipes ... ..				2	DTD423	C	69/46

**SERVICES**  
**FIRE EXTINGUISHER INSTALLATION**  
**(METHYL BROMIDE)**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
27N/87 13457 13420 27N/66	GRAVINER 262/E 4SS3859 10SS3859 —	<b>METHYL BROMIDE, FIRE PROTECTION FOR FUEL TANKS, CENTRE PORTION FUSELAGE AND WING (6P2433)</b> Spares for :—							
					Bracket, fire extinguisher, aft of front spar	4	—	A	69/2
					Clip, spray pipes ... ..	18	—	C	69/5
					Clip, pipe ... ..	8	—	C	69/47
			Extinguisher, fire ... ..	4	—	A	69/7		
		<b>MOUNTING, FIRE EXTINGUISHERS, AT REAR SPAR, CENTRE PORTION (2Z4914)</b> Spares for :—							
	15Z4914	BRACKET, MOUNTING, FIRE EXTINGUISHER BOTTLE, GROUP				1	—		69/48
1725 1726	147P2433 4SS3860			Nipple, adaptor at pipe joint ... ..	4	S1	C	69/8	
				Packing, bonding clip ... ..	2	F50	C	69/9	
	226P2433	PIPE, FEED, FIRE EXTINGUISHER, AT FRONT SPAR, TO COUPLING, PORT, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/49
7923	227P2433	PIPE, FEED, FIRE EXTINGUISHER, AT FRONT SPAR, TO COUPLING, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/50
	228P2433	PIPE, FEED, COUPLING TO NIPPLE ADAPTOR, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/51
	229P2433	PIPE, FEED, COUPLING TO NIPPLE ADAPTOR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/52
	138P2433	PIPE, FEED, "Y" ADAPTOR TO FLEXIBLE JOINT, PORT (ONE END PLAIN), $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/53
	184P2433	PIPE, FEED, "Y" ADAPTOR TO FLEXIBLE JOINT, STARBOARD (ONE END PLAIN), $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/54
7300	185P2433	PIPE, FEED, "Y" ADAPTOR TO FLEXIBLE JOINT, "AT ENGINE RIB, PORT (ONE END PLAIN), $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/55
7301	186P2433	PIPE, FEED, "Y" ADAPTOR TO FLEXIBLE JOINT, AT ENGINE RIB, STARBOARD (ONE END PLAIN), $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	6

SHACKLETON Mk. 2

SERVICES

FIRE EXTINGUISHER INSTALLATION  
(METHYL BROMIDE)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHYL BROMIDE, FIRE PROTECTION FOR FUEL TANKS, CENTRE PORTION FUSELAGE AND WING (6P2433) (Cont'd)</b>							
	207P2433	Pipe, spray, along rear spar, LH & RH ...				1	DTD323A		69/57
	233P2433	Pipe, spray, at fuselage, front to rear spar, LH & RH				1	DTD323A		69/58
	208P2433	Pipe, spray, along front spar, LH & RH ...				1	DTD323A		69/59
	209P2433	Pipe, spray, along engine rib, front to rear spar, LH & RH				1	DTD323A		69/60
	187P2433	PIPE, FEED, FLEXIBLE JOINT TO TEE-PIECE AT REAR SPAR, PORT (ONE END PLAIN) $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/61
	188P2433	PIPE, FEED, FLEXIBLE JOINT TO TEE-PIECE AT REAR SPAR, STARBOARD (ONE END PLAIN) $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/62
	182P2433	PIPE, FEED, TEE-PIECE TO FLEXIBLE JOINT AT FUSELAGE SIDE, LH AND RH, (ONE END PLAIN), $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A		69/63
7302	223P2433	PIPE, FEED, FROM TEE-PIECE AT REAR SPAR, PORT, TO FIRE EXTINGUISHER, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	69/64
	224P2433	PIPE, FEED, FROM FIRE EXTINGUISHER AT REAR SPAR TO COUPLING, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/65
	225P2433	PIPE, FEED, FROM COUPLING TO TEE-PIECE, AT REAR SPAR, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/66
1872	75P2433	Plate, support for clip at rear spar ...				3	DTD610		
26DC/9481	146P2433	Sleeve, inner for nipple at pipe joints ...				4	DTD423	C	69/44
1722	4SS3318	Strip, bonding ...				2	—	C	
7017	74P2433	Tube, clip ...				2	S3	C	69/4
	102P2433	Tube, distance, $\frac{5}{16}$ " o/d x 17G x 1.5" ...				6	T9	C	69/67
	69P2433	Tube, distance, $\frac{5}{16}$ " o/d x 17G x .25" ...				8	—		
5826	10P2433	Tube, flexible, $\frac{3}{8}$ " i/d x $\frac{5}{8}$ " o/d x 1 $\frac{3}{4}$ " ...				12	DTD323A	C	

**SERVICES**  
**FIRE EXTINGUISHER INSTALLATION**  
**(METHYL BROMIDE)**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHYL BROMIDE, FIRE PROTECTION IN OUTBOARD NACELLE, PORT AND STARBOARD (4&amp;5P2433)</b>							
		Spares for :—							
1721	97P2433	Bracket, clip, for fire extinguisher mounting				6	T35 & S3	C	69/68
27N/87	GRAVINER	Bracket, mounting, fire extinguisher ...				3	—	A	69/2
27N/66	262/E	Extinguisher, fire ... ..				3	—	A	69/7
13327	10SS1862	Clip, half, fire extinguisher mounting ...				6	T35 & S3	C	69/69
13420	10SS3859	Clip, pipe attachment to engine sub-frame				6	—	C	69/47
13183	24SS3264	Clip, pipe attachment to engine sub-frame				4	—	C	69/70
	30SS3264	Clip, pipes ... ..				4	—		
	210P2433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT TO FIRE EXTINGUISHER, FRONT, LH, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/71
	211P2433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT TO FIRE EXTINGUISHER, FRONT, RH, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/72
7298	214P2433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT, FROM FIRE EXTINGUISHER TO COUPLING AT REAR SPAR, LH, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/73
	215P1433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT, FROM FIRE EXTINGUISHER TO COUPLING AT REAR SPAR, RH, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/74
7299	232P2433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT, TO FIRE EXTINGUISHER, RH, PORT, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A	C	69/75
	218P2433	PIPE, FEED, ALONG ENGINE SUB-FRAME STRUT, TO FIRE EXTINGUISHER, LH, STARBOARD, $\frac{3}{4}$ " o/d x 20G, GROUP				1	DTD323A		69/76
7017	102P2433	Tube, distance, $\frac{5}{16}$ " o/d x 17G x 1.5' long				6	T9	C	69/67

SHACKLETON Mk 2

SERVICES

FIRE EXTINGUISHER INSTALLATION  
(METHYL BROMIDE)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>MOUNTING OF SWITCHES AND FLAME CORDS, INNER MAINPLANE, PORT AND STARBOARD (1&amp;2Z5213)</b>									
Spares for :—									
1727	5Z5213					6	DTD610	C	69/77
27N/52	—					79	—	A	69/78
1731	8Z5222					1	S3 & T45	C	69/79
1732	9Z5222					1	S3 & T45	C	69/80
27N/71	—					3	—	C	69/81
27N/61	—					6	—	A	69/82
1728	3Z5213					2	S3 & T45	C	69/83
1729	4Z5213					2	S3 & T45	C	69/84
<b>MOUNTING, OF SWITCHES AND FLAME CORDS IN CENTRE PORTION, PORT AND STARBOARD (1&amp;2Z5373)</b>									
Spares for :—									
1727	5Z5213					2	DTD610	C	69/77
13106	1SS2877					8	—	C	69/85
27N/52	—					37	—	A	69/78
1730	271P2247					8	—	C	69/86
1733	4Z5373					2	S3	C	69/87
27N/62	—					2	—	C	69/88
<b>MOUNTING, FLAME SWITCHES IN FUSELAGE, PORT AND STARBOARD (3&amp;4Z4914)</b>									
Spares for :—									
1727	5Z5213					2	DTD610	C	69/77
2431	19Z4914					2	S3 & T45	C	69/89
1736	17Z4914					4	BSS668	C	69/90
1733	4Z5373					2	S3	C	69/87
1737	3Z5373					2	Asbestos	C	69/91
27N/61	—					4	—	A	69/82



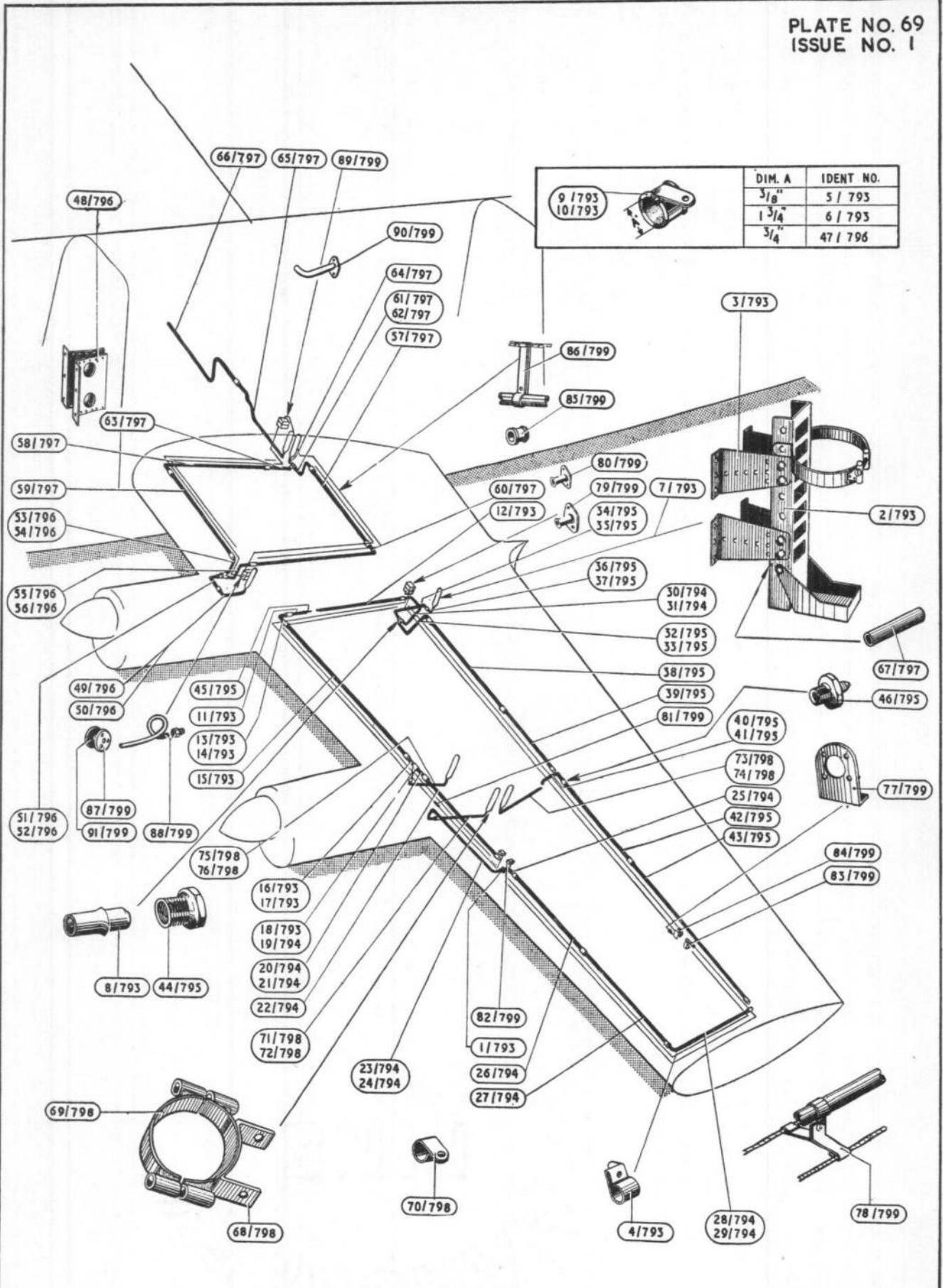
SERVICES

FIRE EXTINGUISHER INSTALLATION  
(METHYL BROMIDE)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON METHYL BROMIDE SYSTEM</b>									
28F/	AGS1164	Adaptor, tee	...	...	...	2	—	C	
28F/	AGS1171	Adaptor, Y	...	...	...	6	—	C	
28D/12512	A25/1C	Bolt, hex.hd, 2 BA x .1" plain	...	...	...	48	—	C	
28D/12532	A25/4C	Bolt, 2 BA x .4" plain	...	...	...	10	—	C	
28D/12515	A25/10C	Bolt, hex.hd, 2 BA x 1.0" plain	...	...	...	24	—	C	
28D/12517	A25/17C	Bolt, hex.hd, 2 BA x 1.7" plain	...	...	...	18	—	C	
28D/11937	AS1246/2B	Bolt, rd.hd, 4 BA x .45" long	...	...	...	18	—	C	
28D/11564	AS1246/1C	Bolt, rd, hd, 2 BA x .5" long	...	...	...	56	—	C	
28D/11012	AS1884 $\frac{1}{2}$ B	Bolt, rd.hd, 4 BA x .40" long	...	...	...	240	—	C	
28D/10001	AS1884 $\frac{1}{4}$ B	Bolt, rd.hd, 4 BA x .45" long	...	...	...	246	—	C	
28E/10154	Mk. 00	Clip, hose, type "J"	...	...	...	24	—	C	
28F/9619	AGS1142/C	Nipple, adaptor	...	...	...	18	—	C	
28F/8235	AGS1142/F	Nipple, adaptor	...	...	...	26	—	C	
28M/10287	AGS2001/B/1	Nut, stiff, 4 BA	...	...	...	376	—	C	
28M/10288	AGS2001/C/1	Nut, stiff, 2 BA	...	...	...	165	—	C	
28F/10801	AGS1143/C	Plug, cone	...	...	...	8	—	C	
28F/9705	AGS1102/C	Union, body, cone	...	...	...	18	—	C	
28F/9876	AGS1103/F	Union, body	...	...	...	4	—	C	
28F/11232	AGS1112/F	Union, bulkhead	...	...	...	4	—	C	
28W/12305	SP13/B	Washer, 4 BA	...	...	...	240	—	C	
28W/12252	SP13/C	Washer, 2 BA	...	...	...	120	—	C	
28W/12306	SP15/B	Washer, 4 BA	...	...	...	265	—	C	
28W/12296	SP15/C	Washer, 2 BA	...	...	...	28	—	C	
28W/12346	SP10/B	Washer, 4 BA	...	...	...	56	—	C	
28W/12245	SP10/C	Washer, 2 BA	...	...	...	56	—	C	

RESTRICTED  
SERVICES  
THE BRITISH ANTARCTIC EXPEDITION  
METHYLL STATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	



FIRE EXTINGUISHER INSTALLATION  
METHYL BROMIDE

PLATE NO. 39  
ISSUE NO. 1

DATE	BY
1-1-58	...
1-1-58	...
1-1-58	...
1-1-58	...



FIRE EXTINGUISHER INSTALLATION  
MILITARY SERVICE

SHACKLETON Mk. 2

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL INSTALLATION ASSEMBLIES COMPLETE (P2895) (Pre-Mod. 491)</b>							
		<b>FUEL INSTALLATION ASSEMBLIES COMPLETE (32P2895) (Mod. 491)</b>							
		<b>FUEL SYSTEM IN FUSELAGE CENTRE PORTION, PORT AND STARBOARD (3&amp;4.P.2895)</b>							
		Spares for :— <b>INSTALLATION OF No. 1 FUEL TANK PORT AND STARBOARD (1&amp;2.P.2914)</b>							
		Spares for :—							
13575	121.D.3470	Bellows, filler neck ... ..				1	Rubber	C	70/1
13288	84.P.1888	Bolt, hex.hd, 2 BA filler neck to tank ...				12	S1	C	70/2
13270	5.SS.1979	Lead, bonding ... ..				1	—	C	
	10.P.2246	<b>NECK, FILLER, GROUP</b> ... ..				1	—		70/3
		Consisting of :—							
13428	11.P.2246	Arm, filler cap ... ..				1	L1 or L40	C	91/73
13535	9.P.2454	Cap, filler ... ..				1	L1 or L40	C	91/74
13427	8.P.2246	Eyebolt ... ..				1	S6	C	91/75
13424	4.P.2246	Neck, filler ... ..				1	—	C	91/76
13271	37.P.1888	Nut, clamping ... ..				1	S1	C	91/78
28P/837	SP4/Y/B.11	Pin, for arm ... ..				1	—	C	
28P/835	SP4/Y/B.9	Pin, for eyebolt ... ..				1	—	C	
28P/1213	AGS.166/4	Pin, split ... ..				1	—	C	
28P/5030	AGS.784/1	Pin, split ... ..				1	—	C	
13425	12.P.2246	Pivot, filler cap ... ..				1	S1	C	91/79
13277	35.P.1888	Washer, for pivot ... ..				1	S1	C	91/82
13278	36.P.1888	Washer, for pivot ... ..				1	L1 or L40	C	
13276	30.P.1888	Washer, filler cap ... ..				1	—	C	91/81
5394	5.P.1954	Pin, tank strap attachment ... ..				8	T45	C	70/4
4598	28.P.2910	<b>PIPE, FEED, 1" BORE, No. 1 TANK PUMP TO ACTUATOR, GROUP</b>				1	Flylite No. 4	C	71/5
	4.P.2914	<b>PIPE, DRAIN, 1/4" o/d x 22G, GROUP</b>				1	—		70/6
13430	1.SS.3837	Plate, locking ... ..				6	S24	C	70/7
	119.D.3470	Ring, clamping filler neck, top ... ..				1	L72		70/8
13576	122.D.3470	Ring, clamping filler neck, bottom ... ..				1	—	C	70/9
13577	123.D.3470	Socket, bonding ... ..				1	L33	C	70/10
14122	120.D.3470	<b>SPINNING, FILLER NECK, GROUP</b>				1	—	C	70/11
14008	1.P.1858	<b>STRAP, TANK FRONT, GROUP</b> ...				4	—	C	70/12
		Spares for :—							
13697	6.P.1858	Crosshead, RH ... ..				1	S2 or S11	C	70/13

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>INSTALLATION OF No. 1 FUEL TANK PORT AND STARBOARD (1&amp;2P2914)</b> (Cont'd)							
13382	2.P.1858	<b>STRAP, TANK REAR, GROUP ...</b>				4	—	C	70/14
		Spares for :—							
13698	7.P.1858	<b>Crosshead, LH ... ..</b>				1	S2 or S11	C	70/15
13213	9.P.1858	<b>Turnbuckle ... ..</b>				1	S2	C	70/16
4016	1.P.2912	<b>TANK, FUEL, No. 1, PORT GROUP</b> (See Tanks)				1	—	A	70/17
4017	2.P.2912	<b>TANK, FUEL, No. 1, STARBOARD GROUP</b> (See Tanks)				1	—	A	70/18
		<b>VENT AND DRAIN INSTALLATION, PORT AND STARBOARD (1&amp;2.P.2929)</b> Spares for :—							
13421	14.SS.3859	<b>Clip, pipe ... ..</b>				2	—	C	
13943	22.SS.3859	<b>Clip, pipe ... ..</b>				2	—	C	
32C/21	149.P.2437	<b>Hose, pipe joint 1" i/d x 1<math>\frac{3}{8}</math>" o/d x 2<math>\frac{3}{4}</math>" long</b>				1	BSS6F7	C	70/19
32C/24	345.P.2437	<b>Hose, pipe joint 1<math>\frac{1}{4}</math>" i/d x 1<math>\frac{5}{8}</math>" o/d x 2<math>\frac{1}{2}</math>" long</b>				1	BSS6F7	C	70/20
32C/24	128.P.2437	<b>Hose, pipe joint 1<math>\frac{1}{2}</math>" o/d x 1<math>\frac{7}{8}</math>" o/d x 2<math>\frac{1}{2}</math>" long</b>				5	BSS6F7	C	70/21
32C/21	361.P.2437	<b>Hose, pipe joint 1" i/d x 1<math>\frac{3}{8}</math>" o/d x 10<math>\frac{1}{4}</math>" long</b>				1	BSS6F7	C	70/22
7311	533.P.2437	<b>Pipe, filler drain tank access door to joint 17G x 1" o/d, port</b>				1	DTD323A	C	70/23
7312	534.P.2437	<b>Pipe, filler drain tank access door to joint 17G x 1" o/d x 21" long, starboard</b>				1	DTD323A	C	70/24
7319	541.P.2437	<b>Pipe, filler drain joint to filler neck 17G x 1" x 65" long, port</b>				1	DTD323A	C	70/25
7320	542.P.2437	<b>Pipe, filler drain joint to filler neck, starboard</b>				1	DTD323A	C	70/26
7336	587.P.2437	<b>Pipe, vent from elbow, port ... ..</b>				1	DTD323A	C	70/27
7422	12.P.2929	<b>Pipe, vent, 17G x 1<math>\frac{1}{2}</math>" o/d x 28" long, starboard</b>				1	DTD323A	C	70/30
7521	8.P.2929	<b>Pipe, vent tee, between engine ribs, outboard, 1<math>\frac{1}{2}</math>" o/d x 17G</b>				1	L54	C	
7372	14.P.2929	<b>Pipe, non-return valve to union, at front spar, port, <math>\frac{3}{16}</math>" o/d x 22G</b>				1	DTD323	C	
7371	13.P.2929	<b>Pipe, non-return valve to union, at front spar, starboard, <math>\frac{3}{16}</math>" o/d x 22G</b>				1	DTD323	C	
4407	483.P.2437	<b>Pipe, vent, c/w overload branch, at tank, starboard, 1<math>\frac{1}{2}</math>" o/d x 17G</b>				1	L54	C	
4406	478.P.2437	<b>Pipe, vent, c/w overload branch, at tank, port, 1<math>\frac{1}{2}</math>" o/d x 17G</b>				1	L54	C	
3850	387.P.2437	<b>Pipe, elbow, outboard, 1<math>\frac{1}{2}</math>" o/d x 17G</b>				1	L54	C	
27F/2843	VICKER'S A5426Mk.A	<b>Valve, non-return ... ..</b>				1	—	A	

SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM TO OVERLOAD DROP TANK IN FUSELAGE CENTRE PORTION (P2787)</b>							
		Spares for :—							
	11P2787	Bracket, mounting, fuel cock	...	...	1	L72		70/32	
	19F6170	Bracket, on spar for clamps	...	...	5	L72		70/33	
5492	15P2747	Bracket, support, vent pipe coupling	...	...	2	S3		70/34	
4897	15P2787	Clip, half, for coupling	...	...	2	—	C	70/35	
13420	10SS3859	Clip, for pipes, on spar	...	...	5	—	C	70/36	
13421	14SS3859	Clip, for pipes...	...	...	2	—	C	70/37	
4896	14P2787	Clip, half, for coupling	...	...	2	T35 & S3	C	70/38	
13112	12SS3264	Clip, for pipes	...	...	3	—	C	70/39	
27F/2151	AIRCRAFTINGS 2032Q	Cock, three way, complete with handle No. 1252/2			1	—	A	70/40	
27ZA/14	EXACTOR CONTROL Co. 5916	Couplings, 3/4" fuel pipes	...	...	1	—	C	70/41	
27ZA/15	EXACTOR CONTROL Co. 5919	Coupling, 1" vent pipe	...	...	1	—	C	70/42	
32C/18	9P2787	Hose, 3/4" bore x 1 1/8" o/d x 2 1/4" long	...	...	2	BSS6F7	C	70/43	
32C/21	8P2787	Hose, 1" bore x 1 3/8" o/d x 2 1/4" long	...	...	4	BSS6F7	C	70/44	
7367	19P2787	PIPE, FUEL, 3/4" o/d x 20G TO 3 WAY VALVE, GROUP			1	DTD323A	C	70/45	
7369	21P2787	PIPE, FUEL, 3/4" o/d x 20G TO NON-RETURN VALVE, GROUP			1	DTD323A	C	70/46	
7365	17P2787	PIPE, FUEL, 3/4" o/d x 20G TO 3 WAY VALVE, GROUP			1	DTD323A	C	70/47	
7366	18P2787	PIPE, FUEL, 3/4" o/d x 20G TO 3 WAY VALVE, GROUP			1	DTD323A	C	70/48	
7370	22P2787	PIPE, VENT, 1" o/d x 20G TO COUPLING, GROUP			1	DTD323A	C	70/49	
7368	20P2787	Pipe, vent, 1" o/d x 20G x 18" long	...	...	1	DTD323A	C	70/50	
7361	23P2787	Pipe, vent, 1" o/d x 20G x 72 1/2" long	...	...	1	DTD323A	C	70/51	
7364	26P2747	PIPE, FUEL, 3/4" o/d x 20G TO TANK, GROUP			1	DTD323A	C	70/52	
7363	25P2747	PIPE, FUEL, 3/4" o/d x 20G, ALONG SPAR, GROUP			1	DTD323A	C	70/53	
	24P2649	Pipe, vent, 1" o/d x 20G x 38" long	...	...	1	DTD323A		70/54	
27F/2155	SELF PRIMING PUMP Co. P.22.A	Valve, non-return	...	...	1	—	A	70/55	

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM IN FUSELAGE REAR CENTRE PORTION (2.P.2895)</b>							
		Spares for :—							
		<b>FUEL BALANCE PIPE AND ACTUATOR ALONG REAR SPAR IN FUSELAGE (P.2922)</b>							
		Spares for :—							
	7.P.2922	<b>BRACKET, MOUNTING CLIP FOR FUEL BALANCE PIPE, GROUP</b>				5	—		71/56
	8.P.2922	Bracket, mounting fuel cock actuator				1	L72		71/57
1704	15.SS.1862	Clip, half, for fuel pipe ... ..				5	—		71/58
	255.SS.4095	Clip, half, for fuel pipe ... ..				5	T35 & S3		71/59
	VICKERS								
	A5172 Mk. K	<b>COCK, FUEL, 1½" C/W ACTUATOR</b>							
		Consisting of :—							
27F/2235	A5192K	Cock, fuel ... ..				1	—	A	71/61
27F/2236	A5172/23	Coupling ... ..				1	—	C	71/62
5W/297	A5172/25	Actuator, Plessey CZ54709/5A ...				1	—	A	71/63
	4.P.2922	Fairlead, at fuselage, for fuel pipe ...				4	BSS668		71/64
	32.P.2910	<b>PIPE, FUEL BALANCE 1½" BORE STARBOARD, GROUP</b>				1	Flylite No. 4		71/65
	33.P.2910	<b>PIPE, FUEL BALANCE 1½" BORE PORT, GROUP</b>				1	Flylite No. 4		71/66

SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>FUEL SYSTEM INNER MAINPLANE, PORT AND STARBOARD (5&amp;6.P.2895)</b>									
Spares for :—									
9056	16.P.2895	<b>Adaptor</b> , for tee-piece between ribs 10-10A				1	—	C	70/67
	23.F.5332	<b>Bracket</b> , pipe clip ... ..				4	L72		70/68
2721	2.SS.3859	<b>Clip</b> , pipe ... ..				11	—	C	
	3.SS.3859	<b>Clip</b> , pipe ... ..				11	—		
	390.P.2437	<b>Hose</b> , pipe joint, ¼" i/d x ½" o/d x 2" long				1	BSS6F7		70/69
<b>MOUNTING, NITROGEN PRESSURE REDUCING VALVES, PORT AND STARBOARD (1&amp;2.P.2933)</b>									
(See Services—Nitrogen)									
7303	526.P.2437	<b>Pipe</b> , vent between ribs 13-16B, 17G x 1½" o/d x 5' 11" long				1	DTD323A	C	
7304	527.P.2437	<b>Pipe</b> , vent between ribs 10A-13, 17G x 1½" o/d x 4' 11" long				1	DTD323A	C	
7305	528.P.2437	<b>Pipe</b> , vent between ribs 8-10, 17G x 1½" o/d x 4' 9" long				1	DTD323A	C	
7306	529.P.2437	<b>Pipe</b> , vent tee-piece between ribs 10-10A, 17G x 1½" o/d				1	DTD323A	C	
7315	524.P.2437	<b>Pipe</b> , vent between ribs 2-6, 17G x 1½" o/d x 97" long				1	DTD323A	C	
3297	11.P.3002	<b>Pipe</b> , vent connecting piece at rib 17, 17G x 1½" o/d and 1½" o/d				1	L54	C	
7309	520.P.2437	<b>Pipe</b> , vent between ribs 1-2, 17G x 1½" o/d x 27" long, port				1	DTD323A	C	
7417	525.P.2437	<b>Pipe</b> , vent between ribs 1-2, 17G x 1½" o/d x 25" long, starboard				1	DTD323A	C	
7418	28.P.2895	<b>Pipe</b> , vent branch at rib 7, 17G x 1½" o/d, port				1	DTD323A	C	
7520	18.P.2895	<b>Pipe</b> , vent branch at rib 7, 17G x 1½" o/d, starboard				1	L54	C	
7321	548.P.2437	<b>Pipe</b> , vent 17G 1½" o/d x 28" long ... ..				1	DTD323A	C	
<b>VENT AND DRAIN No. 2 TANK, PORT AND STARBOARD (10 &amp; 11P2920) (Mod. 643)</b>									
Spares for :—									
	245.P.3053	<b>Hose</b> , pipe joint, 1" i/d x 1⅜" o/d x 2¼" long				2	DTD625A		70/19
7313	521.P.2437	<b>Pipe</b> , drain, 17G x 1" o/d x 42" long ...				1	DTD323A	C	70/70
7314	522.P.2437	<b>Pipe</b> , drain, 17G x 1" o/d x 42" long ...				1	DTD323A	C	76/71
	5.P.2920	<b>Pipe</b> , drain, 20G x 1" o/d ... ..				1	L54	C	70/72
3491	137.P.2190	<b>Pipe</b> , drain, 20G x 1" o/d ... ..				1	DTD310	C	70/73

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM, IN FUSELAGE CENTRE PORTION TRAILING EDGE, PORT AND STARBOARD (7&amp;8.P.2895)</b>							
		Spares for:—							
26DC/1628	253.SS.4095	Clip, half, for pipe on rib No. 25 & 31 ...				2	—	C	71/75
7499	213.SS.4095	Clip, half, for pipe on rib No. 25... ..				1	—	C	71/76
1704	15.SS.1862	Clip, half, for pipe on rib No. 25 & 31 ...				2	—	C	71/58
1640	11.SS.1862	Clip, half, for pipe on rib No. 25... ..				1	—	C	71/77
5175	19.P.2895	Fairlead, half, for pipe on rib No. 24 ...				4	BSS668	C	71/78
	20.P.2895	<b>FAIRLEAD, FOR PIPE ON RIB No. 24 COMPLETE, PORT GROUP</b>				1	—		71/79
		Consisting of:—							
	20a.P.2895	Fairlead, half ... ..				1	BSS668		
	20b.P.2895	Fairlead, half ... ..				1	BSS668		
	25.P.2895	<b>FAIRLEAD, FOR PIPE ON RIB No. 24 STARBOARD, GROUP</b>				1	—		71/74
		Consisting of:—							
	25a.P.2895	Fairlead, half ... ..				1	—		
	25b.P.2895	Fairlead, half ... ..				1	—		
		<b>FUEL SYSTEM BETWEEN RIBS 27-30 (1&amp;2.P.2926)</b>							
		Spares for:—							
4385	13.SS.3564	Adaptor, reducing at junction box ...				1	—	C	71/80
4386	17.P.2909	Bolt, attachment of fuel cock to mounting bracket				6	S96	C	71/81
4882	1.P.3010	<b>BOX, JUNCTION (FUEL MANIFOLD) PORT, GROUP</b>				1	—	B	71/82
4883	2.P.3010	<b>BOX, JUNCTION (FUEL MANIFOLD) STARBOARD, GROUP</b>				1	—	B	71/83
		Consisting of:—							
28F/12747	AGS1105/J	Adaptor, union, 1¼" BSF ... ..				2	—	C	71/84
10700	5.P.3010	Coupling, pipe ... ..				1	—	C	
	3.P.3010	Manifold, fuel, port ... ..				1	L33		
	4.P.3010	Manifold, fuel, starboard ... ..				1	L33		
28F/9655	AGS1138/J	Washer, jointing ... ..				3	—	C	
	15.P.2926	<b>BRACKET, MOUNTING FUEL COCK, PORT, GROUP</b>				1	—		71/85
		<b>ALTERNATIVE</b>							
	35.P.2926	<b>BRACKET, MOUNTING FUEL COCK, PORT, GROUP</b>				1	—		71/86
	16.P.2926	<b>BRACKET, MOUNTING FUEL COCK, STARBOARD, GROUP</b>				1	—		71/87
		<b>ALTERNATIVE</b>							
	34.P.2926	<b>BRACKET, MOUNTING FUEL COCK, STARBOARD, GROUP</b>				1	—		71/88
	28.P.2909	Bracket, angle, rib 25 ... ..				2	L72		71/89
	36.P.2926	Bracket, mounting N.R. valve ... ..				1	L72		71/90
	40.P.2926	Bracket, mounting fuel manifold ... ..				1	L72		71/91
	43.P.2926	Bracket, mounting fuel manifold at rear spar				1	L72		71/92
	44.P.2926	Bracket, mounting fuel manifold at rear spar				1	L72		71/93
	49.P.2926	<b>BRACKET, CLIP FOR ACTUATOR ATTACHMENT, STARBOARD, GROUP</b>				1	—		71/94
	48.P.2926	Clip, for bracket, starboard ... ..				1	L72		71/95

SHACKLETON Mk. 2

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>FUEL SYSTEM BETWEEN RIBS 27-30 (1&amp;2.P.2926) (cont'd)</b>									
	Vickers A5172 Mk. J	<b>COCK, FUEL, 1¼" C/W ACTUATOR</b>							71/96
		Consisting of :—							
27F/2234	A5192J	Cock, fuel	...	...	...	1	—	A	71/97
27F/2236	A5172/23	Coupling	...	...	...	1	—	C	71/62
5W/297	A5172/25	Actuator, Plessey CZ54709/5A	...	...	...	1	—	A	71/63
	Vickers A5172 Mk. K	<b>COCK, FUEL, 1½" C/W ACTUATOR</b>							71/60
		Consisting of :—							
27F/2235	A5192K	Cock, fuel	...	...	...	1	—	A	71/61
27F/2236	A5172/23	Coupling	...	...	...	1	—	C	71/62
5W/297	A5172/25	Actuator, Plessey CZ54709/5A	...	...	...	1	—	A	71/63
ALTERNATIVE									
	VICKERS A5336. Mk. K	<b>COCK, FUEL 1½" C/W ACTUATOR</b>				2	—		
		Consisting of :—							
27F/2235	A5192/K	Cock, fuel	...	...	...	1	—	A	
27F/2236	A5172/23	Coupling	...	...	...	1	—	C	
5W/298	A5336/1	Actuator, Weston EJ 60 Mk. 8	...	...	...	1	—	A	
	33.P.2926	<b>FAIRLEAD, FOR FUEL PIPES AT RIB No. 27, PORT, GROUP</b>				1	BSS668		71/98
		Consisting of :—							
	33a.P.2926	Fairlead, half	...	...	...		BSS668		
	33b.P.2926	Fairlead, half	...	...	...		BSS668		
	38.P.2926	<b>FAIRLEAD, FOR FUEL PIPES AT RIB No. 27, STARBOARD, GROUP</b>				1	BSS668		71/99
		Consisting of :—							
	38a.P.2926	Fairlead, half	...	...	...	1	BSS668		
	38b.P.2926	Fairfield, half	...	...	...	1	BSS668		
	47.P.2926	Fairlead, half, for fuel pipe at rib No. 29				2	BSS668		71/100
	39.P.2926	<b>FAIRLEAD, FOR FUEL PIPE AT RIB No. 28, GROUP</b>				1	BSS668		71/101
		Consisting of :—							
	39a.P.2926	Fairlead, half	...	...	...	1	BSS668		
	39b.2926	Fairlead, half	...	...	...	1	BSS668		
	18.P.2909	Fairlead, half, at rib No. 30				2	BSS668		71/102

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM BETWEEN RIBS 27-30 (1&amp;2.P.2926) (cont'd)</b>							
4687	1.P.3008	<b>MANIFOLD, FUEL, BETWEEN RIBS No. 28-29, PORT, GROUP</b>				1	—	C	71/103
4688	2.P.3008	<b>MANIFOLD, FUEL, BETWEEN RIBS No. 28-29, STARBOARD, GROUP</b>				1	—	C	71/104
		Consisting of:—							
	AGS.1105/J	Adaptor, union, 1 $\frac{1}{4}$ " BSP ... ..				3	—		
	AGS.1105/K	Adaptor, union, 1 $\frac{1}{2}$ " BSP ... ..				1	—		
	3.P.3008	Body, manifold, port ... ..				1	L33		
	4.P.3008	Body, manifold, starboard ... ..				1	L33		
	11.P.2911	Bolt, hex.hd, 2 BA ... ..				8	S96		
28Y/11843	5.P.3008	Coupling, pipe ... ..				1	—		71/105
	AS.2573	Valve, drain ... ..				1	—	C	71/106
	AGS1138/J	Washer, jointing ... ..				3	—		
	AGS1138/K	Washer, jointing ... ..				2	—		
	SP.13/C	Washer, 2 BA ... ..				8	—		
4379	8.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{4}</math>" BORE, JUNCTION BOX TO NON-RETURN VALVE, PORT, GROUP</b>				1	Flylite No. 4	B	71/107
	9.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{4}</math>" BORE, JUNCTION BOX TO NON-RETURN VALVE, STARBOARD, GROUP</b>				1	Flylite No. 4		71/108
4381	11.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{4}</math>" BORE MANIFOLD TO JOINT IN U/C VALANCE, PORT, GROUP</b>				1	Flylite No. 4	B	71/109
382	12.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{4}</math>" BORE MANIFOLD TO JOINT IN U/C VALANCE, STARBOARD, GROUP</b>				1	Flylite No. 4	B	71/110
7583	15.P.3150	<b>PIPE, FUEL, 1<math>\frac{1}{2}</math>" BORE, JUNCTION BOX TO MANIFOLD, PORT, GROUP (Mod. 787)</b>				1	Flylite No. 4	B	71/111
7474	16.P.3150	<b>PIPE, FUEL, 1<math>\frac{1}{2}</math>" BORE, JUNCTION BOX TO MANIFOLD, STARBOARD, GROUP (Mod. 787)</b>				1	Flylite No. 4	B	71/112
14213	26.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{2}</math>" BORE MANIFOLD TO JOINT AT WING ROOT, GROUP</b>				1	Flylite No. 4	B	71/113
	34.P.2910	<b>PIPE, FUEL, 1<math>\frac{1}{4}</math>" BORE, MANIFOLD TO ACTUATOR IN OUTBOARD TRAILING EDGE, GROUP</b>				1	Flylite No. 4		71/114
4718	45.P.2926	<b>PIPE, BRANCH, MANIFOLD TO NON-RETURN VALVE. PORT, GROUP</b>				1	—	C	71/115
4719	46.P.2926	<b>PIPE, BRANCH, MANIFOLD TO NON-RETURN VALVE, STARBOARD, GROUP</b>				1	—	C	71/116
27F/2152	Self Priming Pump & Eng. Co. P.24.A	Valve, non-return ... ..				2	—		71/117

SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM IN OUTBOARD TRAILING EDGE, PORT AND STARBOARD (9&amp;10P2895)</b>							
		Spares for :—							
		<b>FUEL PIPES IN OUTBOARD TRAILING EDGE, PORT AND STARBOARD (1&amp;2P2909)</b>							
		Spares for :—							
	85.SS.3553	<b>Adaptor</b> , between N.R. valve and fuel cock				1	—		71/118
4386	17.P.2909	<b>Bolt</b> , attachment of fuel cock mounting bracket				6	S96	C	71/81
	47.P.2909	<b>Bracket</b> , intercostal centre, port ...				1	L72		71/119
	48.P.2909	<b>Bracket</b> , intercostal centre, starboard...				1	L72		71/120
5174	35.P.2909	<b>Bracket</b> , mounting fuel cock, port ...				1	L72	C	71/121
	36.P.2909	<b>Bracket</b> , mounting fuel cock, starboard				1	L72		71/122
	28.P.2909	<b>Bracket</b> , angle, pipe, clip ...				2	L72		71/89
	63.P.2909	<b>Bracket</b> , angle, cock ...				1	L72		71/123
	58.P.2909	<b>Bracket</b> , clip, pipe, rib 8 ...				1	—		71/124
1640	11.SS.1862	<b>Clip</b> , half, for pipe bracket ...				1	—	C	71/77
1704	15.SS.1862	<b>Clip</b> , half, for pipe, ribs 3 and 5 ...				2	—	C	71/58
26DC/1627	252.SS.4095	<b>Clip</b> , half, for pipe, ribs 3 and 5 ...				2	—	C	71/125
	Vickers A5172 Mk. J	<b>COCK, FUEL, 1½" C/W ACTUATORS</b>				2	—		71/96
		Consisting of :—							
27F/2234	A5192J	<b>Cock</b> , fuel ...				1	—	A	71/97
27F/2236	A5172/23	<b>Coupling</b> ...				1	—	C	71/62
5W/297	A5172/25	<b>Actuator</b> , Plessey CZ54709/5A ...				1	—	A	71/63
		ALTERNATIVE							
	VICKERS A5336 Mk. K	<b>COCK, FUEL 1½" C/W ACTUATOR</b>				2	—		
		Consisting of :—							
27F/2235	A5192K	<b>Cock</b> , fuel ...				1	—	A	
27F/2236	A5172/23	<b>Coupling</b> ...				1	—	C	
5W/298	A5336/1	<b>Actuator</b> , Weston EJ60 Mk. 8 ...				1	—	A	
	18.P.2909	<b>Fairlead</b> , half, for pipes at rib No. 1 and 4				4	BSS668		71/102
	19.P.2909	<b>Fairlead</b> , half, for pipe, rib 6 ...				2	BSS668		71/126
	59.P.2909	<b>Fairlead</b> , half, for pipe, rib 7 ...				2	BSS668		71/127
	56.P.2909	<b>Fairlead</b> , half, for pipe to manifold, rib No. 1				1	BSS668		71/128
	57.P.2909	<b>Fairlead</b> , half, for pipe to manifold, rib No. 1				1	BSS668		71/129
	5a.P.2909	<b>Fairlead</b> , half, for pipe at rib No. 2 ...				1	BSS668		71/130
	45b.P.2909	<b>Fairlead</b> , half, for pipe at rib No. 2 ...				1	BSS668		71/131
	3.P.2909	<b>Intercostal</b> , between ribs 6 and 7 aft of fuel cock				1	L72		71/132
	52.P.2909	<b>Intercostal</b> , between ribs 1 and 2 port...				1	L72		71/133
	53.P.2909	<b>Intercostal</b> , between ribs 1 and 2 starboard				1	L72		71/134
	50.P.2909	<b>Intercostal</b> , mounting fuel cock between ribs 1 and 2 port				1	L72		71/135
	51.P.2909	<b>Intercostal</b> , mounting fuel cock between ribs 1 and 2 starboard				1	L72		71/136

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL PIPES IN OUTBOARD TRAILING EDGE, PORT AND STARBOARD (1&amp;2.P.2909) (Cont'd)</b>							
	4.P.2909	Intercostal, between ribs 6 and 7 forward of fuel cock				1	L72		71/137
	61.P.2909	INTERCOSTAL MOUNTING BRACKET FOR FUEL COCK, PORT, GROUP				1	—		71/138
	60.P.2909	INTERCOSTAL, MOUNTING BRACKET FOR FUEL COCK, STARBOARD, GROUP				1	—		71/139
	1.P.3011	MANIFOLD, FUEL BETWEEN RIBS 6 AND 7, PORT, GROUP				1	—		71/140
	2.P.3011	MANIFOLD, FUEL BETWEEN RIBS 6 AND 7, STARBOARD, GROUP				1	—		71/141
		Consisting of :—							
28F 12474	AGS1105/J	Adaptor, union, 1½" BSP				1	—	C	
28F/12193	AGS1105/K	Adaptor, union, 1½" BSP				1	—	C	
	3.P.3011	Body, manifold, port				1	L33		
	4.P.3011	Body, manifold, starboard				1	L33		
7814	5.P.3011	Coupling, pipe				1	—	C	71/142
28F/9655	AGS1138/J	Washer, jointing				2	—	C	
28F/10500	AGS1138/K	Washer, jointing				1	—	C	
9035	2.P.2910	PIPE, FUEL, 1½" BORE, FROM MANIFOLD TO JOINT IN CENTRE SECTION T/E, GROUP				1	Flylite No. 4	C	71/143
7516	3.P.2910	PIPE, FUEL, 1½" BORE, FROM MANIFOLD TO ACTUATOR IN OUTBOARD, NACELLE, PORT, GROUP				1	Flylite No. 4	C	71/144
7277	4.P.2910	PIPE, FUEL, 1½" BORE, FROM MANIFOLD TO ACTUATOR IN OUTBOARD NACELLE, STARBOARD, GROUP				1	Flylite No. 4	C	71/145
9033	29.P.2910	PIPE, FUEL, 1½" BORE FROM No. 2 TANK PUMP TO ACTUATOR IN TRAILING EDGE, GROUP				1	Flylite No. 4	C	71/146
9034	30.P.2910	PIPE, FUEL, 1½" BORE FROM No. 3 TANK PUMP TO ACTUATOR IN TRAILING EDGE, GROUP				1	Flylite No. 4	C	71/147
	65.P.2909	PIPE, BETWEEN ADAPTORS AT FUEL COCK, 20G x 1½" o/d, GROUP				1	—		71/148
27F/2152	Self Priming Pump & Eng. Co. P.24.A	Valve, non-return				2	—	A	71/117

SHACKLETON Mk. 2

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM, INBOARD ENGINE, NACELLE, PORT AND STARBOARD (11&amp;12.P.2895)</b>							
		Spares for :—							
7935	6.SS.1862	Clip, half, for flexible pipe (Mod. 491)	...	...	...	2	—		
2453	9.SS.3316	Clip, for flexible pipe (Mod. 491)	...	...	...	1	—	C	
	1.SS.3859	Clip, for pipe to vent valve (Mod. 491)	...	...	...	2	—	C	
1487	5.E.2560	<b>COUPLING, PIPE, FILTER AT BULK-HEAD, GROUP</b>				1	—	C	70/149
	G.SS.226	Eyebolt, for flexible pipe clip	...	...	...	1	—		
28J/12806	AS.3250	Filter, fuel, at bulkhead	...	...	...	1	—	B	70/150
		<b>FUEL PIPES IN U/C VALANCE, PORT OUTBOARD AND STARBOARD INBOARD (1&amp;2.P.2921)</b>							
		Spares for :—							
4399	14.SS.3564	Adaptor, fuel pipe to filter	...	...	...	1	—	C	70/151
3840	316.P.2437	Block, tufnol, .5" dia. x .6" long for pipe clip	...	...	...	3	BSS668	C	72/506
13109	10.SS.3264	Clip, pipe port	...	...	...	2	L72		
13112	12.SS.3264	Clip, pipe, starboard	...	...	...	2	L72	C	
13569	26.SS.3264	Clip, pipe	...	...	...	2	L72	C	
1640	11.SS.1862	Clip, half, for pipe	...	...	...	5	—	C	70/77
	214.SS.4095	Clip, half, for pipe	...	...	...	5	—		70/152
	6.P.2921	Fairlead, half, for fuel pipe	...	...	...	2	BSS668		70/153
		<b>MOUNTING, FUEL COCK AND ACTUATOR (E.2777)</b>							
		Spares for :—							
	Vickers A5172 Mk. J	<b>COCK, FUEL, 1 1/4" C/W ACTUATORS</b>							70/96
		Consisting of :—							
27F/2234	A5192J	Cock, fuel	...	...	...	1	—	A	70/97
27F/2236	A5172/23	Coupling	...	...	...	1	—	C	70/62
5W/297	A5172/25	Actuator, Plessey CZ54709/5A	...	...	...	1	—	A	70/63
		ALTERNATIVE							
	VICKERS A5336 Mk. K	<b>COCK, FUEL 1 1/2" C/W ACTUATOR</b>				1	—		
		Consisting of :—							
27F/2235	A5192K	Cock, fuel	...	...	...	1	—	A	
27F/2236	A5172/23	Coupling	...	...	...	1	—	C	
5W/298	A5536/1	Actuator, Weston EJ60 Mk. 8	...	...	...	1	—	A	
4400	15.SS.3564	Piece, tee, pipe connection in U/C valance port	...	...	...	1	—	C	70/154
4401	16.SS.3564	Piece, tee, pipe connection in U/C valance, starboard	...	...	...	1	—	C	70/155
4394	13.P.2910	<b>PIPE, FUEL, 1 1/4" BORE, FROM ACTUATOR TO FILTER ON ENGINE BULKHEAD, GROUP</b>				1	—		70/156
4395	18.P.2910	<b>PIPE, FUEL, 1 1/4" BORE, JOINT TO TEE-PIECE, GROUP</b>				1	Flylite No. 4	B	70/157

**SERVICES**  
**FUEL INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL PIPES IN U/C VALANCE, PORT OUTBOARD AND STARBOARD INBOARD (1&amp;2.P.2921) (Cont'd)</b>							
4396	19.P.2910					1	Flylite No. 4	B	70/158
4397	20.P.2910					1	Flylite No. 4	B	72/211
4596	37.P.2910					1	Flylite No. 4	B	72/212
		<b>FUEL, PRIMING AND PUMP DRAIN INBOARD ENGINE, PORT AND STARBOARD (1&amp;2.P.2927)</b> (See Boost and Doper) Spares for :—							
3909	155.P.2315					1	BSS668	C	72/199
	174.P.2190					1	DTD213		72/201
2453	1.SS.3859					2P 4S		C	
2721	2.SS.3859					1	—	C	
13091	2.SS.3264					2	L72	C	
13092	4.SS.3264					1	L72	C	
13109	10.SS.3264					1	L72	C	
13112	12.SS.3264					1	L72	C	
13183	24.SS.3264					1	L72	C	
	8.SS.1862					1	—		72/202
	8.SS.1863					1	—		72/203
	4.P.2927					1	—		72/204
		<b>FAIRLEAD, DRAIN PIPES, GROUP</b> Consisting of :—							
28D/1011011	A25/8B					2	—	C	
	4b.P.2927					1	DTD213		
	4a.P.2927					2	BSS668		
28M/10287	AGS.2001/B/1					2	—	C	
28W/9419401	SP.10/B					2	—	C	
4581	98.SS.3557					1	—	C	72/208
4402	99.SS.3557					1	—	C	72/209
	14.P.2927					1	—		72/311
		<b>PIPE, DRAIN, FROM FUEL HEATER PUMP, STARBOARD, 22G x <math>\frac{3}{16}</math>" o/d, GROUP</b> (See Fuel Installation, Heaters)							

SHACKLETON Mk. 2

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL, PRIMING AND PUMP DRAIN INBOARD ENGINE, PORT AND STARBOARD (1&amp;2.P.2927) (Cont'd)</b>							
	543.P.2437				<b>PIPE, DRAIN, FROM PRIMING PUMP, 22G x <math>\frac{3}{16}</math>" o/d, GROUP</b> (See Boost and Doper)	1	DTD323A		72/266
5607	11.P.2927				<b>PIPE, NON-RET VALVE TO PRIMING VALVE, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b> (Mod. 454)	1	T7	C	
1770	239.P.2437				<b>PIPE, PRIMING, VALVE TO BULK-HEAD CONNECTION, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b> (Pre Mod. 454) (See Boost and Doper)	1	—	C	72/262
5606	10.P.2927				<b>PIPE, PRIMING VALVE TO BULK-HEAD CONNECTION, 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b> (Mod. 454)	1	T7	C	
	2.P.2897				<b>PIPE, FUEL, PRESSURE SWITCH TO TEE 22G x <math>\frac{1}{4}</math>" o/d, GROUP</b> (See Boost and Doper)	1	—		72/213
	12.P.2927				<b>PIPE, PRIMING PUMP TO TEE 22G x <math>\frac{3}{8}</math>" o/d, STARBOARD, GROUP</b> (See Boost and Doper)	1	DTD323A		72/263
	13.P.2927				<b>PIPE, FUEL PUMP TO TEE 22G x <math>\frac{1}{2}</math>" o/d, STARBOARD, GROUP</b> (See Boost and Doper)	1	DTD323A		72/264
	37.P.2897				<b>PIPE, PRIMING PUMP TO ADAPTOR 22G x <math>\frac{3}{8}</math>" o/d PORT, GROUP</b> (See Boost and Doper)	1	—		72/246
SUE/5648	—				<b>Pump, fuel heater, starboard ... ..</b> (See Fuel Installation, Heaters)	1	—	A	72/330
SUE/5057	—				<b>Pump, doper, fuel priming ... ..</b> (See Boost and Doper)	1	—	A	72/267
5C/ SUE/5344	Smiths 157/1.PG —				<b>Switch, fuel pressure ... ..</b>	1	—	A	72/268
					<b>Valve, doper, fuel priming ... ..</b> (See Boost and Doper)	1	—	A	72/269
					<b>MOUNTING, FUEL FILTER (P.2786)</b> Spares for :—				
7122	3.P.2515				<b>Bracket, support filter ... ..</b>	1	L72	C	70/159
3916	8.P.2515				<b>Clip, mounting bracket (10.SS.1861 tube <math>\frac{3}{4}</math>" long)</b>	2	S3 & T35	C	70/160



SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM, OUTBOARD ENGINE NACELLE, PORT AND STARBOARD (13&amp;14.P.2895)</b>							
		Spares for :—							
		<b>FUEL AND PRIMING SYSTEM, PORT AND STARBOARD (P.2917 &amp; 2918)</b>							
		Spares for :—							
4399	14.SS.3564	<b>Adaptor</b> , reducing fuel pipe to filter ...				1	—	C	70/151
3909	155.P.2315	<b>Block</b> , clamping, priming valve to bulk-head (See Boost and Doper)				1	BSS668	C	
	30.SS.3318	<b>Bonding</b> , clamping block (See Boost and Doper)				1	—		
4386	17.P.2909	<b>Bolt</b> , attachment of fuel cock mounting bracket				3	S96	C	70/81
	350.P.2437	<b>BRACKET, FOR PIPE CLIPS, AT TEE-PIECE, GROUP</b>				1	—		70/161
	351.P.2437	<b>Bracket</b> , pipe clip, port ...				2	S3 & T45		70/162
	3.P.2917	<b>Bracket</b> , mounting fuel cock ...				1	L72		70/163
5395	4.P.2917	<b>Clip</b> , mounting, cock bracket ...				2	T35 & S3	C	70/164
397	5.P.2917	<b>Clip</b> , half mounting, cock bracket ...				1	T35 & S3	C	70/165
7121	6.P.2917	<b>Clip</b> , half, for fuel pipe ...				2	T35 & S3	C	70/166
13569	26.SS.3264	<b>Clip</b> , fuel pipe ...				3	—	C	
13183	24.SS.3264	<b>Clip</b> , vent pipe ...				3	—	C	
13093	8.SS.3264	<b>Clip</b> , vent pipe ...				5P	—	C	70/167
						2S			70/168
13711	10.SS.1861	<b>Clip</b> , fuel pipe, port ...				1	—	C	
	481.P.2437	<b>Clip</b> , fuel pipe, starboard ...				1	—		
1704	15.SS.1862	<b>Clip</b> , half, for fuel pipe ...				2	—	C	70/58
13327	10.SS.1862	<b>Clip</b> , half, for fuel pipe ...				1	—	C	70/169
2721	2.SS.3859	<b>Clip</b> , pipe, 3/8" o/d ...				2P	—	C	
						2S			
	Vickers A5172 Mk. J	<b>COCK, FUEL, 1 1/2" C/W ACTUATORS</b>							70/96
		Consisting of :—							
27F/2234	A5192J	<b>Cock</b> , fuel ...				1	—	A	70/97
27F/2236	A5172/23	<b>Coupling</b> ...				1	—	C	70/62
5W/297	A5172/25	<b>Actuator</b> , Plessey CZ54709/5A ...				1	—	A	70/63
1487	5.E.2560	<b>COUPLING, PIPE TO FILTER AT BULKHEAD, GROUP</b>				1	—	C	70/149
28J/12806	AS.3250	<b>Filter</b> , fuel, at bulkhead ...				1	—	B	70/150
		<b>MOUNTING, FUEL FILTER (P.2786)</b>							
		Spares for :—							
7122	3.P.2515	<b>Bracket</b> , support, filler ...				1	L72	C	70/159
3916	8.P.2515	<b>Clip</b> , mounting, bracket (10.SS.1861) tube, 3/4" long)				2	T35 & S3	C	70/160
5614	6.P.2918	<b>Mounting</b> , plate 6.25" x 5" (Mod. 454) ...				1	L72	C	
5613	11.P.2917	<b>Mounting</b> , plate 5.5" x 4" (Mod. 454) ...				1	L72	C	

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL AND PRIMING SYSTEM, PORT AND STARBOARD (P.2917 &amp; P. 2918) (Cont'd)</b>							
3917	364.P.2437	<b>PIECE, TEE, FOR DOPER PIPE CONNECTION, GROUP (Pre Mod. 454)</b>				1	—	C	
	364a.P.2437	Consisting of :—							
	28d.E.1217	Piece, tee	...	...	...	1	—		
		Restrictor	...	...	...	1	B11		
4410	5.P.2910	<b>PIPE, FUEL, 1/4" BORE, ACTUATOR TO FUEL FILTER, PORT, GROUP</b>				1	Flylite No. 4	B	70/170
4411	6.P.2910	<b>PIPE, FUEL, 1/4" BORE, ACTUATOR TO FUEL FILTER, STARBOARD, GROUP</b>				1	Flylite No. 4	B	70/171
4412	15.P.2910	<b>PIPE, VENT, DOPER, 1/4" BORE, PORT, GROUP</b>				1	Flylite No. 4	B	70/172
4413	16.P.2910	<b>PIPE, VENT, DOPER, 1/4" BORE, STARBOARD, GROUP</b>				1	Flylite No. 4	B	70/173
1787	40.P.2483	<b>PIPE TO DOPER VALVE 22G x 1/4" o/d, PORT, GROUP (Pre Mod. 545) (See Boost and Doper System)</b>				1	—	C	72/247
	10.P.2918	<b>PIPE, N.R. VALVE TO DOPER VALVE, 1/4" o/d x 22G, GROUP (Mod. 454)</b>				1	DTD323A		
5609	9.P.2917	<b>PIPE, DOPER TO N.R. VALVE, 1/4" o/d x 22G, GROUP (Mod. 454)</b>				1	DTD323A	C	
1790	45.P.2483	<b>PIPE, TO DOPER VALVE 22G x 1/4" o/d, STARBOARD, GROUP (Pre Mod. 454) (See Boost and Doper System)</b>				1	—	C	7/250
5610	4.P.2918	<b>PIPE, DOPER VALVE TO N.R. VALVE 1/4" o/d x 22G, GROUP (Mod. 454)</b>				1	T7	C	
5611	5.P.2918	<b>PIPE N.R. VALVE TO BULKHEAD 1/4" o/d x 22G, GROUP (Mod. 454)</b>				1	T7	C	
5612	10.P.2917	<b>PIPE, N.R. TO PRESSURE VALVE 3-56" x 1" x 1-075", GROUP (Mod. 454)</b>				1		C	
1793	64.P.2483	<b>PIPE, TEE-PIECE TO COUPLING 22G x 1/4", PORT, GROUP (See Boost and Doper System)</b>				1	—	C	72/258
1794	65.P.2483	<b>PIPE, TEE TO DOPER VALVE 22G x 1/4" STARBOARD, GROUP (See Boost and Doper System)</b>				1	—	C	72/259
1795	66.P.2483	<b>PIPE, TEE TO COUPLING, 22G x 1/4" o/d, STARBOARD, GROUP (See Boost and Doper System)</b>				1	—	C	72/260
1839	67.P.2483	<b>PIPE, TEE TO DOPER VALVE, 22G x 1/4" o/d, STARBOARD, GROUP (See Boost and Doper System)</b>				1	—	C	72/261

SHACKLETON Mk. 2

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL AND PRIMING SYSTEM, PORT AND STARBOARD (P2917 &amp; P2918)</b> (Cont'd)							
9026	23P3053				Pipe, flexible, at vent valve (Mod. 491) ...	1	—	C	
5608	8P2917				<b>PIPE, DOPER VALVE TO NON-RETURN VALVE, GROUP</b> (See Boost and Doper System)	1	T7	C	
	13P2917				<b>PIPE, VENT BULKHEAD ADAPTOR TO NON-RETURN VALVE,</b> $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 643)	1	DTD323		
	14P2917				<b>PIPE, VENT, NON-RETURN VALVE TO JUNCTION PIPE, BELOW DOPER VALVE,</b> $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 643)	1	DTD323		
27F/2661	SAUNDER'S N.1002				Valve, non-return, at junction pipe below doper valve	1	—	A	
27F/2673	SAUNDER'S 702.AA.02				Valve, non-return, above doper valve ... (See Boost and Doper System)	1	—	A	
27F/2843	VICKERS A5426.ML.A. ROLLS ROYCE GN.23885				Valve, non-return, in vent line (Mod. 491)	1	—	A	
36HH/12823 5UE/4344	—				Valve, vent (Mod. 491) ... .. Valve, doper ... ..	1 1	— —	A A	72/269



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## FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>TANK, FUEL INSTALLATION, No. 2, 3, AND 4, INNER MAINPLANE, PORT AND STARBOARD (1 &amp; 2P2932)</b>							
		Spares for :—							
7016	3P2302	Bracket, location, fuel contents gauge, No. 2 tank				1	L72	C	71/174
	7P2319	Bracket, location, fuel contents gauge, No. 3 tank				1	L72		71/175
4724	3P2932	Cock, drain, $\frac{1}{4}$ " BSP, No. 2 and 4 tank ... (Rotherham D.4)				2	—	A	71/176
	1F6797	<b>DIAPHRAGM, BETWEEN No. 2 AND 3 FUEL TANK, PORT, GROUP</b>				1	—		70/177
	2F6797	<b>DIAPHRAGM, BETWEEN No. 2 AND 3 FUEL TANK, STARBOARD, GROUP</b>				1	—		70/178
		<b>INSTALLATION OF FUEL PUMPS, No. 2 AND 3 TANKS (3 &amp; 4P2911) (Pre-Mod. 643)</b>							
		<b>INSTALLATION OF FUEL PUMPS, No. 2 &amp; 3 TANKS (25P2911) (Mod. 643)</b>							
		Spares for :—							
5018	12P2911	Bolt, hex.hd, 2 BA x 1.5" long attachment of No. 3 tank pump				8	S96	C	71/179
5020	14P2911	Bolt, hex.hd, 2 BA x 2.7" long attachment of No. 3 tank pump				4	S96	C	71/180
5019	13P2911	Bolt, hex.hd, 2 BA x 2.1" long attachment of No. 2 tank pump				4	S96	C	71/181
5021	15P2911	Bolt, hex.hd, 2 BA x 1.0" long attachment of No. 2 tank pump				8	S96	C	71/182
5075	14P2915	Packer, for pump, No. 3 tank ...				1	DTD363A	C	71/183
4574	2P2911	<b>PIPE, DRAIN PUMP, No. 2 TANK <math>\frac{1}{4}</math>" o/d x 22G, GROUP (Pre-Mod. 643)</b>				1	—	C	71/184
7976	22P2911	<b>PIPE DRAIN PUMP No. 2 TANK <math>\frac{1}{2}</math>" o/d x 22G, GROUP (Mod. 643)</b>				1	DTD323A	C	71/184
4577	5P2911	<b>PIPE, DRAIN PUMP, No. 3 TANK <math>\frac{1}{4}</math>" o/d x 22G, PORT, GROUP (Pre-Mod. 643)</b>				1	—	C	71/185
7977	23P2911	<b>PIPE, DRAIN PUMP, No. 3 TANK <math>\frac{1}{4}</math>" o/d x 22G, PORT GROUP (Mod. 643)</b>				1	DTD323A	C	71/185
4597	10P2911	<b>PIPE, DRAIN PUMP, No. 3 TANK <math>\frac{1}{4}</math>" o/d x 22G, STARBOARD, GROUP (Pre-Mod. 643)</b>				1	—	C	71/186
7978	24P2911	<b>PIPE, DRAIN PUMP, No. 3 TANK <math>\frac{1}{4}</math>" o/d x 22G, STARBOARD, GROUP (Mod. 643)</b>				1	DTD323A	C	71/186
5UE/4986	—	Pump, pulsometer, type F.B.6, Mk. 3				2	—	A	71/187
4576	15P2915	Washer, sealing, between packer and pump, No. 2 and 3 tank				3	DTD219A	C	71/188
4575	7P2911	Washer, bolt ... ..				12	—	C	71/189

SERVICES  
FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>TANK, FUEL INSTALLATION, No. 2, 3, AND 4, INNER MAINPLANE, PORT AND STARBOARD (1 &amp; 2P2932) (Cont'd)</b>							
5619	12P2319				Pipe, fuel transfer between No. 3 and 4 tanks, 2.50" i/d x 5.25" long	1	BAC.118	C	70/190
4018	GROUP				<b>TANK, FUEL, FLEXIBLE No. 2, PORT (1P2930 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/191
4019	GROUP				<b>TANK, FUEL, FLEXIBLE No. 2, STARBOARD (2P2930 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/192
4020	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 3, PORT, (1P2931 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/193
4021	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 3, STARBOARD (2P2931 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/194
125	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 4, PORT, (1P3006 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/195
126	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 4 STARBOARD (2P3006 less fuel gauge) (Pre Mod. 858) (See Tanks)</b>	1	—	A	70/196
4051	GROUP				<b>TANK, FUEL, No. 2, PORT (1P3611 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/191
4052	GROUP				<b>TANK, FUEL, No. 2, STARBOARD (2P3611 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/192
4053	GROUP				<b>TANK, FUEL, No. 3, PORT (1P3612 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/193
4054	GROUP				<b>TANK, FUEL, No. 3, STARBOARD (2P3612 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/194
155	GROUP				<b>TANK, FUEL, No. 4, PORT (1P3610 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/195
156	GROUP				<b>TANK, FUEL, No. 4, STARBOARD (2P3610 less fuel gauge) (Mod. 858) (Pre Mod. 1099)</b>	1	—	A	70/196
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 2, PORT (1P3794 less fuel gauge) (Mod. 1099)</b>	1	—		
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 2, STARBOARD (2P3794 less fuel gauge) (Mod. 1099)</b>	1	—		
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 3, PORT (1P3795 less fuel gauge) (Mod. 1099)</b>	1	—		
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 3, STARBOARD (2P3795 less fuel gauge) (Mod. 1099)</b>	1	—		
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 4, PORT (1P3793 less fuel gauge) (Mod. 1099)</b>	1	—		
	GROUP				<b>TANK, FUEL, FLEXIBLE, No. 4, STARBOARD (2P3793 less fuel gauge) (Mod. 1099)</b>	1	—		

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UNIVERSITY OF CALIFORNIA

SHACKLETON Mk 2

SERVICES

FUEL INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON FUEL INSTALLATION</b>									
28F/10798	AGS1129/B	Body,	banjo	...	...	3	—	C	
28F/10018	AGS1135/B	Bolt,	banjo	...	...	3	—	C	
28D/12528	A25/1B	Bolt,	hex.hd, 4 BA x .1" plain	...	...	36	—	C	
28D/12511	A25/2B	Bolt,	hex.hd, 4 BA x .2" plain	...	...	8	—	C	
28D/12622	A25/3B	Bolt,	hex.hd, 4 BA x .3" plain	...	...	8	—	C	
28D/12512	A25/1C	Bolt,	hex.hd, 2 BA x .1" plain	...	...	91	—	C	
28D/12513	A25/2C	Bolt,	hex.hd, 2 BA x .2" plain	...	...	24	—	C	
28D/12531	A25/3C	Bolt,	hex.hd, 2 BA x .3" plain	...	...	100	—	C	
28D/12533	A25/5C	Bolt,	hex.hd, 2 BA x .5" plain	...	...	16	—	C	
28D/12515	A25/10C	Bolt,	hex.hd, 2 BA	...	...	4	—	C	
28D/12540	A25/18C	Bolt,	hex.hd, 2 BA x 1.8" plain	...	...	20	—	C	
28D/12568	A25/22C	Bolt,	hex.hd, 2 BA x 2.2" plain	...	...	10	—	C	
	AGS1661/B	Clip,	bonding	...	...	2	—	C	
5K/116	AGS1661/E	Clip,	bonding	...	...	4	—	C	
5K/118	AGS1661/G	Clip,	bonding	...	...	4	—	C	
5K/119	AGS1661/H	Clip,	bonding	...	...	60	—	C	
28E/10154	MK.00	Clip,	type "J" for 1/2" o/d to 5/8" o/d pipe	...	...	6	—	C	
28E/8183	MK.1	Clip,	type "J" for 7/8" o/d to 1 1/2" o/d pipe...	...	...	30	—	C	
28E/8184	MK.2	Clip,	type "J" for 1 1/2" o/d to 2" o/d pipe...	...	...	64	—	C	
28E/8186	MK.4	Clip,	type "J" for 2 3/4" o/d to 3 1/2" o/d pipe...	...	...	8	—	C	
28M/10287	AGS2001/B/1	Nut,	stiff, 4 BA	...	...	70	—	C	
28M/10288	AGS2001/C/1	Nut,	stiff, 2 BA	...	...	327	—	C	
28F/9501	AGS1142/B	Nipple,	for 1/4" pipes	...	...	8	—	C	
28F/8235	AGS1142/F	Nipple,	adaptor for 3/4" pipe	...	...	18	—	C	
28F/9734	AGS1170/F	Nipple,	adaptor for 3/4" pipe	...	...	4	—	C	
28P/5046	AGS784/22	Pin,	split, 1/8" x 2" long	...	...	32	—	C	
28P/12587	SP9/C4	Pin,	split, 1/16" dia. x 1/2"	...	...	2	—	C	
5K/1768	AGS1533/G	Strip,	bonding, 22G x 5"	...	...	60	—	C	
28F/10610	AGS1118/B	Tee-piece,	1/4" x 1/4" x 1/4"	...	...	2	—	C	
28F/10020	AGS1120/1	Tee-piece,	1/4" x 1/4" x 3/16"	...	...	3	—	C	
28F/9704	AGS1102/B	Union,	body cone, 1/4" o/d	...	...	8	—	C	
28F/11080	AGS1106/B	Union,	cone to nipple, 1/4" o/d	...	...	3	—	C	
28F/9708	AGS1104/B	Union,	cone adaptor	...	...	4	—	C	
28F/10509	AGS1107/A	Union,	cone reducing	...	...	3	—	C	
28W/6659	AGS568/B	Washer,	18 SWG	...	...	2	—	C	
28F/8215	AGS1138/B	Washer,	jointing	...	...	7	—	C	
28W/12346	SP10/B	Washer,	4 BA	...	...	20	—	C	
28W/12305	SP13/B	Washer,	4 BA	...	...	30	—	C	
28W/12245	SP10/C	Washer,	2 BA	...	...	337	—	C	
28W/12252	SP13/C	Washer,	2 BA	...	...	90	—	C	
28W/12355	SP16/C	Washer,	2 BA	...	...	16	—	C	

Ref. No.	Part No.					Description	No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4				M.R.	

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## SERVICES

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## FUEL INSTALLATION (BOOST AND DOPER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>BOOST AND DOPER INSTALLATION (P2897)</b>							
		Spares for :—							
3909	AA/SS3451	Adaptor, for pipes at bulkhead ... ..				4	—		72/197
	4SS1799	Adaptor, for flexible pipes to gauge ... ..				4	—		72/198
	155P2315	Block, clamping, priming valve to bulkhead...				2	BSS668	C	72/199
	30SS3318	Bonding, clamping black O/B engine ... ..				1	DTD213		72/200
	174P2190	Bonding, clamping black I/B engine ... ..				1	DTD213		72/201
13691	8SS1862	Clip, half to strut ... ..				1	—	C	72/202
	8SS1863	Clip, half to strut ... ..				1	—	C	72/203
	4P2927	<b>FAIRLEAD FOR DRAIN PIPES GROUP</b>				1	—		72/204
6A/1582	—	Gauge, boost, at pilot's panel ... ..				4	—	A	72/205
3917	364P2437	Piece, tee, aft of outboard engine bulkhead ...				2	—	C	72/206
1840	64SS3557	Piece, tee, pipes in nose ... ..				4	—	C	72/207
4581	98SS3557	Piece, tee, at doper valve, inboard engine ...				2	—	C	72/208
4402	99SS3557	Piece, tee, pipe to fuel pump, starboard ...				1	—	C	72/209
4767	31P2910	<b>PIPE, BOOST GAUGE CONNECTION ¼" BORE, GROUP</b>				4	Flylite No. 4	B	72/210
4397	20P2910	<b>PIPE, DOPER, ⅜" BORE, FROM TEE-PIECE IN U/C VALANCE TO PRIMING PUMP, PORT, GROUP</b>				1	Flylite No. 4	B	72/211
4398	21P2910	<b>PIPE, DOPER, ½" BORE, IN U/C VALANCE TO TEE-PIECE AFT OF BULKHEAD, STARBOARD, GROUP</b>				1	Flylite	B	72/212
	2P2897	<b>PIPE, DOPER PUMP TO TEE-PIECE, ¼" o/d x 22G x 12" LONG, GROUP</b>				2	T7		72/213
	58P2897	<b>PIPE, TEE-PIECE TO COUPLING IN NOSE, PORT, ⅜" o/d x 22G x 31" LONG, GROUP</b>				1	DTD323A		72/214
	59P2897	<b>PIPE, TEE-PIECE TO COUPLING IN NOSE, PORT, ⅜" o/d x 22G x 35" LONG, GROUP</b>				1	DTD323A		27/215
	60P2897	<b>PIPE, TEE-PIECE TO W/M SWITCH IN NOSE, PORT, ¼" o/d x 22G x 60" LONG, GROUP</b>				1	DTD323A		72/216
	61P2897	<b>PIPE, TEE-PIECE TO W/M SWITCH IN NOSE, PORT, ¼" o/d x 22G x 52" LONG, GROUP</b>				1	DTD323A		72/217
	62P2897	<b>PIPE, TEE-PIECE TO COUPLING IN NOSE, PORT, ⅜" o/d x 22G x 58" LONG, GROUP</b>				1	DTD323A		72/218
	63P2897	<b>PIPE, TEE-PIECE TO COUPLING IN NOSE, PORT, ⅜" o/d x 22G x 57" LONG, GROUP</b>				1	DTD323A		72/219

## SERVICES

## FUEL INSTALLATION (BOOST AND DOPER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	25P2897	PIPE, DOPER, TEE-PIECE TO COUPLING INBOARD NACELLE, PORT, $\frac{1}{4}$ " o/d x 22G x 2' 6" LONG, GROUP				1	T7		72/220
	26P2897	PIPE, DOPER, TEE-PIECE TO COUPLING INBOARD NACELLE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 2' 6" LONG, GROUP				1	T7		72/221
	64P2897	PIPE, COUPLING TO COUPLING, PORT, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323A		72/222
	65P2897	PIPE, COUPLING TO COUPLING, PORT, $\frac{3}{16}$ " x 22G, GROUP				1	DTD323A		72/223
	66P2897	PIPE, TEE-PIECE TO FLEXIBLE PIPE IN NOSE, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 74" LONG, GROUP				1	DTD323A		72/224
	67P2897	PIPE, COUPLING TO W/M SWITCH IN NOSE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 53" LONG, GROUP				1	DTD323A		72/225
	75P2897	PIPE, COUPLING TO W/M SWITCH IN NOSE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 47" LONG, GROUP				1	DTD323A		72/226
	76P2897	PIPE, COUPLING TO FLEXIBLE PIPE IN NOSE, PORT, $\frac{3}{16}$ " o/d x 22G x 35" LONG, GROUP				1	DTD323A		72/227
7979	77P2897	PIPE, COUPLING TO FLEXIBLE PIPE IN NOSE, PORT, $\frac{3}{16}$ " o/d x 22G x 36" LONG, GROUP				1	DTD323A	C	72/228
	74P2897	PIPE, TEE-PIECE TO FLEXIBLE PIPE IN NOSE, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 73" LONG, GROUP				1	DTD323A		72/229
	73P2897	PIPE, COUPLING TO TEE-PIECE IN NOSE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 24" LONG, GROUP				1	DTD323A		72/230
	72P2897	PIPE, COUPLING TO TEE-PIECE IN NOSE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 26" LONG, GROUP				1	DTD323A		72/231
	71P2897	PIPE, TEE-PIECE TO COUPLING IN NOSE, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 32" LONG, GROUP				1	DTD323A		72/232
	70P2897	PIPE, TEE-PIECE TO COUPLING IN NOSE, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 36" LONG, GROUP				1	DTD323A		72/233
	37P2897	PIPE, PRIMING PUMP TO COUPLING I/B NACELLE, PORT, $\frac{3}{8}$ " o/d x 22G, GROUP				1	T4		72/234

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## SERVICES

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## FUEL INSTALLATION (BOOST AND DOPER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	89P2483	PIPE, ALONG FRONT SPAR, PORT, $\frac{3}{16}$ " o/d x 22G x 74" LONG, GROUP				1	DTD323A		72/235
	90P2483	PIPE, UNDER FLOOR IN FRONT CENTRE SECTION, PORT, $\frac{3}{16}$ " o/d x 22G x 10' 0" LONG, GROUP				1	DTD323A		72/236
	91P2483	PIPE, UNDER FLOOR IN FRONT CENTRE SECTION, PORT, $\frac{3}{16}$ " o/d x 22G x 10' 0" LONG, GROUP				1	DTD323A		72/237
	93P2483	PIPE, ALONG FRONT SPAR, PORT, $\frac{3}{16}$ " o/d x 22G x 69" LONG, GROUP				1	DTD323A		72/238
	95P2483	PIPE, ALONG FRONT SPAR, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 71" LONG, GROUP				1	DTD323A		72/239
	96P2483	PIPE, UNDER FLOOR IN FRONT CENTRE SECTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 36" LONG, GROUP				1	DTD323A		72/240
	97P2483	PIPE, ALONG FRONT SPAR, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 74" LONG, GROUP				1	DTD323A		72/241
	98P2483	PIPE, UNDER FLOOR IN FRONT CENTRE SECTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 46" LONG, GROUP				1	DTD323A		72/242
	99P2483	PIPE, ALONG FRONT SPAR INNER MAINPLANE, PORT, $\frac{3}{16}$ " o/d x 22G x 109" LONG, GROUP				1	DTD323A		72/243
	100P2483	PIPE, ALONG FRONT SPAR, INNER MAINPLANE, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 109" LONG, GROUP				1	DTD323A		72/244
1784	36P2483	PIPE, COUPLING TO BULKHEAD OUTBOARD NACELLE, PORT, $\frac{3}{16}$ " o/d x 22G, GROUP				1	T7	C	72/245
1785	37P2483	PIPE, COUPLING TO BULKHEAD OUTBOARD NACELLE, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	T7	C	72/246
1787	40P2483	PIPE, DOPER, OUTBOARD NACELLE TO DOPER VALVE, PORT, $\frac{1}{4}$ " o/d x 22G x 12" LONG, GROUP (Pre Mod. 454)				1	T7	C	72/247
5608	8P2917	PIPE, DOPER VALVE TO M.R. VALVE, $\frac{1}{4}$ " x 22G, GROUP (Mod. 454)				1	T7	C	
1788	41P2483	PIPE, COUPLING TO BULKHEAD INBOARD NACELLE, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	T7	C	72/248

## SERVICES

## FUEL INSTALLATION (BOOST AND DOPER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	69P2897	PIPE, DOPER, AT WING ROOT, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 3' 6" LONG, GROUP				1	T7		72/249
1790	45P2483	PIPE, DOPER VALVE TO BULKHEAD OUTBOARD NACELLE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 12" LONG, GROUP (Pre Mod. 454)				1	T7	C	72/250
5609	9P2917	PIPE, N.R. VALVE TO BULKHEAD $\frac{1}{4}$ " x 22G, GROUP (Mod. 454)				1	T7	C	
	101P2483	PIPE, ALONG FRONT SPAR INNER MAINPLANE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 109" LONG, GROUP				1	DTD323A		72/251
	68P2897	PIPE, AT WING ROOT, PORT, $\frac{1}{4}$ " o/d x 22G x ———, GROUP				1	DTD323A		72/252
	103P2483	PIPE, ALONG FRONT SPAR INNER MAINPLANE, PORT, $\frac{1}{4}$ " o/d x 22G, GROUP				1	DTD323A		72/253
	104P2483	PIPE, COUPLING TO COUPLING IN FRONT CENTRE SECTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 11' 2" LONG, GROUP				1	DTD323A		72/254
	105P2483	PIPE, COUPLING TO COUPLING IN FRONT CENTRE SECTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 10' 3" LONG, GROUP				1	DTD323A		72/255
	124P2483	PIPE, COUPLING TO COUPLING ALONG FRONT SPAR, PORT, $\frac{3}{16}$ " o/d x 22G x ———, GROUP				1	DTD323A		72/256
1792	55P2483	PIPE, COUPLING TO COUPLING ALONG FRONT SPAR, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	T7	C	72/257
1793	64P2483	PIPE, DOPER, TEE-PIECE TO COUPLING OUTBOARD NACELLE, PORT, $\frac{1}{4}$ " o/d x 22G x 36" LONG, GROUP				1	T7	C	72/258
1794	65P2483	PIPE, DOPER, TEE-PIECE TO DOPER VALVE OUTBOARD NACELLE, PORT, $\frac{1}{4}$ " o/d x 22G x 12" LONG, GROUP				1	T7	C	72/259
1795	66P2483	PIPE, DOPER, TEE TO COUPLING OUTBOARD NACELLE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 36" LONG, GROUP				1	T7	C	72/260
1839	67P2483	PIPE, DOPER, TEE TO DOPER VALVE OUTBOARD NACELLE, STARBOARD $\frac{1}{4}$ " o/d x 22G, GROUP				1	T7	C	72/261
1770	239P2437	PIPE, DOPER VALVE TO BULKHEAD INBOARD NACELLE, PORT AND STARBOARD, $\frac{1}{4}$ " o/d x 22G x ———, GROUP (Pre Mod. 454)				2	T7	C	72/262
5606	10P2927	PIPE, BULKHEAD TO N.R. VALVE, $\frac{1}{4}$ " o/d x 22G, GROUP (Mod. 454)				2	T7	C	
5607	11P2927	PIPE, N.R. VALVE, TO DOPER VALVE $\frac{1}{4}$ " x 22G, GROUP (Mod. 454)				2	T7	C	

SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION (BOOST AND DOPER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	12P2927	PIPE, DOPER PUMP TO TEE INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56		72/263
	35P2897	PIPE, FUEL HEATER PUMP TO TEE INBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP				1	L56		72/264
1786	38P2483	PIPE, COUPLING TO BULKHEAD INBOARD NACELLE, PORT, $\frac{3}{16}$ " o/d x 22G, GROUP				1	T7	C	72/265
1780	375P2437	PIPE DRAIN FROM DOPER PUMP INBOARD NACELLE $\frac{3}{16}$ " o/d				1	—	C	72/266
5UE/5057	— Smith's 157/1PG	Pump, priming type, F.P.3, Mk. 7 ... ..				2	—	A	72/267
5UE/4344	—	Switch, fuel pressure ... ..				2	—		72/263
27F/2673	SAUNDERS 702.AA.02	Valve, doper ... ..				4	—	A	72/269
		Valve, non-return ... ..				4	—	A	

**SERVICES**  
**FUEL INSTALLATION**  
**ENGINE AIR INTAKE DRAIN**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>DRAIN, AIR INTAKE PORT AND STAR- BOARD GROUP (1E2765)</b>							
		Spares for :—							
28F/11231	AGS1111/D	<b>Adaptor</b> , bulkhead	...	...	...	1	—	C	
2535	21E2765	<b>Bolt</b> , special bracket to bulkhead	...	...	...	2	S95 or S96	C	72/270
2532	14E2765	<b>Bracket</b> , on bulkhead	...	...	...	1	DTD610	C	72/271
3930	8E2765	<b>Clip</b> , pipe to undercarriage	...	...	...	1	S3	C	72/507
3931	18E2765	<b>Clip</b> , pipe to strut	...	...	...	1	S3	C	72/508
2533	19E2765	<b>Clip</b> , pipe	...	...	...	2	S3	C	72/272
2534	20E2765	<b>CLIP GROUP</b>	...	...	...	1	—	C	72/273
2530	4E2765	<b>PIPE TO FUNNEL GROUP</b>	...	...	...	1	—	C	72/274
2531	5E2765	<b>PIPE, C/W FUNNEL GROUP</b>	...	...	...	1	—	C	72/275

SERVICES

FUEL INSTALLATION (HEATERS) GROUP

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>FUEL SYSTEM FOR DANIEL HEATERS (P2492)</b>							
27U/268	—	Spares for :— Controller, heater, No. 1, 2 and 3 ... ..				3	—	A	72/276
27U/277	—	Filter, at former 5 ... ..				1	—	A	72/277
	1P3697	<b>PANEL, ACCESSORIES BETWEEN FORMERS 6-8, GROUP (Mod. 892)</b>				1	—		72/278
27U/276	—	Spares for :— Filter (Vokes) ... ..				2	—	A	72/283
	3P3697	<b>PIPE, SOLENOID VALVE TO RATED FLOW VALVE 1/4" o/d x 20G, GROUP</b>				1	—	C	72/284
	4P3697	<b>PIPE, FILTER TO SOLENOID VALVE 1/4" o/d x 20G, GROUP</b>				1	—	C	72/285
	5P3697	<b>PIPE, SOLENOID VALVE TO RATED FLOW VALVE, 1/4" o/d x 20G, GROUP</b>				1	—	C	72/286
	2P3697	<b>PIPE FILTER TO SOLENOID VALVE 1/4" o/d x 20G, GROUP</b>				1	—	C	72/287
	10P2811	<b>PIPE, VENT, GROUP ... ..</b>				1	—	C	
27U/269	—	Valve, rated flow ... ..				2	—	A	72/289
27V/2854	—	Valve, solenoid ... ..				2	—	A	72/289
	74Z6843	<b>PIPE, HEATER TO REDUCING UNION IN NOSE, 3/16" o/d x 20G, GRP.</b>				1	—		72/290
	73Z6843	<b>PIPE, REDUCING UNION HEATER CONTROL UNIT IN NOSE 1/4" o/d x 20G, GROUP</b>				1	—		72/291
	72Z6843	<b>PIPE, HEATER CONTROL UNIT TO TEE-PIECE IN NOSE, 1/4" o/d x 20G, GRP.</b>				1	—		72/292
	80Z6843	<b>PIPE, HEATER CONTROL UNIT TO ATMOSPHERE, IN NOSE, 3/16" o/d x 20G, GROUP</b>				1	—		72/293
	94Z6843	<b>PIPE, FUEL PRESSURE SWITCH TO TEE-PIECE IN NOSE 3/16" o/d x 20G, GRP.</b>				1	—		72/294
	15P2942	<b>PIPE, TEE-PIECE TO JOINT AT FORMER "E", GROUP</b>				1	—		72/295
	13P2810	<b>PIPE, COUPLING TO RATED FLOW VALVE AT FORMER No. 3, 1/4" o/d x 20G x 8' 2" LONG, GROUP</b>				1	—		72/296

## SERVICES

## FUEL INSTALLATION (HEATERS)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
2552	59P2810	PIPE, RATED FLOW VALVE TO SOLENOID VALVE AT FORMER No. 4, $\frac{1}{4}$ " o/d x 20G x 13" LONG, GROUP				1	—	C	72/297
2553	60P2810	PIPE, SOLENOID VALVE TO FILTER BETWEEN FORMERS 4-5, $\frac{1}{4}$ " o/d x 20G x 16" LONG, GROUP				1	—	C	72/298
	10P2810	PIPE, FILTER TO TEE-PIECE AT FORMER No. 6, $\frac{1}{4}$ " o/d x 20G x 11" LONG, GROUP				1	—		72/299
	24Z4367	PIPE, TEE-PIECE TO PANEL AT FORMER No. 6, $\frac{1}{4}$ " o/d x 20G x 2' 4" LONG, GROUP				1	—		72/300
	13P2942	PIPE, TEE-PIECE TO TEE-PIECE BETWEEN FORMERS 5-6, $\frac{1}{4}$ " o/d x 20G x 9 $\frac{3}{4}$ " LONG, GROUP				1	—		72/301
	17P2942	PIPE, LOWER COUPLING TO RATED FLOW VALVE AT FORMER 6, $\frac{1}{4}$ " o/d x 20G x 27" LONG, GROUP (Mod. 892)				1	—		72/302
	18P2942	PIPE, UPPER COUPLING TO RATED FLOW VALVE AT FORMER 6, $\frac{1}{4}$ " o/d x 20G x 27" LONG, GROUP (Mod. 892)				1	—		72/303
15011	19P2942	PIPE, LOWER, RATED FLOW VALVE TO COUPLING AT FORMER 12, $\frac{1}{4}$ " o/d x 20G x 7' 7" LONG, GROUP (Mod. 1015)				1	—	C	72/304
15012	20P2942	PIPE, UPPER, RATED FLOW VALVE TO COUPLING AT FORMER 12, $\frac{1}{4}$ " o/d x 20G x 7' 3" LONG, GROUP (Mod. 1015)				1	—	C	72/305
	35Z4367	PIPE, ALONG FRONT SPAR, C/S FUSelage TO COUPLING, $\frac{1}{4}$ " o/d x 20G x 6' 0" LONG, GROUP				1	—		72/306
3908	3P2819	PIPE, FLEXIBLE, COUPLING TO SOLENOID VALVE, AFT OF STARBOARD INBOARD BULKHEAD, $\frac{1}{4}$ " BORE x 2' 4" LONG, GROUP				1	Flylite No. 4	B	72/307
4582	22P2910	PIPE, FLEXIBLE, FUEL PUMP TO COUPLING, AFT OF STARBOARD INBOARD BULKHEAD, $\frac{1}{4}$ " BORE x 21" LONG, GROUP				1	Flylite No. 4	B	72/308
	44Z4367	PIPE, COUPLING TO COUPLING BETWEEN FORMERS 12-16A, $\frac{1}{4}$ " o/d x 20G x 4' 9" LONG, GROUP				1	—		72/309
	8P2927	PIPE COUPLING TO SOLENOID VALVE AFT OF STARBOARD INBOARD BULKHEAD, $\frac{1}{4}$ " o/d x 22G, GROUP				1	—		72/310
	6P2929	PIPE DRAIN FROM FUEL HEATER PUMP $\frac{3}{16}$ " o/d x 22G, STARBOARD, GROUP				1	—		72/311

SHACKLETON Mk. 2

## SERVICES

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## FUEL INSTALLATION (HEATERS)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	26P2810	PIPE, COUPLING TO COUPLING BETWEEN FORMERS 12-16A, LOWER, $\frac{1}{4}$ " o/d x 20G x 6' 6" LONG, GROUP				1	DTD253A		72/312
	27P2810	PIPE, ACROSS FUSELAGE AT FORMER 16A, $\frac{1}{4}$ " o/d x 20G x 6' 8" LONG, GROUP				1	DTD253A		72/313
	28P2810	PIPE, COUPLING TO TEE-PIECE AT FORMER 16A, $\frac{1}{4}$ " o/d x 20G x 21" LONG, PORT, GROUP				1	DTD253A		72/314
2720	65P2810	PIPE, COUPLING TO TEE-PIECE AT FORMER 15, $\frac{1}{4}$ " o/d x 20G x 4' 1" LONG, PORT, GROUP				1	DTD253A	C	72/315
2717	62P2810	PIPE, TEE-PIECE TO FUEL PRESSURE SWITCH BETWEEN FORMERS 14-15, $\frac{1}{4}$ " o/d x 20G x 7" LONG, PORT, GROUP				1	DTD253A	C	72/316
2719	64P2810	PIPE, TEE-PIECE TO HEATER CONTROLLER BETWEEN FORMERS 13-14 $\frac{1}{4}$ " o/d x 20G, PORT, GROUP				1	DTD253A	C	72/317
6577	33P2810	PIPE, HEATER CONTROLLER TO ATMOSPHERE AT FORMER 13, $\frac{3}{8}$ " o/d x 20G x 7" LONG, PORT, GROUP				1	DTD253A	C	72/318
	30P2810	PIPE, HEATER CONTROLLER TO COUPLING AT FORMER 13, $\frac{1}{4}$ " o/d x 20G x 2' 3" LONG, PORT, GROUP				1	DTD253A		72/319
	31P2810	PIPE, REDUCING COUPLING TO No. 2 HEATER AT FORMER 14, $\frac{3}{16}$ " o/d x 22G x 17" LONG, GROUP				1	DTD253A		72/320
	47Z4367	PIPE, FROM COUPLING TO FORMER 16A TO COUPLING AT FORMER 22, $\frac{1}{4}$ " o/d x 20G x 7' 2" LONG, STARBOARD, GROUP				1	DTD253A		72/321
	4P2942	PIPE, FROM COUPLING TO FORMER 22 TO COUPLING AT FORMER 27, $\frac{1}{4}$ " o/d x 20G x 10' 0" LONG, STARBOARD, GROUP				1	DTD253A		72/322
	5P2942	PIPE, FROM COUPLING AT FORMER 27 TO TEE-PIECE AT FORMER 29, $\frac{1}{4}$ " o/d x 20G x 2' 11" LONG, GROUP				1	DTD253A		72/323
2918	66P2810	PIPE, TEE-PIECE TO FUEL PRESSURE SWITCH AT FORMER 29, $\frac{3}{16}$ " o/d x 22G x 7" LONG, GROUP				1	DTD253A	C	72/324
	7P2942	PIPE, TEE-PIECE TO HEATER CONTROLLER BETWEEN FORMERS 28-29, $\frac{1}{4}$ " o/d x 20G x 14" LONG, GROUP				1	DTD253A		72/325

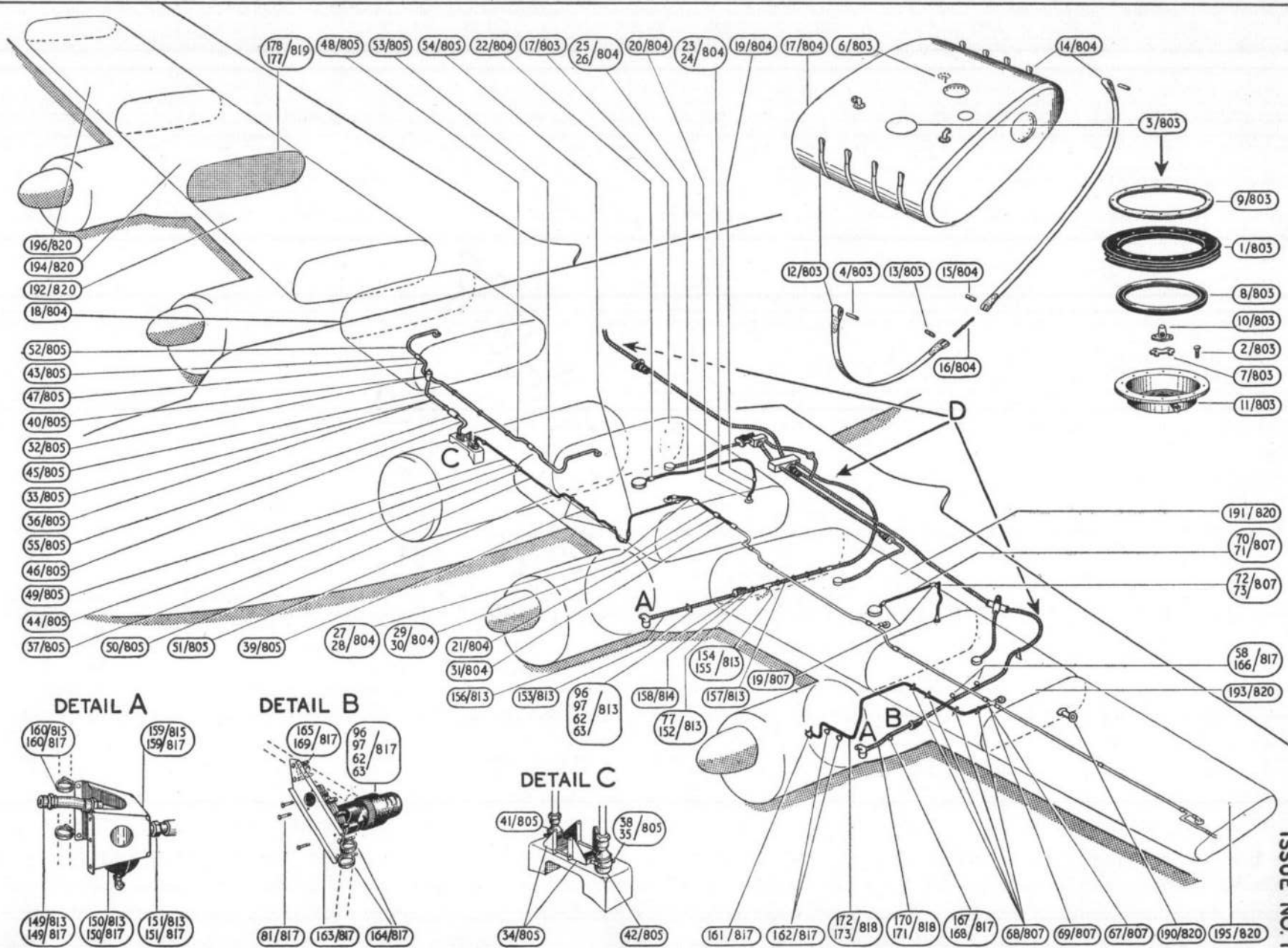
## SERVICES

## FUEL INSTALLATION (HEATERS)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	16P2942	PIPE, HEATER CONTROLLER TO ATMOSPHERE, $\frac{3}{8}$ " o/d x 20G x 8" LONG, GROUP				1	DTD253A		72/326
	6P2942	PIPE, HEATER CONTROLLER TO COUPLING, FORMER 29, $\frac{1}{4}$ " o/d x 20G x 4' 0" LONG, STARBOARD, GROUP				1	DTD253A		72/327
	37P2810	PIPE, COUPLING TO REDUCING COUPLING BETWEEN FORMERS 29-30, $\frac{1}{4}$ " o/d x 20G x 21" LONG, STARBOARD, GROUP				1	DTD253A		72/328
	38P2810	PIPE, REDUCING COUPLING TO No. 3 HEATER $\frac{3}{16}$ " o/d x 20G x 16" LONG, STARBOARD, GROUP				1	DTD253A		72/329
		Vent, and drain for heaters (See Services, Heating and Ventilating).							
5UE/5648	—	Pump, fuel, aft of inboard engine bulkhead, starboard				1	—	A	72/330
5CW/4299	—	Switch, fuel pressure ... ..				3	—	A	72/331
27U/269	—	Valve, rated flow at former 3... ..				1	—	A	72/288
27V/2854	—	Valve, solenoid at former 4, and aft of engine bulkhead, inboard, starboard				2	—	A	72/289
		<b>PIPES, FUEL HEATER AFT OF BULK-HEAD AND WING, STARBOARD (P2928)</b>							
		Spares for:—							
2558	194SS4095	Clip, half ... ..				1	—	C	72/509
	3P2928	Pipe, extension ... ..				1	—		

RESTRICTED

FUEL INSTALLATION (1)



RESTRICTED

PLATE NO. 70  
ISSUE NO. 1

THE UNIVERSITY OF

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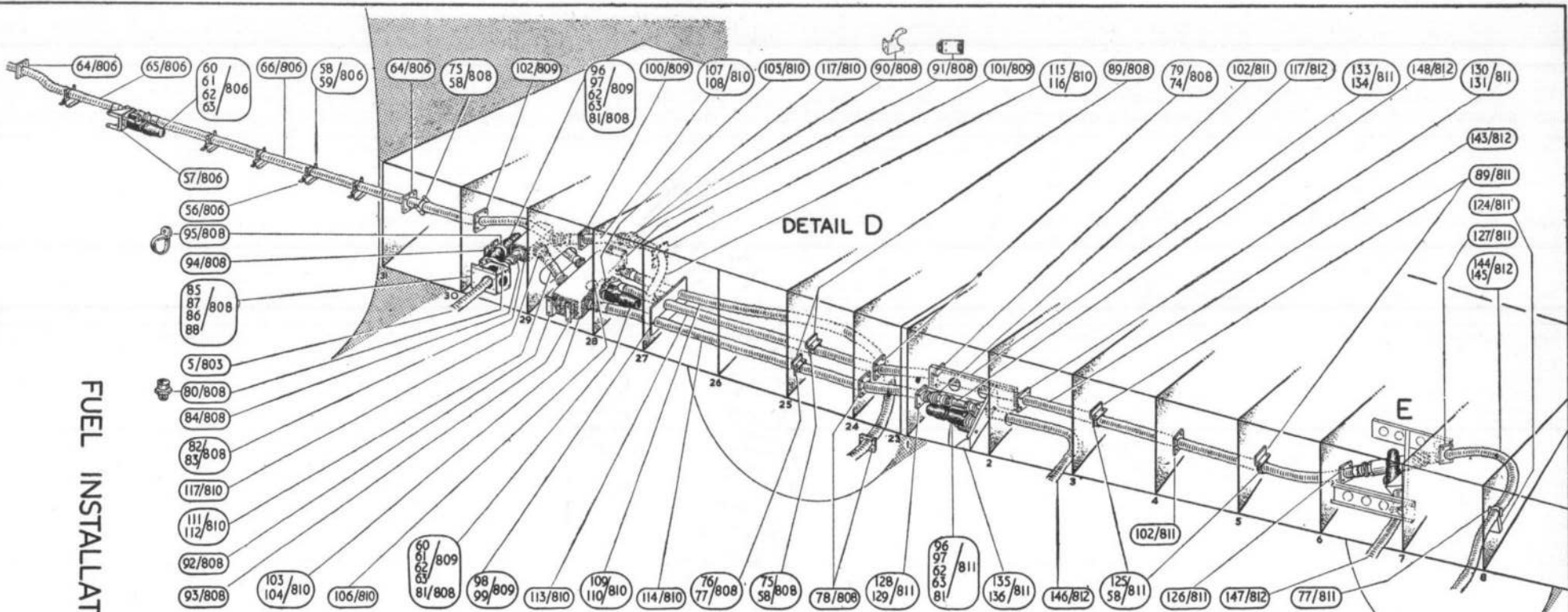
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RESTRICTED

FUEL INSTALLATION (2)



RESTRICTED

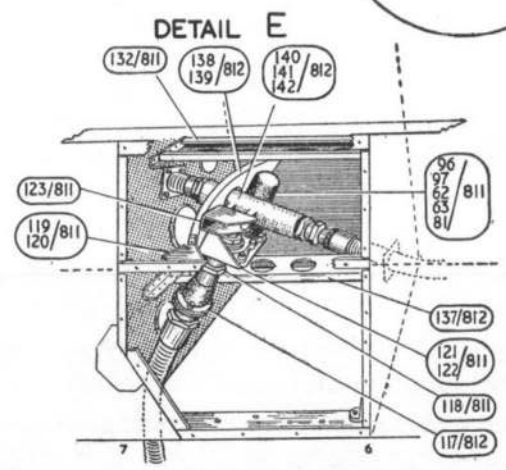
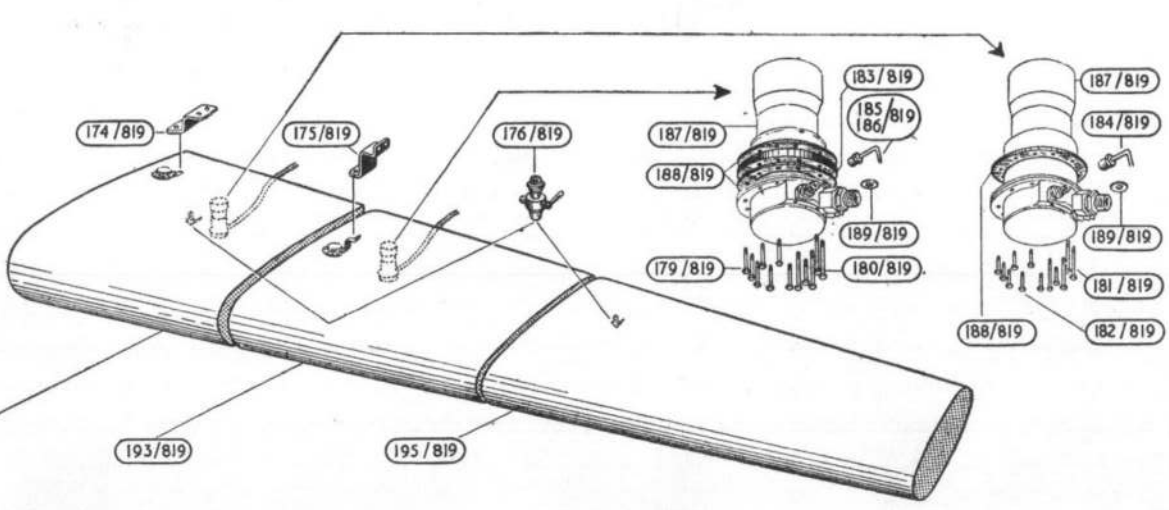


PLATE NO. 71  
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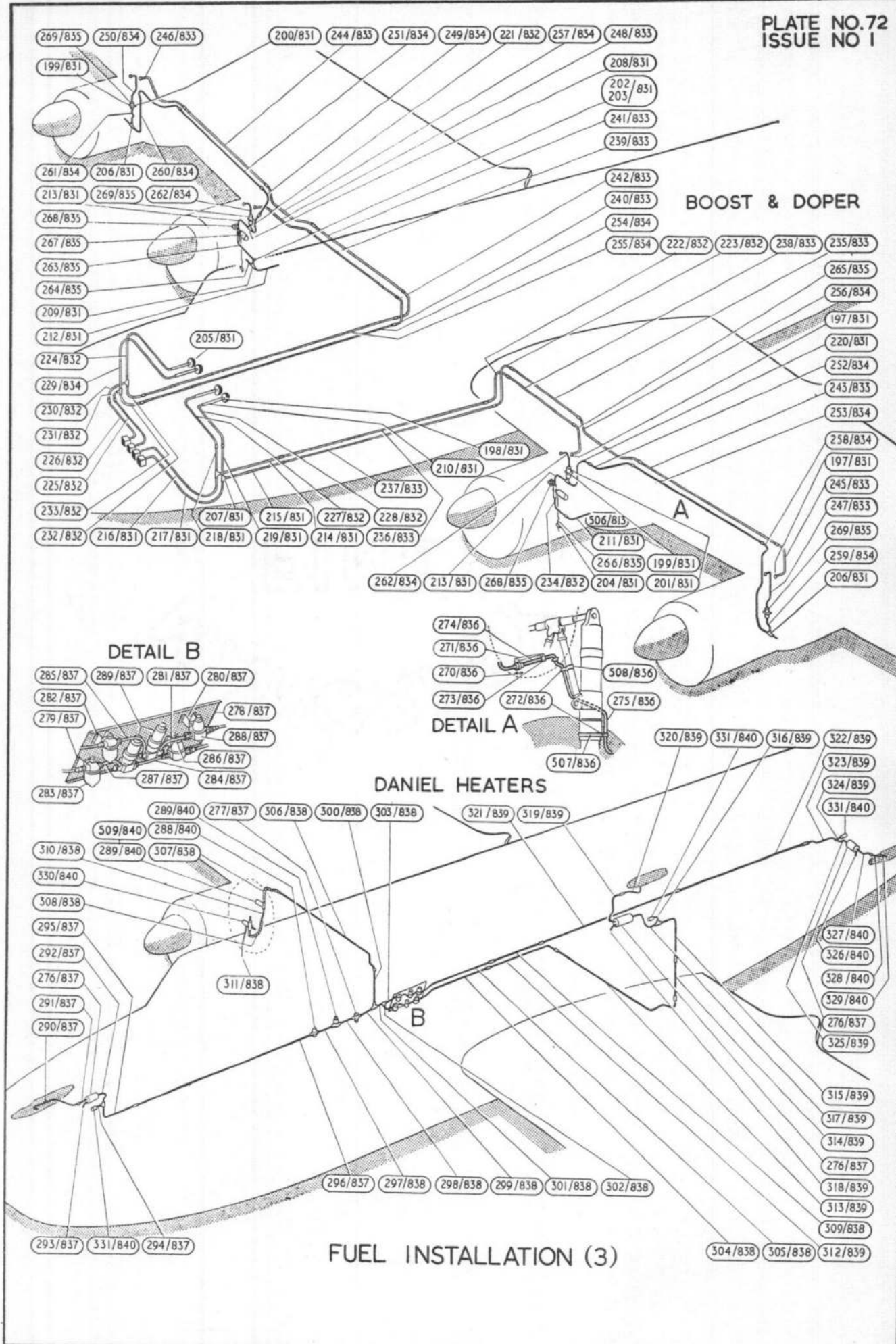
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SECTION 1

ARTICLE



SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION (METHANOL WATER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHANOL, WATER SYSTEM</b>							
		Spares for :—							
		<b>METHANOL WATER SYSTEM, IN-BOARD NACELLE, PORT AND STARBOARD (447 &amp; 448P2437)</b>							
		Spares for :—							
9144	50SS3568	Adaptor, at Avery coupling ... ..				1	—	C	73/332
	443P2437	Bracket, mounting, Amal valve ... ..				1	S3	C	73/333
13422	3SS3859	Clip, pipe ... ..				3	—	C	73/334
13420	10SS3859	Clip, pipe, 3/4" dia. ... ..				2P 1S	—	C	73/36
	147P2437	Clip, pipe (10SS1861 tube .9" long), starboard				1	—	C	73/335
26DC/4439	24SS3863	Clip, pipe ... ..				2	—	C	73/336
3920	398P2437	Coupling, at flexible pipe ... ..				2	—	C	73/337
	Avery AVA.50/F	<b>COUPLING, SELF-SEALING AT BULKHEAD, GROUP</b>				1	—	C	73/338
		Consisting of :—							
27M/8752	AVA.55/F	Coupling, flanged half ... ..				1	—	C	
27M/8754	AVA.54/F	Coupling, flanged half ... ..				1	—	C	
27M/8770	AVA.62/F	Nut, union ... ..				1	—	C	
2456	475P2437	<b>PIECE, TEE, FLEXIBLE PIPE JOINT, GROUP</b>				1	—	C	73/339
	562P2437	<b>PIPE, FUEL, DRAIN, 20G x 5/16" o/d, GROUP</b>				1	DTD323A	C	73/340
	563P2437	<b>PIPE, FUEL DRAIN, 20G x 5/16" o/d, GROUP</b>				1	DTD323A	C	73/341
7352	571P2437	<b>PIPE, TO AMAL VALVE, 20G x 3/4" o/d, STARBOARD, GROUP</b>				1	—	C	73/342
7351	573P2437	<b>PIPE, TO AMAL VALVE, 20G x 3/4" o/d, PORT, GROUP</b>				1	DTD323A	C	73/343
7350	572P2437	<b>PIPE, JOINT TO JOINT, 20G x 3/4" o/d, PORT, GROUP</b>				1	DTD323A	C	73/344
7975	585P2437	<b>PIPE, TEE-PIECE TO AMAL VALVE, 20G x 5/16" o/d, GROUP</b>				1	DTD323A	C	73/345
	Dunlop DH.125A/24	Pipe, fuel, flexible, Avery coupling to Amal valve (441P2437)				1	—	C	73/346
2455	Amal 301/3/025-1	Valve, Amal (476P2437) ... ..				1	—	C	73/347

## SERVICES

## FUEL INSTALLATION (METHANOL, WATER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHANOL WATER SYSTEM, OUT-BOARD NACELLE, PORT AND STARBOARD (449 &amp; 450P2437)</b>							
		Spares for :—							
4698	400P2437	Adaptor, pipe $\frac{3}{4}$ " o/d ... ..				4	—	C	73/348
	480P2437	Bracket, mounting Amal valve ... ..				1	S3		73/349
	1SK20872	Bracket, mounting pipe to Avery coupling				1	S3		73/350
7124	1SK20981	Bracket, mounting pipe to Avery coupling, bottom				1	S3	C	73/351
13327	10SS1862	Clip, half, for bracket, mounted on engine subframe				3	—	C	73/169
13420	10SS3859	Clip, pipe to subframe ... ..				3	—	C	73/36
26DC/4439	24SS3863	Clip, pipe ... ..				2	—	C	73/337
26DC/1627	252SS4095	Clip, half, drain pipe to subframe ...				2	—	C	73/125
	481P2437	Clip, bracket, Amal valve to engine subframe				2	—		73/354
	147P2437	Clip, bracket, Amal valve to engine subframe starboard				1	—		73/335
	482P2437	Clip, bracket, Amal valve to engine subframe				1	—		73/355
	189SS4095	Clip ... ..				2	—		73/352
13422	3SS3859	Clip, support drain pipe ... ..				1	—	C	73/334
7044	265P2437	Clip, pipe drain tank ... ..				1	—	C	73/356
7045	459P2437	Clip, half ... ..				2	—	C	73/353
	Avery AVA/50F	<b>COUPLING, SELF-SEALING, GROUP</b>				1	—		73/338
		Consisting of :—							
27M/8752	AVA/55F	Coupling, flanged half ... ..				1	—	C	
27M/8754	AVA/54F	Coupling, flanged, half ... ..				1	—	C	
27M/8770	AVA/62F	Nut, union ... ..				1	—	C	
3920	398P2437	Coupling, at flexible pipe ... ..				2	—	C	73/336
28J/12240	AGS1015	Filter ... ..				2	—	A	73/357
32C/21	149P2437	Hose, pipe joint, 1" i/d x $1\frac{3}{8}$ " o/d x $2\frac{1}{4}$ " ...				1	BSS6F7	C	73/358
32C/18	166P2437	Hose, pipe joint, $\frac{3}{4}$ " i/d x $1\frac{1}{8}$ " o/d x $2\frac{1}{8}$ " ...				1	BSS6F7	C	73/359
7565	1SK20980	<b>MOUNTING, FUEL FILTER, PORT, GROUP</b>				1	—	C	73/360
7123	2SK20980	<b>MOUNTING, FUEL FILTER, STARBOARD, GROUP</b>				1	—	C	73/361
	124cP2437	Spares for :— <b>STRAP, ATTACHMENT, GROUP...</b>				2	—		
2456	475P2437	<b>PIECE, TEE, FLEXIBLE PIPE, JOINT, GROUP</b>				1	—	C	73/339
7339	549P2437	<b>PIPE, ELBOW TO AMAL VALVE, 20G x <math>\frac{5}{16}</math>" o/d, PORT, GROUP</b>				1	DTD323A	C	73/362
7340	550P2437	<b>PIPE, ELBOW, TO AMAL VALVE, 20G x <math>\frac{5}{16}</math>" o/d, STARBOARD, GROUP</b>				1	DTD323A	C	73/363
	590P2437	<b>PIPE, AVERY COUPLING TO BULK-HEAD, <math>\frac{3}{4}</math>" o/d x 20G, PORT, GROUP (Mcd. 771)</b>				1	DTD323		

SHACKLETON Mk. 2

## SERVICES


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## FUEL INSTALLATION (METHANOL WATER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>METHANOL WATER SYSTEM OUT-BOARD NACELLE, PORT AND STARBOARD (449 &amp; 450P2437) (Cont'd)</b>							
7348	551P2437	PIPE, PUMP TO FILTER, 20G x $\frac{3}{4}$ " o/d O/B PORT AND IB STARBOARD, GROUP				1	DTD323A	C	73/364
7349	552P2437	PIPE, PUMP TO FILTER, 20G x $\frac{3}{4}$ " o/d I/B PORT A O/B STARBOARD, GROUP				1	DTD323A	C	73/365
7341	553P2437	PIPE, FILTER TO AMAL VALVE, 20G x $\frac{3}{4}$ " o/d, PORT, GROUP				1	DTD323A	C	73/366
7342	554P2437	PIPE, FILTER TO AMAL VALVE, 20G x $\frac{3}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	73/367
7343	555P2437	PIPE, FILTER TO PIPE JOINT, 20G x $\frac{3}{4}$ " o/d, PORT, GROUP				1	DTD323A	C	73/368
7344	556P2437	PIPE, FILTER TO PIPE JOINT, 20G x $\frac{3}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	73/369
7345	557P2437	PIPE, AVERY COUPLING TO BULK-HEAD, 20G x $\frac{3}{4}$ " o/d, PORT, GROUP				1	DTD323A	C	73/370
7269	558P2437	PIPE, AVERY COUPLING TO BULK-HEAD, 20G x $\frac{3}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	73/371
7326	568P2437	PIPE, VENT, TANK TO VENT PIPE, IN TRAILING EDGE, 17G x $\frac{3}{4}$ " o/d, PORT, GROUP				1	DTD323A	C	73/372
7327	569P2437	PIPE, VENT, TANK TO VENT PIPE, IN TRAILING EDGE, 17G x $\frac{3}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	73/373
7518	435P2437	PIPE, VENT, CONNECTION AT WATER METHANOL TANK, 17G x 1" x $\frac{3}{4}$ " o/d, GROUP				1	DTD323A	C	73/374
	559P2437	PIPE, DRAIN, FROM TEE PIECE, 20G x $\frac{5}{16}$ " o/d, PORT, GROUP				1	DTD323A		73/375
	560P2437	PIPE, DRAIN, FROM TEE PIECE, 20G x $\frac{5}{16}$ " o/d STARBOARD, GROUP				1	DTD323A		73/376
7999	583P2437	PIPE, DRAIN, FROM PUMP, $\frac{1}{4}$ " o/d x 20G, INBOARD, PORT, GROUP				1	DTD323A	C	73/377
	584P2437	PIPE, DRAIN FROM PUMP 20G x $\frac{1}{4}$ " o/d, INBOARD, STARBOARD, GROUP				1	DTD323A		73/378
	561P2437	PIPE, DRAIN FROM PUMP, 20G x $\frac{1}{4}$ " o/d, OUTBOARD, PORT, GROUP				1	DTD323A		73/379
	582P2437	PIPE, DRAIN FROM PUMP, 20G x $\frac{1}{4}$ " o/d, OUTBOARD, STARBOARD, GROUP				1	DTD323A		73/380

SERVICES

FUEL INSTALLATION (METHANOL WATER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHANOL WATER SYSTEM, OUT-BOARD NACELLE, PORT AND STARBOARD (449 &amp; 450P2437) (Cont'd)</b>							
7346	580P2437	PIPE, VENT, JOINT, TO PIPE IN LEADING EDGE, 20G x $\frac{3}{4}$ " o/d, PORT, GROUP				1	DTD323A	C	73/381
7347	581P2437	PIPE, VENT, JOINT, TO PIPE IN LEADING EDGE, 20G x $\frac{3}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	73/382
7975	585P2437	PIPE, TEE PIECE TO AMAL VALVE, 20G x $\frac{5}{16}$ " o/d, GROUP				1	DTD323A	C	73/345
2669	DUNLOP 125A/15	Pipe, fuel, flexible, Avery coupling to Amal valve (440P2437)				1		C	73/383
		<b>TANK, METHANOL WATER INSTALLATION, PORT AND STARBOARD (17 &amp; 18P2668)</b>				1	—		
		Spares for :—							
9684	1SS2868	Clip, bonding lead ... ..				1	—	C	73/384
	8P2668	Hose, pipe joint, $\frac{1}{2}$ " i/d x $\frac{3}{4}$ " o/d x 4" ...				1	—		573/38
		<b>MOUNTING, FOR 13 GALLON TANK (P2823)</b>							
		Spares for :—							
5346	2P2823	Bracket, tank strap attachment, L.H.				2	S3	C	73/386
5347	3P2823	Bracket, tank strap attachment, R.H.				2	S3	C	73/387
3921	5P2823	Clip, half, for bracket ... ..				16	S3 & T35	C	73/388
5338	1SS3616	Screw, adjusting, tank straps ... ..				1	S2	C	73/389
3922	6P2823	STRAP, TANK AFT, GROUP ...				1	—	C	73/390
3923	7P2823	STRAP, TANK FWD, GROUP ...				1	—	C	73/408
		Spares for :—							
3924	6bP2823	Crosshead, R.H. ... ..				1	—	C	73/510
3925	6cP2823	Crosshead, L.H. ... ..				1	—	C	73/511
	21P2668	Pipe, drain, from filler, 20G x $\frac{1}{2}$ " o/d, port				1	DTD323	C	73/391
	22P2668	Pipe, drain, from filler, 20G x $\frac{1}{2}$ " o/d, starboard				1	DTD323	C	73/392
5UE/5272	—	Pump, Methanol Water ... ..				2	—	A	73/393
2421	13P2822	<b>TANK, METHANOL WATER, PORT, GROUP</b>				1	—	A	73/394
		(See Tanks)							
2422	14P2822	<b>TANK, METHANOL WATER, STARBOARD, GROUP</b>				1	—	A	73/395
		(See Tanks)							
2777	20P2668	Washer, joint at pump ... ..				2	Halprene	C	73/396
	AMAL.								
2455	301/3/025-1	Valve, Amal ... ..				1	—	A	73/347

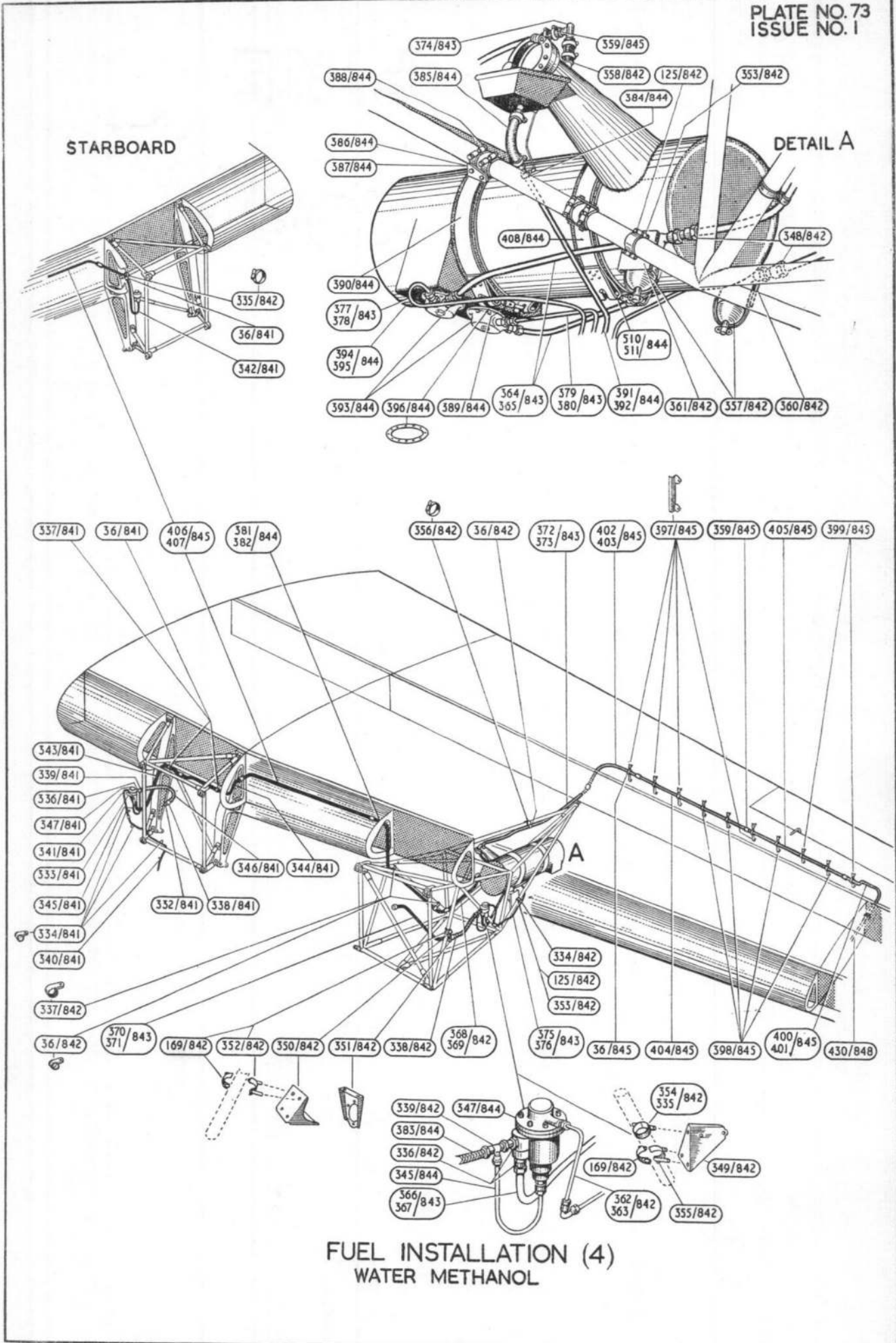
SHACKLETON Mk. 2

SERVICES

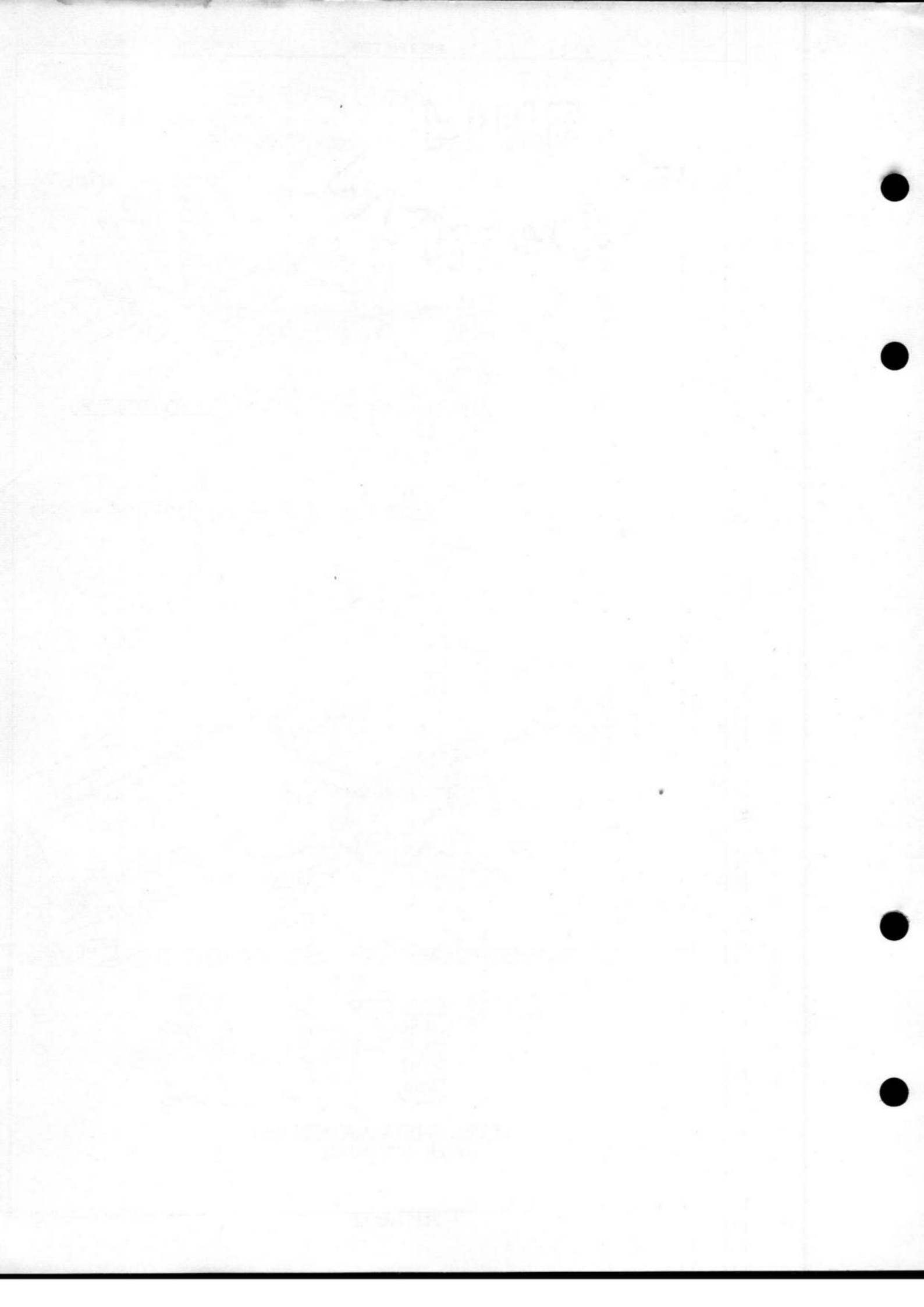
FUEL INSTALLATION (METHANOL WATER)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>METHANOL WATER SYSTEM IN OUT-BOARD TRAILING EDGE, PORT AND STARBOARD (451 &amp; 452P2437)</b>							
		Spares for:—							
	229P2437	Bracket, for pipe clip, on ribs 8, 9, 10 and 13				4	—		73/397
	230P2437	Bracket, for pipe clip, on ribs 11, 12, 14 and 16				4	—		73/398
	231P2437	Bracket, for pipe clip, on ribs 15 and 17 ...				2	—		73/399
13420	10SS3859	Clip, for pipe ... ..				10	—	C	73/36
	166P2437	Hose, joint pipe, 3/4" i/d x 1 1/8" o/d x 2 1/8" long				4	BSS6F7		73/359
3926	429P2437	<b>PIPE, BRANCH, VENT, BETWEEN RIBS 17-17B, 17G x 3/4" o/d, PORT, GROUP</b>				1	DTD323A	C	73/400
3927	430P2437	<b>PIPE, BRANCH, VENT, BETWEEN RIBS 17-17B, 17G x 3/4" o/d, STARBOARD, GROUP</b>				1	DTD323A	C	73/401
7324	566P2437	Pipe, vent, between ribs 7-8, 17G x 3/4" o/d, port				1	DTD323A	C	73/402
7325	567P2437	Pipe, vent, between ribs 7-8, 17G x 3/4" o/d, starboard				1	DTD323A	C	73/403
7316	537P2437	Pipe, vent, between ribs 13-17, 17G x 3/4" o/d				1	DTD323A	C	73/404
7317	538P2437	Pipe, vent, between ribs 8-13, 17G x 3/4" o/d				1	DTD323A	C	73/405
		<b>METHANOL WATER SYSTEM ALONG LEADING EDGE, INNER MAINPLANE (Q1478)</b>							
		Spares for:—							
	39Q1478	<b>PIPE, 3/4" o/d x 8'-9" LONG x 20G, PORT GROUP</b>				1	DTD323A		73/406
	38Q1478	<b>PIPE, 3/4" o/d x 8'-9" LONG x 20G, STARBOARD GROUP</b>				1	DTD323A		73/407





FUEL INSTALLATION (4)  
WATER METHANOL



SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION (NITROGEN)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>NITROGEN INSTALLATION ASSEMBLIES</b>							
		<b>NITROGEN SYSTEM IN CENTRE PORTION FUSELAGE AND MAINPLANE, PORT AND STARBOARD (Z5513)</b>							
		Spares for:—							
	470aP2437	Fairlead, for pipe at rib 17B, port ...	...	...	1	BSS668		74/408	
	470bP2437	Fairlead, for pipe at rib 17B, stbd. ...	...	...	1	BSS668		74/409	
	471aP2437	Fairlead, for pipe at rib 17B, port ...	...	...	1	BSS668		74/410	
	471bP2437	Fairlead, for pipe at rib 17B, stbd. ...	...	...	1	BSS668		74/411	
		<b>MOUNTING, NITROGEN PRESSURE REDUCING VALVES ON RIB 17B, PORT AND STARBOARD (1&amp;2P2933)</b>							
		Spares for:—							
	58SS3564	Adaptor, flexible pipe to Amal. reducing valve			1	—		74/412	
	164P2437	Bracket, mounting, Amal. reducing valve			1	L72		74/413	
3859	68Z2537	Clamp, Palmer reducing valve ...	...	...	1	L72	C	74/414	
3865	48Z2537	Clip, filter ...	...	...	1	L72	C	74/415	
3864	67Z2537	Clip, halve, Palmer valve ...	...	...	1	L72	C	74/416	
3305	12SS2859	Clip, pipe ...	...	...	2	—	C		
6D/808	—	Filter, nitrogen ...	...	...	1	—	A	74/417	
32C/61	113P2437	Hose, pipe joint, 1/2" i/d x 3/4" o/d x 2" long			1	BSS6F7	C	74/418	
	9P3002	Hose, pipe joint, 7/8" i/d x 1 1/4" o/d x 2 1/4" long			1	BSS6F7		74/419	
	10P3002	Hose, pipe joint, 7/8" i/d x 1 1/4" o/d x 2" long			1	BSS6F7		74/420	
6D/807	—	Nipple, pipe joint at Amal. reducing valve			1	—	A		
6D/806	—	Nut, pipe joint at Amal. reducing valve			1	—	A		
3301	1P3003	<b>PIECE, 4 WAY, PORT, GROUP</b> .....			1	—	C	74/421	
3302	2P3003	<b>PIECE, 4 WAY, STARBOARD, GROUP</b>			1	—	C	74/422	
		Spares for:—							
6D/425	—	Cap, blanking ...	...	...	1	—	A		
	85fP2190	Chain, chandelier, 3" long			1	—			
	423dP2437	Ring, split (Terry No. 169)			1	—			
	46cZ2537	Ring, split ...	...	...	1	—			

**SERVICES**  
**FUEL INSTALLATION (NITROGEN)**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>MOUNTING, NITROGEN PRESSURE REDUCING VALVES ON RIB 17B, PORT AND STARBOARD (1&amp;2P2933)</b> (Cont'd)							
	546P2437	PIPE, JOINT TO FLEXIBLE PIPE 22G x $\frac{1}{4}$ " o/d, PORT, GROUP				1	DTD323		74/423
	547P2437	PIPE, JOINT TO FLEXIBLE PIPE 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD323		74/424
1849	388P2437	PIPE, JOINT TO FILTER, 22G x $\frac{1}{4}$ " o/d, PORT, GROUP				1	DTD604	C	74/425
	389P2437	PIPE, JOINT TO FILTER, 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD604		74/426
	544P2437	Pipe, Amal. reducing valve to Palmer reducing valve, 18G x $\frac{1}{2}$ " o/d, port				1	DTD323		74/427
	545P2437	Pipe, Amal. reducing valve to Palmer reducing valve, 18G x $\frac{1}{2}$ " o/d, starboard				1	DTD323	C	74/428
1842	155P2437	PIPE, FILTER TO PALMER REDUCING VALVE, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD604	C	74/429
7424	18P3002	PIPE, JOINT TO NON-RETURN VALVE, 22G x $\frac{3}{4}$ " o/d x 10", GROUP				1	DTD323A	C	74/430
7329	19P3002	PIPE, NON-RETURN VALVE TO 4 WAY PIECE, 20G x $\frac{3}{4}$ " o/d, GROUP				1	DTD323A	C	74/431
7331	22P3002	PIPE, 4 WAY PIECE TO NON-RETURN VALVE, 20G x $\frac{7}{8}$ " o/d, PORT, GROUP				1	DTD323A	C	74/432
7330	21P3002	PIPE, 4 WAY PIECE TO NON-RETURN VALVE, 20G x $\frac{7}{8}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	74/433
7332	23P3002	PIPE, JOINT TO NON-RETURN VALVE 20G x $\frac{3}{4}$ " o/d x 6" LONG, GROUP				1	DTD323A	C	74/434
7535	23P2910	PIPE, FLEXIBLE JOINT TO AMAL. REDUCING VALVE, GROUP				1	—	C	74/435
3304	AMAL.								
6D/788	252/5	Valve, non-return ... ..				2	—	C	74/436
6D/787	—	Valve, reducing, Amal. ... ..				1	—	A	74/437
	—	Valve, reducing, Palmer ... ..				1	—	A	74/438

SERVICES

FUEL INSTALLATION (NITROGEN)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>NITROGEN SYSTEM IN CENTRE PORTION FUSELAGE AND MAINPLANE, PORT AND STARBOARD (Z5513) (Cont'd)</b>									
6D/575	—	Piece, 2 way ... ..				19	—		74/439
6D/603	—	Piece, 3 way ... ..				1	—		74/440
7303	526P2437	PIPE, VENT BETWEEN RIBS 13-16B, 17G x 1½" o/d x 5' 11" LONG, GROUP				1	DTD323A	C	74/441
7304	527P2437	PIPE, VENT BETWEEN RIBS 10A-13, 17G x 1½" o/d x 4' 11" LONG, GROUP				1	DTD323A	C	74/442
7305	528P2437	PIPE, VENT BETWEEN RIBS 8-10, 17G x 1½" o/d x 4' 9" LONG, GROUP				1	DTD323A	C	74/443
7306	529P2437	PIPE, VENT TEE-PIECE BETWEEN RIBS 10-10A, 17G 1½" o/d, GROUP				1	DTD323A	C	74/444
7315	524P2437	PIPE, VENT BETWEEN RIBS 2-6, 17G x 1½" o/d x 97" LONG, GROUP				1	DTD323A	C	74/445
7328	20P3002	PIPE, VENT CONNECTING PIECE AT RIB 17, 17G x 1¼" o/d and 1½" o/d, GROUP				1	DTD323A	C	74/446
7309	520P2437	PIPE, VENT BETWEEN RIBS 1-2, 17G x 1½" o/d x 27" LONG, PORT, GROUP				1	DTD323A	C	74/447
7417	525P2437	PIPE, VENT BETWEEN RIBS 1-2, 17G x 1½" o/d x 25" LONG, STARBOARD, GROUP				1	DTD323A	C	74/448
7418	28P2895	PIPE, VENT BRANCH AT RIB 7, 17G x 1½" o/d, PORT GROUP				1	DTD323A	C	74/449
7419	29P2895	PIPE, VENT BRANCH AT RIB 7, 17G x 1½" o/d, STARBOARD, GROUP				1	DTD323A	C	74/450
7321	548P2347	PIPE, VENT, 17G x 1½" o/d x 28" LONG, GROUP				1	DTD323A	C	74/451
1844	188P2437	PIPE, IN MAINPLANE L/E BETWEEN RIBS 14-17B, 22G x ¼" o/d, GROUP				1	DTD604	C	74/452
1843	187P2437	PIPE, IN MAINPLANE L/E BETWEEN RIBS 9-14, 22G x ¼" o/d, GROUP				1	DTD604	C	74/453
1847	305P2437	PIPE, AFT OF O/B ENGINE BULK-HEAD 22G x ¼" o/d, PORT, GROUP				1	DTD604	C	74/454
1848	306P2437	PIPE, AFT OF O/B ENGINE BULK-HEAD 22G x ¼" o/d, STARBOARD, GROUP				1	DTD604	C	74/455
6343	11Z5513	PIPE, BETWEEN ENGINES, 22G x ¼" o/d x 8" LONG, GROUP				1	DTD604	C	74/456
6341	6Z5513	PIPE, AFT OF INBOARD ENGINE BULKHEAD, 22G x ¼" o/d x 5' 0" LONG, PORT, GROUP				1	DTD604	C	74/457

## SERVICES

## FUEL INSTALLATION (NITROGEN)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>NITROGEN SYSTEM IN CENTRE PORTION FUSELAGE AND MAINPLANE, PORT AND STARBOARD (Z5513) (Cont'd)</b>							
6342	7Z5513					1	DTD604	C	74/458
	4Z5513					1	DTD604		74/459
	5Z5513					1	DTD604		74/460
	12Z5513					1	DTD604		74/461
2698	13Z5513					1	DTD604	C	74/462
	14Z5513					1	DTD604		74/463
	8Z5513					1	DTD604		74/464
2503	15Z5513					1	DTD604	C	74/465
		<b>NITROGEN SYSTEM INNER MAINPLANE, PORT AND STARBOARD (5 &amp; 6P2895)</b>							
		Spares for :—							
	25P2437					7	L72		74/466
	26P2437					7	L72		74/467
13942	1SS3867					11	L72	C	74/468
32C/446	128P2437					10	DTD625A	C	70/21
32C/375	15P3002					1	DTD625A	C	74/469
		<b>PIPING, FRONT SPAR TO NITROGEN CYLINDERS (Z6863)</b>							
		Spares for :—							
2722	A/SS855					2	—	C	74/470
2501	48Z5347					1	BSS251	C	74/471
7601	46Z5347					1	—	C	74/472
2453	1SS3859					2	—	C	
2721	2SS3859					5	—	C	
6D/1400	—					7	—	A	74/473
2723	35Q1311					1	—	C	74/474
	6aQ1317					2	BSS972		

SHACKLETON Mk. 2

SERVICES

FUEL INSTALLATION (NITROGEN)

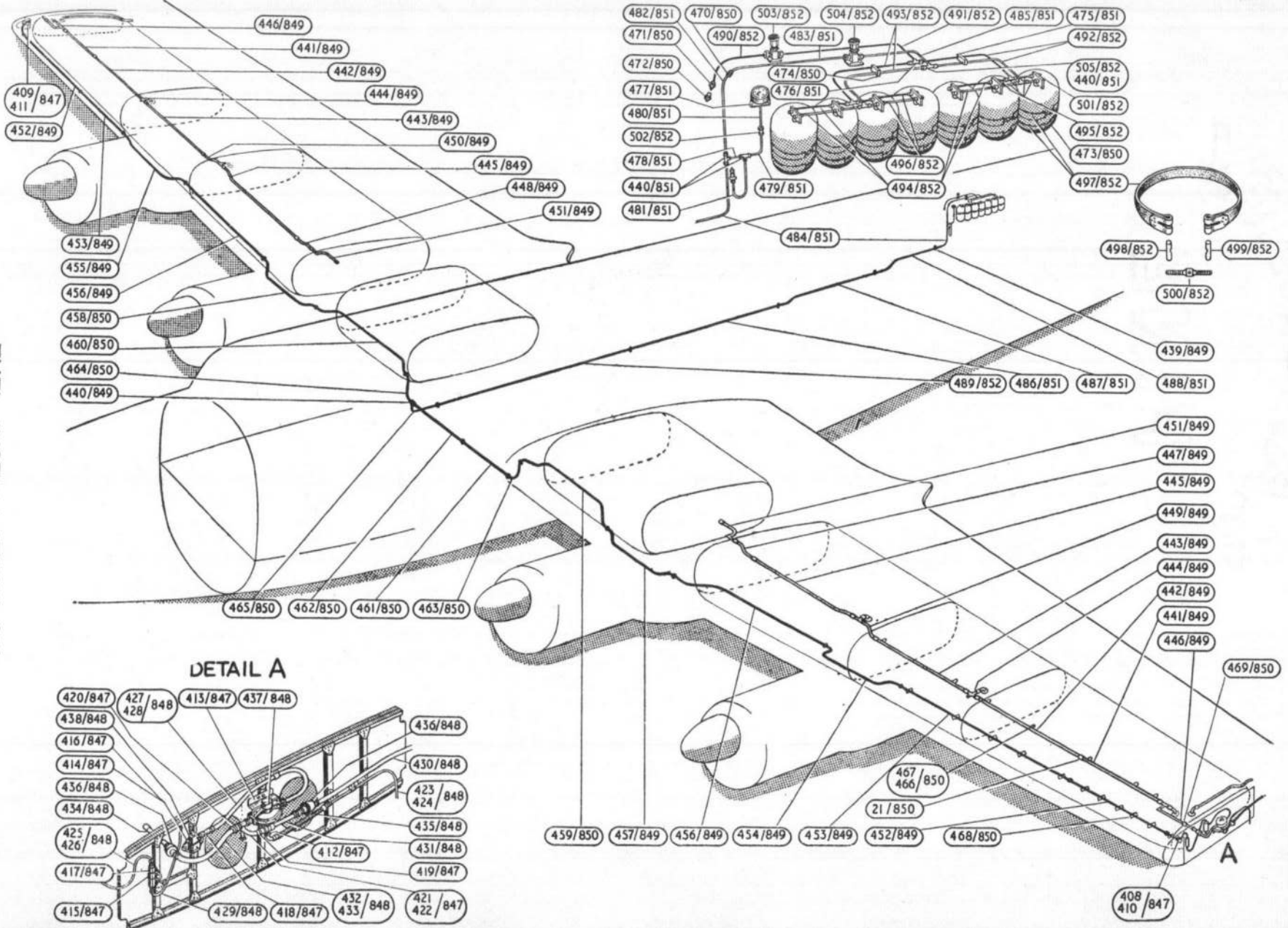
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>PIPING, FRONT SPAR TO NITROGEN CYLINDERS (Z6863) (Cont'd)</b>									
2724	13Q1627					1	—	C	74/475
6D/574	—					1	—	A	74/476
6A/2689	—					1	—	A	74/477
6D/642	—					1	—	C	
6D/642	—					1	—	C	
6D/2800	—					1	—	C	
	526SS4000					1	—		
	527SS4000					1	—		
	490SS4000					1	—		
6D/603	—					8	—	A	74/440
	3Z6863					1	DTD604		74/478
	4Z6863					1	DTD604		74/479
	5Z6863					1	DTD604		74/480
	6Z6863					1	DTD604		74/481
	7Z6863					1	DTD604		74/482
	8Z6863					1	DTD604		74/483
	9Z6853					1	DTD604		74/484
	10Z6863					1	DTD604		74/485
	20Z6863					1	DTD604		74/486
	21Z6863					1	DTD604		74/487
	23Z6863					1	DTD604		74/488

## SERVICES

## FUEL INSTALLATION (NITROGEN)

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>PIPING, FRONT SPAR TO NITROGEN CYLINDERS (Z6863) (Cont'd)</b>							
4726	3Z6514	PIPE, BETWEEN FORMERS 6-12, 22G x 1/4" o/d, GROUP				1	MONEL	C	74/489
2495	9Z6514	PIPE, ADAPTOR TO CHARGING VALVE, 22G x 1/4" o/d x 12" LONG, GROUP				1	DTD604	C	74/490
2496	10Z6514	PIPE, CHARGING, VALVE TO TEE-PIECE 22G x 1/4" o/d x 3' 0" LONG, GROUP				1	DTD604	C	74/491
2497	11Z6514	PIPE, 22G x 1/4" o/d x 22" LONG, GROUP				2	DTD604	C	74/492
2499	13Z6514	PIPE, 22G x 1/4" o/d x 24" LONG, GROUP				2	DTD604	C	74/493
2507	14Z6514	PIPE, 22G x 1/4" o/d x 12" LONG, GROUP				4	DTD604	C	74/494
2500	15Z6514	PIPE, 22G x 1/4" o/d x 6" LONG, GROUP				8	DTD604	C	74/495
2506	16Z6514	PIPE, 22G x 1/4" o/d x 14" LONG, GROUP				2	DTD604	C	74/496
2492	20Z6482	STRAP, SECURING NITROGEN CYLINDERS, GROUP				14	—	C	74/497
		Spares for :—							
1999	3SS1944	Crosshead, RH	...	...	...	1	—	C	74/498
2005	4SS1944	Crosshead, LH	...	...	...	1	—	C	74/499
26DD/10573	4SS1945	Screw, adjusting	...	...	...	1	—	C	74/500
6D/425	—	Union, blanking, Mk. 1	...	...	...	8	—	A	74/501
3272	1SS4179	Union, reducing, 1/2" x 4"	...	...	...	1	—	C	74/502
6D/796	—	Valve, charging, Mk. 8B	...	...	...	1	—	A	74/503
6D/223	—	Valve, oxygen, Mk. 8	...	...	...	1	—	A	74/504
6D/427	—	Valve, non-return, Mk. 1	...	...	...	6	—	A	74/505

FUEL INSTALLATION (5)  
NITROGEN

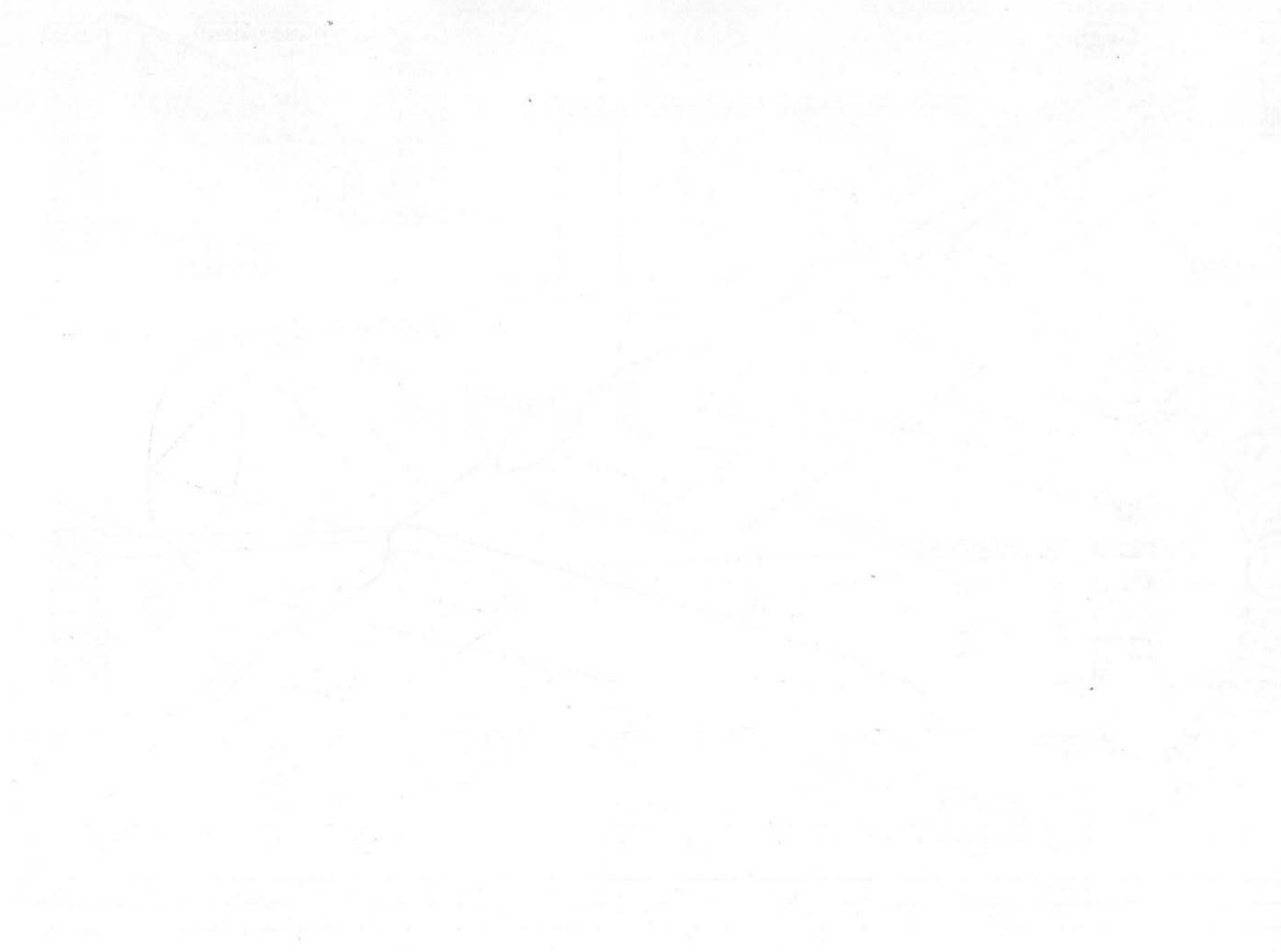


DETAIL A

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SHACKLETON Mk. 2

SERVICES

HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND VENTILATING ASSEMBLIES</b>							
		Consisting of :—							
		<b>COOLING, FOR A.D.F. RECEIVER AT NAVIGATORS AND SONO-BUOY STATION, FORMERS "2-8" (Z10513) (Mod. 988)</b>							
		Spares for :—							
	2Z10513	<b>DUCT, COOLING, AT NAVIGATORS TOP SHELF</b>				1	L59	C	
	8Z10513	<b>DUCT, COOLING, AT FAN ... ..</b>				1	L59	C	
	H3/73419	kan, Airmax (A. K. Fans Ltd.) ... ..				1	—	A	
		(See Radio and Radar—A.D.F. Installation)							
	1Z10513	<b>Guard, mesh, at navigators shelf ... ..</b>				1	—	C	
		Attachments for 1Z10513							
28D/12538	A25/14C	<b>Bolt, hex. head, 2 BA ... ..</b>				2	—	C	
28M/10288	AGS2001/C1	<b>Nut, stiff, 2 BA ... ..</b>				2	—	C	
	AS2808/5/090	<b>Tube, distance ... ..</b>				1	—	C	
	5Z10513	<b>Insert, at meshguard ... ..</b>				1	L59	C	
	7Z10513	<b>Plate, support, at navigators shelf duct ... ..</b>				1	L72	C	
	6Z10513	<b>Seal, at navigators shelf duct ... ..</b>				1	BS2752-C2	C	
	10Z10513	<b>Seal, at airmax fan duct ... ..</b>				1	BS2752-C2	C	
	11Z10513	<b>Seal, at airmax fan duct ... ..</b>				1	BS2752-C2	C	
		<b>HEATING AND DUCTING, No. 1 HEATER (Z6843)</b>							
		Spares for :—							
	1Z6836	<b>BRACKET, MOUNTING, HEATER, GROUP</b>				1	—		75/1
		Spares for :—							
26DD/10419	3SS1945	<b>Screw, adjusting straps ... ..</b>				2	S2	C	75/2
5203	2Z5608	<b>STRAP, BOTTOM, GROUP... ..</b>				2	S2	C	75/3
		Spares for :—							
1999	3SS1944	<b>Crosshead, RH ... ..</b>				1	S1	C	75/4
	4Z5608	<b>Strip, packing ... ..</b>				1	Asbestos		
5202	1Z5608	<b>STRAP, TOP, GROUP ... ..</b>				2	—	C	75/5
		Spares for :—							
2005	4SS1944	<b>Crosshead, LH ... ..</b>				1	S1	C	75/6
	6Z5608	<b>Strip, packing ... ..</b>				1	Asbestos		
	52Z6843	<b>BRACKET, MOUNTING, AIR REGULATOR, GROUP (Pre-Mod. 352)</b>				1	—		
	31Z6843	<b>Clip, ducting, at ammo. box mounting ... ..</b>				2	L72	C	
	32Z6843	<b>Clip, ducting, at former "F" ... ..</b>				2	L72	C	
	33Z6843	<b>Clip, ducting, at bomb aimer's panel ... ..</b>				1	L72	C	
13084	20SS3264	<b>Clip, ducting ... ..</b>				9	—	C	
	30SS3264	<b>Clip, ducting ... ..</b>				1	—	C	
	58Z6843	<b>Clip, ducting ... ..</b>				1	—	C	
6835	1Z7018	<b>CLIP, HEATER, GROUP ... ..</b>				2	—		75/7
		Spares for :—							
1999	3SS1944	<b>Crosshead ... ..</b>				1	S1	C	75/4
2005	4SS1944	<b>Crosshead ... ..</b>				1	S1	C	75/6
13081	1SS1945	<b>Screw, adjusting ... ..</b>				2	S2	C	75/8
	7Z7018	<b>Strip, packing, <math>\frac{1}{8}</math>" x 2" x 24" ... ..</b>				1	Asbestos		

**SERVICES**  
**HEATING AND VENTILATING**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING No. 1 HEATER (Z6843) (Contd.)</b>							
4547	108Z6843					1	L54 & L59	C	75/9
6652	86Z6843					1	L54 & L59		75/10
	18Z6843					1	Fibreglass		75/11
6848	50Z6843					1	L56		75/12
	49Z6843					1	L86		75/13
7899	1Z7398					1	—		75/14
		<b>DUCT, AIR INTAKE, GROUP ...</b>							
	85Z6843					1	L54 & L59		
4548	109Z6843					1	DTD171B	C	75/15
		<b>DUCT, air exhaust (Pre-Mod. 352) ...</b>							
		<b>DUCT, air exhaust (Mod. 352) ...</b>							
6542	1Z7399								
		<b>DUCT, C/W BUTTERFLY VALVE AIR INTAKE TO HEATER, GROUP</b>							
		Spares for :—							
5CW/4098	—					1	—	B	
		<b>Switch, micro ...</b>							
5508	65Z6843					1	DTD213 & T54	C	75/17
		<b>DUCT, combination air connection piece to heater</b>							
4788	2Z6843					1	—	C	75/18
		<b>DUCT, FROM HEATER BETWEEN FORMERS "G &amp; H", GROUP</b>							
	35Z6843					1	—		75/19
		<b>DUCT, BETWEEN FORMERS "G &amp; F" STARBOARD, GROUP</b>							
	5Z6843					1	—		75/20
		<b>DUCT, BETWEEN FORMERS "F &amp; E" STARBOARD, GROUP</b>							
	141Z6843					1	Fibreglass		75/21
	41Z6843					1	Fibreglass		75/22
	42Z6843					1	Fibreglass		75/23
		<b>DUCT, at former "G" starboard ...</b>							
		<b>DUCT, at bomb aimer's window, port ...</b>							
		<b>DUCT, at bomb aimer's window, starboard...</b>							
	43Z6843					1	—		75/24
		<b>DUCT, ACROSS FLOOR AT FORMER "K", GROUP</b>							
	10Z6843					1	Fibreglass		75/25
		<b>DUCT, above and below floor, between formers "L", "J" &amp; "K"</b>							
	9Z6843					1	Fibreglass		75/26
		<b>DUCT, under floor between formers "J", "H" &amp; "G"</b>							
	8Z6843					1	—		75/27
		<b>DUCT, ABOVE AND BELOW FLOOR FORMERS "G", GROUP</b>							
4789	30Z6843					1	Fibreglass	C	75/28
4790	46Z6843					1	Fibreglass	C	75/29
		<b>DUCT, across top of former "F" ...</b>							
		<b>DUCT, between former "F" &amp; "E", port...</b>							
	21Z6843					1	—		75/30
		<b>DUCT, ON PILOT'S FLOOR, PORT, GROUP</b>							
	22Z6843					1	—		75/31
		<b>DUCT, ON PILOT'S FLOOR, STAR- BOARD, GROUP</b>							
	6Z6843					1	Fibreglass		75/32
		<b>DUCT, along former "E", starboard ...</b>							
	45Z6843					1	—		75/33
		<b>DUCT, TO PILOT'S FLOOR, STAR- BOARD, GROUP</b>							

SERVICES  
HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 1 HEATER (Z6843) (Cont'd)</b>							
		<b>DUCTING, IN FRONT CENTRE SECTION (Z6999)</b>							
		Spares for :—							
	1Z6895	<b>DUCTING, BETWEEN FORMER E &amp; A, GROUP</b>				1	—		75/34
		Spares for :—							
	5Z6895	Duct, front portion ... ..				1	Fibreglass		
	3Z6528	Duct, centre, portion ... ..				1	DTD213		
	4Z6528	Duct, aft portion ... ..				1	DTD213 L72		
		<b>LAGGING (3Z6895)</b>							
		Consisting of :—							
5070	3bZ6895	Asbestos, Bells super light weight, ½" thick				QR	—	C	
	3cZ6895	Cloth, vinide ICI, colour 1006, grain 232, quality B				QR	—		
	3aZ6895	Thread ... ..				QR	—		
	11Z6523	Louvre ... ..				2	L72		75/35
	4Z6520	Plate, indicator ... ..				1	L72		75/36
	8Z6528	Plate, valve ... ..				1	L72		75/37
	5Z6528	Spindle ... ..				1	S21		75/38
		<b>DUCTING, TO PILOT'S WIND-SCREEN (Z6866)</b>							
		Spares for :—							
4609	9Z6047	Block, for clip ... ..				2	BSS972		
	11Z6405	Clip, pipe ... ..				4	L72	C	
	24Z6866	Duct, heating windscreen, port (Mod. 592)				1	DTD213		
	25Z6866	Duct, heating windscreen, starboard (Mod. 592)				1	DTD213		
7888	26Z6866	<b>DUCT, CONTROL VALVE, PORT, GROUP</b>				1	—	C	75/41
7621	27Z6866	<b>DUCT, CONTROL VALVE, STARBOARD, GROUP</b>				1	—	C	75/42
		Spares for :—							
5443	6Z4800	Knob ... ..				1	L40	C	
	14Z6866	Peg ... ..				1	L40		
	13Z6866	Spindle ... ..				1	L40		
	28Z6866	Duct, from sleeve joint, port ... ..				1	L54 & DTD213		75/43
	29Z6866	Duct, from sleeve joint, starboard ... ..				1	L54 & DTD213		75/44
6356	61Z6843	Sleeve, joint, 1½" i/d x 3" long ... ..				2	Hallprene 66	C	
5CW/5258 2633	—	Flamestat ... ..				1	—	A	75/45
	10Z4584	Gasket ... ..				2	Hallite	C	75/46
	1Z7015	<b>GUARD, HEATER, GROUP</b> ... ..				1	—		75/47
	6Z6696	<b>HEATER, GROUP</b> ... ..				1	—		75/48
	29Z6843	Hose, joint, 2" i/d x 3" long ... ..				2	6F7		
	47Z6843	Hose, joint, 3" i/d x 3" long ... ..				2	6F7		
	48Z6843	Hose, joint, 1½" i/d x 3" long ... ..				1	6F7		

**SERVICES**  
**HEATING AND VENTILATING**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING No. 1 HEATER (Z6843) (Cont'd)</b>							
		<b>MOUNTING, HEATER CONTROL UNIT (Z7020)</b>							
	1Z6844	Spares for :— <b>BRACKET, MOUNTING, CONTROL UNIT, GROUP</b>				1	—		75/49
	3SS1945	Spares for :— <b>Screw, adjusting straps</b> ... ..				2	—		75/2
	8Z6844	<b>STRAP, GROUP</b> ... ..				2	—		75/50
	9Z6844	<b>STRAP, GROUP</b> ... ..				2	—		75/51
27U/356	—	<b>Regulator, combustion, air (Pre-Mod. 352)</b>				1	—	A	
6359	60Z6843	<b>Sleeve, joint, 1" i/d x 3" long...</b> ... ..				4	Hallprene 66	C	
6356	61Z6843	<b>Sleeve, joint, 1<math>\frac{3}{8}</math>" i/d x 3" long</b> ... ..				9	Hallprene 66	C	
6357	62Z6843	<b>Sleeve, joint, 1<math>\frac{3}{4}</math>" i/d x 3" long</b> ... ..				6	Hallprene 66	C	
6358	63Z6843	<b>Sleeve, joint, 2<math>\frac{1}{4}</math>" i/d x 3" long</b> ... ..				2	Hallprene 66	C	
6355	64Z6843	<b>Sleeve, joint, 2<math>\frac{3}{4}</math>" i/d x 3" long</b> ... ..				3	Hallprene 66	C	
5CW/4299	—	<b>Switch, fuel pressure</b> ... ..				1	—	A	75/52
5CW/4259	—	<b>Switch, air pressure</b> ... ..				1	—	B	75/53
27U/268	—	<b>Unit, heater control</b> ... ..				1	—	A	75/54
3252	1Z7067	<b>VALVE, COMBUSTION AIR, GROUP (Mod. 352)</b>				1	—	A	75/55
		Spares for :—							
3287	6Z7067	<b>Bar, retaining</b> ... ..				1	S80	C	75/56
3288	3Z7067	<b>Plate, cover</b> ... ..				1	L72	C	75/57
3289	7Z7067	<b>Plate, cover</b> ... ..				1	L72	C	75/58
3286	5Z7067	<b>Spring</b> ... ..				1	—	C	75/59
3285	4Z7067	<b>Valve, body</b> ... ..				1	DTD248	C	75/60

SHACKLETON Mk. 2

SERVICES

HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 1 HEATER (Z6843) (Cont'd)</b>							
		<b>VENT AND DRAIN, No. 1 HEATER</b>							
		Spares for :—							
2453	1SS3859	Clip, pipe	...	...	...	2	—	C	
7268	1SS3512	Clip, pipe	...	...	...	2	—	C	
	3SS3405	Clip, pipe	...	...	...	1	—	C	
4605	4D5151	Fairing, drain outlet	...	...	...	1	L72	C	75/61
	112Z6843	PIPE, AIR PRESSURE SWITCH TO ATMOSPHERE, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/62
	117Z6843	PIPE, AIR PRESSURE SWITCH TO AIR INTAKE, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/63
	75Z6843	PIPE, HEATER CONTROL UNIT TO REDUCING UNION, $\frac{3}{8}$ " o/d x 20G, GROUP				1	—		75/64
	140Z6843	PIPE, HEATER TO TEE-PIECE, $\frac{1}{4}$ " o/d x 20G, GROUP				1	—		75/65
	90Z6843	PIPE, TEE-PIECE TO PIPE COUPLING, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/66
	91Z6843	PIPE, COUPLING TO DRAIN OUTLET, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/67
	92Z6843	PIPE, FUEL PRESSURE SWITCH TO PIPE COUPLING, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/68
	93Z6843	PIPE, REDUCING UNION TO PIPE COUPLING, $\frac{3}{16}$ " o/d x 20G, GROUP				1	—		75/69
	95Z6843	PIPE, TEE-PIECE TO TEE-PIECE, $\frac{1}{4}$ " o/d x 20G, GROUP				1	—		75/70
	100Z6843	PIPE, TEE-PIECE TO HEATER, $\frac{1}{4}$ " o/d x 20G, GROUP				1	—		75/71

**SERVICES**  
**HEATING AND VENTILATING**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 2 HEATER (Z6315)</b>							
2632	1Z6333	Spares for :— <b>BELLOW, AIR EXHAUST, GROUP</b>				1	--	C	75/72
	18Z4585	<b>BOX, RETURN, GROUP</b> ... ..				1	--		75/73
	1Z6620	<b>BRACKET, MOUNTING HEATER, GROUP</b>				1	--		75/74
	4Z6620	Spares for :— <b>CRADLE, HEATER, GROUP</b> ...				1	--		
	3SS1945	Screw, adjusting straps ... ..				2	--		75/2
5202	1Z5608	<b>STRAP, TOP, GROUP</b> ... ..				2	--	C	75/5
5203	2Z5608	<b>STRAP, BOTTOM, GROUP</b> ... ..				2	--	C	75/3
	16Z6315	Bracket, mounting air regulator (Pre. Mod. 352)				1	L72		
	64Z4585	<b>BRACKET, PIPE, HANGER, GROUP</b>				1	--		75/75
	96Z4585	<b>CLIP, PIPE TO BUNKS, GROUP</b> ...				2	--		75/76
	95Z4585	<b>CLIP, PIPE TO BUNKS, GROUP</b> ...				2	--		75/77
	42Z3257	<b>CLIP, DUCT AT RETURN BOX, GROUP</b>				3	--		75/78
4630	72Z4585	<b>CLIP, DUCT, SUPPORT BELOW HEATER, GROUP</b>				1	--	C	75/79
4631	39Z4585	Clip, turret duct support ... ..				4	L72	C	75/80
3993	1Z4747	<b>CLIP, DUCT JOINTING, GROUP</b> ...				1	--	C	75/81
13084	20SS3264	Clip, pipe ... ..				4	--	C	
	8SS3645	Clip, spring ... ..				1	--		
	9SS3645	Clip, spring ... ..				1	--		
4632	92Z4585	Cone, reducing pipe to bunk ... ..				1	T9	C	75/82
3282	62Z6315	Connection, combustion air valve (Mod. 352)				1	L54 & L59	C	75/83
	1Z7126	<b>DUCT, BELOW W/O TABLE AT FORMER "A" GROUP</b>				1	--		75/84
		Spares for :—							
	11Z6523	Louvre (grille) ... ..				1	L72		75/35
5309	12Z6523	Plate, indicator ... ..				1	L72	C	75/85
5104	1Z7127	<b>DUCT FWD. OF NAVIGATOR'S PANEL FORMERS 1 &amp; 2 GROUP</b>				1	--	C	75/86
	16Z6198	<b>DUCT BETWEEN FORMERS 2-5, GROUP</b>				1	--		75/87
		Spares for :—							
1586	Thermotank B.S.3	Louvre, "Punka" ... ..				2	--	C	75/88
	12Z6523	Plate, indicator ... ..				1	L72		75/85

SHACKLETON Mk. 2

SERVICES  
HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 2 HEATER (Z6315) (cont'd)</b>							
	1Z6226	DUCT, FRONT SPAR TO NAVIGATOR'S PLATFORM, GROUP				1	—		75/89
	1Z6228	DUCT, JOINT AT FRONT SPAR, GROUP				1	—		75/90
	56Z4585	DUCT ADAPTOR BETWEEN FORMERS 6-8, GROUP				1	—		75/91
	28Z4585	DUCT, BETWEEN FORMERS 8-11, GROUP				1	—		75/92
	27Z4585	DUCT BETWEEN FORMERS 11-12, GROUP				1	—		75/93
	1Z6527	DUCT FEED TO RADAR OPERATOR BETWEEN FORMERS 9-10, GROUP							75/94
		Spares for :—							
	11Z6523	Louvre (grille) ... ..				2	L72		75/35
	4Z6520	Plate, indicator ... ..				1	L72		75/36
6348	4Z6315	DUCT ADAPTOR BETWEEN FORMERS 12-15, GROUP				1	—		75/95
	15Z6315	DUCT TO RETURN BOX, GROUP				1	—		75/96
4871	1Z6548	DUCT, REDUCING, RETURN BOX TO HEATER, GROUP				1	—	C	75/97
4624	77Z4585	DUCT, SUPPLY, ASTRO DOME FROM NAVIGATOR'S PLATFORM, GROUP				1	—	C	75/96
4625	78Z4585	DUCT, SUPPLY, ASTRO DOME FROM JOINT TO FLEXIBLE TUBE, GROUP				1	—	C	75/99
4639	87Z4585	DUCT, CROSS FEED TO BUNKS, GROUP				1	—	C	75/100
4640	60Z6315	DUCT, VERTICAL FEED TO BUNKS, LOWER, GROUP				1	—	C	75/101
4641	89Z4585	DUCT, VERTICAL FEED TO BUNKS, UPPER, GROUP				1	—	C	75/102
		Spares for :—							
	11Z6523	Louvre (grille) ... ..				1	—		75/35
4643	32Z6315	DUCT, HORIZONTAL FEED BUNKS, GROUP				1	—	C	75/103
4644	69Z4585	Duct, turret feed, starboard ...				1	DTD213 & L54	C	75/104
6350	11Z6315	Duct, blanking, turret feed ... ..				1	—	C	

**SERVICES**  
**HEATING AND VENTILATING**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>HEATING AND DUCTING, No. 2 HEATER (Z6315) (Cont'd)</b>							
2827	1Z6903	<b>ELBOW, REDUCING AIR INTAKE C/W BUTTERFLY VALVE, GROUP</b>				1	—	C	75/107
	3Z6903	Spares for :— Guard plate, for handle ... ..				1	—		
4723	4Z6900	<b>HANDLE, GROUP</b> ... ..				1	—	C	75/206
5CW/4098	—	Switch, micro ... ..				1	—	A	
4636	9Z6315	<b>ELBOW AT AIR REGULATOR VALVE, GROUP</b>				1	—	C	75/108
2623	26Z6315	Elbow, exhaust pipe at heater ... ..				1	DTD171B	C	75/109
4635	31Z6315	<b>ELBOW CONNECTING BUNK DUCT AT FORMER 16A, GROUP</b>				1	—	C	75/110
4633	34Z6315	<b>ELBOW CONNECTING BUNK DUCT AT FORMER 19, GROUP</b>				1	—	C	75/111
4605	4D5151	Fairing, drain outlet ... ..				1	L72	C	75/61
5CW/4258	—	Flamestat at duct between formers 16-16A				1	—	A	75/45
2633	10Z4584	Gasket, joint at air exhaust bellow and pipe				3	Hallite	C	75/46
3266	24Z4584	Gasket, joint duct at former 12 ... ..				1	Hallite	C	75/112
2634	7Z6316	Gasket, joint at air exhaust bellows... ..				1	Hallite	C	75/113
4637	73Z4585	<b>GUARD, FUEL HEATER, GROUP</b> ...				1	—	C	75/114
		Consisting of :—							
	73aZ4585	Guard, half ... ..				1	DTD610		
	73bZ4585	Guard, half ... ..				1	DTD610		
2625	1Z6655	<b>GUARD, EXHAUST PIPE, GROUP</b> ...				1	—	C	75/115
	1Z9461	<b>GUARD, HEATER DUCT, BETWEEN FORMERS 9-10, GROUP</b>				1	—		75/116
	2Z6696	<b>HEATER, (c/w, two clamping bands type xi/1), GROUP</b>				1	—		75/117
	11Z6253	Louvre (grille) bunk ducts ... ..				2	L72		75/35
		<b>MOUNTING, FUEL PRESSURE SWITCH BETWEEN FORMERS 14-15, No. 2 HEATER, GROUP (Z6613)</b>							
		Spares for :—							
2704	2Z6612	Bracket, mounting switch, RH ... ..				1	L72	C	76/118
2705	3Z6612	Bracket, mounting switch, LH ... ..				1	L72	C	76/119
2706	4Z6612	<b>PLATE, MOUNTING BRACKETS, GROUP</b>				1	—	C	76/120
5CW/4299		Switch, fuel pressure ... .. (See Fuel Installation—Heaters)				1	—	A	75/52

SHACKLETON Mk. 2

SERVICES

HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>MOUNTING, FUEL CONTROLLER BETWEEN FORMERS 13-14, No. 2 HEATER, GROUP (Z6315)</b>							
	6Z6351	Spares for :— <b>Angle, mounting heater controller bracket, bottom</b> ... ..				1	DTD610		76/121
	7Z6351	<b>Angle, mounting heater controller bracket, top</b> ... ..				1	DTD610		76/122
	4Z6351	<b>Bracket, angle</b> ... ..				2	DTD610		76/123
	5Z6351	<b>Bracket, angle</b> ... ..				2	DTD610		76/124
3790	1Z6868	<b>BRACKET, MOUNTING, HEATER CONTROLLER, GROUP</b>				1	—	C	76/125
		Spares for :—							
26DD/10419	3SS1945	<b>Screw, adjusting straps</b> ... ..				2	—	C	75/2
3905	5Z6348	<b>STRAP, TOP, GROUP</b> ... ..				2	—	C	76/126
		Spares for :—							
13776	1SS1944	<b>Crosshead, RH</b> ... ..				2	—	C	
3906	6Z6348	<b>STRAP, BOTTOM, GROUP</b> ... ..				2	—	C	76/127
		Spares for :—							
26DD/14129	2SS1944	<b>Crosshead, LH</b> ... ..				2	—	C	
27U/268	—	<b>Controller, heater</b> ... .. (See Fuel Installation—Heaters)				1	—	A	75/54
4619	1Z6286	<b>NOZZLE AT ASTRO DOME, GROUP</b>				1	—	C	75/128
		Consisting of :—							
		<b>BRACKET, VALVE AND LEVER (5Z6286)</b>							75/129
		Spares for :—							
	6Z6286	<b>Bracket, control valve</b> ... ..				1	DTD213A		
	AT31171	<b>Collar</b> ... ..					S80		
4620	7Z6286	<b>LEVER, CONTROL, GROUP</b> ... ..				1	—	C	75/207
		Spares for :—							
13445	AT31154	<b>Spring</b> ... ..				1	—	C	75/208
4621	2Z6286	<b>Nozzle</b> ... ..				1	DTD213	C	
28L/753	A16Y/CT	<b>Nut, thin, 2 BA</b> ... ..				1	—	C	
28P/12431	SP9/C6	<b>Pin, split, 1/16" dia. x 3/4" long</b> ... ..				1	—	C	
4622	3Z6286	<b>PLATE, VALVE AND SPINDLE, GROUP</b>				1	—	C	75/130
		Spares for :—							
28Q/9371	AGS2050/319	<b>Rivet, pop. 1/8" dia.</b> ... ..				4	—	C	
28W/12496	SP15/E	<b>Washer, 1/4"</b> ... ..				1	—	C	
	1Z6618	<b>PANEL, TRIMMING, BETWEEN FORMERS 13-16A, PORT, GROUP</b>				1	—		76/131
2624	27Z6315	<b>Pipe, air exhaust (Pre.Mod. 352)</b> ... ..				1	—		
3281	61Z6315	<b>Pipe, air exhaust (Mod. 352)</b> ... ..				1	—	C	76/132
4638	2Z6315	<b>Pipe, combustion air</b> ... ..				1	T9	C	76/133
27U/356	—	<b>Regulator, air flow (Pre.Mod. 352)</b> ... ..				1	—		
2626	1Z6322	<b>SCOOP, COMBINED AIR, GROUP</b> ... ..				1	—	C	76/134

## SERVICES

## HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>HEATING AND DUCTING, No. 2 HEATER (Z6315) (Cont'd)</b>									
49	67Z4585	Sleeve, joint, duct mid upper turret feed				1	DTD213		76/135
4650	93Z4585	Sleeve, joint, bunk ducts ... ..				5	DTD213		76/136
4626	94Z4585	Sleeve, joint, bunk ducts ... ..				2	DTD213		76/137
1372	110Z4586	Sleeve, joint duct, radar operator ...				1	DTD213		76/138
	49Z4585	Tube, flexible at astro dome, 1 $\frac{1}{4}$ " bore x 3' 6" long				1	—	C	76/139
3252	1Z7067	<b>VALVE, COMBUSTION, AIR, GROUP (Mod. 352)</b>				1	—	A	75/55
		Spares for :—							
3287	6Z7067	Bar, retaining ... ..				1	S80	C	75/56
3288	3Z7067	Plate, cover ... ..				1	DTD610	C	75/57
3289	7Z7067	Plate, cover ... ..				1	DTD610	C	75/58
3286	5Z7067	Spring ... ..				1	—	C	75/59
3285	4Z7067	Valve, body ... ..				1	DTD248	C	75/60
<b>VENT AND DRAIN, No. 2 HEATER</b>									
		Spares for :—							
2453	1SS3859	Clip, pipe ... ..				4	—	C	32/65
	2SS3859	Clip, pipe ... ..				1	—		
	1SS3512	Clip, pipe ... ..				2	—		
	2SS3329	Clip, pipe ... ..				1	—		
	42Z6315	Clip, pipe ... ..				1	—		
4605	4D5151	Fairing, drain outlet ... ..				1	DTD610	C	75/61
	50Z6315	Hose, joint rubber ... ..				2	—		
	28Z6315	<b>PIPE, VENT AIR REGULATOR TO EXHAUST, <math>\frac{1}{4}</math>" o/d x 20G, GROUP (Pre.Mod. 352)</b>				1	—		
	13Z6315	<b>PIPE, HEATER TO TEE-PIECE REAR, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		76/140
	14Z6315	<b>PIPE, HEATER TO TEE-PIECE FRONT, <math>\frac{1}{4}</math>" o/d x 20G, GROUP</b>				1	DTD323		76/141
	23Z6315	<b>PIPE, REDUCING UNION TO FOUR-WAY PIECE, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD423		76/142
2714	45Z6315	<b>PIPE, TEE-PIECE TO FOUR-WAY PIECE, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD432	C	76/143
2715	46Z6315	<b>PIPE, FOUR-WAY PIECE TO DRAIN OUTLET, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD432	C	76/144
2712	37Z6315	<b>PIPE, FUEL CONTROLLER TO REDUCING UNION, <math>\frac{3}{8}</math>" o/d x 20G, GROUP</b>				1	DTD432	C	76/145
2713	38Z6315	<b>PIPE, FUEL PRESSURE SWITCH TO FOUR-WAY PIECE, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD432	C	76/146
	51Z6315	<b>PIPE, REDUCING DUCT TO TEE-PIECE, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		76/147
	52Z6315	<b>PIPE, TEE-PIECE TO DRAIN OUTLET, <math>\frac{1}{4}</math>" o/d x 22G, GROUP</b>				1	DTD323		76/148
	53Z6315	<b>PIPE, REDUCING ELBOW DUCT TO TEE-PIECE, <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		76/149

SHACKLETON Mk. 2

SERVICES  
HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 3 HEATER (Z6869)</b>							
2632	1Z6333	Spares for :— <b>BELLOWS, AIR EXHAUST, GROUP</b>				1	—	C	75/72
4986	31Z4586	<b>BRACKET, MOUNTING HEATER, GROUP</b>				1	—	B	76/150
26DD/10419	3SS1945	Spares for :— Screw, adjusting straps ... ..				1	—	C	
4652	31d.Z4586	<b>STRAP, HEATER, RH, GROUP ...</b>				1	—	C	76/151
4653	31f.Z4586	<b>STRAP, HEATER, LH, GROUP ...</b>				1	—	C	76/152
	32Z4586	<b>BRACKET, SUPPORT, OUTLET ELBOW, GROUP</b>				1	—		76/153
	1Z7160	<b>BRACKET, MOUNTING FLAMESTAT, GROUP</b>				1	S3		76/154
	47Z4586	Bracket, clip duct support below floor at former 30, 31 and 32				3	S3		76/155
	70Z6869	Bracket, clip, duct support below floor at former 33				1	S3		76/156
	23Z6869	Bracket, clip, duct support below floor at former 28, 29 and 34				3	S3		76/157
7934	22Z6869	<b>CAP, BLANKING STUB PIPE AT FORMER 44, GROUP</b>				1	—		76/158
	47aZ4586	Clip, half, for bracket at formers 30, 31 and 32				3	S3		76/159
	23aZ6869	Clip, half, for bracket at formers 28, 29 and 34				3	S3		76/160
	69aZ6869	Clip, half, for bracket at former 33 ... ..				1	S3		76/161
3993	1Z4747	<b>CLIP, DUCT JOINTING, GROUP ...</b>				2	—	C	76/162
3992	1Z4552	<b>CLIP, EXHAUST PIPE, GROUP ...</b>				1	—	C	76/163
		Consisting of :—							
28D/12515	A25/10C	Bolt, hex.hd, 2 BA x 1,000 plain... ..				2	—	C	
5097	2Z4552	Clip, half ... ..				2	—		
28M/10288	AGS2011/C/1	Nut, stiff, 2 BA ... ..				2	—	C	
28W/3071	AGS160/C	Washer ... ..				2	—	C	
4657	18Z6869	Clip, half, at former 27 ... ..				2	L72		
	65Z4586	Clip, ducting, 2½" i/d ... ..				1	L72	C	
	36Z6869	Cover, diffuser ... ..				2	DTD213A		76/164
3284	32Z6484	Connection, combustion air valve (Mod. 352)				1	L54 & L59	C	76/165

**SERVICES**  
**HEATING AND VENTILATING**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 3 HEATER (Z6869) (Cont'd)</b>							
4985	14Z6869					1	—	C	76/166
	13Z6869					1	—		76/167
4984	12Z6869					1	—	C	76/168
	4Z6869					1	—		76/169
	5Z6869					1	—		76/170
	62Z6869					1	—	C	76/171
	63Z6869					1	—	C	76/172
5340	8Z6869					1	—	C	76/173
5373	29Z6869					1	—	C	76/174
5129	9Z6869					1	—	C	76/175
	1Z7233					2	DTD213A		76/176
6863	26Z6869					1	—	C	76/177
4666	3Z6484					1	—	C	76/178
4658	1Z6520					1	—	C	76/179

SHACKLETON Mk. 2

## SERVICES

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## HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 3 HEATER (Z6869) (Cont'd)</b>							
4659	1Z6900	<b>ELBOW, AIR INLET, GROUP ...</b>				1	—	C	76/180
	11Z6900	Spares for :— <b>Guard, indicator ...</b>				1	L72		
	3Z6900	<b>HANDLE, GROUP ...</b>				1	—		
5CW/4098	—	<b>Switch, micro ...</b>				1	—	B	
2627	10Z6484	<b>ELBOW, FLANGED, FOR EXHAUST FOR BELLOWS, GROUP</b>				1	—	C	76/181
4605	4D5151	<b>Fairing, drain outlet ...</b>				1	L72	C	75/61
7084	17Z6484	<b>Fairlead, half, for combustion air pipe ...</b>				2	BSS668		76/182
7085	19Z6484	<b>Fairlead, half, for air inlet duct ...</b>				2	BSS668		76/183
	107Z4584	<b>Fairlead, half, for exhaust pipe ...</b>				2	L72		76/184
5CW/4258	—	<b>Flamestat, below floor at former 29 ...</b>				1	—	A	75/45
2633	10Z4584	<b>Gasket, joint at air bellows ...</b>				4	Hallite	C	75/46
2634	7Z6316	<b>Gasket, air bellows pipe ...</b>				1	Hallite	C	75/112
1400	84Z4586	<b>GUARD, ELBOW OUTLET, GROUP</b>				1	—	C	76/185
2631	1Z6656	<b>GUARD, EXHAUST PIPE, GROUP</b>				1	—	C	76/186
4661	2Z3388	<b>Head, diffuser ...</b>				2	DTD59A	C	76/187
	3Z6696	<b>HEATER (C/W TWO CLAMPING BANDS, TYPE XI/X) GROUP</b>				1	—		76/188
		<b>MOUNTING, FUEL PRESSURE SWITCH BETWEEN FORMERS 28-29, No. 3 HEATER (Z6614)</b>							
		Spares for :—							
2704	2Z6612	<b>Bracket, mounting, switch, RH ...</b>				1	L72	C	76/118
	3Z6612	<b>Bracket, mounting, switch, LH... ..</b>				1	L72		76/119
5CW/4299	—	<b>Switch, fuel pressure ...</b> (See Fuel Installation—Heaters)				1	—	A	75/52
		<b>MOUNTING, FUEL CONTROLLER BETWEEN FORMERS 28-29, No. 3 HEATER, GROUP (1Z7034)</b>							
		Spares for :—							
	2Z6347	<b>ANGLE, SUPPORT, GROUP ...</b>				2	L72		
3790	1Z6868	<b>BRACKET, MOUNTING, HEATER CONTROLLER, GROUP</b>				1	—	C	76/125
		Spares for :—							
27U/268	—	<b>Controller, heater ...</b>				1	—	A	75/54
26DD/10419	3SS1945	<b>Screw, adjusting straps ...</b>				2	—		75/2
3905	5Z6348	<b>STRAP, TOP, GROUP ...</b>				2	—	C	76/126
		Spares for :—							
13776	1SS1944	<b>Crosshead, RH ...</b>				2	—	C	75/209
3906	6Z6348	<b>STRAP, BOTTOM, GROUP ...</b>				2	—	C	76/127
		Spares for :—							
26DD/14129	2SS1944	<b>Crosshead, LH ...</b>				2	—	C	75/210

## SERVICES

## HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 3 HEATER (Z6869) (Cont'd)</b>							
4982	6Z6484	PIPE, COMBUSTION, AIR REGULATOR VALVE TO JOINT, GROUP				1	—	C	76/189
4667	7Z6484	PIPE, COMBUSTION AIR INLET, GROUP				1	—	C	76/190
4665	4Z6484	PIPE, COMBUSTION AIR FROM HEATER TO AIR REGULATOR VALVE, GROUP				1	—	C	76/191
2628	11Z6484	PIPE, EXHAUST AIR FROM BELLOWS TO JOINT, GROUP (Pre. Mod. 352)				1	—	C	
2629	12Z6484	PIPE, EXHAUST AIR FROM JOINT TO OUTLET, GROUP				1	—	C	76/192
3283	31Z6484	PIPE, EXHAUST, BELLOWS TO JOINT, GROUP (Mod. 352)				1	—	C	76/193
	33Z6869	PIPE, TEE-PIECE TO FOUR-WAY PIECE, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/203
	38Z6869	PIPE, JOINT ADAPTOR TO FUEL CONTROLLER, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/204
	50Z6869	PIPE, FUEL PRESSURE SWITCH TO TEE PIECE $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/196
	47Z6869	PIPE, HEATER TO TEE PIECE FRONT, $\frac{1}{4}$ " o/d x 22G, GROUP				1	—		76/197
	31Z6869	PIPE, HEATER TO TEE PIECE FRONT, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/198
	32Z6869	PIPE, HEATER TO TEE PIECE REAR, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/199
	49Z6869	PIPE, HEATER TO TEE PIECE REAR, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/200
	55Z6869	PIPE, JOINT ADAPTOR TO FUEL CONTROLLER, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/201
	54Z6869	PIPE, TEE PIECE TO DRAIN OUTLET FRONT, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/202
	59Z6869	PIPE, TEE PIECE TO ADAPTOR, $\frac{3}{16}$ " o/d x 22G, GROUP				1	—		76/205
27U/356	—	Regulator, combustion air (Pre. Mod. 352)				1	—	A	
4676	111Z4586	Sleeve, jointing duct, 2" dia. at diffuser head				1	DTD213	C	75/211
4672	3Z4552	Sleeve, jointing exhaust pipe at air intake scoop				1	S84	C	76/212
	62Z6843	Sleeve, jointing duct, $1\frac{3}{4}$ " i/d x $\frac{1}{8}$ " x 3" long				7	Hallprene 66		

SERVICES

HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HEATING AND DUCTING, No. 3 HEATER (Z6869) (Con'td)</b>							
	40Z6869	Sleeve, joint duct, 3½" o/d x 1/16" x 2-7/16" long				2	Hallprene 66		
	5Z6484	Sleeve, joint hose, 2½" o/d x 2" i/d x 2½" long				1	F7		
	8Z6484	Sleeve, joint hose, 1½" o/d x 15 i/d x 2½" long				2	F7		
	27Z6869	Sleeve, joint duct, 1½" dia. at diffuser head				2	DTD213		
1372	49Z4585	Tube, flexible, to camera housing ... ..				2	—	C	76/194
3252	1Z7067	<b>VALVE, COMBUSTION AIR, GROUP (Mod. 352)</b>				1	—	A	75/55
		Spares for :—							
3287	6Z7067	Bar, retaining ... ..				1	S80	C	75/56
3288	3Z7067	Plate, cover... ..				1	DTD610	C	75/57
3289	717067	Plate, vocer... ..				1	DYD610	C	75/58
3286	5Z7067	Spring ... ..				1	—	C	75/59
3285	4Z7067	Valve, body ... ..				1	DTD248	C	75/60
		<b>VENT AND DRAIN, No. 3 HEATER</b>							
		Spares for :—							
4629	SS4125	Adaptor, drain at heater ... ..				1	—	C	76/195
2453	1SS3859	Clip, pipe drain ... ..				9	—	C	
	2SS3859	Clip, pipe drain ... ..				1	—		
4605	4D5151	Fairing, drain outlet ... ..				1	DTD610	C	75/61
	A.SS1452	Flange, female, for adaptor at drain outlet				2	—		



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SERVICES

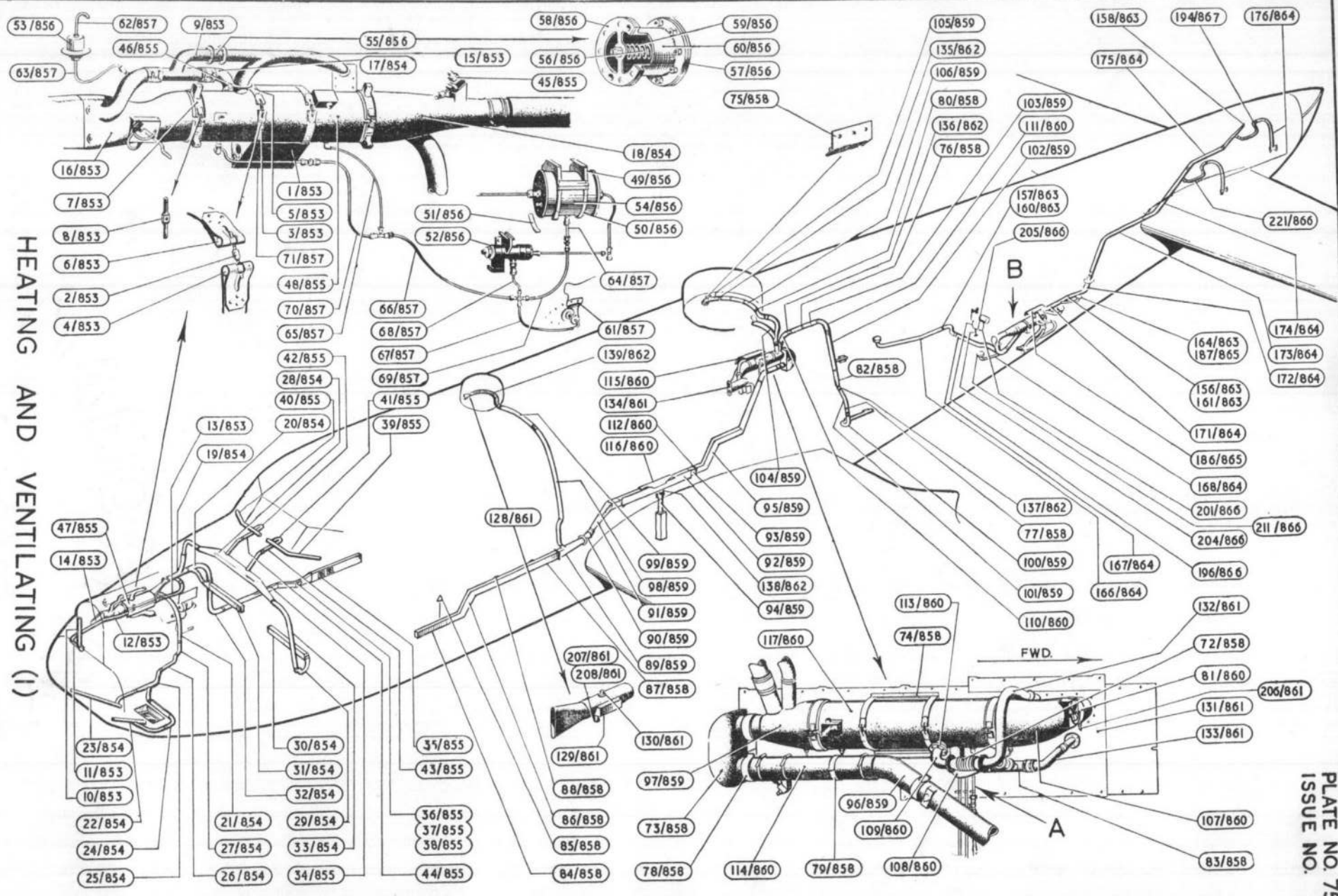
HEATING AND VENTILATING

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED HEATING AND VENTILATING SYSTEM</b>									
28F/9838	AGS1104/A	<b>Adaptor</b> , cone for pipe, $\frac{3}{16}$ " o/d				5	—	C	
28D/12621	A25/2A	<b>Bolt</b> , hex:hd, 6 BA x 0.1", plain				2	—	C	
28D/12512	A25/1C	<b>Bolt</b> , hex:hd, 2 BA x 0.1" plain				154	—	C	
28D/12513	A25/2C	<b>Bolt</b> , hex:hd, 2 BA x 0.2" plain				90	—	C	
28D/12531	A25/3C	<b>Bolt</b> , hex:hd, 2 BA x 0.3", plain				48	—	C	
28D/12707	A25/1E	<b>Bolt</b> , hex:hd, $\frac{1}{4}$ " BSF x 0.1" plain				4	—	C	
28D/8341	AS1248/1C	<b>Bolt</b> , mush:hd, 2 BA x 0.1", plain				22	—	C	
28D/8316	AS1242	<b>Bolt</b> , csk:hd, 2 BA x 1.3", plain				16	—	C	
28E/8183	MK.1	<b>Clip</b> , hose, type "J" for pipes $\frac{7}{8}$ " o/d to 1 $\frac{1}{2}$ " o/d				20	—	C	
28E/8184	MK.2	<b>Clip</b> , hose, type "J" for pipes 1 $\frac{1}{2}$ " o/d to 2 $\frac{1}{8}$ " o/d				54	—	C	
28E/8185	MK.3	<b>Clip</b> , hose, type "J" for pipes 2 $\frac{1}{2}$ " o/d to 2 $\frac{3}{4}$ " o/d				20	—	C	
28E/8186	MK.4	<b>Clip</b> , hose, type "J" for pipes 2 $\frac{3}{4}$ " o/d to 3 $\frac{1}{2}$ " o/d				20	—	C	
28E/8187	MK.5	<b>Clip</b> , hose, type "J" for pipes 3 $\frac{1}{2}$ " o/d to 4 $\frac{1}{8}$ " o/d				7	—	C	
28F/9735	AGS1142/A	<b>Nipple</b> , adaptor				4	—	C	
28M/10288	AGS2001/C/1	<b>Nut</b> , stiff, 2 BA				235	—	C	
28F/9725	AGS1123/A	<b>Piece</b> , 4 way, $\frac{3}{16}$ " x $\frac{3}{16}$ " x $\frac{3}{16}$ " x $\frac{3}{16}$ "				2	—	C	
28F/10020	AGS1120/1	<b>Piece</b> , tee, $\frac{3}{4}$ " x $\frac{1}{4}$ " x $\frac{3}{16}$ "				3	—	C	
28F/10782	AGS1118/A	<b>Piece</b> , tee, $\frac{3}{16}$ " x $\frac{3}{16}$ " x $\frac{3}{16}$ "				1	—	C	
28F/10509	AGS1107/A	<b>Union</b> , reducing cone, $\frac{1}{4}$ "- $\frac{3}{16}$ "				1	—	C	
28F/10666	AGS1107/D	<b>Union</b> , reducing cone, $\frac{3}{8}$ "- $\frac{3}{16}$ "				2	—	C	
28W/12305	SP13/B	<b>Washer</b> , 4 BA				8	—	C	
28W/12252	SP13/C	<b>Washer</b> , 2 BA				130	—	C	
28W/12296	SP15/C	<b>Washer</b> , 2 BA				70	—	C	
28F/12047	AGS1186/A	<b>Washer</b> , seal ring				3	—	C	
28F/12048	AGS1186/B	<b>Washer</b> , seal ring				3	—	C	

RESTRICTED  
 OFFICIALS  
 BRITISH ANTARCTIC SURVEY

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	

HEATING AND VENTILATING (I)



RESTRICTED

RESTRICTED

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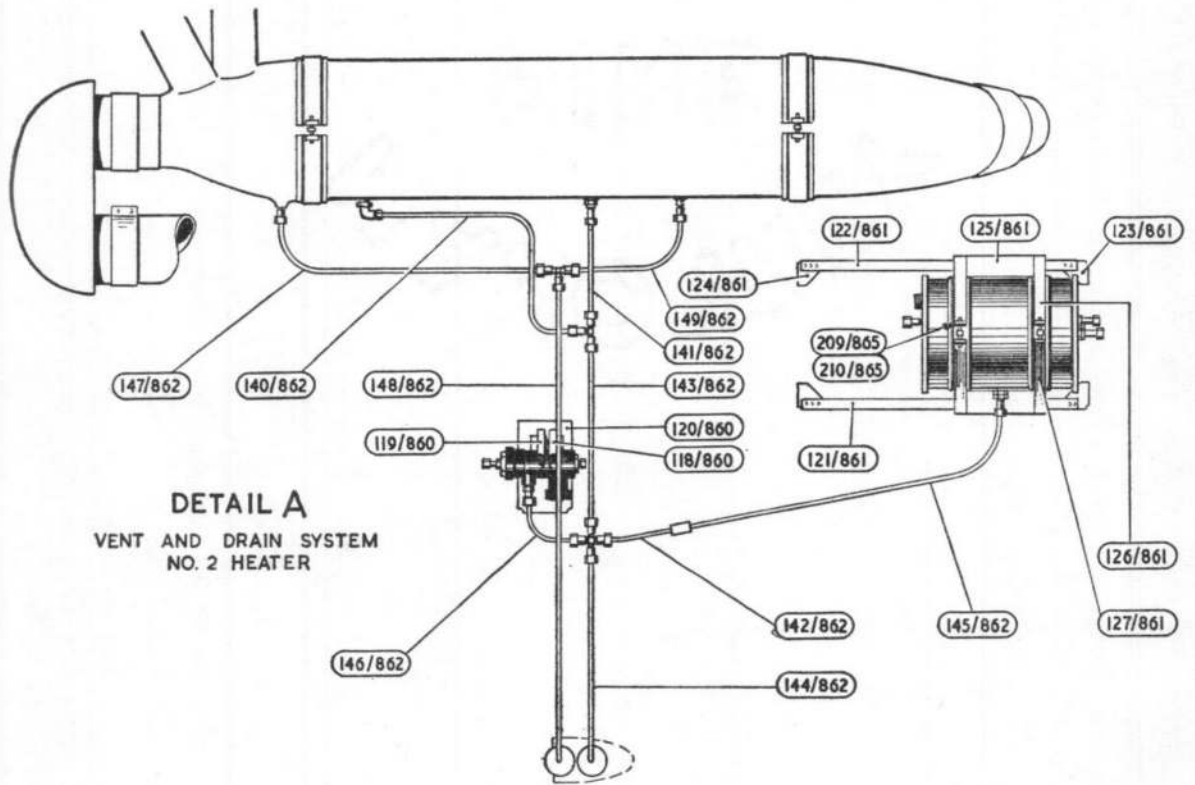
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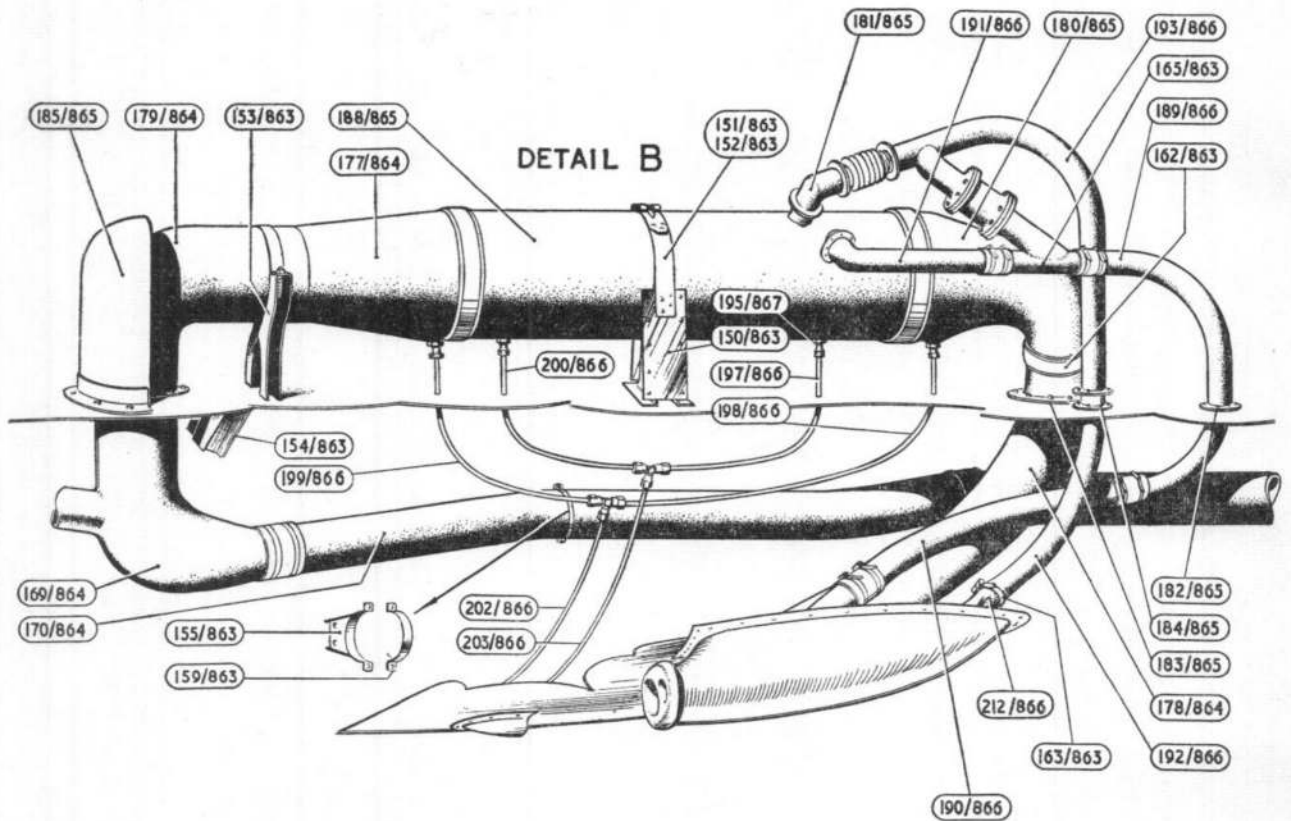
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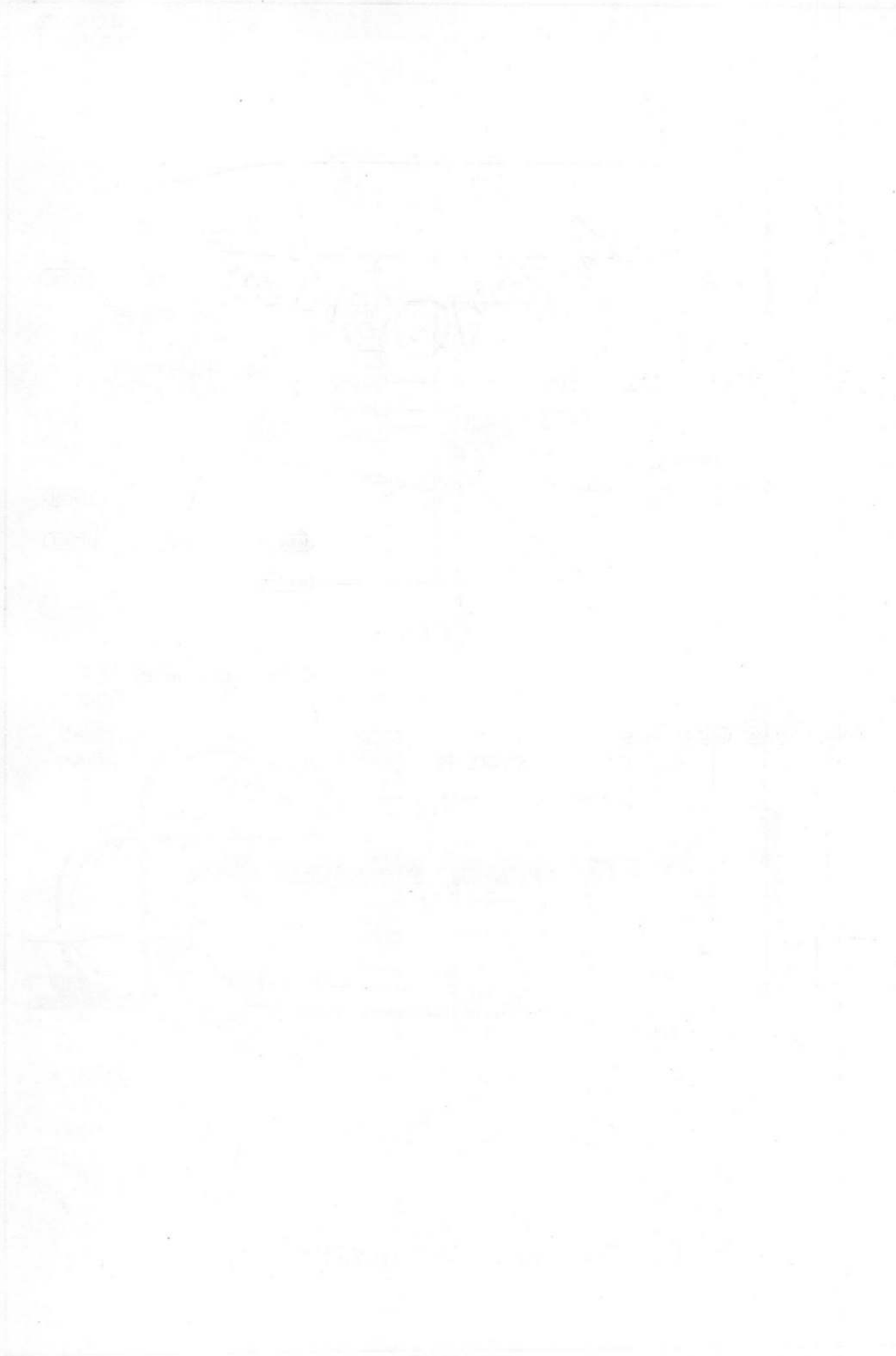




DETAIL A  
VENT AND DRAIN SYSTEM  
NO. 2 HEATER



HEATING AND VENTILATING (2)



SHACKLETON Mk. 2

SERVICES  
HYDRAULIC

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SERVICES ASSEMBLIES</b>							
		Spares for :—							
		<b>HYDRAULIC SYSTEM, BOMB DOORS</b>							
		<b>(Q1690) (Q1390) (Q1399)</b>							
		Spares for :—							
13391	1SS3555	<b>Adaptor</b> , pipe at pressure release plug, former 22				1	—	C	77/1
13298	8SS3554	<b>Crosspiece</b> , for flexible pipe at former 22 bulkhead, $\frac{1}{2}$ " x $\frac{3}{8}$ " x $\frac{1}{4}$ " x $\frac{3}{8}$ "				1	—	C	77/2
27Q/1477	A8274.Y.Mk.A	<b>JACK, BOMB DOOR AT FORMER "E" BULKHEAD RH. AND FORMER "22" BULKHEAD LH., GROUP (Mod. AC/2170 AC/3176 &amp; Mod. AC/3291)</b>				1	—	A	
27Q/1478	A8274Y.Mk.B	<b>JACK, BOMB DOOR AT FORMER "E" BULKHEAD LH., AND FORMER "22" BULKHEAD RH., GROUP (Mod. AC/2170, AC/3176 &amp; Mod. AC/3291)</b>				1	—	A	
27Q/70276	1.00535.001	<b>JACK, BOMB DOOR AT FORMER "E" BULKHEAD RH., AND FORMER "22" BULKHEAD, LH., GROUP (Mod. 901)</b>				1	—	A	
27Q/70277	1.00535.002	<b>JACK, BOMB DOOR AT FORMER "E" BULKHEAD LH. AND FORMER "22" BULKHEAD RH., GROUP (Mod. 901)</b>				1	—	A	
853	13Q1357	Pipe, flexible, $\frac{3}{8}$ " BSF to jack ... ..				4	—	B	77/5
854	41Q1358	Pipe, flexible, $\frac{3}{8}$ " BSF to jack ... ..				4	—	B	77/6
5956	41Q1438	<b>PIPE, BOMB DOOR CLOSED, FROM TEE-PIECE AT FLEXIBLE PIPE ON FORMER "E" BULKHEAD, <math>\frac{1}{2}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	77/7
5962	47Q1438	<b>PIPE, BOMB DOOR OPEN, FROM TEE-PIECE AT FLEXIBLE PIPE ON FORMER "E" BULKHEAD, <math>\frac{1}{2}</math>" o/d x 20G, GROUP</b>				1	DTD323A	C	77/8
	15Q1690	<b>PIPE, BOMB DOOR CLOSED, FROM COUPLING TO COUPLING, FRONT CENTRE PORTION, <math>\frac{1}{2}</math>" o/d x 20G x 13' 0" LONG, GROUP</b>				1	DTD323A		77/9
	16Q1690	<b>PIPE, BOMB DOOR OPEN, FROM COUPLING TO COUPLING, FRONT CENTRE PORTION, <math>\frac{1}{2}</math>" o/d x 20G, GROUP</b>				1	DTD323A		77/10
5954	39Q1438	<b>PIPE, BOMB DOOR CLOSED, FROM COUPLING TO TEE-PIECE, CENTRE PORTION, <math>\frac{1}{2}</math>" o/d x 20G x 71" LONG, GROUP</b>				1	DTD323A	C	77/11
5951	13Q1438	<b>PIPE, BOMB DOOR OPEN, TEE-PIECE TO SHUTTLE VALVE IN CENTRE PORTION, <math>\frac{3}{8}</math>" o/d x 20G x 15" LONG, GROUP</b>				1	DTD323A	C	77/12

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, BOMB DOORS (Q1690) (Q1390) (Q1399) (Cont'd)</b>							
5948	16Q1438					1	DTD323A	C	77/13
		PIPE, BOMB DOOR CLOSED, E/AIR VALVE TO SHUTTLE VALVE IN CENTRE PORTION, 3/8" o/d x 22G x 5" LONG, GROUP							
5949	17Q1438					1	DTD323	C	77/14
		PIPE, BOMB DOOR OPEN, E/AIR VALVE TO SHUTTLE VALVE IN CENTRE PORTION, 3/8" o/d x 22G x 9" LONG, GROUP							
5947	14Q1438					1	DTD323	C	77/15
		PIPE, BOMB DOOR CLOSED, TEE-PIECE TO SHUTTLE VALVE IN CENTRE PORTION, 3/8" o/d x 20G x 14" LONG, GROUP							
	40Q1690					1	DTD323		
		PIPE, VENT, VALVE TO TEE-PIECE, 3/8" o/d x 22G, GROUP (Mod. 964)							
	41Q1690					1	DTD323		
		PIPE, VENT, VALVE TO TEE-PIECE, 3/8" o/d x 22G, GROUP (Mod. 964)							
	42Q1690					1	DTD323		
		PIPE, VENT, TEE-PIECE TO UNION AT REAR SPAR, 3/8" o/d x 22G, GROUP (Mod. 964)							
	43Q1690					1	DTD323		
		PIPE, VENT, UNION AT REAR SPAR TO UNION, AFT, 3/8" o/d x 22G, GROUP (Mod. 964)							
5960	45Q1438					1	DTD323A	C	77/18
		PIPE, BOMB DOOR OPEN, FROM COUPLING TO TEE-PIECE, CENTRE PORTION, 1/2" o/d x 20G x 55" LONG, GROUP							
5953	38Q1438					1	DTD323A	C	77/19
		PIPE, BOMB DOOR CLOSED, FROM TEE-PIECE TO COUPLING, CENTRE PORTION, 1/2" o/d x 20G x 16" LONG, GROUP							
5959	44Q1438					1	DTD323A	C	77/20
		PIPE, BOMB DOOR OPEN, FROM TEE-PIECE TO COUPLING, CENTRE PORTION, 1/2" o/d x 20G x 49" LONG, GROUP							
5952	37Q1438					1	DTD323A	C	77/21
		PIPE, BOMB DOOR CLOSED, FROM COUPLING TO COUPLING, REAR CENTRE PORTION, 1/2" o/d x 20G x 78" LONG, GROUP							
5958	43Q1438					1	DTD323A	C	77/22
		PIPE, BOMB DOOR OPEN, FROM COUPLING TO COUPLING REAR CENTRE PORTION, 1/2" o/d x 20G x 78" LONG, GROUP							
	51Q1438					1	DTD323A		77/23
		PIPE, BOMB DOOR CLOSED, FROM COUPLING TO COUPLING, REAR CENTRE PORTION, 1/2" o/d x 20G x 64" LONG, GROUP							

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, BOMB DOORS (Q1690) (Q1390) (Q1399) (Cont'd)</b>							
5965	50Q1438	PIPE, BOMB DOOR OPEN, FROM COUPLING TO COUPLING, REAR CENTRE PORTION, ½" o/d x 20G x 64" LONG, GROUP				1	DTD323A	C	77/24
5950	36Q1438	PIPE, BOMB DOOR CLOSED, FROM COUPLING TO CROSSPIECE AT FORMER 22 BULKHEAD, ½" o/d x 20G, GROUP				1	DTD323A	C	77/25
5957	42Q1438	PIPE, BOMB DOOR OPEN, FROM COUPLING TO TEE-PIECE AT FORMER 22 BULKHEAD, ½" o/d x 20G, GROUP				1	DTD323A	C	77/26
5969	56Q1438	PIPE, FROM CROSSPIECE TO ADAPTOR AT FORMER 22 BULKHEAD, ¼" o/d x 20G, GROUP				1	DTD323A	C	77/27
5968	55Q1438	PIPE, FROM ADAPTOR AT FORMER 22 BULKHEAD, TO PRESSURE RELEASE PLUG AT SKIN LINE, BETWEEN STRINGERS 24-25, ¼" o/d x 20G, GROUP				1	DTD323A	C	77/28
1738	2Q1399	Plug, pressure release ... ..				1	—	C	77/29
5CW/4309	Dowty C1223Y Mk. VI	Switch, cockpit, for bomb doors ... .. (See Instrument Panels—Pilot's)				1	—	A	
26EA/11095	26SS2557	Tee-piece, flexible pipe connection, ¾" x ¾" x ½"				3	—	C	77/30
27Q/598	Dowty C536Y	Valve, bomb door at floor beam No. 8 in centre portion bomb bay				1	—	A	77/31
27Q/1115	Dowty C6859Y	Valve, bomb door (Alternative to 27Q/598)				1	—	A	
27Q/1494	Dowty C8388Y	Valve, bomb door (Alternative to 27Q/1115)				1	—	A	

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>HYDRAULIC SYSTEM FOR MAIN AND TAIL UNDERCARRIAGE (Q1690)</b>							
		Spares for :—							
1739	4.Q.1404	Block, mounting shuttle valve ... ..				3	—	C	79/32
	SS2356/C	Cap, blanking pipes at shuttle valve, tailwheel				1	—	C	78/33
1740	19SS3554	Crosspiece, $\frac{3}{8}$ " x $\frac{3}{8}$ " x $\frac{1}{2}$ " in U/C wheel bay...				2	—	C	79/34
27Q/590	Dowty A472Y Mk.A	<b>JACK, UNDERCARRIAGE RH, MAIN WHEEL, GROUP (Pre-Mod. 1052)</b> (See Undercarriage Main)				2	—	A	79/35
27Q/70634	1.01108.001	<b>JACK, UNDERCARRIAGE RH, MAIN WHEEL, GROUP (Mod. 1052)</b>				2	—	A	
27Q/591	Dowty A472Y Mk.B	<b>JACK, UNDERCARRIAGE LH, MAIN WHEEL, GROUP (Pre-Mod. 1052)</b> (See Undercarriage Main)				2	—	A	78/36
27Q/70614	1.01108.002	<b>JACK, UNDERCARRIAGE LH, MAIN WHEEL, GROUP (Mod. 1052)</b>				2	—	A	
27Q/1729	Dowty A9004Y	<b>JACK, TAILWHEEL, GROUP (Mod. 649)</b>				1	—	A	79/37
854	41Q1358	Pipe, flexible $\frac{3}{8}$ " BSF to U/C jacks ... ..				4	—	B	79/38
4930	17Q1690	Pipe, flexible, $\frac{3}{8}$ " BSF x 15 $\frac{5}{8}$ " long to tailwheel jack				1	Silvoflex	C	78/39
4976	18Q1690	Pipe, flexible, $\frac{3}{8}$ " BSF x 16 $\frac{5}{8}$ " long to tailwheel jack				1	Silvoflex	C	78/40
5927	2Q1437	<b>PIPE U/C JACK OUTBOARD, PORT, TO CROSSPIECE, <math>\frac{3}{8}</math>" o/d x 22G, GROUP</b>				1	DTD323	C	79/41
	3Q1437	<b>PIPE, CROSSPIECE TO E/AIR VALVE INBOARD NACELLE, PORT, <math>\frac{1}{2}</math>" o/d x 22G x 2' 0" LONG, GROUP</b>				1	DTD323		79/42
6744	73Q1437	<b>PIPE, VENT, E/AIR VALVE TO COUPLING, INBOARD NACELLE, PORT, <math>\frac{1}{2}</math>" o/d x 20G, GROUP (Mod. 633)</b>				1	DTD323A	C	79/43
6745	74Q1437	<b>PIPE, VENT, COUPLING TO ATMOSPHERE, INBOARD NACELLE, PORT, <math>\frac{1}{2}</math>" o/d x 20G x 5' 0" LONG, GROUP (Mod. 633)</b>				1	DTD323A	C	79/44
6746	75Q1437	<b>PIPE, VENT, E/AIR VALVE TO COUPLING, INBOARD NACELLE, STARBOARD, <math>\frac{1}{2}</math>" o/d x 20G, GROUP (Mod. 633)</b>				1	DTD323A	C	79/45
6747	76Q1437	<b>PIPE, VENT, COUPLING TO ATMOSPHERE, INBOARD NACELLE, STARBOARD, <math>\frac{1}{2}</math>" o/d x 20G, GRP. (Mod. 633)</b>				1	DTD323A	C	79/46
7069	4Q1437	<b>PIPE, U/C JACK INBOARD, PORT, TO CROSSPIECE, <math>\frac{3}{8}</math>" o/d x 22G x 7' 0" LONG, GROUP</b>				1	DTD323	C	79/47

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		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM FOR MAIN AND TAIL, UNDERCARRIAGE (Q1690) (Cont'd)</b>							
	5Q1437	PIPE, U/C UP, FROM CROSSPIECE TO ADAPTOR, BETWEEN SPARS, PORT, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A		79/48
	6Q1437	PIPE, U/C UP, ADAPTOR TO COUPLING, FRONT SPAR, PORT, $\frac{3}{8}$ " o/d x 22G x 5' 0" LONG, GROUP				1	DTD323A		79/49
5928	7Q1437	PIPE, U/C UP, ADAPTOR TO COUPLING, FRONT SPAR, PORT, $\frac{3}{8}$ " o/d x 22G x 8' 0" LONG, GROUP				1	DTD323A	C	79/50
	3Q1690	PIPE, U/C UP, ALONG FRONT SPAR INSIDE FUSELAGE, $\frac{3}{8}$ " o/d x 20G x 12' LONG, GROUP				1	DTD323A		79/51
	4Q1690	PIPE, U/C UP, ALONG FRONT SPAR INSIDE FUSELAGE, $\frac{3}{8}$ " o/d x 22G x 8' 4" LONG, GROUP				1	DTD323A		79/52
5929	9Q1437	PIPE, U/C UP, ALONG FRONT SPAR, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 6' 4" LONG, GROUP				1	DTD323A	C	79/53
5930	10Q1437	PIPE, U/C UP, AFT OF INBOARD BULKHEAD, STARBOARD, $\frac{3}{8}$ " o/d 22G x 19" LONG, GROUP				1	DTD323A	C	79/54
14178	11Q1437	PIPE, U/C UP, FRONT SPAR INBOARD NACELLE, STARBOARD, TO VARIABLE FLOW VALVE, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/55
	47Q1437	PIPE, U/C UP, VARIABLE FLOW VALVE TO TEE PIECE, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		79/56
5942	45Q1437	PIPE, U/C UP, TEE PIECE TO TEE PIECE, BETWEEN SPARS, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP				1	DTD323A	C	79/57
6586	46Q1437	PIPE, U/C UP, TEE PIECE TO VARIABLE FLOW VALVE, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	79/58
	12Q1437	PIPE, U/C UP, VARIABLE FLOW VALVE, TO CROSS PIECE, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 2' 0" LONG, GROUP				1	DTD323A		79/59
5931	15Q1437	PIPE, U/C UP, CROSSPIECE TO E/AIR VALVE, INBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 20G x 3' 0" LONG, GROUP				1	DTD323A	C	79/60

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		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM FOR MAIN AND TAIL, UNDERCARRIAGE (Q1690) (Cont'd)</b>							
	13Q1437	PIPE, CROSSPIECE TO U/C JACK INBOARD, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 5' 0" LONG, GROUP				1	DTD323A		79/61
6614	14Q1437	PIPE, CROSSPIECE TO U/C JACK OUTBOARD, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/62
5937	24Q1437	PIPE, U/C DOWN, SHUTTLE VALVE TO FRONT SPAR, INBOARD NACELLE, PORT, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/63
5936	23Q1437	PIPE, U/C DOWN, AFT OF INBOARD BULKHEAD, PORT, $\frac{3}{8}$ " o/d x 22G x 5' 0" LONG, GROUP				1	DTD323A	C	79/64
5935	22Q1437	PIPE, U/C DOWN, ALONG FRONT SPAR PORT, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/65
	2Q1690	PIPE, U/C DOWN, ALONG FRONT SPAR INSIDE FUSELAGE, $\frac{3}{8}$ " o/d x 22G x 12" LONG, GROUP				1	DTD323A	C	79/66
	5Q1690	PIPE, U/C DOWN, ALONG FRONT SPAR INSIDE FUSELAGE, $\frac{3}{8}$ " o/d x 22G x 8' 4" LONG, GROUP				1	DTD323A		79/67
5934	20Q1437	PIPE, U/C DOWN, ALONG FRONT SPAR STARBOARD, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/68
5933	19Q1437	PIPE, U/C DOWN, AFT OF INBOARD BULKHEAD, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 2' 2" LONG, GROUP				1	DTD323A	C	79/69
14179	18Q1437	PIPE, U/C DOWN, FRONT SPAR TO TEE PIECE, INBOARD NACELLE STARBOARD, $\frac{3}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	DTD323A	C	79/70
5940	33Q1437	PIPE, U/C DOWN, TEE PIECE TO TEE PIECE, BETWEEN SPARS, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G GROUP				1	DTD323A	C	79/71
5932	17Q1437	PIPE, U/C DOWN, TEE PIECE TO SHUTTLE VALVE, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 1' 0" LONG, GROUP				1	DTD323A	C	79/72
	51Q1437	PIPE, U/C DOWN, TEE PIECE TO U/C VALVE, INBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 20G, GROUP				1	DTD323A		79/73

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		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM FOR MAIN AND TAIL, UNDERCARRIAGE (Q1690) (Cont'd)</b>							
	50Q1437	PIPE, U/C UP, TEE PIECE TO U/C VALVE, INBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 20G, GROUP				1	DTD323		79/74
	10Q1690	PIPE, TAILWHEEL UP IN REAR CENTRE PORTION, PORT, $\frac{3}{8}$ " o/d x 22G x 9' 2" LONG, GROUP				1	DTD323A		78/75
	11Q1690	PIPE, TAILWHEEL DOWN, IN REAR CENTRE PORTION, PORT, $\frac{3}{8}$ " o/d x 22G x 8' 4" LONG, GROUP				1	DTD323A		78/76
	34Q1690	PIPE, TAILWHEEL UP, IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		78/77
	35Q1690	PIPE, TAILWHEEL UP IN REAR PORTION, PORT, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		78/78
	36Q1690	PIPE, TAILWHEEL DOWN, IN REAR PORTION, PORT, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		78/79
	37Q1690	PIPE, TAILWHEEL DOWN, IN REAR PORTION, PORT, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323		78/80
	13Q1690	PIPE, TAILWHEEL UP, IN REAR PORTION, PORT, $\frac{3}{8}$ " o/d x 22G x 7' 0" LONG, GROUP				1	DTD323		78/81
	12Q1690	PIPE, TAILWHEEL DOWN, JOINT TO SHUTTLE VALVE IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G x 7' 0" LONG, GROUP				1	DTD323		78/82
	14Q1690	PIPE, TAILWHEEL UP, JOINT TO FLEXIBLE PIPE IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G x 2' 0" LONG, GROUP				1	DTD323		78/83
	27Q1690	PIPE, TAILWHEEL DOWN, SHUTTLE VALVE TO FLEXIBLE PIPE IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G x 2' 6" LONG, GROUP				1	DTD323		78/84
	38Q1690	PIPE, TAILWHEEL UP, IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323		
	39Q1690	PIPE, TAILWHEEL DOWN, IN REAR PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323		

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM FOR MAIN AND TAIL, UNDERCARRIAGE (Q1690) (Cont'd)</b>							
	28Q1690	PIPE, FEED TAILWHEEL UP FROM TEE-PIECE TO CONTROL VALVE IN REAR CENTRE PORTION, GROUP				1	DTD323A		78/92
	29Q1690	PIPE, RETURN TAILWHEEL UP FROM TEE-PIECE TO CONTROL VALVE IN REAR CENTRE PORTION, GROUP				1	DTD323A		78/93
	30Q1690	PIPE, FEED TAILWHEEL UP CONTROL VALVE TO JOINT REAR CENTRE PORTION, GROUP				1	DTD323A		78/94
	31Q1690	PIPE, RETURN TAILWHEEL UP CONTROL VALVE TO JOINT REAR CENTRE PORTION, GROUP				1	DTD323A		78/95
	32Q1690	PIPE, FEED TAILWHEEL UP TEE-PIECE TO JETTISON VALVE REAR SECTION, GROUP				1	DTD323A		78/96
	33Q1690	PIPE, JETTISON VALVE TO VENT REAR SECTION, GROUP				1	DTD323A		78/97
<b>5CW/4212</b>	Dowty C1212MKV	Switch, undercarriage in cockpit ... ..				1	—	<b>A</b>	
<b>26EA/19704</b>	35SS3557	Tee-piece, $\frac{3}{8}$ " x $\frac{3}{8}$ " x $\frac{1}{8}$ " for pipes to U/C valve				2	—	<b>C</b>	77/85
<b>1710</b>	57SS3557	Tee-piece, $\frac{3}{8}$ " x $\frac{3}{8}$ " x $\frac{1}{2}$ " for pipes to U/C valve				2	—	<b>C</b>	79/86
<b>27Q/1116</b>	Dowty C6860Y	Valve, undercarriage in wheel bay, Starboard				1	—	<b>A</b>	79/87
<b>27Q/591</b>	Dowty C9981	Valve, shuttle, U/C and tail ... ..				3	—	<b>A</b>	78/88
<b>27Q/1160</b>	Dowty D6306Y	Valve, variable flow U/C ... ..				2	—	<b>A</b>	79/89
<b>27Q/1199</b>	Dowty C6731Y.Mk.A	Valve, Control... ..				1	—	<b>C</b>	78/90
<b>27Q/856</b>	Dowty C3750Y.Mk.B	Valve, jettison ... ..				1	—	<b>C</b>	78/91
<b>27Q/1495</b>	Dowty C8389Y	Valve, undercarriage (Alternative to 27Q/1116)					—		
<b>27Q/70135</b>	Dowty 1.00042.003	Valve, undercarriage (Alternative to 27Q/1495)					—		

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		1	2	3	4			M.R.	
<b>HYDRAULIC SYSTEM MAIN FEED AND RETURN, FLAPS AND SCANNER (Q1689)</b>									
2481	70SS3553	Spares for:—				4	—	C	79/98
5317	23Q1372	<b>Adaptor</b> , for filter 1" x 3/4" ... ..				2	—	C	
13391	SS3555	<b>Adaptor</b> , suction pipe to pump ... ..				1	—	C	
	Dunlop	<b>Adaptor</b> , HP delivery pipe to F/Spar ... ..							
27WW/62	ACM15164	<b>Arm</b> , actuator, pilot's windscreen wiper, port				1	—	B	77/100
	Dunlop	<b>Arm</b> , actuator, pilot's windscreen wiper, starboard				1	—	B	77/101
27WW/74	ACM15166								
	Dunlop	<b>Arm</b> , actuator, bomb aimer's windscreen wiper				1	—	B	77/102
27WW/198	ACM16190								
	Dunlop	<b>Blade</b> , wiper, pilot's windscreen ... ..				2	—	C	77/103
27WW/71	AC04712								
	Dunlop	<b>Blade</b> , wiper, bomb aimer ... ..				1	—	C	77/104
27WW/1742	ACM15590/15								
	18Q1378	<b>Bracket</b> , hand pump support, RH ... ..				1	L72	C	79/105
1743	19Q1378	<b>Bracket</b> , hand pump support, LH ... ..				1	L72	C	79/106
2755	3Q1631	<b>Bracket</b> , mounting jettison valve ... ..				1	L72	C	78/107
	31Q1631	<b>Bracket</b> , mounting solenoid valve ... ..				1	L72		
	22Q1468	<b>Bracket</b> , hydraulic reservoir ... ..				1	L72		
	Avery	<b>COUPLING, SELF SEALING, GROUP</b>				2	—		79/108
	AVA50/C	Consisting of:—							
27M/8750	AVA55/C	<b>Coupling</b> , flanged half ... ..				1	—	C	
27M/8760	AVA57/C	<b>Coupling</b> , union half ... ..				1	—	C	
27M/8767	AVA62/C	<b>Nut</b> , union ... ..				1	—	C	
	Avery	<b>COUPLING, SELF SEALING, GROUP</b>				2	—		79/109
	AVA52/D	Consisting of:—							
27M/8900	AVA58/D	<b>Coupling</b> , flanged half ... ..				1	—	C	
27M/8816	AVA57/D	<b>Coupling</b> , union half ... ..				1	—	C	
27M/8768	AVA62/D	<b>Nut</b> , union ... ..				1	—	C	
	Avery	<b>COUPLING, SELF SEALING, GROUP</b>				2	—		79/110
	AVA50/F	Consisting of:—							
27M/8752	AVA55/F	<b>Coupling</b> , flanged half ... ..				1	—	C	
27M/8745	AVA54/F	<b>Coupling</b> , union half ... ..				1	—	C	
27M/8770	AVA62/F	<b>Nut</b> , union ... ..				1	—	C	
5316	22Q1372	<b>Coupling</b> , pipe, centrifuge to pump ... ..				1	—	C	
1744	1SS3554	<b>Crosspiece</b> , at relief valve ... ..				1	—	C	77/111
5259	23Q1468	<b>Elbow</b> , 135°, suction pipe to pump ... ..				2	—	C	
27B/1408	E60L/1"/7915	<b>Filter</b> , oil, I/B & O/B nacelle starboard ... ..				2	—	A	79/112
27W/1073	UMC528/529	<b>Handle</b> , C/w grip for hand pump ... ..				1	—	B	79/113
26EA/50677	6SS3742	<b>Joint</b> , pipe at hydraulic reservoir ... ..				2	—	C	79/114

**SERVICES**  
**HYDRAULIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
27Q/589	Dowty A.469.Y	<b>JACK, FLAP, IN REAR CENTRE SECTION, FUSELAGE, GROUP</b>				1	—	A	78/115
27Q/961	Dowty E4692Y Mk.A	<b>JACK, SCANNER, LH, GROUP</b> ...				1	—	A	78/116
27Q/962	Dowty E4692 Mk.B	<b>JACK, SCANNER, RH, GROUP</b> ...				1	—	A	78/117
27WW/199	Dunlop AC11046	<b>Motor, windscreen wiper, port</b> ...				1	—	A	77/118
27WW/200	Dunlop AC11048	<b>Motor, windscreen wiper, starboard</b> ...				1	—	A	77/119
27WW/240	Dunlop AC11642	<b>Motor, windscreen wiper for Bomb Aimer...</b>				1	—	A	77/120
	1Q1704	<b>MOUNTING, OIL RESERVOIR, O/B ENGINE NACELLE, STARBOARD</b>				1	—		79/121
		Spares for:—							
1746	6dZ2910	<b>Link, for spindle</b> ... ..				4	S3	C	79/122
13081	1SS1945	<b>Screw, adjusting strap</b> ... ..				2	S2	C	79/123
1747	6cZ2910	<b>Spindle, for adjusting screw</b> ... ..				2	S2	C	79/124
		<b>MOUNTING, HYDRAULIC FILTER ON ENGINE SUBFRAME, STARBOARD, OUTBOARD (Q1615)</b>							
		Spares for:—							
1748	2Q1615	<b>Bracket, mounting filter</b> ... ..				1	L72	C	79/125
1703	3Q1615	<b>Clip, half, attachment of filter</b> ... ..				2	S3 & T35	C	79/126
13327	10SS1862	<b>Clip, half, attachment of filter</b> ... ..				2	S3 & T35	C	79/127
1704	15SS1862	<b>Clip, half, attachment of filter</b> ... ..				2	S3 & T35	C	79/128
1704	15SS1863	<b>Clip, half, attachment of filter</b> ... ..				2	S3 & T35	C	79/129
		<b>MOUNTING, HYDRAULIC FILTER INBOARD ENGINE NACELLE, STARBOARD (Q1730)</b>							
		Spares for:—							
2482	2Q1707	<b>Bracket, mounting filter</b> ... ..				1	L72	C	79/130
2481	70SS3553	<b>Union, adaptor</b> ... ..				2	—	C	79/131

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC, SYSTEM, MAIN FEED AND RETURN, FLAPS AND SCANNER (Q1689) (Cont'd)</b>							
855	8Q1304	Pipe, flexible, pump, suction...	...	...	2	—	B	79/144	
854	41Q1358	Pipe, flexible, pump, centrifuge	...	...	2	—	B	79/145	
1625	171Q1433	Pipe, flexible, pump, delivery	...	...	2	—	B	79/146	
	76Q1689	PIPE, DELIVERY H.P. VALVE TO COUPLING IN NOSE, 1/4" o/d x 22G x 76" LONG, GROUP				1	DTD323A	77/147	
	124Q1689	PIPE, DELIVERY H.P. COUPLING TO COUPLING IN NOSE 1/4" o/d x 22G x 56" LONG, GROUP				1	DTD323A	77/148	
	81Q1689	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE IN NOSE, 1/4" o/d x 22G x 23" LONG, GROUP				1	DTD323A	77/149	
	39Q1689	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING IN NOSE, 1/4" o/d x 22G x 26" LONG, GROUP				1	DTD323A	77/150	
	40Q1689	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE IN NOSE, 1/4" o/d x 22G x 29" LONG, GROUP				1	DTD323A	77/151	
	37Q1689	PIPE, DELIVERY H.P. BOMB AIMERS WINDSCREEN TO VALVE 1/4" o/d x 22G x 24" LONG, GROUP				1	DTD323A	77/152	
	42Q1689	PIPE, DELIVERY H.P. TEE PIECE TO CONTROL VALVE IN NOSE 1/4" o/d x 22G x 8" LONG, GROUP				1	DTD323A	77/153	
7985	45Q1689	PIPE, DELIVERY H.P. CONTROL VALVE TO PILOT'S WINDSCREEN STARBOARD, 1/4" o/d x 22G, GROUP				1	DTD323A	C 77/154	
	41Q1689	PIPE, DELIVERY H.P. TEE PIECE TO CONTROL VALVE IN NOSE, PORT, 1/4" o/d x 22G, GROUP				1	DTD323A	77/155	

**SERVICES**  
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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
	44Q1689	PIPE, DELIVERY H.P. CONTROL VALVE TO PILOT'S WINDSCREEN, PORT, $\frac{1}{4}$ " o/d x 22G, GROUP				1	DTD323A		77/156
	79Q1689	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING IN NOSE, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 38" LONG, GROUP				1	DTD323A		77/157
6757	120Q1689	PIPE, RETURN L.P. BOMB AIMER'S WINDSCREEN TO COUPLING $\frac{1}{4}$ " o/d x 22G x 61" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/158
	123Q1689	PIPE, RETURN L.P. COUPLING TO TEE PIECE IN NOSE, $\frac{1}{4}$ " o/d x 22G x 56" LONG, GROUP (Mod. 633)				1	DTD323A		77/159
6759	122Q1689	PIPE, RETURN L.P. COUPLING TO TEE PIECE IN NOSE, $\frac{1}{4}$ " o/d x 22G x 19" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/160
6756	119Q1689	PIPE, RETURN L.P. TEE PIECE TO TEE PIECE IN NOSE, $\frac{1}{4}$ " o/d x 22G x 67" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/161
6752	115Q1689	PIPE, RETURN L.P. TEE PIECE TO PILOT'S WINDSCREEN, STARBOARD $\frac{1}{4}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	77/162
6751	114Q1689	PIPE, RETURN L.P. TEE PIECE TO PILOT'S WINDSCREEN, PORT, $\frac{1}{4}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	77/163
6758	121Q1689	PIPE, RETURN L.P. TEE PIECE TO COUPLING IN NOSE, PORT, $\frac{1}{4}$ " o/d x 22G x 35" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/164
	33Q1689	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE, UNDER FLOOR, STARBOARD, IN FRONT CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 11' 10" LONG, GROUP				1	DTD323A		77/165
6457	291Q1433	PIPE, RETURN L.P. COUPLING TO TEE PIECE, UNDER FLOOR, STARBOARD, IN FRONT CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 11' 11" LONG, GROUP (Mod. 572)				1	DTD323A	C	77/166
	53Q1689	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE IN FRONT CENTRE PORTION $\frac{3}{8}$ " o/d x 22G x 16" LONG, GROUP				1	DTD323A		77/167
	52Q1689	PIPE, DELIVERY H.P. TEE PIECE TO TEE PIECE IN FRONT CENTRE PORTION $\frac{3}{8}$ " o/d x 22G x 20" LONG, GROUP				1	DTD323A		77/168

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		1	2	3	4			M.R.	
		<b>HYDRAULIC, SYSTEM, MAIN FEED AND RETURN FLAPS AND SCANNER (Q1689) (Cont'd)</b>							
6754	117Q1689	PIPE, RETURN L.P. TEE PIECE TO COUPLING IN FRONT CENTRE PORTION $\frac{1}{2}$ " o/d x 20G x 2' 9" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/169
	65Q1689	PIPE, DELIVERY H.P. ALONG FRONT SPAR INSIDE FUSELAGE, $\frac{1}{4}$ " o/d x 22G x 32" LONG, GROUP				1	DTD323A		77/170
6716	303Q1433	PIPE, DELIVERY H.P. ALONG FRONT SPAR CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 72" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/171
6717	304Q1433	PIPE, RETURN L.P. ALONG FRONT SPAR, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 77" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/172
1861	120Q1433	PIPE, DELIVERY H.P. INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 30" LONG, GROUP				1	DTD323A	C	79/173
6711	296Q1433	PIPE, SUCTION, AVERY COUPLING TO TEE PIECE, INBOARD NACELLE, STARBOARD $\frac{3}{4}$ " o/d x 22G x 15" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/176
6714	300Q1433	PIPE, CENTRIFUGE, AVERY COUPLING TO JOINT INBOARD, NACELLE STARBOARD, $\frac{3}{8}$ " o/d x 22G x 37" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/177
6718	305Q1433	PIPE, RETURN, COUPLING TO TEE PIECE, INBOARD NACELLE STARBOARD, $\frac{1}{2}$ " o/d x 22G x 34" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/178
5875	25Q1433	PIPE, DELIVERY H.P. TEE PIECE TO PIECE, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	79/179
6721	310Q1433	PIPE, SUCTION, HAND PUMP, TEE PIECE TO COUPLING, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/180
5876	27Q1433	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING, INBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 19" LONG, GROUP				1	DTD323A	C	79/181

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Ref. No.	Part No.	Description				No. off	Mati. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		HYDRAULIC SYSTEM, MAIN FEED & RETURN, FLAPS & SCANNER (Q1689) (Cont'd)							
6739	332Q1433	PIPE, SUCTION, TEE PIECE TO FILTER, INBOARD NACELLE, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 31" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/182
6738	331Q1433	PIPE, SUCTION, FILTER TO COUPLING INBOARD NACELLE, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 24" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/183
5902	112Q1433	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING INBOARD, STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP				1	DTD323A	C	79/184
6726	314Q1433	PIPE, RETURN L.P. TEE PIECE TO COUPLING, INBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 27" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/185
6719	307Q1433	PIPE, RETURN L.P. TEE PIECE TO COUPLING, INBOARD NACELLE STARBOARD, $\frac{1}{2}$ " o/d x 22G x 20" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/186
6722	311Q1433	PIPE, SUCTION L.P. COUPLING TO HAND PUMP BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 3' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/187
5892	72Q1433	PIPE, DELIVERY, PRESSURE VALVE TO HAND PUMP, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G, GROUP				1	L56	C	79/189
6723	337Q1433	PIPE, RETURN L.P. PRESSURE VALVE, TO HAND PUMP BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G, GRP. (Mod. 633)				1	DTD323A	C	79/189
5885	61Q1433	PIPE, RETURN L.P. COUPLING TO TEE PIECE BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP				1	L56	C	79/190
6724	312Q1433	PIPE, RETURN L.P. PRESSURE RELIEF VALVE TO TEE PIECE BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{4}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/191
5887	63Q1433	PIPE, RETURN L.P. TEE PIECE TO TEE PIECE BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 6' 0" LONG, GROUP				1	L56	C	79/192

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
6729	317Q1433	PIPE, RETURN L.P. TEE PIECE TO TEE PIECE BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/193
6728	316Q1433	PIPE, RETURN L.P. TEE PIECE TO THERMAL RELIEF VALVE, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GRP. (Mod. 633)				1	DTD323A	C	79/194
6727	315Q1433	PIPE, RETURN L.P. TEE PIECE TO THERMAL RELIEF VALVE, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323A	C	79/195
3253	265Q1433	PIPE, RETURN L.P. TEE PIECE TO U/C VALVE BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 6' 0" LONG, GROUP				1	L56	C	79/196
5903	113Q1433	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 20G, GROUP				1	DTD323	C	79/197
	114Q1432	PIPE, DELIVERY H.P. TEE PIECE TO NON-RETURN VALVE, BETWEEN SPARS, CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 20G, GROUP				1	DTD323		79/198
1864	150Q1433	PIPE, DELIVERY H.P. NON-RETURN VALVE TO U/C VALVE, BETWEEN SPARS, CENTRE PORTION, $\frac{1}{2}$ " o/d x 20G, GROUP				1	DTD323	C	79/199
5877	28Q1433	PIPE, DELIVERY H.P. COUPLING TO COUPLING, MAINPLANE L/E, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 9' 0" LONG, GROUP				1	DTD323	C	79/200
6725	313Q1433	PIPE, CENTRIFUGE, COUPLING TO TEE PIECE, MAINPLANE L/E, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 49" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/201
6712	297Q1433	PIPE, SUCTION, COUPLING TO COUPLING, MAINPLANE L/E, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 109" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/203
6720	309Q1433	PIPE, RETURN L.P. COUPLING TO COUPLING, MAINPLANE L/E, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 109" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/204

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		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
6715	301Q1433	PIPE, CENTRIFUGE, TEE PIECE TO COUPLING, MAINPLANE L/E, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 60" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/205
6740	333Q1433	PIPE CENTRIFUGE, RESERVOIR TO TEE-PIECE OUTBOARD NACELLE STBD., $\frac{1}{2}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/206
5924	267Q1433	PIPE DELIVERY, UNION TO AVERY COUPLING OUTBOARD NACELLE STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP				1	L56	C	79/207
	266Q1433	PIPE DELIVERY, TEE PIECE TO AVERY COUPLING INBOARD NACELLE STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP				1	L56		79/209
6742	335Q1433	PIPE RETURN, COUPLING TO RESERVOIR OUTBOARD NACELLE STBD., $\frac{3}{8}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/210
6741	334Q1433	PIPE, CENTRIFUGE, COUPLING TO AVERY COUPLING, OUTBOARD NACELLE STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP (Mod. 633)				1	DTD323A	C	79/208
6647	298Q1433	PIPE, SUCTION, COUPLING TO TEE PIECE, OUTBOARD NACELLE, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 6' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/211
6736	329Q1433	PIPE, SUCTION, TEE PIECE TO FILTER, OUTBOARD NACELLE, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 2' 6" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/212
6737	330Q1433	PIPE, SUCTION, FILTER TO AVERY COUPLING, OUTBOARD NACELLE, STARBOARD, $\frac{3}{4}$ " o/d x 22G x 4' 1" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/213
6713	299Q1433	PIPE, SUCTION, TEE PIECE TO RESERVOIR, OUTBOARD NACELLE, STARBOARD, 1" o/d 22G x 4' 0" LONG, GROUP (Mod. 633)					DTD323A	C	79/214
6735	328Q1433	PIPE, RETURN L.P. COUPLING TO HYDRAULIC RESERVOIR, OUTBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 4' 0" LONG, GRP. (Mod. 633)					DTD323A	C	79/215

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER, (Q1689)</b> (Cont'd)							
6732	321Q1433	PIPE, VENT L.P. FROM HYDRAULIC RESERVOIR, OUTBOARD NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 20G x 5' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/216
6734	327Q1433	PIPE, VENT, FROM JOINT TO ATMOSPHERE OUTBOARD, NACELLE, STARBOARD, $\frac{3}{8}$ " o/d x 20G, GROUP (Mod. 633)				1	DTD323A	C	79/217
6731	319Q1433	PIPE, DRAIN FROM HYDRAULIC RESERVOIR, OUTBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 5' 0" LONG, GROUP (Mod. 633)				1	DTD323A	C	79/218
6733	326Q1433	PIPE, DRAIN, JOINT TO ATMOSPHERE OUTBOARD NACELLE, STARBOARD, $\frac{1}{2}$ " o/d x 22G, GROUP (Mod. 633)				1	DTD323A	C	79/219
	64Q1689	PIPE, DELIVERY H.P. TEE PIECE TO TEE PIECE, IN CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		77/220
6467	292Q1433	PIPE, RETURN L.P. TEE PIECE TO TEE PIECE IN CENTRE PORTION, STARBOARD, $\frac{1}{2}$ " o/d x 22G x 26" LONG, GROUP (Mod. 572)				1	DTD323A	C	77/221
5907	135Q1433	PIPE, DELIVERY H.P. TEE PIECE TO NON-RETURN VALVE IN CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 9" LONG, GROUP				1	DTD323A	C	77/222
	36Q1433	PIPE, DELIVERY H.P. NON-RETURN VALVE TO SHUT OFF VALVE IN CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 4" LONG, GROUP				1	DTD323A		77/223
5913	144Q1433	PIPE, DELIVERY H.P. SHUT OFF VALVE TO CROSSPIECE IN CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 7" LONG, GROUP				1	DTD323A	C	77/224
5894	77Q1433	PIPE, DELIVERY H.P. CROSSPIECE TO THERMAL RELIEF VALVE IN CENTRE PORTION, STARBOARD, $\frac{3}{16}$ " o/d x 22G x 17" LONG, GROUP				1	DTD323A	C	77/225
5878	34Q1433	PIPE, DELIVERY H.P. CROSSPIECE TO BOMB DOOR VALVE IN CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	79/226

## SERVICES

## HYDRAULIC

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC, SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689) (Cont'd)</b>							
5895	78Q	PIPE, DELIVERY H.P. CROSSPIECE TO E/AIR VALVE IN CENTRE PORTION STBD., $\frac{3}{8}$ " o/d x 22G x 44" LONG, GROUP				1	DTD323A	C	77/227
6743	336Q1433	PIPE, RETURN, L.P. FROM TEE PIECE TO TEE PIECE, CENTRE PORTION, STBD., $\frac{1}{2}$ " o/d x 22G x 26" LONG, GRP. (Mod. 633)				1	DTD323A	C	77/228
15003	131Q1689	PIPE, DELIVERY, H.P. FROM B.D. CONTROL VALVE TO FAIRLEAD, CENTRE PORTION STBD., $\frac{3}{8}$ " o/d x 22G, GROUP (Mod. 1015)				1	DTD323A	C	
15005	126Q1689	PIPE, DELIVERY, H.P. FROM FAIRLEAD TO SHUT OFF VALVE, CENTRE PORTION STBD., $\frac{3}{8}$ " o/d x 22G, GROUP (Mod. 1015)				1	DTD323A	C	
15004	125Q1689	PIPE, DELIVERY, H.P. FROM SHUT OFF VALVE TO E/AIR VALVE CENTRE PORTION STBD., $\frac{3}{8}$ " o/d x 22G, GROUP (Mod. 1015)				1	DTD323A	C	
15006	132Q1689	PIPE, RETURN, L.P. FROM THERMAL RELIEF VALVE TO TEE PIECE, CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 22G, GRP. (Mod. 1015)				1	DTD323A	C	
6648	293Q1433	PIPE, RETURN L.P. TEE PIECE TO BOMB DOOR VALVE CENTRE PORTION, STBD., $\frac{1}{2}$ " o/d x 22G x 4" LONG, GROUP (Mod. 572)				1	DTD323A	C	77/231
5912	140Q1433	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING IN CENTRE PORTION STBD., $\frac{1}{8}$ " o/d x 22G x 37" LONG, GRP.				1	DTD323A	C	77/232
6656	294Q1433	PIPE, RETURN L.P. TEE PIECE TO TEE PIECE, CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 27" LONG, GROUP (Mod. 572)				1	DTD323A	C	77/233
5880	37Q1433	PIPE, DELIVERY, H.P. COUPLING TO COUPLING, CENTRE SECTION STBD., $\frac{3}{8}$ " o/d x 22G x 56" LONG, GRP.				1	DTD323A	C	77/234
6657	295Q1433	PIPE, RETURN L.P. TEE PIECE TO COUPLING CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 22G x 43" LONG, GRP. (Mod. 572)				1	DTD323A	C	77/235
	82Q1689	PIPE, DELIVERY H.P. COUPLING TO TEE PIECE BELOW FLOOR, REAR CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	77/236
	110Q1689	PIPE, RETURN L.P. COUPLING TO TEE PIECE BELOW FLOOR, REAR CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 22G x 38" LONG, GROUP (Mod. 572)				1	DTD323A	C	77/236

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## SERVICES

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## HYDRAULIC

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
	10Q1689	PIPE, DELIVERY H.P. TEE PIECE TO NON-RETURN VALVE BELOW FLOOR REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G x 8" LONG, GROUP				1	DTD323A		77/238
6143	83Q1689	PIPE, DELIVERY H.P. NON-RETURN VALVE TO FLAP VALVE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	78/239
	112Q1689	PIPE, RETURN L.P. TEE PIECE TO COUPLING, BELOW FLOOR, REAR CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 22G x 8" LONG, GROUP (Mod. 572)				1	DTD323A		77/240
	68Q1689	PIPE, DELIVERY H.P. TEE PIECE TO COUPLING, BELOW FLOOR REAR CENTRE PORTION, STARBOARD, $\frac{3}{8}$ " o/d x 22G x 85" LONG, GROUP				1	DTD323A		77/241
	111Q1689	PIPE, RETURN L.P. TEE PIECE TO COUPLING BELOW FLOOR, REAR CENTRE PORTION, STBD., $\frac{3}{8}$ " o/d x 20G x 85" LONG, GROUP (Mod. 572)				1	DTD323A		77/242
7451	69Q1689	PIPE, DELIVERY H.P. COUPLING TO COUPLING, BELOW FLOOR, STARBOARD, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G x 110" LONG, GROUP				1	DTD323A	C	77/243
6755	118Q1689	PIPE, RETURN L.P. COUPLING TO COUPLING, BELOW FLOOR, STBD., REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G x 110" LONG, GROUP (Mod. 633)				1	DTD323A	C	77/244
	88Q1689	PIPE, DELIVERY H.P. COUPLING TO COUPLING, SCANNER JACK CONTROL VALVE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		78/245
	89Q1689	PIPE, RETURN L.P. COUPLING TO COUPLING, SCANNER JACK CONTROL VALVE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56		78/246
	84Q1689	PIPE, RETURN H.P. SCANNER JACK CONTROL VALVE TO COUPLING, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A		78/247
	85Q1689	PIPE, DELIVERY L.P. SCANNER JACK CONTROL VALVE TO COUPLING, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56		78/248

SERVICES  
HYDRAULIC

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St. M.R.	Plate and Illust'n No.
		1	2	3	4				
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
	63Q1689				PIPE, DELIVERY H.P. COUPLING TO PANEL BETWEEN FORMERS 23-24, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, x 85" LONG, GROUP	1	DTD323A		78/249
	62Q1689				PIPE, RETURN L.P. COUPLING TO PANEL BETWEEN FORMERS 23-24, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G x 85" LONG, GROUP	1	L56		78/250
6750	113Q1689				PIPE, VENT, HYDRAULIC PANEL TO ATMOSPHERE BETWEEN FORMERS 23-24, REAR CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 85" LONG, GROUP (Mod. 633)	1	DTD323A	C	78/251
	17Q1689				PIPE, FROM HYDRAULIC PANEL TO SCANNER JACK, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 12" LONG, GROUP	1	DTD323A		78/252
	18Q1689				PIPE, FROM HYDRAULIC PANEL TO SCANNER JACK, PORT, $\frac{1}{4}$ " o/d x 22G x 30" LONG, GROUP	1	DTD323A		78/253
	22Q1689				PIPE, FROM HYDRAULIC PANEL TO SCANNER JACK, PORT, $\frac{1}{4}$ " o/d x 22G x 30" LONG, GROUP	1	DTD323A		78/254
	25Q1689				PIPE, FROM HYDRAULIC PANEL TO SCANNER JACK, STARBOARD, $\frac{1}{4}$ " o/d x 22G x 13" LONG, GROUP	1	DTD323A		78/255
	67Q1689				PIPE, PRESSURE RELIEF VALVE TO E/AIR SHUTTLE VALVE ON HYDRAULIC PANEL, REAR CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 13" LONG, GROUP	1	DTD323A		78/256
	66Q1689				PIPE, PRESSURE RELIEF VALVE TO JETTISON VALVE ON HYDRAULIC PANEL, REAR CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 11" LONG, GROUP	1	DTD323A		78/257
	20Q1689				PIPE, PRESSURE RELIEF VALVE TO PRESSURE RELIEF VALVE ON HYDRAULIC PANEL, REAR CENTRE PORTION, $\frac{1}{4}$ " o/d x 22G x 10" LONG, GROUP	1	DTD323A		
2756	4Q1631				PIPE, FLAP, SOLENOID VALVE TO COUPLING IN REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP	1	DTD323A	C	78/259
2757	5Q1631				PIPE, FLAP, COUPLING TO JETTISON, VALVE IN REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP	1	DTD323A	C	78/260

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SERVICES  
HYDRAULIC

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
3979	28Q1631	PIPE, FLAP UP, COUPLING TO FLAP JACK, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	78/261
857	4Q1439	PIPE, FLAP DOWN, RESTRICTOR VALVE TO FLAP JACK, REAR CENTRE PORTION $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	78/262
2760	8Q1631	PIPE, RETURN L.P. JETTISON VALVE TO NON-RETURN VALVE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	78/263
2761	9Q1631	PIPE, RETURN L.P. TEE PIECE TO NON-RETURN VALVE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56	C	78/264
2762	10Q1631	PIPE, RETURN L.P. TEE PIECE TO COUPLING, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	DTD323A	C	78/265
2763	11Q1631	PIPE, VENT, JETTISON VALVE TO COUPLING, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56	C	78/266
2766	14Q1631	PIPE, RETURN L.P. RESTRICTOR VALVE TO TEE PIECE, REAR CENTRE PORTION, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD323A	C	78/267
2771	20Q1631	PIPE, VENT, COUPLING TO ATMOSPHERE, REAR CENTRE PORTION, $\frac{3}{8}$ " o/d x 22G, GROUP				1	L56	C	78/268
3977	24Q1631	PIPE, FLAP DOWN, FROM SOLENOID VALVE TO RESTRICTOR VALVE, REAR CENTRE PORTION				1	Silvoflex	C	78/269
3978	25Q1631	PIPE, FLAP UP, FROM SOLENOID VALVE TO COUPLING, REAR CENTRE, PORTION				1	Silvoflex	C	78/270

**SERVICES**  
**HYDRAULIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)									
37J/1217	—	<b>Pump</b> , integral hydraulic, engine driven live line RH				2	—	A	79/271
27W/1	Dowty UMC501	<b>Pump</b> , hand c/w handle in U/C wheel bay, at front spar, starboard				1	—	A	79/272
27Q/964	Dowty A.4581.Y 19Q1631	<b>Reservoir</b> , oil, outboard engine ... ..				1	—	A	79/273
		<b>Screw</b> , Jettison valve attachment ... ..				4	—	C	78/274
5CW/4308	Dowty C1220Ymk.2	<b>Switch</b> , drum ... ..				1	—	A	78/275
5CW/4214	Dowty C1223Y	<b>Switch</b> , cockpit ... ..				1	—	A	
13141	1SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	79/276
1708	3SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	77/277
13165	29SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				2	—	C	77/278
13805	35SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{3}{16}$ " x $\frac{1}{2}$ " ... ..				1	—	C	77/85
1709	39SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				2	—	C	79/279
26EA/16348	40SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	79/280
1710	57SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				2	—	C	79/86
1711	75SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	78/281
1707	9Q1458	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	77/282
26EA/5317	6SS3549	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				1	—	C	79/283
28F/10782	18SS3557	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{4}$ " ... ..				1	—	C	
28F/10610	AGS1118/A	<b>Tee piece</b> , $\frac{3}{16}$ " x $\frac{3}{16}$ " x $\frac{3}{16}$ " ... ..				1	—	C	
28F/9716	AGS1118/B	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				5	—	C	
28F/13290	AGS1118/C	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " ... ..				3	—	C	
13142	AGS1120/11	<b>Tee piece</b> , $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ " ... ..				1	—	C	
	8SS3550	<b>Union</b> , $\frac{3}{4}$ " ... ..				2	—	C	79/284
	84SS3553	<b>Union</b> , reducing ... ..				1	—		
27W/10	Dowty UMC706	<b>Valve</b> , flap non-return inboard and outboard nacelle, starboard				2	—	A	79/285
27W/5	Dowty UMC632	<b>Valve</b> , thermal relief, in centre portion fuselage and undercarriage wheel bay, starboard				4	—	A	77/286
37J/1226		<b>Valve</b> , non return suction to pump... ..				1	—	A	79/300
27W/12	Dowty UMC708	<b>Valve</b> , non-return in undercarriage wheel bay, starboard				1	—	A	79/287
27Q/986	Dowty 4046Y	<b>Valve</b> , jettison, in rear centre portion fuselage, starboard				1	—	A	78/288
27Q/489	Dowty D278Y	<b>Valve</b> , non-return in rear centre portion, fuselage				1	—	A	79/289
27Q/732	Dowty C2303Y	<b>Valve</b> , shut off in centre portion fuselage ...				1	—	A	77/290
27Q/606	Dowty D484 Mk.C	<b>Valve</b> , pressure relief in undercarriage wheel bay, at front spar, starboard				1	—	A	79/291

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**SERVICES**  
**HYDRAULIC**

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>HYDRAULIC SYSTEM, MAIN FEED &amp; RETURN, FLAPS &amp; SCANNER (Q1689)</b> (Cont'd)							
27Q/1102	Dowty C5941Y	<b>Valve,</b> flap restrictor in rear centre portion, fuselage				1	—	A	78/292
27Q/1103	Dowty C6602Y Mk.U	<b>Valve,</b> flap selector in rear centre portion fuselage				1	—	A	78/293
27Q/1011	Dowty C6602Y Mk.P	<b>Valve,</b> control scanner, in rear centre portion, fuselage				1	—	A	78/294
27Q/965	Dowty C484Y Mk.H	<b>Valve,</b> pressure relief in rear centre portion fuselage				1	—	A	78/295
27Q/966	Dowty C484Y Mk.J	<b>Valve,</b> pressure relief, in rear centre portion fuselage				1	—	A	78/296
27Q/967	Dowty D1647Y Mk.F	<b>Valve,</b> shuttle in rear centre portion fuselage				1	—	A	78/297
27Q/1111	Dowty C3750Y Mk.C	<b>Valve,</b> jettison in rear centre portion fuselage				1	—	A	78/298
	Dunlop AC7470	<b>Valve,</b> control, windscreen wiper Pilot and Bomb Aimer				3	—		77/299



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NOT ISSUED TO US

SERVICES  
HYDRAULIC

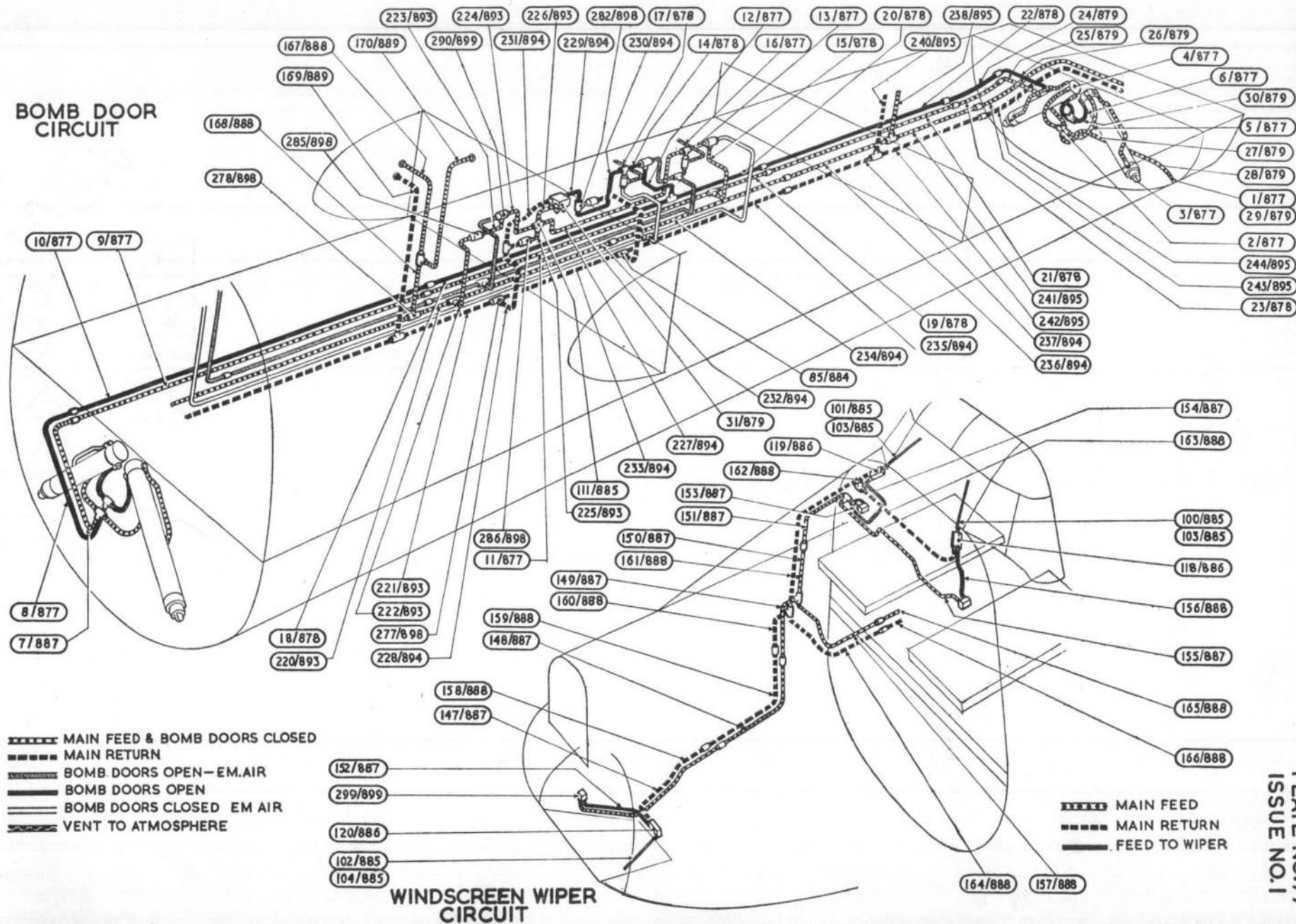
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON HYDRAULIC SERVICES</b>									
28F/10382	AGS1130/B-	Banjo,	body,	double end cone	...	1	—	C	
28F/10018	AGS1135/B-	Bolt,	banjo	...	...	1	—	C	
28F/10379	AGS1167/C-	Elbow,	$\frac{1}{2}$ " BSP	...	...	8	—	C	
28F/11094	AGS1167/D-	Elbow,	$\frac{1}{2}$ " BSP	...	...	4	—	C	
28F/10380	AGS1167/F-	Elbow,	$\frac{1}{2}$ " BSP	...	...	1	—	C	
28F/9584	AGS1148/B-	Nut,	thin $\frac{1}{4}$ " BSP	...	...	1	—	C	
28F/10108	AGS148/C-	Nut,	thin $\frac{1}{2}$ " BSP	...	...	10	—	C	
28F/9879	AGS1148/D-	Nut,	thin $\frac{1}{2}$ " BSP	...	...	3	—	C	
28F/11187	AGS1141/H-	Nipple,	$\frac{7}{8}$ " o/d	...	...	1	—	C	
28F/8280	AGS1142/H-	Nipple,	adaptor 1" o/d	...	...	1	—	C	
28F/9731	AGS1140/C-	Plug,	nipple $\frac{3}{8}$ " BSP	...	...	2	—	C	
28F/10782	AGS1118/A-	Tee piece	$\frac{3}{16}$ " x $\frac{3}{16}$ " x $\frac{3}{16}$ "	...	...	1	—	C	
28F/10610	AGS1118/B-	Tee piece	$\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ "	...	...	1	—	C	
28F/9716	AGS1118/C-	Tee piece	$\frac{3}{8}$ " x $\frac{3}{8}$ " x $\frac{3}{8}$ "	...	...	4	—	C	
28F/9720	AGS1120/3-	Tee piece	$\frac{3}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ "	...	...	1	—	C	
28F/9721	AGS1120/5-	Tee piece	$\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ "	...	...	2	—	C	
28F/9703	AGS1102/A-	Union,	body cone, $\frac{3}{16}$ " o/d	...	...	7	—	C	
28F/9704	AGS1102/B	Union,	body cone $\frac{1}{2}$ " o/d	...	...	5	—	C	
28F/9705	AGS1102/C	Union,	body cone $\frac{1}{2}$ " o/d	...	...	10	—	C	
28F/9706	AGS1102/D	Union,	body cone $\frac{1}{2}$ " o/d	...	...	16	—	C	
28F/9533	AGS1145/B	Union,	body cone $\frac{1}{2}$ " o/d	...	...	1	—	C	
28F/10486	AGS1145/C	Union,	body cone $\frac{1}{2}$ " o/d	...	...	10	—	C	
28F/9736	AGS1145/D	Union,	body cone $\frac{1}{2}$ " o/d	...	...	3	—	C	
28F/10509	AGS1107/A	Union,	reducing $\frac{1}{4}$ " x $\frac{3}{16}$ " o/d	...	...	2	—	C	
28F/11727	AGS1107/M	Union,	body cone $\frac{1}{2}$ " x $\frac{3}{8}$ " o/d	...	...	1	—	C	
28F/1109	AGS1109/R	Union,	body cone $\frac{1}{2}$ " x $\frac{3}{8}$ " o/d	...	...	1	—	C	
28V/5616	AGS908/E	Union,	body $\frac{5}{8}$ " x $\frac{3}{4}$ " BSP	...	...	2	—	C	
28Y/10145	AGS1200	Valve,	charging	...	...	1	—	C	
28F/8215	AGS1138/B	Washer,	jointing	...	...	1	—	C	
28F/12048	AGS1186/B	Washer,	sealing $\frac{1}{2}$ " BSP composite	...	...	1	—	C	
28F/11958	AGS1186/C	Washer,	sealing $\frac{3}{8}$ " BSP composite	...	...	2	—	C	
28F/11953	AGS1186/E	Washer,	sealing $\frac{3}{8}$ " BSP composite	...	...	2	—	C	
28F/12084	AGS1186/G	Washer,	sealing $\frac{1}{2}$ " BSP composite	...	...	1	—	C	
28F/12085	AGS1186/H	Washer,	sealing $\frac{7}{8}$ " BSP composite	...	...	1	—	C	
28F/11581	AGS1186/D	Washer,	sealing $\frac{1}{2}$ " BSP composite	...	...	1	—	C	



RESTRICTED

HYDRAULICS (I)

BOMB DOOR  
CIRCUIT



- MAIN FEED & BOMB DOORS CLOSED
- - - - MAIN RETURN
- · - · BOMB DOORS OPEN - EM AIR
- BOMB DOORS OPEN
- BOMB DOORS CLOSED EM AIR
- - - - VENT TO ATMOSPHERE

- 152/887
- 299/899
- 120/886
- 102/885
- 104/885

WINDSCREEN WIPER  
CIRCUIT

- MAIN FEED
- - - - MAIN RETURN
- FEED TO WIPER

- 164/888
- 157/888

RESTRICTED

PLATE NO. 77  
ISSUE NO. 1

1952-1954

ALBERTA  
SOUTH  
WEST

1952-1954

1952-1954

1952-1954

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1952-1954



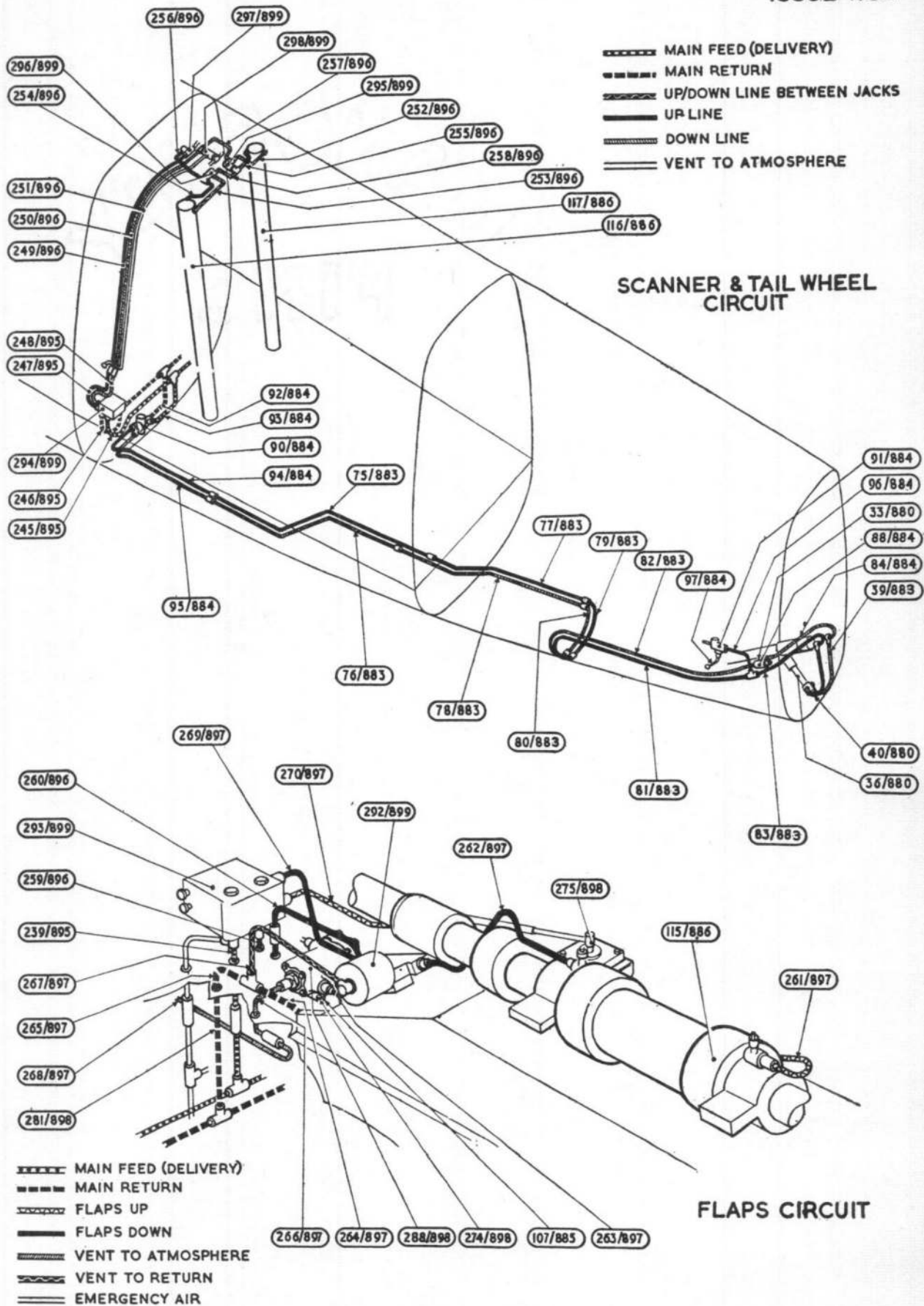


PLATE NO. 38  
ISSUE NO. 1

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SCANNED & TAIL WHEEL  
CIRCUIT

PLATE NO. 38  
ISSUE NO. 1

PLATE NO. 38  
ISSUE NO. 1

PLATE NO. 38  
ISSUE NO. 1

PLATE NO. 38  
ISSUE NO. 1

PLATE NO. 38  
ISSUE NO. 1

PLATE NO. 38  
ISSUE NO. 1



ISSUE NO. 1

MARK W. ...

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SHACKLETON Mk. 2

SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OIL SYSTEM, ASSEMBLIES</b>									
Spares for:—									
<b>OIL SYSTEM, INBOARD ENGINE, PORT AND STARBOARD (34 &amp; 35P2720)</b>									
Spares for:—									
1381	8P2720	Adaptor, for filter ... ..				1	DTD423	C	80/1
1439	10P3568	Bolt, 2 BA x 2.21" long ... ..				4	S1	C	80/2
1098	42P2660	Bracket, mounting relief valve, Port ...				1	S3 & T35	C	80/3
1099	43P2660	Bracket, mounting relief valve, Starboard...				1	S3 & T35	C	80/4
2466	41P2720	Bracket, gear box mounting plate ... ..				2	S3	C	80/5
	48P2720	Bracket, mounting oil cock, Port ... ..				1	S3		80/6
	51P2720	Bracket, mounting oil cock, Starboard ...				1	S3		80/7
1634	2cE1210	Clip, half, long tube for filter ... ..				1	—	C	80/8
1635	2eE1210	Clip, half, short tube for filter ... ..				1	—	C	80/9
1636	48P2660	Clip, attachment, oil pipe to engine subframe strut, Port				1	S3 & T35	C	80/10
1637	49P2660	Clip, oil pipe, Port ... ..				1	S3 & T35	C	80/11
1639	23P3506	Clip, attachment, vent pipe to engine sub-frame				1	S3 & T35	C	80/12
1640	11SS1862	Clip, half, oil feed pipe, Port... ..				1	—	C	80/13
26EA/4971	9SS1862	Clip, half, oil feed pipe, Port... ..				2	—	C	80/14
13323	7SS1862	Clip, half, oil feed pipe, Port... ..				2	—	C	80/15
7552	68P2720	Clip, double, for oil pipes, Port ... ..				1	—	C	80/16
7553	69P2720	Clip, double, for oil pipes, Port ... ..				1	—	C	80/17
	70P2720	Clip, double, for oil pipes, Starboard ...				1	—		80/18
	13SS3859	Clip, pipe ... ..				1	—		
13421	14SS3859	Clip, pipe ... ..				2	—	C	
26DC/5254	18SS3859	Clip, pipe ... ..				2	—	C	
13943	22SS3859	Clip, pipe ... ..				2	—	C	
13112	12SS3264	Clip, pipe ... ..				1	—	C	
13687	13SS3264	Clip, pipe ... ..				1	—	C	
26DC/12370	14SS3863	Clip, pipe ... ..				1	—	C	
4393	135SS4095	Clip, half ... ..				1	—	C	
	Vickers								
	A5250	Cock, oil Mk. " L " electrically operated ...				1	—		80/19
1432	7P2720	Coupling, pipe to pump ... ..				1	—	C	80/20
	66P2720	Fairlead, for pipes at front spar ... ..				1	BSS668		80/21
27M/610	—	Filter, oil (MPA 30404) ... ..				1	—	A	80/22
32C/158	32P2712	Hose, 1 3/4" i/d x 2 1/2" o/d x 2 1/2" long Port ...				9	DTD625	C	
32C/456	31P2712	Hose, 1 1/2" i/d x 1 7/8" o/d x 2 1/2" long Starboard				2	DTD625	C	
32C/453	28P2712	Hose, 1" i/d x 1 3/8" o/d x 2 1/2" long Port ...				4	DTD625	C	
32C/455	30P2712	Hose, 1 1/4" i/d x 1 5/8" o/d x 2 1/2" long ...				3	DTD625	C	
32C/453	29P2712	Hose, 1" i/d x 1 3/8" o/d x 6 1/2" long ...				1	DTD625	C	

**SERVICES**  
**OIL SYSTEM**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>OIL SYSTEM, INBOARD ENGINE, PORT &amp; STARBOARD (34 &amp; 35P2720) (Cont'd)</b>							
		<b>MOUNTING, FEATHERING PUMP (P2919)</b>							
4910	21P2712	Spares for:— <b>Adaptor, terminal</b> ... ..				2	—	C	80/23
13455	15P2782	<b>COVER, WATERPROOF FOR FEATHERING PUMP, GROUP</b>				1	—	C	80/24
13557 25L/6344	13P2423	<b>Grommet</b> ... ..				2	Neoprene	A	80/25
	—	<b>Pump, feathering, c/w motor type VI. De-Havilland Ref. No. C2801/1HF</b>				1	—		80/26
		<b>MOUNTING, OIL TANK, INBOARD, PORT &amp; STARBOARD (1 &amp; 2F6824)</b>							
		Spares for:—							
	28F6824	<b>Block, support, top forward</b> ... ..				1	BSS668		80/27
	38F6824	<b>Block, support, top rear</b> ... ..				1	BSS668		80/28
	3F6824	<b>MOUNTING, FORWARD, PORT, GROUP</b>				1	—		80/29
	4F6824	<b>MOUNTING, FORWARD, STARBOARD, GROUP</b>				1	—		80/30
1060	36F6824	Spares for:— <b>STRAP, TANK, FORWARD, GROUP</b>				1	—	C	80/31
		Consisting of:—							
	3SS3617	<b>Crosshead, RH, thread</b> ... ..				1	S1		
	36bF6824	<b>End, strap</b> ... ..				1	S3		
28Q/1930	AS455/404	<b>Rivet, snap hd, 1/8" dia. 1/4" long</b> ... ..				4	—	C	
	29aF7195	<b>Strap</b> ... ..				1	—		
	5F6824	<b>MOUNTING, REAR, PORT, GROUP</b>				1	—		80/32
	6F6824	<b>MOUNTING, REAR, STARBOARD, GROUP</b>				1	—		80/33
1061	37F6824	Spares for:— <b>STRAP, TANK, REAR, GROUP</b>				1	—	C	80/34
		Consisting of:—							
	4SS3617	<b>Crosshead, LH, thread</b> ... ..				1	S1		
	29bF7195	<b>End, strap</b> ... ..				1	S3		
28Q/1930	AS455/404	<b>Rivet, snap hd, 1/8" dia. x 1/4" long</b> ... ..				4	—	C	
	30aF7195	<b>Strap</b> ... ..				1	—		
7379	21P2939	<b>Pipe, drain 1" o/d x 20G, Port</b> ... ..				1	L56	C	80/35
7380	22P2939	<b>Pipe, drain 1" o/d x 20G, Starboard</b> ... ..				1	L56	C	80/36
	34F6824	<b>Plate, strap retaining, top</b> ... ..				1	DTD610		
	35F6824	<b>Plate, guard, for strap, top</b> ... ..				1	DTD610		80/37
1062	AS2381	<b>Turnbuckle, adjusting straps</b> ... ..				2	—	C	80/38

SHACKLETON Mk. 2

**SERVICES**  
**OIL SYSTEM**

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>MOUNTING, OIL TANK, INBOARD, PORT &amp; STARBOARD (1 &amp; 2F6824)</b> (Cont'd)							
		<b>MOUNTING, FILTER (5P3568)</b> Consisting of:—							
1536	5aP3568	Bracket, mounting ... ..				1	S3	C	80/39
28P/870	SP4Y/D12	Pin, $\frac{1}{4}$ " dia. x .8" long ... ..				2	—	C	
28P/5032	AGS784/3	Pin, split ... ..				2	—	C	
1537	5bP3568	<b>STRAP, GROUP</b> ... ..				1	—	C	80/40
1538	5gP3568	<b>STRAP, GROUP</b> ... ..				1	—	C	80/41
847	7P3568	Pad, mounting differential pressure cut-out switch				1	—	C	80/42
28F/11365	Avimo 352/33	Packing, pipe coupling (37SS3270) ... ..				2	—	C	
28F/11367	Avimo 352/35	Packing, pipe coupling (39SS3270) ... ..				2	—	C	
28F/11368	Avimo 52/36	Packing, pipe coupling (40SS3270) ... ..				2	—	C	
1535	9P2720	<b>PIPE, FILTER TO BULKHEAD, GROUP</b>				1	—	C	80/43
1250	23P2720	Pipe, flexible from filter ... ..				1	Silvoflex	A	80/44
5307	61P2720	<b>PIPE, RETURN, TANK TO COUPLING, PORT, GROUP</b>				1	—	C	80/45
5308	62P2720	<b>PIPE, RETURN, TANK TO COUPLING, STARBOARD, GROUP</b>				1	—	C	80/46
1246	5bP2660	Pipe, return, joint to joint at front spar $1\frac{1}{2}$ " o/d x 20G x 34" long, Port ...				1	T7	C	80/47
1249	6bP2660	Pipe, return, joint to bulkhead $1\frac{1}{2}$ " o/d x 20G x 20.75" long, Starboard				1	T7	C	80/48
5306	53P2720	Pipe, return, joint to bulkhead $1\frac{1}{2}$ " o/d x 20G, Port				1	T7	C	80/49
4556	52P2720	Pipe, feed, cock to bulkhead $1\frac{3}{4}$ " o/d x 20G, Port				1	T7	C	80/50
4557	50P2720	Pipe, feed, cock to bulkhead $1\frac{3}{4}$ " o/d x 20G, Starboard				1	T7	C	80/51
4567	73P2720	Pipe, feed, joint to joint, at front spar $1\frac{3}{4}$ " o/d x 20G, Port				1	T7	C	80/52
4566	49P2720	Pipe, feed, hose joint to cock, $1\frac{3}{4}$ " o/d x 20G, Starboard				1	T7	C	80/53
4558	47P2720	Pipe, feed, hose joint to tank, $1\frac{3}{4}$ " o/d x 20G, Port				1	T7	C	80/54
4559	58P2720	Pipe, feed, hose joint to tank $1\frac{3}{4}$ " o/d x 20G Starboard				1	T7	C	80/55
4564	54P2720	<b>PIPE, FEATHERING, PUMP TO COUPLING, PORT, GROUP</b>				1	—	C	80/56
4565	60P2720	<b>PIPE, FEATHERING, PUMP TO COUPLING, STARBOARD, GROUP</b>				1	—	C	80/57

**SERVICES**  
**OIL SYSTEM**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OIL SYSTEM, INBOARD ENGINE, PORT &amp; STARBOARD (34 &amp; 35P2720) (Cont'd)</b>									
4562	55P2720	Pipe, feathering, joint to joint 1¼" o/d x 20G, Port				1	T7	C	80/58
4563	63P2720	Pipe, feathering, joint to joint 1¼" o/d x 20G, Starboard				1	T7	C	80/59
4560	56P2720	Pipe, feathering, joint to tank 1¼" o/d x 20G, Port				1	T7	C	80/60
4561	59P2720	Pipe, feathering, joint to tank 1¼" o/d x 20G, Starboard				1	T7	C	80/61
	64P2720	<b>PIPE, VENT, TANK TO COUPLING, PORT, GROUP</b>				1	—		80/62
1647	10aP2660	<b>PIPE, VENT, TANK TO COUPLING, STARBOARD, GROUP</b>				1	—	C	80/63
3980	11P2939	<b>PIPE, VENT, JOINT TO BULKHEAD, PORT, GROUP</b>				1	—	C	80/64
3981	10P2939	<b>PIPE, VENT, JOINT TO BULKHEAD, STARBOARD, GROUP</b>				1	—	C	80/65
4568	57P2720	<b>PIPE, FEATHERING FROM FILTER TO FLEXIBLE PIPE, GROUP</b>				1	—	C	80/66
28F/11350	Avimo 52/23	Ring, rubber to suit 1" o/d pipe (26SS3270) ...				1	—	C	
28F/11352	Avimo 52/25	Ring, rubber to suit 1½" o/d pipe (28SS3270)				1	—	C	
28F/11353	Avimo 52/26	Ring, rubber to suit 1¾" o/d pipe (29SS3270)				1	—	C	
26DC/4532	18SS3860	Sleeve, packing, clips ... ..				2.P 1.S	F50	C	
26DC/4533	26SS3860	Sleeve, packing, clips ... ..				3.P 1.S	F50	C	
	15P2720	Strip, bonding ⅜" x 22G x 7-5" long ...				1.P 4.S	BS265		
	3fP2660	Strip, bonding ⅜" x 22G x 6-5" long, Port ...				3	BS265		
	3gP2660	Strip, bonding ⅜" x 22G x 8-5" long, Port ...				11	BS265		

SHACKLETON Mk. 2

SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OIL SYSTEM, INBOARD ENGINE, PORT &amp; STARBOARD (34 &amp; 35P2720) (Cont'd)</b>							
	4hP2660	Strip, bonding $\frac{3}{8}$ " x 22G x 6-5" long, Starboard				1	BS265		
	4jP2660	Strip, bonding $\frac{3}{8}$ " x 22G x 8-50" long, Starboard				5	BS265		
	6fP2660	Strip, bonding $\frac{3}{8}$ " x 22G x 6-5" long, Starboard				1	BS265		
	6gP2660	Strip, bonding $\frac{3}{8}$ " x 20G x 8-50" long, Starboard				2	BS265		
	10fP2660	Strip, bonding $\frac{3}{8}$ " x 22G x 000" long, Starboard				1	BS265		
	10gP2660	Strip, bonding $\frac{3}{8}$ " x 22G x 8-50" long, Starboard				2	BS265		
5CW/B153	—	Switch, differential cut-out ... ..				1	—	A	80/67
4012	13P2718	<b>TANK, OIL, WITH PROTECTIVE COVERING, PORT, GROUP</b> (See Tanks)				1	—	A	80/68
4013	14P2718	<b>TANK, OIL, WITH PROTECTIVE COVERING, STARBOARD, GROUP</b> (See Tanks)				1	—	A	80/69
13548	Rolls Royce PP15857	Valve, relief ... ..				1	—	A	80/70
1651	13P3568	Washer, jointing at switch ... ..				1	L17	C	80/71
7088	26P2720	Washer ... ..				1	—	C	80/72



SHACKLETON Mk. 2

SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OIL SYSTEM, OUTBOARD ENGINE, PORT &amp; STARBOARD (23 &amp; 24P2712)</b>									
Spares for:—									
1652	9P2388	Clip, half for relief valve ... ..				1	S3 & T35	C	81/73
1653	10P2481	Clip, half for relief valve ... ..				1	S3 & T35	C	81/74
1654	24P2481	Clip, special filler neck to subframe ... ..				1	—	C	81/75
1655	25P2481	Clip, special filler neck to subframe ... ..				1	—	C	81/76
1656	8P2712	Clip, special, on subframe strut for relief valve, Starboard				1	S3 & T35	C	81/77
1657	9P2712	Clip, special, on subframe strut for relief valve, Port				1	S3 & T35	C	81/78
1658	14P2712	Clip, pipe ... ..				1	—	C	81/79
13711	10SS1861	Clip, pipe to subframe, Starboard ... ..				1	—	C	81/80
	6SS1861	Clip, pipe to subframe, Port ... ..				1	—		
5239	25P2712	Dipstick, oil ... ..				1	—	C	81/81
2793	1P2801	<b>FILLER, NECK AND DRIPTRAY, PORT OR STARBOARD, GROUP</b>				1	—	C	81/82
Spares for:—									
1661	AS2510	Cap, filler ... ..				1	—	C	81/83
1662	11P3561	Clip, spring for dipstick ... ..				1	—		81/84
1663	AS1984	Ring, retaining ... ..				1	—	C	81/85
	4P3561	Seating, filler ... ..				1	L16		81/86
13273	21P1888	Socket, bonding ... ..				1	—	C	
32C/453	27P2712	Hose, 1" i/d x 1 3/8" o/d x 2" long ... ..				2	DTD625	C	
32C/461	33P2712	Hose, 2 1/2" i/d x 3" long ... ..				1	DTD625	C	
32C/453	28P2712	Hose, 1" i/d x 1 3/8" o/d x 2 1/2" long ... ..				1	DTD625	C	
6610	27P2481	Lead, bonding ... ..				4	—		
<b>MOUNTING &amp; PIPING FOR FILTER (P3568)</b>									
Spares for:—									
1381	8P2720	Adaptor, special at filter ... ..				1	—	C	81/1
1439	10P3568	Bolt, hex. hd, 2 BA x 2.21" long attachment of switch				4	S1	C	81/2
	5P3568	<b>BRACKET, MOUNTING FILTER, GROUP</b>				1	—		
Consisting of:—									
1536	5aP3568	Bracket, mounting ... ..				1	S3	C	81/39
28P/870	SP4Y/D12	Pin, 1/4" dia. x .8" long ... ..				2	—	C	
28P/5032	AGS784/3	Pin, split ... ..				2	—	C	
1537	5bP3568	<b>STRAP, GROUP</b> ... ..				1	—	C	81/40
1538	5gP3568	<b>STRAP, GROUP</b> ... ..				1	—	C	81/41
27M/610	—	Filter, purolator ... ..					—	A	81/22
847	7P3568	Pad, mounting differential pressure switch				1	—	C	81/43
1633	16P3568	<b>PIPE, FILTER TO BULKHEAD 5/8" o/d x 20G, GROUP</b>				1	—	A	81/87
5CW/4737	—	Switch, pressure (D2305/1) ... ..				1	—	A	81/67
1651	13P3568	Washer, pad mounting switch ... ..				1	—	C	81/75
7088	26P2720	Washer, joint mounting bracket ... ..				2	—	C	81/72

**SERVICES**  
**OIL SYSTEM**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OIL SYSTEM, OUTBOARD ENGINE, PORT &amp; STARBOARD (23 &amp; 24P2712)</b> (Cont'd)							
		<b>MOUNTING, FEATHERING PUMP (P2800)</b>							
4910	21P2712	Spares for:— <b>Adaptor, terminal</b> ... ..				2	—	C	81/23
13455	15P2782	<b>COVER, WATERPROOF FOR FEATHERING PUMP, GROUP</b>				1	—	C	81/24
2423	4P2800	<b>Pipe, flexible, pump to filter 2'-1.25" long (Silvoflex)</b>					971/07	C	81/88
	3P2800	<b>Piece, packing, 10G</b> ... ..				1	L72		
	2P2800	<b>Plate, mounting pump</b> ... ..				1	L72		81/89
25L/6344	—	<b>Pump, feathering</b> w motor type VI De-Havilland, Ref. No. C2801/1HF				1	—	A	81/26
		<b>MOUNTING, OIL COCK, PORT AND STARBOARD (2 &amp; 3P2913)</b>							
		Spares for:—							
4325	4P2913	<b>BRACKET, MOUNTING COCK, PORT, GROUP</b>				1	—		81/90
4326	7P2913	<b>BRACKET, MOUNTING COCK, STARBOARD, GROUP</b>				1	—		81/91
4328	190SS4095	<b>Clip, half, mounting bracket to subframe, bottom (tubes long)</b>				1	—	C	81/92
13327	10SS1862	<b>Clip, half, mounting bracket to subframe bottom (tubes short)</b>				1	—	C	81/93
4327	5P2913 Vickers	<b>Clip, mounting bracket to subframe top</b> ...				1	—	C	81/94
	A5250	<b>Cock, oil, Mk. "L"</b> ... ..				1	—		
32C/159	5cP2481	<b>Hose, joint, pipe to cock 1<math>\frac{3}{4}</math>" i/d x 2<math>\frac{1}{8}</math>" o/d x 2<math>\frac{1}{2}</math>" long</b>				1	—	C	81/19
		<b>MOUNTING, OIL TANK, PORT AND STARBOARD (1 &amp; 2P2496)</b>							
		Spares for:—							
	18P2150	<b>Bracket, front support</b> ... ..				1	DTD124A		81/95
	19P2150	<b>Bracket, front support</b> ... ..				1	DTD124A		81/96
1665	5P2496	<b>Clip, bottom</b> ... ..				4	—	C	81/97
	17P2150	<b>Clip, bottom, attachment to engine sub-frame</b>				4	—		81/98
	20P2150	<b>Clip, side attachment to engine subframe</b>				2	—		81/99
13081	1SS1945	<b>Screw, adjusting</b> ... ..				2	—	C	81/00

SHACKLETON Mk. 2

SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
<b>MOUNTING, OIL TANK, PORT AND STARBOARD (1 &amp; 2P2496) (Cont'd)</b>									
1064	9P2496	<b>STRAP, BOTTOM, GROUP</b> ...				2	—	C	81/101
		Consisting of:—							
28D/9436920	A25/1C	<b>Bolt</b> , hex. hd, 2 BA x .55" long ...				4	—	C	81/102
1983	5bP1941	<b>End</b> , fitting strap ...				2	—	C	
28M/5316	A16Y/CP	<b>Nut</b> , 2 BA ...				4	—	C	
28Q/1931	AS455/504	<b>Rivet</b> , snap hd, $\frac{5}{32}$ " dia x $\frac{1}{4}$ " long ...				6	—	C	
	9aP2496	<b>Strap</b> , 22G x 2" x 21" long ...				1	DTD187	C	
1063	8P2496	<b>STRAP, TOP, GROUP</b> ...				2	—	C	81/103
		Consisting of:—							
28D/12512	A25/1C	<b>Bolt</b> , hex. hd. 2 BA x .55" long ...				2	—	C	81/104
2234	7SS1944	<b>Crosshead</b> , RH ...				2	—	C	
1983	5bP1941	<b>End</b> , fitting strap ...				1	S3	C	81/105
1984	SS1873	<b>End</b> , fitting, strap ...				1	S3	C	81/106
28M/9419526	A16Y/CP	<b>Nut</b> , 2 BA ...				2	—	C	
28Q/1931	AS455/504	<b>Rivet</b> , snap hd, $\frac{5}{32}$ " dia. x $\frac{1}{4}$ " long ...				8	—	C	
	8aP2496	<b>Strap</b> , 22G x 2" x 24 $\frac{3}{4}$ " long ...				1	DTD187	C	
26EA/31893	10P2189	<b>STRAP, TOP, GROUP</b> ...				2	—	C	81/107
		Consisting of:—							
28D/9436920	A25/1C	<b>Bolt</b> , hex. hd. 2 BA x .55" long ...				2	—	C	81/108
1986	8SS1944	<b>Crosshead</b> , LH ...				2	—	C	
1983	5bP1941	<b>End</b> , strap ...				1	—	C	81/105
1984	SS1873	<b>End</b> , strap ...				1	—	C	81/106
28M/9419526	A16Y/CP	<b>Nut</b> , 2 BA ...				2	—	C	
28Q/1931	AS455/504	<b>Rivet</b> , snap hd. $\frac{5}{32}$ " dia. x $\frac{1}{4}$ " long ...				8	—	C	
	10A/P2189	<b>Strap</b> , 22G x 2" x 28" long ...				1	DTD187	C	
7128	3P2496	<b>Socket</b> , for tube rear ...				1	—	C	81/109
7129	4P2496	<b>Socket</b> , for tube rear ...				1	—	C	81/110
26EA/32597	3P2189	<b>Strut</b> , vertical, front, RH ...				1	DTD563	C	81/111
26EA/32600	6P2189	<b>Strut</b> , vertical, front, LH ...				1	DTD563	C	81/112
	18P2496	<b>Strip</b> , packing $\frac{1}{8}$ " x 2" x 24 $\frac{3}{4}$ " long ...				4	Langite	C	
	19P2496	<b>Strip</b> , packing $\frac{1}{8}$ " x 2" x 28" long ...				2	Langite	C	
13840	8P1847	<b>Strip</b> , bearing, tank straps ...				2	S3	C	
7119	6P2496	<b>Tube</b> , front support, 1 $\frac{3}{4}$ " o/d x 22G ...				1	DTD563	C	81/113
7120	7P2496	<b>Tube</b> , rear support, 1 $\frac{3}{4}$ " x 22G ...				1	DTD563	C	81/114
1432	7P2720	<b>Nipple</b> , reducing at feathering pump ...				1	—	C	81/115
	Avimo								
28F/11365	352/33	<b>Packing</b> , pipe coupling (37SS3270) ...				2	—	C	
	Avimo								
28F/11367	352/35	<b>Packing</b> , pipe coupling (39SS3270) ...				2	—	C	
1254	3P2712	<b>Pipe</b> , return, bulkhead to tank 1 $\frac{1}{2}$ " o/d x 20G x 31" long				1	T7	C	81/116

**SERVICES**  
**OIL SYSTEM**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OIL SYSTEM, OUTBOARD ENGINE, PORT &amp; STARBOARD (23 &amp; 24P2712)</b> (Cont'd)							
		<b>PIPE, VENT FROM PRESSURE CUT-OUT SWITCH, PORT (3P2939)</b> Consisting of:—							
28F/9838	AGS1104/A					1	—	C	
28D/9436920	A25/12C					1	—	C	
2453	1SS3859					1	—	C	32/65
	15P2939					1	DTD323A		81/117
3982	12P2939					1	—	C	81/118
		<b>PIPE, VENT FROM PRESSURE CUT-OUT SWITCH, STARBOARD (4P2939)</b> Consisting of:—							
28F/9838	AGS1104/A					1	—	C	
28D/9436920	A25/1C					1	—	C	
2453	1SS3859					1	—	C	
28M/10288	AGS2001/C1					1	—	C	
	16P2939					1	DTD323A		81/119
	12P2939					1	—		81/120
1200	GROUP					1	—	B	
		<b>PIPE, FEATHERING PUMP TO TANK (5P2712)</b> Consisting of:—							
28D/9436920	A25/1C					1	—	C	
28E/8184	Mk.2					1	—	C	
5K/118	AGS1661/G					1	—	C	
32C/455	30P2712					1	DTD625	C	
28M/10288	AGS2001/C1					1	—	C	
1365	5cP2712					1	—	C	81/121
	6P2712					1	B5		
28W/9419475	SP15/C					1	—	C	
7358	44P2712					1	DTD323A	C	81/122
7359	45P2712					1	DTD323A	C	81/123

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SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<p><b>OIL SYSTEM, OUTBOARD ENGINE, PORT &amp; STARBOARD (23 &amp; 24P2712)</b> (Cont'd)</p>									
<p><b>PIPE, FEED, TANK TO OIL COCK (26P2712)</b></p>									
<p>Consisting of:—</p>									
28D/9436920	A25/1C					2	—	C	
28E/9129092	Mk.2					2	—	C	
28E/9129562	Mk.3					1	—	C	
32C/458	32P2712					1	DTD625	C	
6610	27P2481					1	—	C	
	28P2481					1	—	C	
28M/10288	AGS2001/C1					2	—	C	
	Avimo								
28F/11368	52/36					2	—	C	
4324	26aP2712					1	—	C	81/124
	Avimo								
28F/11350	52/23					1	—	C	81/125
	Avimo								
28F/11352	52/25					1	—	C	81/126
4014	1P2882					1	—	A	81/127
<p><b>TANK, OIL WITH PROTECTIVE COVERING, PORT, GROUP</b> (See Tanks)</p>									
4015	2P2882					1	—	A	81/128
<p><b>TANK, OIL WITH PROTECTIVE COVERING, STARBOARD, GROUP</b> (See Tanks)</p>									
13548	Rolls Royce PP15857					1	—	A	81/70

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	

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SERVICES  
OIL SYSTEM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON OIL SYSTEM</b>									
28D/12528	A26/1B	Bolt, hex. hd, 4 BA x .1" plain ... ..				4	—	C	
28D/12512	A25/1C	Bolt, hex. hd, 2 BA x .1" plain ... ..				60	—	C	
28D/12513	A25/1C	Bolt, hex. hd, 2 BA x .2" plain ... ..				36	—	C	
28D/12532	A25/4C	Bolt, hex. hd, 2 BA x .4" plain ... ..				12	—	C	
28D/12533	A25/1C	Bolt, hex. hd, 2 BA x .5" plain ... ..				8	—	C	
28D/12515	A25/10C	Bolt, hex. hd, 2 BA x 1.0" plain ... ..				14	—	C	
28D/8341	AS1248/1C	Bolt, Mush. hd, 2 BA x .1" plain ... ..				12	—	C	
28E/8183	Mk.1	Clip, type "J" for $\frac{7}{8}$ " o/d to $1\frac{1}{2}$ " o/d, pipe ... ..				30	—	C	
28E/8184	Mk.2	Clip, type "J" for $1\frac{1}{2}$ " o/d to 2" o/d, pipe ... ..				20	—	C	
28E/8185	Mk.3	Clip, type "J" for 2" o/d to $2\frac{3}{4}$ " o/d, pipe ... ..				4	—	C	
28F/8278	AGS1142/E	Nipple, for pipe $\frac{5}{8}$ " o/d ... ..				4	—	C	
28F/8216	AGS1142/J	Nipple, for pipe $1\frac{1}{4}$ " o/d ... ..				4	—	C	
28M/10287	AGS2001/B/1	Nut, stiff, 4 BA ... ..				4	—	C	
28M/10288	AGS2001/C/1	Nut, stiff, 2 BA ... ..				140	—	C	
28M/10290	AGS2001/E/1	Nut, stiff, $\frac{1}{4}$ " BSF ... ..				10	—	C	
28F/11195	AGS1109/N	Union, reducing $\frac{1}{2}$ " x $\frac{5}{8}$ " o/d, pipe ... ..				4	—	C	
28F/11763	AGS1167/E	Union, elbow $\frac{5}{8}$ " o/d, pipe ... ..				4	—	C	
28F/12920	AGS1137/E	Union, $\frac{5}{8}$ " BSP ... ..				2	—	C	
28W/6562	AGS568/A	Washer, jointing ... ..				4	—	C	
28W/6770	AGS568/E	Washer, jointing ... ..				12	—	C	
28W/12305	SP13/B	Washer, 4 BA ... ..				4	—	C	
28W/12252	SP13/C	Washer, 2 BA ... ..				110	—	C	
28W/12253	SP13/E	Washer, $\frac{1}{4}$ " BSF ... ..				4	—	C	
28W/12245	SP10/C	Washer, 2 BA ... ..				16	—	C	
28W/12352	SP10/E	Washer, $\frac{1}{4}$ " BSF ... ..				4	—	C	
28W/12296	SP15/C	Washer, 2 BA ... ..				6	—	C	



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**SERVICES**  
**OIL PRESSURE**

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OIL PRESSURE SYSTEM ASSEMBLY (Q1729)</b>							
		Spares for:—							
6A/1967	—	<b>Connection</b> , 3 way bleeder ... ..				4	—	C	81/129
25F/11952	AGS1167/A	<b>Elbow</b> , pressure gauge to bleeder connection				1	—	C	81/133
6A/2235	—	<b>Gauge</b> , oil pressure ... ..				4	—	C	81/130
2467	16Q1371	<b>Pipe</b> , flexible, to transmitter on engine bulkhead				4	—	C	81/131
2468	17Q1371	<b>Pipe</b> , flexible, coupling to engine bulkhead, for transmitter				4	—	C	81/132
	2Q1729	<b>PIPE, PRESSURE GAUGE TO BLEEDER CONNECTION, IN FRONT CENTRE PORTION TO OUTBOARD ENGINE, PORT, <math>\frac{1}{8}</math>" o/d x 22G x 16" LONG, GROUP</b>				1	T7		
	3Q1729	<b>PIPE, PRESSURE GAUGE TO BLEEDER CONNECTION IN FRONT CENTRE PORTION, TO INBOARD ENGINE, PORT, <math>\frac{1}{8}</math>" o/d x 22G x 12" LONG, GROUP</b>				1	T7		81/134
	4Q1729	<b>PIPE, PRESSURE GAUGE TO BLEEDER CONNECTION IN FRONT CENTRE PORTION, TO INBOARD ENGINE, STARBOARD, <math>\frac{1}{8}</math>" o/d x 22G x 10" LONG, GROUP</b>				1	T7		81/135
	5Q1729	<b>PIPE, PRESSURE GAUGE TO BLEEDER CONNECTION IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, STARBOARD, <math>\frac{1}{8}</math>" o/d x 22G x 8" LONG, GROUP</b>				1	T7		81/136
	6Q1729	<b>PIPE BLEEDER CONNECTION TO, COUPLING, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, PORT, <math>\frac{1}{8}</math>" o/d x 22G x 3' 4" LONG, GROUP</b>				1	T7		81/137
	7Q1729	<b>PIPE, BLEEDER CONNECTION TO COUPLING IN FRONT CENTRE PORTION, TO INBOARD ENGINE, PORT, <math>\frac{1}{8}</math>" o/d x 22G x 3' 3" LONG, GROUP</b>				1	T7		81/138
	8Q1729	<b>PIPE, BLEEDER CONNECTION TO COUPLING, IN FRONT CENTRE PORTION, TO INBOARD ENGINE, STARBOARD, <math>\frac{1}{8}</math>" o/d x 22G x 3' 2" LONG, GROUP</b>				1	T7		81/139
	9Q1729	<b>PIPE, BLEEDER CONNECTION TO COUPLING, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, STARBOARD, <math>\frac{1}{8}</math>" o/d x 22G x 3' 2" LONG, GROUP</b>				1	T7		81/140
	10Q1729	<b>PIPE, COUPLING TO COUPLING, ABOVE FLOOR, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, PORT, <math>\frac{1}{8}</math>" o/d x 22G x 3' 4" LONG, GROUP</b>				1	T7		81/141

**SERVICES**  
**OIL PRESSURE**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	11Q1729	PIPE, COUPLING TO COUPLING, ABOVE FLOOR ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 3' 5" LONG, GROUP				1	T7		81/142
	12Q1729	PIPE, COUPLING TO COUPLING, ABOVE FLOOR, IN FRONT CENTRE PORTION, TO INBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 3' 2" LONG, GROUP				1	T7		81/143
	13Q1729	PIPE, COUPLING TO COUPLING, ABOVE FLOOR, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 3' 2" LONG, GROUP				1	T7		81/144
1874	6Q1427	PIPE, COUPLING TO COUPLING, UNDER FLOOR, IN FRONT CENTRE PORTION, TO INBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 7' 10" LONG, GROUP				1	T7	C	81/145
1875	7Q1427	PIPE, COUPLING TO COUPLING, UNDER FLOOR, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 7' 10" LONG, GROUP				1	T7	C	81/146
1876	8Q1427	PIPE, COUPLING TO COUPLING, UNDER FLOOR, IN FRONT CENTRE PORTION, TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 7' 10" LONG, GROUP				1	T7	C	81/147
1877	9Q1427	PIPE, COUPLING TO COUPLING, UNDER FLOOR, IN FRONT CENTRE PORTION, TO INBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 7' 10" LONG, GROUP				1	T7	C	81/148
1800	22Q1427	PIPE, COUPLING TO COUPLING, AT WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION TO INBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 2' 10" LONG, GROUP				1	T7	C	81/149
1801	23Q1427	PIPE, COUPLING TO COUPLING, AT WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION, TO OUTBOARD ENGINE PORT, $\frac{1}{8}$ " x 22G x 2' 10" LONG, GROUP				1	T7	C	81/150
	18Q1729	PIPE, COUPLING TO COUPLING, AT WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION, TO INBOARD ENGINE STARBOARD, $\frac{1}{8}$ " o/d x 22G x 3' 6" LONG, GROUP				1	T7		81/151
	19Q1729	PIPE, COUPLING TO COUPLING, AT WING ROOT PANEL, STARBOARD, FRONT CENTRE PORTION TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 3' 6" LONG, GROUP				1	T7		81/152

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SERVICES  
OIL PRESSURE

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
1819	43Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, INSIDE FUSELAGE TO OUTBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 9' 2" LONG, GROUP				1	T7	C	81/153
1821	45Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, INSIDE FUSELAGE, TO INBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 8' 11" LONG, GROUP				1	T7	C	81/154
1796	16Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, CENTRE PORTION, PORT, OUTBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 6' 3" LONG, GROUP				1	T7	C	81/155
1797	17Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, CENTRE PORTION, PORT, TO INBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 5' 8" LONG, GROUP				1	T7	C	81/156
1878	10Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, CENTRE PORTION, STARBOARD, TO INBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 5' 7" LONG, GROUP				1	T7	C	81/157
1799	21Q1427	PIPE, COUPLING TO COUPLING, ALONG FRONT SPAR, CENTRE PORTION, STARBOARD, TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 6' 0" LONG, GROUP				1	T7	C	81/158
1805	27Q1427	PIPE, COUPLING TO COUPLING, AFT OF INBOARD ENGINE BULKHEAD, PORT TO OUTBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/159
2462	50Q1427	PIPE, COUPLING TO FLEXIBLE PIPE, AFT OF INBOARD ENGINE, BULKHEAD, PORT, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/160
2463	51Q1427	PIPE, COUPLING TO FLEXIBLE PIPE, AFT OF INBOARD ENGINE BULKHEAD, STARBOARD, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/161

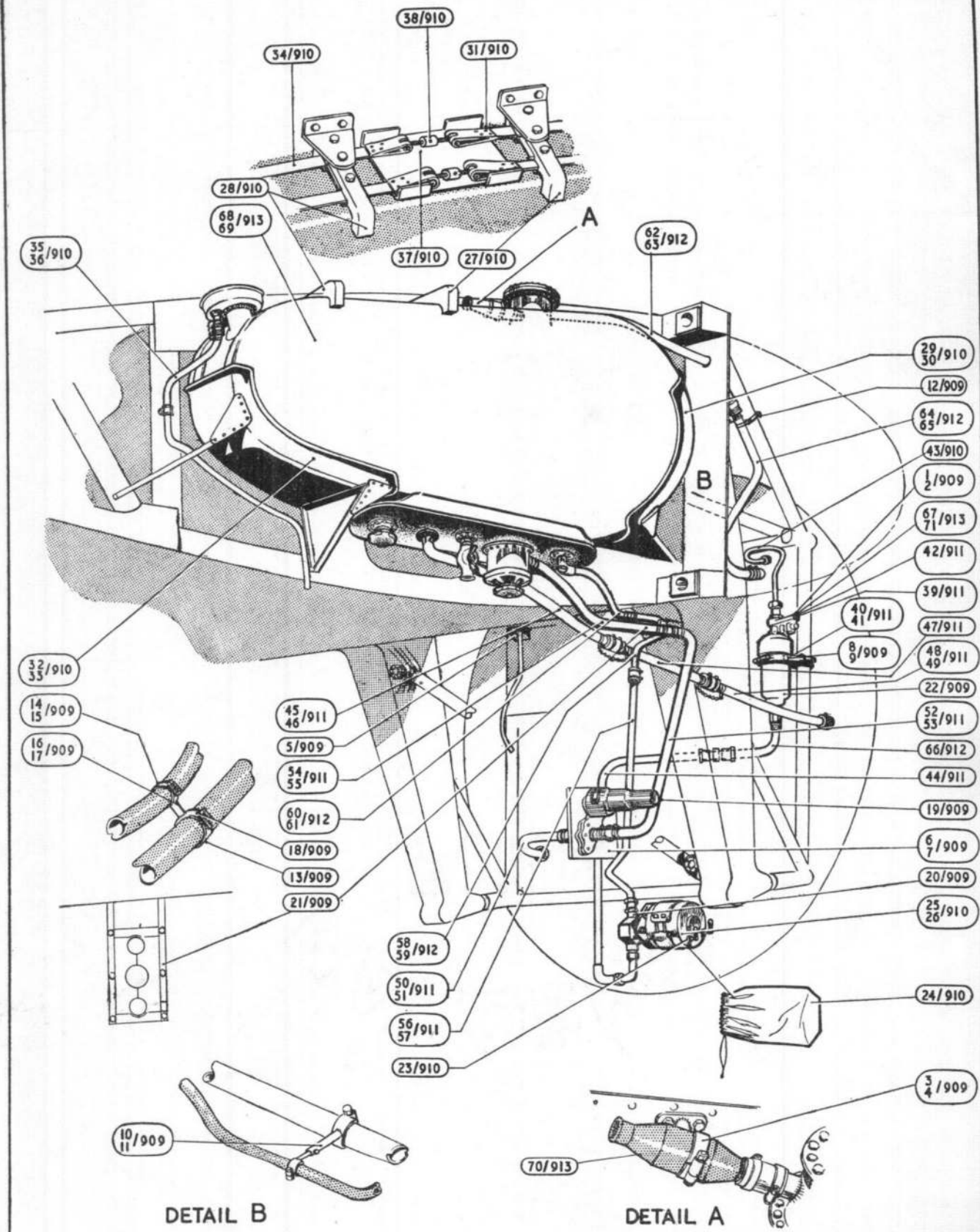
**SERVICES**  
**OIL PRESSURE**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
1804	26Q1427	PIPE, COUPLING TO COUPLING, AFT OF INBOARD ENGINE BULK-HEAD, STARBOARD, TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/162
1798	19Q1427	PIPE, COUPLING TO COUPLING, BETWEEN NOSE RIBS 1-6, INNER MAINPLANE, PORT, TO OUTBOARD ENGINE, PORT, $\frac{1}{8}$ " o/d x 22G x 9' 1" LONG, GROUP				1	T7	C	81/163
1879	12Q1427	PIPE, COUPLING TO COUPLING, BETWEEN NOSE RIBS 1-6 INNER MAINPLANE, STARBOARD, TO OUTBOARD ENGINE, STARBOARD, $\frac{1}{8}$ " o/d x 22G x 9' 1" LONG, GROUP				1	T7	C	81/164
2464	52Q1427	PIPE, COUPLING TO FLEXIBLE PIPE, AFT OF OUTBOARD ENGINE BULK-HEAD, PORT, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/165
2465	53Q1427	PIPE, COUPLING TO FLEXIBLE PIPE, AFT OF OUTBOARD ENGINE, BULK-HEAD, STARBOARD, $\frac{1}{8}$ " o/d x 22G, GROUP				1	T7	C	81/166
6A/2601	—	Transmitter, pressure, Mk. 1. C. ... ..				4	—	A	81/167

SERVICES  
OIL PRESSURE

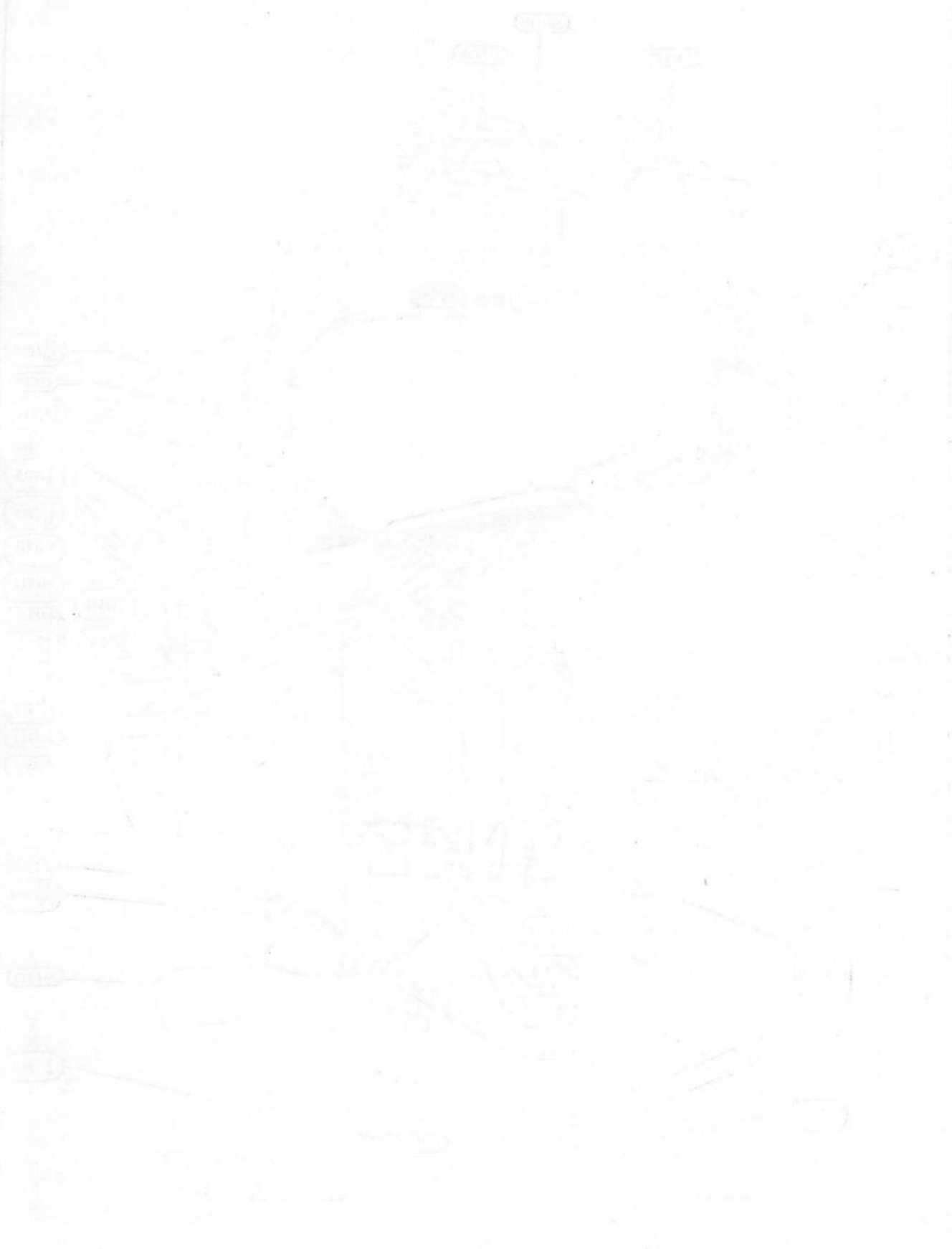
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
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<b>SUMMARY OF STOCK ITEMS USED ON OIL PRESSURE SYSTEM</b>									
28F/9735	AGS1142/A	Nipple, adaptor	...	...	...	4	—	C	
28N/9896	AGS209/0	Nipple, conical	...	...	...	68	—	C	
28M/11292	AGS1217/A	Nut, union, 1/8" BSP	...	...	...	68	—	C	
28F/11109	AGS1103/A	Union, body, for 1/8" o/d pipes	...	...	...	30	—	C	
28F/11856	AGS1112/A	Union, flanged, 1/8" BSF	...	...	...	8	—	C	
28F/11903	AGS1115/1	Washer	...	...	...	8	—	C	



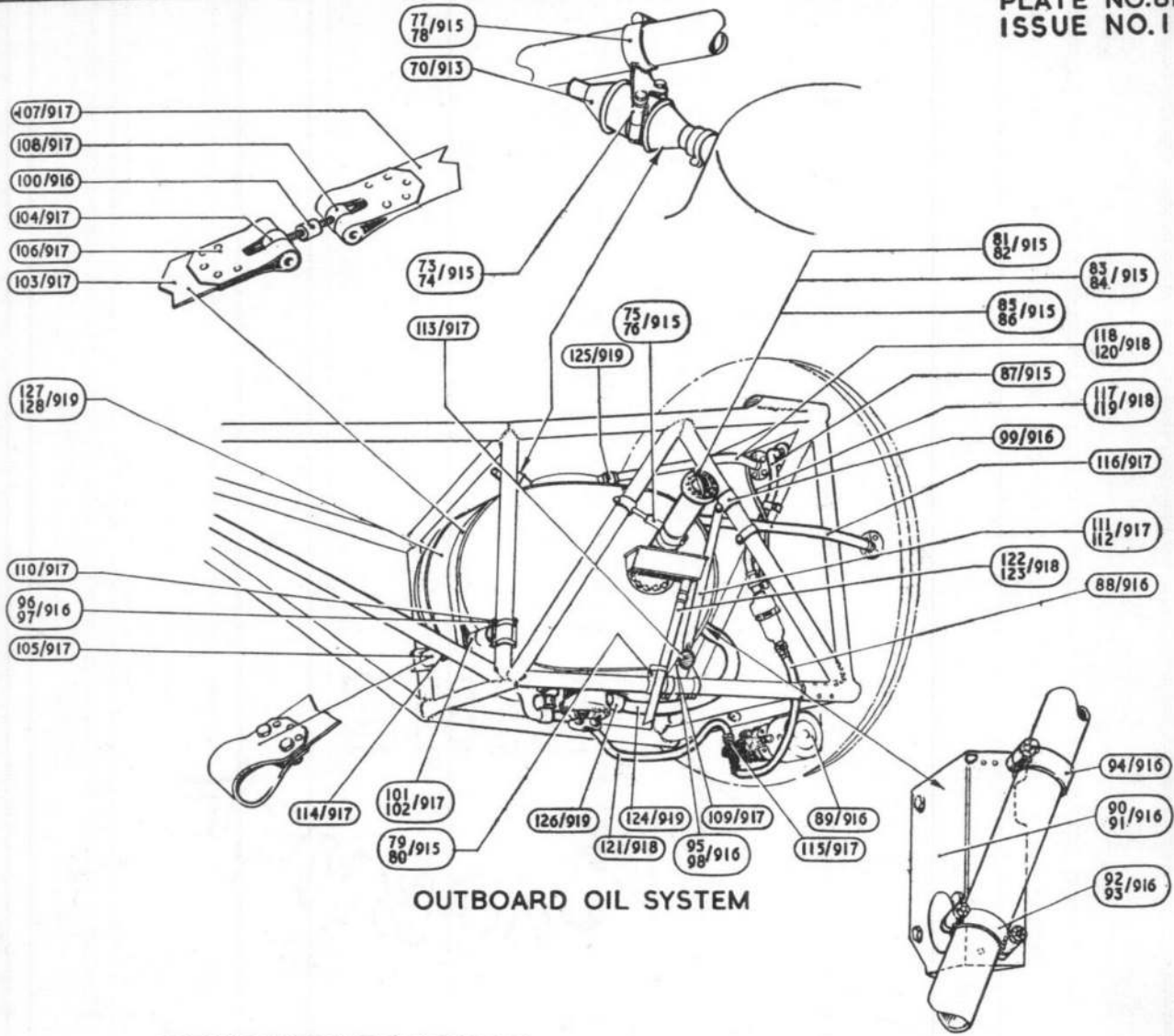


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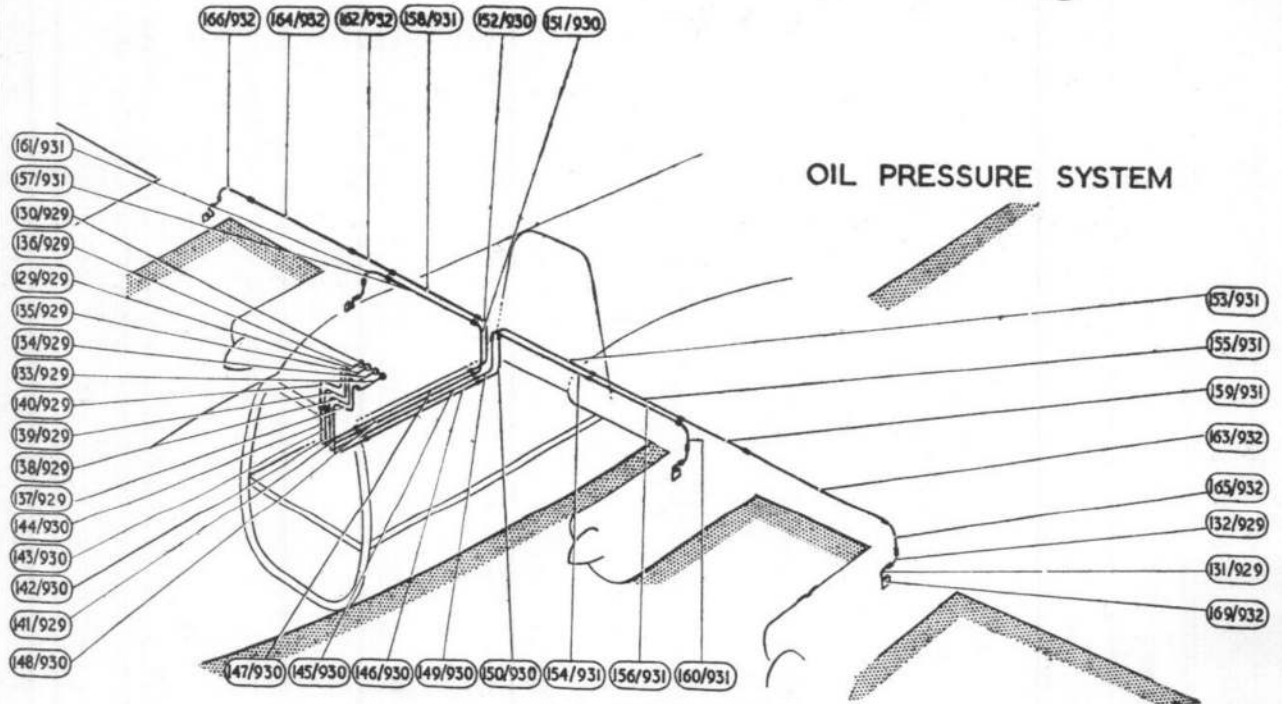
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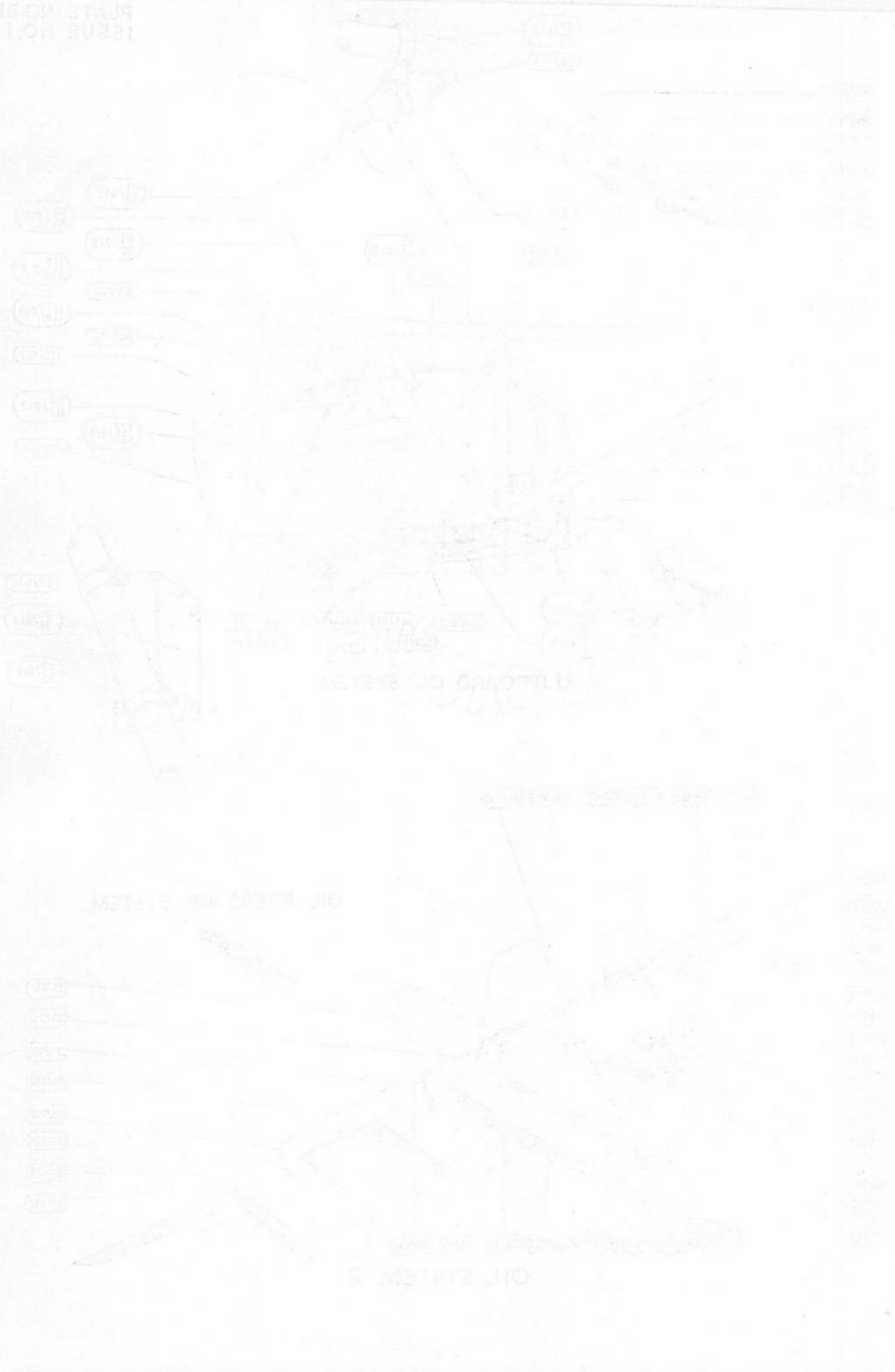


OUTBOARD OIL SYSTEM



OIL PRESSURE SYSTEM

OIL SYSTEM 2



SHACKLETON Mk. 2

SERVICES

OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OXYGEN SYSTEM ASSEMBLIES</b>									
Spares for :—									
<b>OXYGEN SYSTEM FUSELAGE NOSE PORTION</b> (See Dwgs. Z6685 & Q1733)									
Spares for :—									
6D/1444	—	<b>Economiser</b> Mk. 4, at gunners & B.A.'s stations				2	—	A	82/1
6D/743	—	<b>Indicator</b> , flowmeter ... ..				2	—	A	82/2
	121Z6685	<b>Pipe</b> , oxygen economiser to flowmeter (Bomb Aimer) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/3
	133Z6685	<b>Pipe</b> , flowmeter to cut-off valve (Bomb Aimer,) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/4
	112Z6685	<b>Pipe</b> , cut-of valve to coupling $\frac{5}{16}$ " o/d x 22G x 18" long (Bomb Aimer)				1	DTD323A		82/5
	146Z6685	<b>Pipe</b> , coupling to coupling $\frac{5}{16}$ " o/d x 22G x 55" long (Bomb Aimer)				1	DTD323A		82/6
	93Z6685	<b>Pipe</b> , coupling to coupling (Bomb Aimer) $\frac{5}{16}$ " o/d x 22G x 25" long				1	DTD323A		82/7
	94Z6685	<b>Pipe</b> , coupling to coupling (Gunners) $\frac{5}{16}$ " o/d x 22G x 32" long				1	DTD323A		82/8
	145Z6685	<b>Pipe</b> , coupling to coupling (Gunners) $\frac{5}{16}$ " o/d x 22G x 57" long				1	DTD323A		82/9
	122Z6685	<b>Pipe</b> , oxygen economiser to flowmeter (Gunners) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/10
	123Z6685	<b>Pipe</b> , flowmeter to cut-off valve (Gunners) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/11
	124Z6685	<b>Pipe</b> , cut-off valve to coupling (Gunners) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/12
	110Z6685	<b>Pipe</b> , coupling to elbow (Gunners) $\frac{5}{16}$ " o/d x 22G x 40" long				1	DTD323A		82/13
	109Z6685	<b>Pipe</b> , elbow to coupling (Gunners) $\frac{5}{16}$ " o/d x 22G x 27" long				1	DTD323A		82/14
1826	74Z5343	<b>PIPE, HP, <math>\frac{3}{16}</math>" o/d x 22G (Pre.Mod. 484)</b>				1	DTD477	C	83/37
5531	65Z6319	<b>PIPE, HP, <math>\frac{3}{16}</math>" o/d x 22G (Mod. 484) ...</b>				1	DTD477	C	
	75Z5343	<b>PIPE, HP, <math>\frac{3}{16}</math>" o/d x 22G (Pre.Mod. 484)</b>				1	DTD477		83/38
5530	64Z6319	<b>PIPE, HP, <math>\frac{3}{16}</math>" o/d x 22G (Mod. 484) ...</b>				1	DTD477	C	
6D/527	—	<b>Socket</b> , bayonet ... ..				2	—	A	82/15
6D/1432	—	<b>Stowage</b> , portable oxygen, aft of gunners seat and at former "H"				2	—	A	82/16
6D/531	—	<b>Tube</b> , flexible, from economiser, 5' long ...				2	—	A	82/17
6D/480	—	<b>Valve</b> , cut-off ... ..				2	—	A	82/18

**SERVICES**  
**OXYGEN INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE FRONT CENTRE PORTION (1Z6911 &amp; Q1744)</b>							
		Spares for :—							
6D/428	—					2	—	A	82/19
13197	8Z1882					8	—	C	83/20
2574	1Z5347					1	—	A	82/21
		<b>CRATE, OXYGEN CYLINDER IN BOMB BAY, GROUP (See Equipment—S.O.O.)</b>							
6D/1444	—					7	—	A	82/1
	3Z6319					2	BSS668		
	8Z6319					4	BSS668		
	39Z8626					1	—		
26DC/4919	25Z3224					3	—	C	
3765	6Z6911					1	—	C	83/26
7951	22Q1150					3	—	C	83/30
6D/1443	—					1	—	A	83/41
6D/743	—					2	—	A	82/2
6D/820	—					4	—	A	83/31
6D/515	—					4	—	A	82/32
		<b>PANEL, REGULATOR ON F/E's BULK-HEAD (Z4417) (Pre.Mod. 484)</b>							
		Spares for :—							
	4Z4417					1	—		
	1Z8032								
		<b>PANEL, REGULATOR ON F/E's BULK-HEAD, GROUP (Mod. 484)</b>							
		Spares for :—							
5526	3Z8032					1	—	C	
	6D10140					1	—		
	578SS6002					1	—		
5525	2Z8032					1	L72	C	
6952	206Z5343					1	—	C	83/33
		<b>PANEL, OXYGEN, AT FORMER " C ", STARBOARD, GROUP</b>							
6D/575	—					3	—	A	82/43
	95Z6685					1	DTD323A		82/46
	92Z6685					1	DTD323A		82/47
	98Z6685					1	DTD323A		83/48
	324Z6685					1	DTD323A		83/49
	135Z6685					1	DTD323A		83/50
	99Z6685					1	DTD323A		83/51
	100Z6685					1	DTD323A		83/52
	101Z6685					1	DTD323A		83/53
	33Z6911					1	DTD323A		83/54

SHACKLETON Mk 2

## SERVICES

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## OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE FRONT CENTRE PORTION (Z6911)</b> (Cont'd)							
	138Z6685	PIPE, REGULATOR PANEL, $\frac{5}{16}$ " o/d x 22G, GROUP				1	DTD323A		83/55
	270Z5343	PIPE, COUPLING TO COUPLING AT FORMER "B", $\frac{5}{16}$ " o/d x 22G x 29", GROUP				1	DTD323A		83/56
5527	66Z6319	PIPE, REGULATOR TO COUPLING, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD477	C	83/57
	72Z5343	PIPE, COUPLING TO COUPLING BELOW FLOOR AT FORMER "B", $\frac{3}{16}$ " o/d x 22G x 27", GROUP				1	DTD477		83/58
	12Z6685	PIPE, COUPLING TO OXYGEN CRATE, $\frac{3}{16}$ " o/d x 22G, GROUP				1	DTD477		83/59
	102Z6685	PIPE, COUPLING TO COUPLING AT FORMER "B", $\frac{5}{16}$ " o/d x 22G x 41", GROUP				1	DTD323A		83/60
	97Z6685	PIPE, COUPLING TO TEE-PIECE AT FORMER "B", $\frac{5}{16}$ " o/d x 22G x 41", GROUP				1	DTD323A		83/61
	96Z6685	PIPE, TEE-PIECE TO MANIFOLD, PORT, $\frac{5}{16}$ " o/d x 22G x 10", GROUP				1	DTD233A		83/62
	122Z6319	Pipe, manifold coupling at former "B", $\frac{5}{16}$ " o/d x 22G x 14"				1	DTD323A		83/63
	121Z6319	Pipe, coupling to economiser (1st Pilot) $\frac{5}{16}$ " o/d x 22G x 38"				1	DTD323A		83/64
	120Z6319	Pipe, manifold to union, port, $\frac{5}{16}$ " o/d x 22G x 26"				1	DTD323A		83/65
	119Z6319	Pipe, union to cut-off valve at former 2, $\frac{5}{16}$ " o/d x 22G x 42"				1	DTD323A		83/66
	94Z6319	Pipe, flowmeter to economiser (W/O) $\frac{5}{16}$ " o/d x 22G x 42"				1	DTD323A		83/67
	103Z6685	PIPE, TEE-PIECE TO UNION, BETWEEN FORMERS "B" & 2, $\frac{5}{16}$ " o/d x 22G x 33", GROUP				1	DTD323A		82/68
	36Z8663	Pipe, radio ops. economiser to flexible pipe, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/24
	33Z8663	Pipe, flexible pipe to elbow at cut-off valve, forward at radio ops. station, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/28
	32Z8663	Pipe, manifold to elbow at radio ops. station, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/29
	37Z8663	Pipe, flexible pipe to economiser at former 5, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/45
	35Z8663	Pipe, manifold to aft cut-off valve at radio ops. station, $\frac{5}{16}$ " x 22G				1	DTD323		83/72
	34Z8663	Pipe, flexible pipe to union at aft cut-off valve, at radio ops. station, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/73

**SERVICES**  
**OXYGEN INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE FRONT CENTRE PORTION (Z6911)</b> (Cont'd)							
	38Z8663	Pipe, manifold to flexible pipe at radio ops. station, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/74
	40Z8663	Pipe, flexible pipe to manifold between formers 3 & 4, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/75
	39Z8663	Pipe, flexible pipe to manifold between formers 3 & 4, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/76
	53Z8626	Pipe, between flexible pipes in line from economiser to flowmeter at former 5				1	DTD323		83/77
	54Z8626	Pipe, between flexible pipes in line from flowmeter to valve at former 5, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/78
	55Z8626	Pipe, flexible pipe at manifold to elbow at former 6, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/79
	51Z8626	Pipe, between flexible pipes at former 3, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/80
	52Z8626	Pipe, between flexible pipes at former 3, $\frac{5}{16}$ " o/d x 22G				1	DTD323		
	58Z8626	Pipe, flexible pipe at manifold to elbow at former 6, $\frac{5}{16}$ " o/d x 22G				1	DTD323		83/81
	139Z6685	<b>PIPE, TEE-PIECE AT MANIFOLD TO UNION, GROUP</b>				1	DTD323		83/69
5530	64Z6319	<b>PIPE, FILTER TO REGULATOR AT FORMER " B ", <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD477	C	
5531	65Z6319	<b>PIPE, CUT-OFF VALVE TO FILTER AT FORMER " B ", <math>\frac{3}{16}</math>" o/d x 22G, GROUP</b>				1	DTD477	C	
	36Z6911	<b>PIPE, UNION AT FORMER 6 TO TEE-PIECE AT FORMER 4, <math>\frac{5}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		83/70
	140Z6685	<b>PIPE, UNION AT FORMER 6 TO TEE-PIECE AT FORMER 4, <math>\frac{5}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		83/64
	64Z8626	<b>PIPE, FLEXIBLE PIPE AT MANIFOLD TO UNION AT FORMER 4, <math>\frac{5}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323		83/71
	27Z8626	<b>PIPE, FLEXIBLE, C/W CLIPS AT W/T OPS. ECONOMISER, <math>\frac{1}{4}</math>" i/d x <math>\frac{1}{2}</math>" o/d x 12", GROUP</b>				1	DTD251		
	28Z8626	<b>PIPE, FLEXIBLE, C/W CLIPS AT W/T OPS. FLOWMETER, <math>\frac{1}{4}</math>" i/d x <math>\frac{1}{2}</math>" o/d x 9", GROUP</b>				1	DTD251		
	29Z8626	<b>PIPE, FLEXIBLE, C/W CLIPS AT W/T OPS. FLOWMETER, <math>\frac{1}{4}</math>" i/d x <math>\frac{1}{2}</math>" o/d x 9", GROUP</b>				1	DTD251		83/84

SERVICES  
OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE FRONT CENTRE PORTION (Z6911)</b> (Cont'd)							
	30Z8626	PIPE, FLEXIBLE, C/W CLIPS, VALVE TO FLOWMETER AT W/T OPS. STATION, 1/4" i/d x 1/2" o/d x 12", GROUP				1	DTD251		
	31Z8626	PIPE, FLEXIBLE, C/W CLIPS, FLOWMETER TO ECONOMISER AT FORMER 5, 1/4" i/d x 1/2" o/d x 12", GROUP				1	DTD251		
	32Z8626	PIPE, FLEXIBLE, C/W CLIPS, AT FLOWMETER AT FORMER 5, 1/4" i/d x 1/2" o/d x 9", GROUP				1	DTD251		
	33Z8626	PIPE, FLEXIBLE, C/W CLIPS, AT FLOWMETER AT FORMER 5, 1/4" i/d x 1/2" o/d x 9", GROUP				1	DTD251		
	34Z8626	PIPE, FLEXIBLE, C/W CLIPS, VALVE TO FLOWMETER AT FORMER 5, 1/4" i/d x 1/2" o/d x 12", GROUP (The flexible pipes listed above, each comprise tube Stores Ref. 32C/472 to required length and two clips AGS606/D, Stores Ref. 28E/3321)				1	DTD251		
	83Z8626	PIPE, FLEXIBLE, C/W CLIPS, BETWEEN FORMERS 3 & 4, 1/4" i/d x 1/2" o/d x 12", GROUP				1	DTD625A		
	84Z8626	PIPE, FLEXIBLE, C/W CLIPS, BETWEEN FORMERS 3 & 4, 1/4" i/d x 1/2" o/d x 12", GROUP				1	DTD625A		
	85Z8626	PIPE, FLEXIBLE, C/W CLIPS, AT MANIFOLD, BETWEEN FORMERS 3 & 4, 1/4" i/d x 1/2" o/d x 12", GROUP				1	DTD625A		83/103
28E/10154	AGS605/00 85aZ8626	Consisting of :— Clip, pipe ... .. 2 Tube, rubber ... .. 1					— DTD625	C	
6D/1395	—	Regulator ... .. 1				1	—	A	83/39
13196	7Z1882	Screw, flexible tube clips ... .. 2				2	—	C	83/93
6D/916	—	Set, portable oxygen ... .. 2				2	—	A	83/94
6D/527	—	Socket, bayonet ... .. 7				7	—	A	83/15
6D/1430	—	Stowage, portable oxygen ... .. 4				4	—	A	83/16
	145Z5343	Stowage, portable oxygen, starboard ... .. 1				1	—	A	83/95
6D/533	—	Tube, flexible, 9' 0" ... .. 2				2	—	B	
6D/531	—	Tube, flexible, 5' 0" ... .. 2				2	—	B	83/17
6D/532	—	Tube, flexible, 7' 0" ... .. 4				4	—	B	83/96
6D/480	—	Valve, cut-off ... .. 6				6	—	A	83/18
6D/233	—	Valve, at regulator ... .. 1				1	—	A	83/42

SERVICES  
OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE CENTRE PORTION (133Z6319) (Q1724)</b>							
		Spares for :—							
	56Z6319	<b>BRACKET, MOUNTING, HALF FAIRLEAD ON FORMER 8 BULKHEAD, GROUP</b>				1	—		
6D/1444	3SS3859	Clip, pipe ... ..				5	—	A	83/1
	—	Economiser, oxygen ... ..				2	—		
	21Z8663	<b>FAIRLEAD, ON FORMER 8, GROUP</b>				1	—		
	39Z8626	<b>FAIRLEAD, ON FORMER 7, GROUP</b>				1	—		
26DC/4919	25Z3224	<b>FAIRLEAD, ON FORMER 8, GROUP</b>				1	—	C	
6D/742	40Z6319	Fairlead, half, on bracket at ... ..				2	BSS668	A	
	—	Indicator, oxygen flow ... ..				1	—		
	56Z8626	Pipe, cut-off valve to elbow, $\frac{5}{16}$ " x 22G ...				1	DTD323		83/87
	59Z8626	Pipe, cut-off valve at former 8 to elbow, $\frac{5}{16}$ " x 22G				1	DTD323		83/91
	60Z8626	Pipe, cut-off valve to indicator, former 8, $\frac{5}{16}$ " x 22G				1	DTD323		83/92
	63Z8626	Pipe, indicator at former 8 to economiser, $\frac{5}{16}$ " x 22G				1	DTD323		83/206
	65Z8626	Pipe, between elbows in line to cut-off, on former 8, $\frac{5}{16}$ " x 22G				1	DTD323		83/202
	66Z8626	Pipe, elbow at former 8 to elbow at former 10, $\frac{5}{16}$ " x 22G				1	DTD323		83/201
	136Z6319	Pipe, indicator to aft economiser, $\frac{5}{16}$ " x 22G				1	DTD323		83/88
	137Z6319	Pipe, indicator to elbow at former 8, $\frac{5}{16}$ " x 22G				1	DTD323		83/89
	138Z6319	Pipe, indicator to forward economiser, $\frac{5}{16}$ " x 22G				1	DTD323		83/90
	107Z6685	Pipe, tee-piece former to union former 12				1	DTD323		82/110
6D/527	—	Socket, bayonet ... ..				2	—	B B A	
6D/532	—	Tube, flexible, 7' long ... ..				2	—		
6D/480	—	Valve, cut-off ... ..				2	—		

SERVICES

OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OXYGEN SYSTEM IN FUSELAGE REAR CENTRE PORTION</b>									
(See Dwg. Q1725 & Z5343, Sheet 7)									
Spares for:—									
6D/428	—					1	—	A	82/19
13457	3SS3859					14	—	C	82/97
13197	8Z1882					7	—	C	82/20
6D/1444	—					4	—	A	82/1
13232	12SS3529					6	Rubber	C	
6D/743	—					4	—	A	82/2
6D/515	—					2	—	A	82/32
	2Z6881					4	DTD590		82/113
	12Z5343					1	L72		82/114
6D/429	—					1	—	A	82/115
	290Z5343					1	DTD323A		82/116
	293Z5343					1	DTD323A		82/117
	291Z5343					1	DTD323A		
	143Z6685					1	DTD323A		82/118
	142Z6685					1	DTD323A		82/120
	282Z5343					1	DTD323A		82/123
	284Z5343					1	DTD323A		82/124
	313Z5343					1	DTD323A		82/125
	305Z5343					1	DTD323A		82/126
	285Z5343					1	DTD323A		82/127
	328Z5343					1	DTD323A		82/128
	144Z6685					1	DTD323A		82/205
15133	147Z6685					1	DTD323A	C	82/119

**SERVICES**  
**OXYGEN INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
		1	2	3	4			St. M.R.	
		<b>OXYGEN SYSTEM IN FUSELAGE REAR CENTRE PORTION</b> (See Dwg. Q1725 & Z5343 Sheet 7) (Cont'd)							
	283Z5343	Pipe, joint elbow to cut-off valve on former 22 bulkhead, (lower) $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/129
	327Z5343	Pipe, flowmeter to oxygen economiser, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/130
	114Z6685	<b>PIPE, COUPLING TO MANIFOLD BELOW FLOOR, AT FORMER 26, <math>\frac{5}{16}</math>" o/d x 22G, GROUP</b>				1	DTD323A		82/131
	115Z6685	Pipe, manifold, below floor at former 26, to coupling above floor, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/132
	118Z6685	Pipe, coupling to cut-off valve at former 27, port, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/133
	325Z5343	Pipe, from flowmeter on panel at former 27, to oxygen economiser, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/134
	116Z6685	Pipe, from manifold, below floor at former 26 to coupling, port, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/135
	117Z6685	Pipe, coupling to joint elbow starboard observer, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/136
	288Z5343	Pipe, joint elbow to cut-off valve on panel at former 26, starboard, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/137
	289Z5343	Pipe, flowmeter on panel at former 26, starboard, to oxygen economiser, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/138
	119Z6685	Pipe, manifold to coupling below floor at former 27, port, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/139
	120Z6685	Pipe, coupling to coupling, below floor between formers 27-31, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/140
	116Z5343	Plate, clamp, for pipes on bulkhead, former 22				2	L72		82/141
	196Z5343	Plate, clamp, for pipes on bulkhead, former 22				2	L72		82/142
	121Z5343	Plate, clamp, for pipes on bulkhead top, former 22				2	L72		82/143
	183Z5343	Plate, clamp, for pipes on bulkhead top, former 22				2	L72		82/144

SERVICES

OXYGEN INSTALLATION

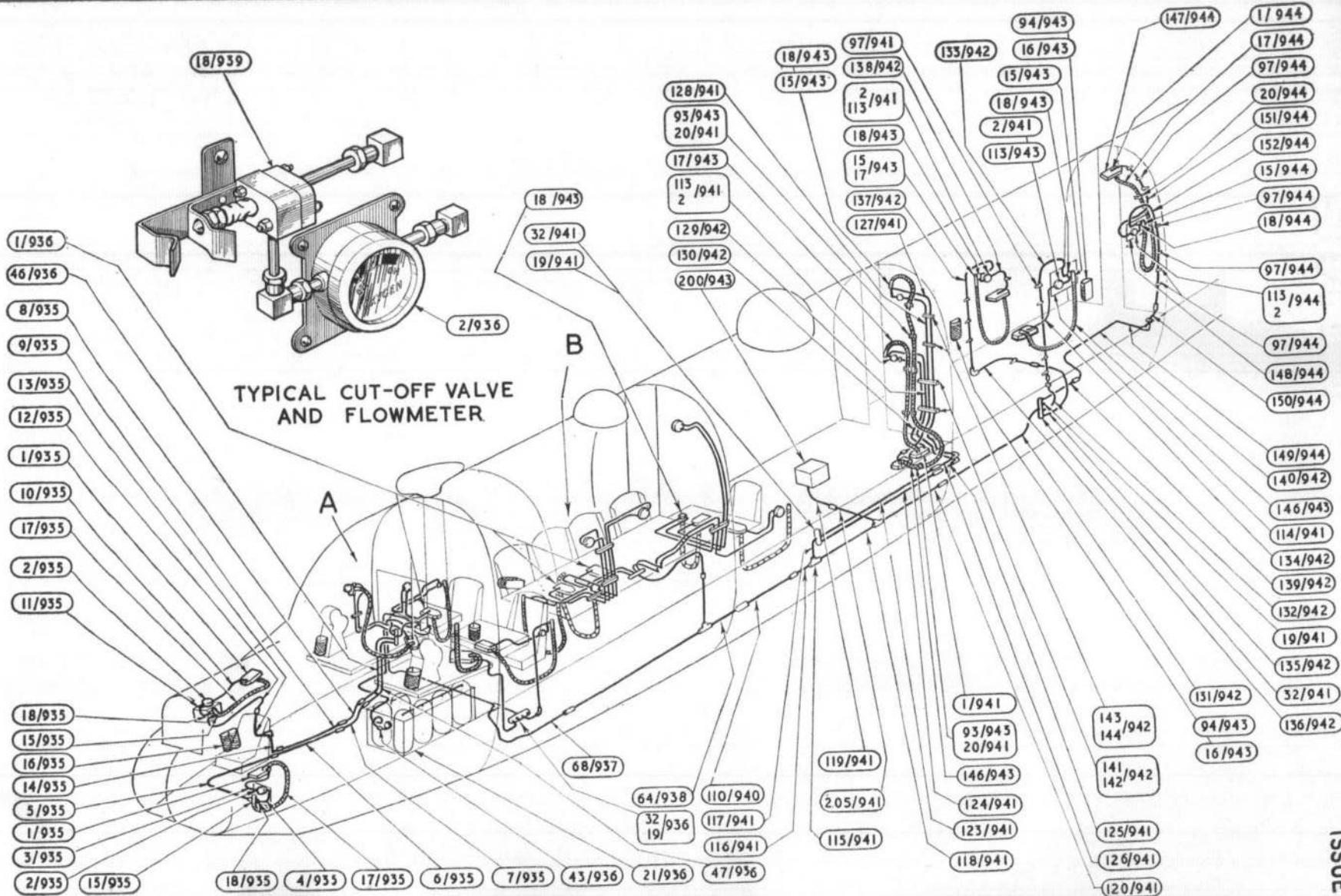
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>OXYGEN SYSTEM IN FUSELAGE REAR CENTRE PORTION (See Dwg. Q1725 &amp; Z2543) (Cont'd)</b>									
13196	7Z1882					7	—	C	82/93
6D/916	—					3	—	A	82/94
	15Z1795					1	—	C	
6D/527	—					4	—	A	82/15
6D/1432	—					3	—	A	82/16
6D/531	—					2	—	A	82/17
6D/533	—					2	—	A	82/146
	2Z9860					1	—		82/200
<b>UNIT, AUXILIARY OXYGEN IN REAR CENTRE PORTION, GROUP (Mod. 818)</b>									
	3Z9860					1	—		
Spares for :—									
	3bZ9860					1	L72		
Spares for :—									
	4Z9860					1	—		
6D/1598	—					4	—	A	82/113
6D/515	—					1	—	B	
	538Z7739					1	DTD323		
	539Z7739					1	DTD323		
	540Z7739					1	DTD323		
	541Z7739					1	DTD323		
	542Z7739					1	DTD323		
	543Z7739					1	DTD323		
	544Z7739					2	DTD323		
	545Z7739					2	DTD323		
	546Z7739					1	DTD323		
	547Z7739					1	DTD323		
	548Z7739					1	DTD323		
	549Z7739					1	DTD323		
	9hZ9860					1	L72		
6D/480	—					4	—	B	
6D/1444	—					4	—	A	
	535Z7739					1	DTD323		
	534Z7739					1	DTD323		
	536Z7739					1	DTD323		
	537Z7739					1	DTD323		
6D/527	—					4	—	B	
6D/533	—					4	—	B	
6D/480	—					5	—	A	82/18

**SERVICES**  
**OXYGEN INSTALLATION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>OXYGEN SYSTEM, FUSELAGE REAR PORTION (240Z5343)</b>							
		Spares for :—							
	213Z5343	<b>BRACKET, MOUNTING, OXYGEN IN ROOF BETWEEN FORMERS 31-32, GROUP</b>				1	—		82/147
13457	3SS3859	Clip, pipe ... ..				6	—	C	82/97
13197	8Z1882	Clip, spring, for flexible tube ... ..				1	—	C	82/20
6D/1444	—	Economiser, Mk. 4 ... ..				1	—	A	82/1
13232	12SS3529	Grommet, for pipes at floor ... ..				2	—	C	
6D/743	—	Indicator, flowmeter ... ..				1	—	A	82/2
	2Z6881	Packing, flowmeter ... ..				1	Felt		82/113
	13Z5345	Panel, mounting, cut-off valve and flowmeter				1	L72		82/148
	141Z6685	Pipe, coupling to joint elbow at former 32, port, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/149
	303Z5343	Pipe, joint elbow to coupling along former 32, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/150
	326Z5343	Pipe, flowmeter to oxygen economiser, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/151
	294Z5343	Pipe, coupling to cut-off valve at former 32, $\frac{5}{16}$ " o/d x 22G				1	DTD323A		82/152
6D/527	—	Socket, bayonet ... ..				1	—	A	82/15
6D/531	—	Tube, flexible, to economiser, 5' 0" long ...				1	—	A	82/17
6D/480	—	Valve, cut-off ... ..				1	—	A	82/18

RESTRICTED

# OXYGEN. I



RESTRICTED

RECEIVED

GRADEN 1

1999 10 20 10:00 AM

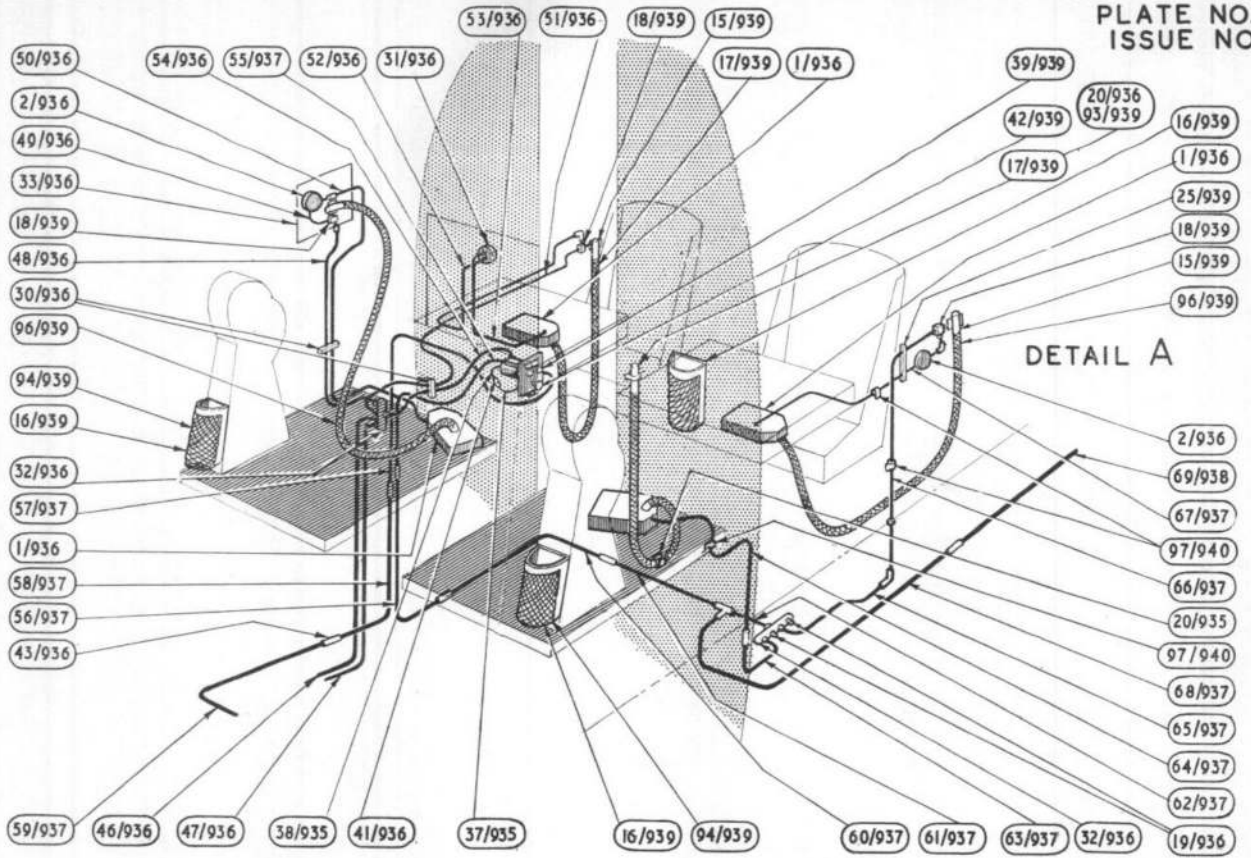
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FORM NO. 1  
REV. 10/85

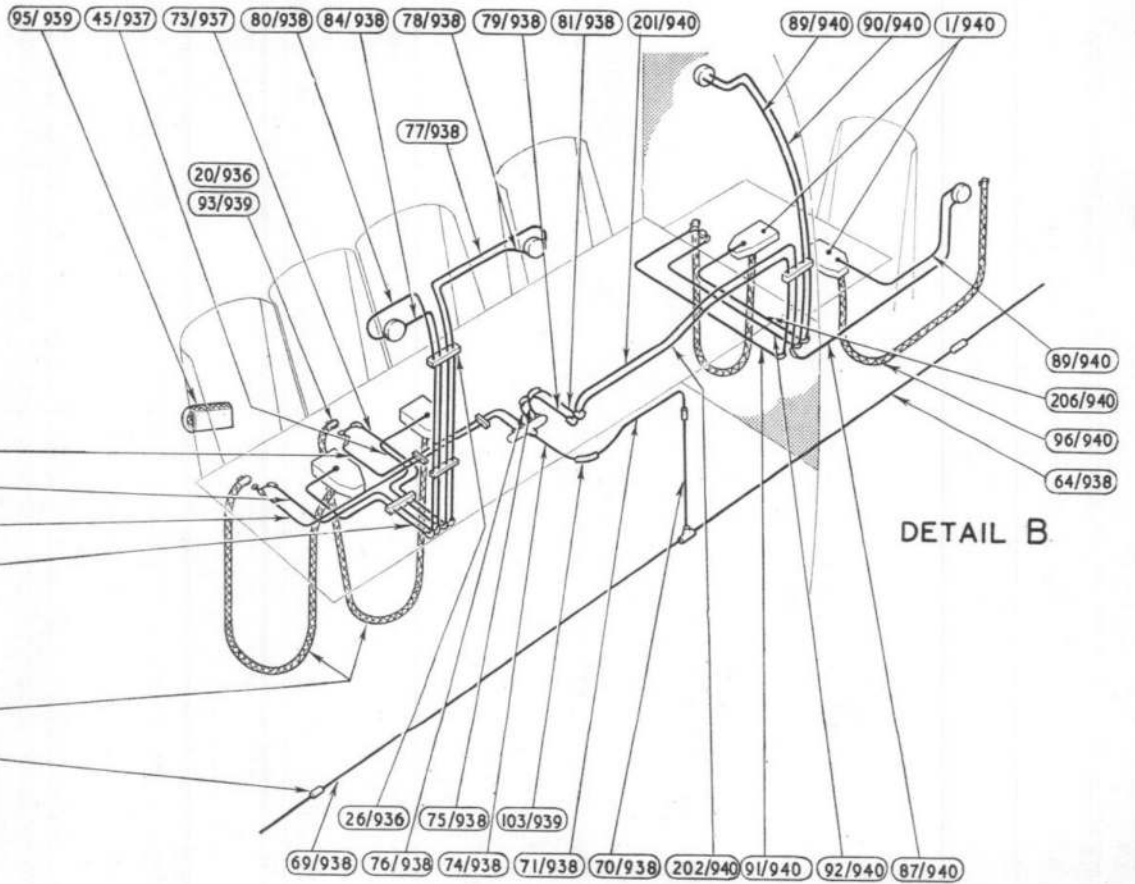
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RESTRICTED

PLATE NO. 83  
ISSUE NO. 2



DETAIL A



DETAIL B

OXYGEN. 2

RESTRICTED

PLEASE NOTE  
PLATE NO. 3

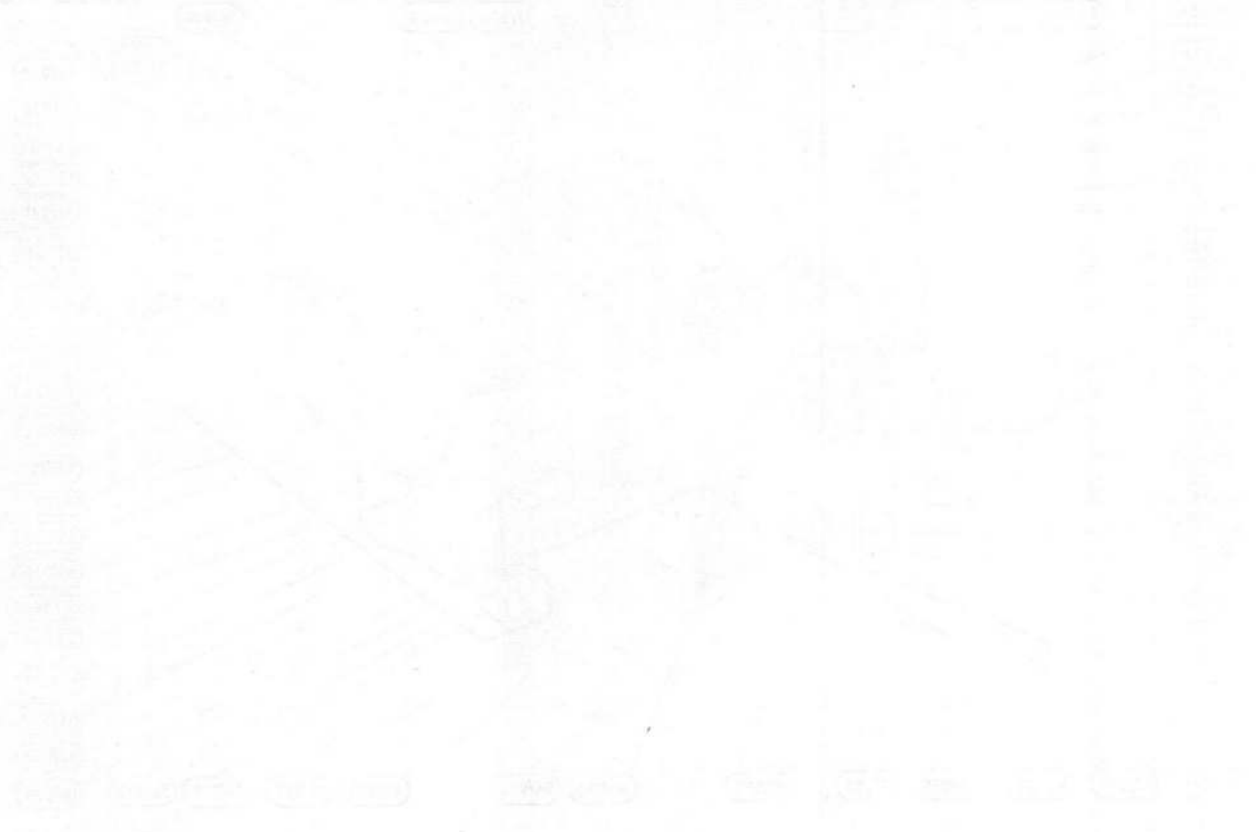


FIG. 1. BRACKET FOR THE MOUNTING OF THE PHOTOGRAPHIC APPARATUS



FIG. 2. BRACKET FOR THE MOUNTING OF THE PHOTOGRAPHIC APPARATUS

SERVICES  
OXYGEN INSTALLATION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON OXYGEN SYSTEM</b>									
28F/7360	AGS900/2	Collar, pipe	...	...	...	...	11	—	C C C C C C C C C
28F/7361	AGS900/3	Nipple, pipe	...	...	...	...	11	—	
28V/5168	AGS838/4	Nut, union	...	...	...	...	178	—	
28V/5109	AGS838/5	Ring, rubber	...	...	...	...	99	—	
28F/6868	AGS900/1	Sleeve, outer	...	...	...	...	11	—	
28F/7362	AGS900/4	Sleeve, inner	...	...	...	...	8	—	
28V/5104	AGS838/1	Union, straight	...	...	...	...	43	—	
28V/5107	AGS838/3	Union, elbow	...	...	...	...	45	—	



SHACKLETON Mk. 2

SERVICES

PIPING SERVICES IN CENTRE SECTION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>PIPING SERVICES, FRONT CENTRE SECTION (Q1744)</b>									
2721	2SS3859	Spares for :— <b>Clip</b> , pipe, for nitrogen pipe running athwart ship, forward of former 5				8	—	C	
26EA/19449	3SS3859	<b>Clip</b> , pipe, for A.S.I. pipe running athwart ship, aft of former 2				8	—	C	
	AS4525/4	<b>Clip</b> , pipe for A.S.I. pipe at stringer 19, aft of former 3 port				1	—	C	
	9Q1744	<b>Fairlead</b> , between formers " B " and " A " for A.S.I. and oxygen pipes running athwart ship				3	BSS6		
28D/12515	A25/10C	Attachments for 9Q1744							
28M/10288	AGS2001/C1	<b>Bolt</b> , hex. hd, 2 BA ... ..				1	—	C	
28W/9419402	SP13/C	<b>Nut</b> , stiff, 2 BA ... ..				1	—	C	
		<b>Washer</b> , 2 BA ... ..				1	—	C	
	6Q1470	<b>Fairlead</b> , at wing root panel, between formers 5 and 6, port and starboard				1	BSS668	C	
28D/12515	A25/2C	Attachments for 6Q1470							
28M/10288	AGS2001/C1	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
28W/9419402	SP13/C	<b>Nut</b> , stiff, 2 BA ... ..				2	—	C	
		<b>Washer</b> , 2 BA ... ..				2	—	C	
	5Q1744	<b>Fairlead</b> , at former " E ", outboard, port ...				1	BSS668	C	
	27Q1744	<b>Fairlead</b> , at former 3, for zero reader flight computer, port				1	BSS668	C	
	20Q1744	<b>Fairlead</b> , at floor level, between formers 5 and 6, port				1	BSS668	C	
28D/7002428	A25/6C	Attachment for 20Q1744							
		<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
	46Q1436	<b>Fairlead</b> , for A.S.I. pipes, aft of former 3 at stringer 19, port				1	BSS668	C	
28D/7279	A15Y/8C	Attachments for 46Q1436							
28M/10288	AGS2001/C1	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
28W/9419454	SP10/C	<b>Nut</b> , stiff, 2 BA ... ..				2	—	C	
		<b>Washer</b> ... ..				2	—	C	
	45aQ1436	<b>Fairlead</b> , half, for A.S.I. pipes, at floor level, aft of former 3, port				1	BSS668	C	
	45bQ1436	<b>Fairlead</b> , half, for A.S.I. pipes, at floor level, aft of former 3, port				1	BSS668	C	
	45cQ1436	<b>Strip</b> , bonding, for fairlead, port ... ..				1	—	C	
28D/12515	A25/10C	Attachments for 45cQ1436							
28D/7002428	A25/6C	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
28M/10288	AGS2001/C1	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
28W/9419402	SP13/C	<b>Nut</b> , stiff, 2 BA ... ..				2	—	C	
		<b>Washer</b> , 2 BA ... ..				2	—	C	
	22Q1150	<b>Fairlead</b> , for A.S.I. piping at A.M.U., port				1	BSS668	C	
28D/1011019	A25/8C	Attachments for 22Q1150							
28M/10288	AGS2001/1C	<b>Bolt</b> , hex. head, 2 BA ... ..				1	—	C	
28W/9419402	SP13/C	<b>Nut</b> , stiff, 2 BA ... ..				1	—	C	
		<b>Washer</b> , 2 BA ... ..				1	—	C	

## SERVICES

## PIPING SERVICES IN CENTRE SECTION

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>PIPING SERVICES, FRONT CENTRE SECTION (Q1744) (Cont'd)</b>									
	47Q1436	<b>Fairlead</b> , for A.S.I. pipes between formers 3 and 4, at stringer 16, port				1	BSS668	C	
		Attachments for 47Q1436							
		<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
28D/- 28M/10288 28W/9419454	A157/6C AGS2001/C1 SP10/C	<b>Nut</b> , stiff, 2 BA ... ..				2	—	C	
		<b>Washer</b> , 2 BA ... ..				2	—	C	
	48Q1436	<b>Fairlead</b> , for A.S.I. pipes between formers 3 and 4, at stringer 13, port				1	BSS668	C	
		Attachments for 48Q1436							
		<b>Blot</b> , hex. head, 2 BA ... ..				2	—	C	
28D/- 28M/10288 28W/9419402	A15Y/5C AGS2001/1C SP10/C	<b>Nut</b> , stiff, 2 BA ... ..				2	—	C	
		<b>Washer</b> ... ..				2	—	C	
	22Q1436	<b>Fairlead</b> , at former "C" inboard, starboard				1	BSS668	C	
	4Q1744	<b>Fairlead</b> , at former "E" outboard, starboard				1	BSS668	C	
	20Q1436	<b>Fairlead</b> , floating, for oxygen pipes, at flight-engineers panel, starboard				1	BSS668	C	
	14Q1744	<b>Fairlead</b> , floating, for emergency air pipes, at flight-engineers panel, starboard				1	BSS668	C	
	15Q1744	<b>Fairlead</b> , floating, for oil pressure pipes, at flight-engineers panel, starboard				1	BSS668	C	
	10Q1744	<b>Fairlead</b> , at channel, at flight-engineers panel, starboard				1	BSS668	C	
	11Q1744	<b>Fairlead</b> , at channel, at flight-engineers panel, starboard				1	BSS668	C	
		Attachments for 11Q1744							
28D/1011022 28D/12631	A25/18C A25/23C 23Q1744	<b>Bolt</b> , hex. head, 2 BA ... ..				1	—	C	
		<b>Bolt</b> , hex. head, 2 BA ... ..				1	—	C	
		<b>Piece</b> , distance, $\frac{5}{16}$ " o/d x 17G x 1" long				2	L54	C	
	17Q1744	<b>Fairlead</b> , at floor level, between formers "B" and "C", starboard				1	BSS668	C	
	18Q1744	<b>Fairlead</b> , at floor level, between formers "B" and "C", starboard				1	BSS668	C	
		Attachments for 18Q1744							
28D/7002428	A25/6C	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
	16Q1744	<b>Fairlead</b> , at floor level, between formers 5 and 6, starboard				1	BSS668	C	
	19Q1744	<b>Fairlead</b> , at floor level, between formers 5 and 6, starboard				1	BSS668	C	
		Attachments for 19Q1744							
28D/7002428	A25/6C	<b>Bolt</b> , hex. head, 2 BA ... ..				2	—	C	
	12Q1744	<b>Fairlead</b> , between formers "B" and "C", at stringer 16, starboard				1	BSS668	C	
		Attachments for 12Q1744							
28D/1011019	A25/8C	<b>Bolt</b> , hex. head, 2 BA ... ..				3	—	C	

**SERVICES**  
**PIPING SERVICES IN CENTRE SECTION**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>PIPING SERVICES, FRONT CENTRE SECTION (1Q1744) (Cont'd)</b>									
28D/1011019	13Q1744	Fairlead, between formers " B " and " C ", at stringer 16, starboard				1	BSS668	C	
	A25/8C	Attachments for 13Q1744 Bolt, hex. head, 2 BA ... ..				3	—	C	
	7Q1744	Fairlead, at formers " A ", " B " and " C ", and 1, 2, 3, 4 and 5, inboard, starboard				1	BSS668	C	
28D/9419397 28M/11957 28W/9419402	A25/12C	Attachments for 7Q1744 Bolt, hex. head, 2 BA ... ..				1	—	C	
	AGS2008/C1	Nut, stiff, 2 BA ... ..				1	—	C	
	21Q1744	Packer, 20G x 0.7" x 0.375" ... ..				1	BSS668	C	
	SP13/C	Washer, 2 BA ... ..				1	—	C	
<b>PIPING SERVICES, UNDER FLOOR, PORT (Q1739)</b>									
Spares for :—									
28D/1010030 28M/10288 28W/9419402	5Q1739	Fairlead, under floor, at formers 2 and 5				1	BSS668	C	
	8Q1739	Fairlead, under floor, at formers 1 and 4				1	BSS668	C	
	9Q1739	Fairlead, under floor, at former 3 ...				1	BSS668	C	
	3Q1739	Fairlead, under floor, at former " B " ...				1	BSS668	C	
	7Q1739	Fairlead, under floor, at former " D " ...				1	BSS668	C	
	Attachments for :—								
28D/1010030 28M/10288 28W/9419402	A25/7C	Bolt, hex. head, 2 BA ... ..				2	—	C	
	AGS2001/C1	Nut, stiff, 2 BA ... ..				2	—	C	
	8Q1744	Packer, 1.7" x 0.5" x 0.375" ... ..				1	BSS668	C	
	SP13/C	Washer ... ..				2	—	C	
<b>PIPING SERVICES, UNDER FLOOR, STARBOARD (Q1738)</b>									
Spares for :—									
28D/12533 28M/10288 28W/9419454	7Q1738	Fairlead, under floor, at former " D " ...				1	BSS668	C	
	9Q1738	Fairlead, under floor, at former " C " ...				1	BSS668	C	
	10Q1738	Fairlead, under floor, at formers 3 and 4				1	BSS668	C	
	6Q1738	Fairlead, under floor, at former 1 ...				1	BSS668	C	
	8Q1738	Fairlead, under floor, at formers 2 and 5				1	BSS668	C	
	4Q1738	Fairlead, under floor, at former 4 ...				1	BSS668	C	
	Attachments for :—								
28D/12533 28M/10288 28W/9419454	A25/5C	Bolt, hex. head, 2 BA ... ..				2	—	C	
	AGS2001/C1	Nut, stiff, 2 BA ... ..				2	—	C	
	SP10/C	Washer, 2 BA ... ..				2	—	C	
	22Q1744	Tube, distance, at former " D ", inboard, starboard, $\frac{5}{16}$ " o/d x 17G x 0.9" long				1	L54	C	

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	

SHACKLETON Mk. 2

SERVICES  
PNEUMATIC

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>PNEUMATIC SERVICES (Q1694)</b>									
Consisting of:—									
<b>BRAKE SYSTEM ON SHOCK ABSORBER STRUT, PORT &amp; STARBOARD (1 &amp; 2Q1703)</b>									
Consisting of:—									
28D/11564	7Q1504	Binding (Systoflex) 3" wide	...	...	...	QR	—		
28D/12536	AS1246/C	Bolt, rd. hd, 2 BA	...	...	...	16	—	C	
	A25/13C	Bolt, hex. hd, 2 BA x 1.75" long	...	...	...	4	—	C	
4536	6Q1703	Clip, pipe	...	...	...	4	DTD610		84/1
	7Q1703	Clip, pipe	...	...	...	2	—	C	84/2
	8Q1703	Clip, pipe	...	...	...	2	DTD610		84/3
1700	8Q1504	Clip, pipe	...	...	...	1	S3	C	84/4
2721	2SS3859	Clip	...	...	...	6	—	C	84/5
13107	3SS3264	Clip	...	...	...	8	DTD610	C	
13093	8SS3264	Clip	...	...	...	2	—	C	
	6SS3863	Clip	...	...	...	2	—		
28F/10431	AGS1147/B	Conpling, 1/4" o/d	...	...	...	4	—	C	
28F/11471	AGS1167/B	Elbow, 1/4" o/d	...	...	...	2	—	C	
1576	2Q1155	Hose, brake, flexible top on U/C legs	...	...	...	4	—	C	84/6
	DUNLOP								
7900	AHO/15959	Hose, brake, flexible bottom on U/C legs	...	...	...	4	—	B	84/7
28F/9501	AGS1142/B	Nipple, 1/4" o/d	...	...	...	12	—	C	
28F/9584	AGS1148/B	Nut, stiff, thin 1/4" BSP...	...	...	...	2	—	C	
28M/10288	AGS2001/C/1	Nut, hex. hd, 2 BA	...	...	...	20	—	C	
	5Q1703	Packing, 1/8" x 5/8" x 2 1/2" long	...	...	...	2	Neophrene		84/8
	213Q1694	PIPE, COUPLING TO COUPLING, 22G x 1/4" o/d x 2' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/9
	214Q1694	PIPE, COUPLING TO COUPLING, 22G x 1/4" o/d x 2' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/10
	215Q1694	PIPE, COUPLING TO COUPLING, 22G x 1/4" o/d x 4' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/11
	216Q1694	PIPE, COUPLING TO BRAKE SYSTEM 22G x 1/4" o/d x 4' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/12
	282Q1694	PIPE, FLEXIBLE, TO RAPID EX-HAUST VALVE, 22G x 1/4" o/d x 2' 0" LONG, BEHIND INBOARD NACELLE, PORT AND STARBOARD, GROUP				2	DTD323A		84/13
	283Q1694	PIPE, FLEXIBLE, TO RAPID EX-HAUST VALVE, 22G x 1/4" o/d x 2' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/14

**SERVICES**  
**PNEUMATIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>BRAKE SYSTEM ON SHOCK ABSORBER STRUT, PORT AND STARBOARD (1 &amp; 2Q1703) (Con'td)</b>							
	217Q1694	PIPE, RAPID EXHAUST VALVE TO FLEXIBLE HOSE, 22G x $\frac{1}{4}$ " o/d x 4' 0" LONG CENTRE PORTION, PORT, GROUP				1	DTD323A		84/15
	218Q1694	PIPE, RAPID EXHAUST VALVE TO FLEXIBLE HOSE, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG PORT, GROUP				1	DTD323A		84/16
27VA/3900 28Q/12252	Dunlop ACM16126 SP13/C	Valve, Exhaust rapid ... ..				2	—	A	84/17
		Washer, 2 BA ... ..				20	—	C	
37G/3508	A15192	<b>COMPRESSOR, GROUP</b> ... ..				2	—	A	84/18
	1S2490	(See Gear Box and Accessories Power Installation) Cock, "on-off", torpedo muff control (Mod. 915)				1	—		
6A/2689	—	Gauge, pressure ... ..				2	—	A	84/19
27VA/3907	Dunlop AC11108	Jack, camera ... ..				2	—	A	85/20
		<b>MOUNTING, OIL AND WATER TRAP ON INBOARD ENGINE SUBFRAME AND BULKHEAD, PORT AND STARBOARD (20Q2457)</b>							
		Spares for :—							
13203	3Q780	Block, for straps ... ..				2	Hardwood	C	85/21
26EA/32149 1624	2Q1111 12Q2457	Block, for mounting angles ... ..				1	BSS668	C	85/22
		Clip, half, mounting angles to subframe bottom member				1	S3 & T35	C	85/23
13327	10SS1862	Clip, half mounting angles to subframe bottom member				1	S3 & T35	C	85/24
13267	5Q780	Strap, oil and water trap ... ..				4	S3 & T35	C	85/25
27VB/2960	OWT/46/8	<b>TRAP, OIL AND WATER</b> ... ..				1	—	A	85/26
		<b>PANEL, PNEUMATIC, PORT (Q1732)</b>							
		Consisting of :—							
	2Q1740	Block ... ..				1	BSS668		84/27
28D/12512	A25/1C	Bolt, hex. hd. 2 BA x 0.55" long ... ..				22	—	C	
28D/12516	A25/11C	Bolt, hex. hd. 2 BA x 1.55" long ... ..				2	—	C	
28D/12535	A25/12C	Bolt, hex. hd. 2 BA x 1.65" long ... ..				2	—	C	
28D/12536	A25/13C	Bolt, hex. hd. 2 BA x 1.75" long ... ..				2	—	C	
28D/8341	AS1248/1C	Bolt, mush. hd. 2 BA x 0.5" long ... ..				4	—	C	
27VA/2948 13155	Dunlop ACO3147 6SS1862	Bottle, air ... ..				1	—	A	84/28
	108SS4095	Clip, half ... ..				1	—	C	84/29
	4SS1862	Clip, half ... ..				1	—		84/30
26FP/2571	67SS4095	Clip, half ... ..				1	—	C	84/31
	Dunlop ACO1268 8Q1732	Filter, air ... ..				1	—	A	84/33
		Mounting, for air filter ... ..				1	L72		84/34

SHACKLETON Mk. 2

SERVICES  
PNEUMATIC

Ref. No.	Part No.	Description	1 2 3 4				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
									M.R.	
<b>PANEL, PNEUMATIC, PORT (Q1732)</b>										
<i>(Cont'd)</i>										
4425	1Q1719	<b>PANEL, FOR AIR BOTTLE</b> ... ..					1	—	C	84/35
Spares for:—										
13081	1SS1945	Screw, adjusting ... ..					2	—	C	
4500	5Q1719	Strap ... ..					2	L72	C	84/36
4519	6Q1719	Strap ... ..					2	L72	C	84/37
	7Q1732	Plate, base ... ..					2	L72		84/38
1837	65SS3557	Tee, piece ... ..					2	—	C	84/39
37A/3259	Dunlop ACM16268	Valve, pressure maintaining, 250 lb. ...					1	—	A	84/40
27G/2105	Dunlop ACO1292	Valve, pressure reducing 1000 lb. to 350 lb.					1	—	A	84/41
27G/2132	Dunlop AHO19130	Valve, pressure reducing 350 lb. to 7 lb. ...					1	—	A	84/42
27Q/1299	Dowty D6709Y	Valve, relief ... ..					1	—	A	84/43
<b>PANEL FOR AIR BOTTLE, GROUP (Q1873)</b>										
27VA/2948	ACO3147 2Q1873	Bottle, air ... ..					1	—		84/25
<b>PANEL MOUNTING FOR AIR BOTTLE</b>										
Spares for:—										
13081	1SS1945	Screw, adjusting ... ..					2	—	C	
4500	5Q1719	Strap ... ..					2	—	C	
4519	6Q1719	Strap ... ..					2	—	C	
<b>PANEL, PNEUMATIC STARBOARD (Q1740)</b>										
Consisting of:—										
28D/8341	2Q1740	Block ... ..					1	BSS668		84/27
28D/12512	AS1248	Bolt, mush. hd, 2 BA x 0.5" long ... ..					4	—	C	
28D/12536	A25/1C	Bolt, hex. hd, 2 BA x 0.55" long ... ..					22	—	C	
	A25/11C	Bolt, hex. hd, 2 BA x 1.55" long ... ..					2	—	C	
27VA/2948	Dunlop ACO3147	Bottle, air ... ..					2	—	A	84/28
1702	8Q1411	Clip, air filter ... ..					1	L72	C	84/44
27G/2091	Dunlop ACO1268	Filter, air ... ..					1	—	A	84/33
28F/12078	AGS.1159/C	Nipple, plug ... ..					1	—	C	
28M/10288	AGS.2001/C/1 8Q1732	Nut, stiff, 2 BA ... ..					2	—	C	
<b>MOUNTING, FOR AIR FILTER, GROUP</b>										
4499	1Q1736	<b>PANEL, FOR AIR BOTTLE, GROUP</b>					1	—	C	84/45
Spares for:—										
13081	1SS1945	Screw, adjusting ... ..					4	—	C	
4500	5Q1719	Strap ... ..					2	L72	C	84/36
4519	6Q1719	Strap ... ..					2	L72	C	84/37
28P/12587	SP9/C4 5Q1732	Pin ... ..					1	—	C	
	6Q1732	Plate, base ... ..					2	L72		84/46
28F/5722	AGS.804/B	Plate, base ... ..					2	L72		84/47
1837	65SS3557	Sleeve ... ..					1	—	C	
	Dunlop	Tee, piece ... ..					2	—	C	84/48
27G/2015	ACO1292	Valve, pressure reducing 1000 lb. to 350 lb.					1	—	A	84/49
27G/2022	Dunlop AHO.5712	Valve, pressure reducing 300 lb. to 220 lb.					1	—	A	84/50

**SERVICES  
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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St. M.R.	Plate and Illust'n No.
		1	2	3	4				
	270Q1441	PIPE, ADAPTOR BULKHEAD TO TEE 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, CENTRE PORTION, STARBOARD, GROUP				1	DTD323A		84/51
	4Q1694	PIPE, AIR BOTTLE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 2' 6" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323		84/52
	81Q1694	PIPE, AIR BOTTLE TO TEE PIECE, 22G x $\frac{1}{4}$ " o/d x 5" LONG, NOSE PORTION, PORT, GROUP				1	DTD323		84/53
	92Q1694	PIPE, AIR FILTER TO BOTTLE, 22G x $\frac{1}{4}$ " o/d x 9" LONG, NOSE PORTION, PORT, GROUP (Pre-Mod. 392)				2	DTD323		84/54
	93Q1694	PIPE, AIR FILTER TO TEE, 22G x $\frac{1}{4}$ " o/d x 9" LONG, NOSE PORTION, PORT, GROUP (Pre-Mod. 392)				2	L56		84/55
	66Q1694	PIPE, CHARGING POINT TO TEE, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, BEHIND INBOARD NACELLE, PORT AND STARBOARD, GROUP				1	DTD323		84/56
	245Q1694	PIPE, CHARGING POINT TO UNION 22G x $\frac{1}{4}$ " o/d x 24" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/57
	65Q1694	PIPE, COMPRESSOR TO RELIEF VALVE, 22G x $\frac{1}{4}$ " o/d x 12" BEHIND INBOARD NACELLE				2	DTD323		84/58
	127Q1694	PIPE, COMPRESSOR TO RELIEF VALVE, 22G x $\frac{1}{4}$ " o/d, BEHIND INBOARD, NACELLE, STARBOARD, GROUP				1	DTD323		84/59
6026	8Q1441	PIPE, CONNECTION TO WING ROOT PANEL, 22G x $\frac{1}{4}$ " o/d x 8' 0" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323	C	84/60
	264Q1441	PIPE, CONNECTION TO WING ROOT PANEL, 22G x $\frac{1}{4}$ " o/d x 6' 2" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323A		84/61
	265Q1441	PIPE, CONNECTION TO WING ROOT PANEL 22G x $\frac{1}{4}$ " o/d x 6' 6" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323A		84/62
	286Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 674)				1	DTD323A		85/214
	288Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 674)				1	DTD323A		85/215

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PNEUMATIC

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6038	27Q1441	PIPE, CONNECTION TO WING ROOT PANEL 22G x $\frac{1}{4}$ " o/d x 8' 0" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323A	C	84/63
	275Q1441	PIPE, CONNECTION TO WING ROOT PANEL, 22G x $\frac{1}{4}$ " o/d 6' 4" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323A		84/64
	273Q1441	PIPE, CONNECTION TO TEE, 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, ALONG FRONT SPAR, STARBOARD, GROUP				1	DTD323A		84/65
	281Q1441	PIPE, CONNECTION TO TEE, 22G x $\frac{1}{4}$ " o/d x 5' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323		84/66
	364Q1441	PIPE, CONNECTION TO TEE, 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, BEHIND OUTBOARD NACELLE, STARBOARD, GROUP				1	DTD323		84/67
	271Q1441	PIPE, COUPLING TO COUPLING, 20G x $\frac{1}{4}$ " o/d x 2' 6" LONG, CENTRE PORTION, STARBOARD, GROUP				1	DTD323A		84/68
	272Q1441	PIPE, COUPLING TO COUPLING, 20G x $\frac{1}{4}$ " o/d x 1' 0" LONG, CENTRE PORTION, STARBOARD, GROUP				1	DTD323A		84/69
6035	21Q1441	PIPE, COUPLING TO COUPLING, 20G x $\frac{1}{4}$ " o/d x 8' 6" LONG, CENTRE PORTION, UNDER FLOOR, PORT, GROUP				1	DTD323A	C	84/70
	285Q1441	PIPE, COUPLING TO COUPLING, 20G x $\frac{1}{4}$ " o/d x 2' 8" LONG, CENTRE PORTION, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/71
	210Q1694	PIPE, COUPLING TO COUPLING, 20G x $\frac{1}{4}$ " o/d x 9' 11" LONG, CENTRE PORTION, UNDER FLOOR, STARBOARD, GROUP				1	DTD323A		85/72
	211Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 9' 11" LONG, CENTRE PORTION, UNDER FLOOR, STARBOARD, GROUP				1	DTD323A		84/73
	291Q1441	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 8' 6", LONG, CENTRE PORTION UNDER FLOOR, PORT, GROUP				1	DTD323A		84/74
7196	292Q1441	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 9' 11" LONG, CENTRE PORTION UNDER FLOOR, PORT, GROUP				1	DTD323A	C	84/75
	293Q1441	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 8' 6" LONG, CENTRE PORTION, UNDER FLOOR, PORT, GROUP				1	DTD323A		84/76

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6081	110Q1441	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 9' 10" LONG, CENTRE PORTION, UNDER FLOOR, STARBOARD, GROUP				1	DTD323A	C	85/77
6084	115Q1441	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 2' 8" LONG, CENTRE PORTION, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A	C	84/78
	5Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 3' 9" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/79
	6Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 2' 2" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/80
	200Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/81
	26Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{3}{16}$ " o/d x 5' 5" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/82
	27Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{3}{16}$ " o/d x 5' 0" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/83
	219Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 8' 4" LONG, REAR CENTRE SECTION, GROUP				1	DTD323A		85/84
	221Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 12' 4" LONG, REAR CENTRE PORTION, GROUP				1	DTD323A		85/85
	277Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 7' 9" LONG, CENTRE PORTION, UNDER FLOOR, PORT, GROUP				1	DTD323A		85/86
	287Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, REAR PORTION, GROUP (Mod. 674)				1	DTD323A		85/87
	285Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, REAR PORTION, GROUP (Mod. 674)				1	DTD323A		85/88
	232Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 7' 0" LONG, REAR PORTION, GROUP				1	DTD323A		85/89
	253Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR CENTRE PORTION, GROUP				1	DTD323A		85/90

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	259Q1694	PIPE, COUPLING TO ELECTRIC PNEUMATIC VALVE, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/91
	233Q1694	PIPE, COUPLING TO TEE, 22G x $\frac{1}{4}$ " o/d x 5' 5" LONG, REAR PORTION, GROUP				1	DTD323A		85/92
	260Q1694	PIPE, ELBOW TO ELECTRIC PNEUMATIC VALVES, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/93
	261Q1694	PIPE, ELBOW UNION TO CAMERA JACK, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/94
	262Q1694	PIPE, ELBOW UNION TO CAMERA JACK, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/95
	264Q1694	PIPE, ELBOW TO ELECTRIC PNEUMATIC VALVE, 22G x $\frac{1}{4}$ " o/d REAR PORTION, GROUP				1	DTD323A		85/96
	257Q1694	PIPE, ELECTRIC PNEUMATIC VALVE TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/97
	140Q1694	PIPE, ELECTRIC PNEUMATIC VALVE TO CAMERA JACK, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	L56		85/98
	136Q1694	PIPE, FILTER TO TEE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/99
1576	2Q1155	PIPE, FLEXIBLE TO RAPID EXHAUST VALVE, INBOARD NACELLE, PORT, GROUP				4	—	B	84/5
	208Q1694	PIPE, FOOT BRAKE VALVE TO TEST TEE 22G x $\frac{1}{4}$ " o/d x 1' 9" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/100
6025	7Q1441	PIPE, GAUGE CONNECTION TO REGULATOR VALVE, 22G x $\frac{1}{4}$ " o/d x 2' 0" LONG, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/101
	372Q1441	PIPE, GAUGE CONNECTION TO REGULATOR VALVE, 22G x $\frac{1}{4}$ " o/d x 12" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/102
	234Q1694	PIPE, HYDRAULIC RESERVOIR TO TEE, 22G x $\frac{1}{4}$ " o/d, CENTRE PORTION, OUTER WING, STARBOARD, GROUP				1	DTD323A		84/103

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	314Q1441	PIPE, NON-RETURN VALVE TO REDUCING VALVE, 22G x $\frac{1}{4}$ " o/d x 6' 6" LONG, BEHIND OUTBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/104
	237Q1694	PIPE, PARKING VALVE TO TEE, 22G x $\frac{3}{16}$ " o/d, NOSE PORTION, PORT, GROUP				1	DTD323A		8/4105
	220Q1694	PIPE, PIECE, 4-WAY TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 8' 0" LONG, ALONG FRONT SPAR INSIDE FUSELAGE, GROUP				1	DTD323A		85/106
	335Q1441	PIPE, PIECE, 4-WAY TO CONNECTION 22G x $\frac{1}{4}$ " o/d x 1' 9" LONG, FRONT CENTRE PORTION ABOVE AND BELOW FLOOR, PORT, GROUP				1	DTD323A		85/107
	338Q1441	PIPE, PIECE, 4-WAY TO WING ROOT, 22G x $\frac{1}{4}$ " o/d x 1' 9" LONG, FRONT CENTRE PORTION ABOVE AND BELOW FLOOR, GROUP				1	DTD323A		85/108
	225Q1694	PIPE, PRESSURE MOUNTING VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 1' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/109
	284Q1694	PIPE, REDUCING UNION TO TEE, 22G x $\frac{1}{4}$ " o/d x 12" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/110
	318Q1441	PIPE, REDUCING VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 3' 6" LONG, BEHIND OUTBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/111
	190Q1694	PIPE, REDUCING VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 9" LONG, NOSE PORTION, PORT, GROUP				2	DTD323A		84/112
	297Q1694	PIPE, TEE PIECE TO PIPE COUPLING, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, PORT, GROUP (Mod. 987)				1	DTD323A		84/113
	298Q1694	PIPE, COUPLING TO COUPLING, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		
	299Q1694	PIPE, TEE PIECE TO TEE PIECE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, PORT, GROUP				1	DTD323A		
	300Q1694	PIPE, TEE PIECE TO TEE PIECE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, PORT, GROUP				1	DTD323A		
	302Q1694	PIPE, COUPLING TO UNIVALVE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP (Mod. 987)				1	DTD323A		

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
6025	230Q1694	PIPE, REDUCING VALVE TO TEST TEE, 22G x $\frac{1}{4}$ " o/d x 18" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/114
	7Q1441	PIPE, REGULATOR VALVE TO CONNECTION 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A	C	84/115
	372Q1441	PIPE REGULATOR VALVE TO CONNECTION 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/116
	67Q1694	PIPE, RELIEF VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/117
	196Q1694	PIPE, SHUTTLE VALVE TO COUPLING, 22G x o/d x 4' 9" LONG, NOSE PORTION, GROUP				1	DTD323A		84/118
	197Q1694	PIPE, SHUTTLE VALVE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 4' 0" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/119
	195Q1694	PIPE, SHUTTLE VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 2' 0" LONG, NOSE PORTION, GROUP				1	DTD323A		84/120
	198Q1694	PIPE, SHUTTLE VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 12" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/121
	207Q1694	PIPE, SHUTTLE VALVE TO TEE, 22G x $\frac{1}{4}$ " o/d x 1' 6" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/122
	192Q1694	PIPE, SHUTTLE VALVE TO TEST TEE, 22G x $\frac{1}{4}$ " o/d x 2' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/123
	114Q1694	PIPE, TEE TO AIR BOTTLE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, PORT, GROUP				1	DTD323A		84/124
	284Q1441	PIPE, TEE TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d x 4' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/125
	286Q1441	PIPE, TEE TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, CENTRE PORTION OUTER WING, STARBOARD, GROUP				1	DTD323A		84/126
	294Q1441	PIPE, TEE TO BULKHEAD ADAPTOR, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/127

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	274Q1441	PIPE, TEE TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 12" LONG, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/128
	287Q1441	PIPE, TEE TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, BEHIND INBOARD NACELLE, PORT, GROUP				1	DTD323A		84/129
	3Q1694	PIPE, TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 3' 2" LONG, NOSE SECTION, PORT, GROUP				1	DTD323		84/130
	96Q1694	PIPE, TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 2' 6" LONG, NOSE PORTION, STARBOARD, GROUP				1	L56		84/131
	89Q1694	PIPE, TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 18" LONG, NOSE PORTION, PORT, GROUP				1	DTD323		84/132
	199Q1694	PIPE, TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 3' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/133
	222Q1694	PIPE, TEE TO ELECTRIC PNEUMATIC VALVE, 22G x $\frac{1}{4}$ " o/d x 1' 2" LONG, REAR PORTION, GROUP				1	DTD323A		85/134
	279Q1694	PIPE, TEE TO ELECTRIC PNEUMATIC VALVE, 22G x $\frac{1}{4}$ " o/d x 1' 9" LONG, REAR PORTION, GROUP				1	DTD323A		85/135
	201Q1694	PIPE, TEE TO FOOTBRAKE VALVE, 22G x $\frac{1}{4}$ " o/d x 3' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/136
	202Q1694	PIPE, TEE TO FOOTBRAKE VALVE, 22G x $\frac{1}{4}$ " o/d x 4' 0" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/137
	203Q1694	PIPE, TEE TO FOOTBRAKE VALVE, 22G x $\frac{1}{4}$ " o/d x 4' 0" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/138
	205Q1694	PIPE, TEE TO FOOTBRAKE VALVE, 22G x $\frac{1}{4}$ " o/d x 1' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/139
7916	164Q1694	PIPE, TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, GROUP (Mod. 392)				1	DTD323A	C	84/215
5512	165Q1694	PIPE, TEE TO FILTER, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, GROUP (Mod. 392)				1	DTD323A	C	84/207

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	212Q1694	PIPE, TEE TO NON-RETURN VALVE, 22G x $\frac{1}{4}$ " o/d x 3' 0" LONG, CENTRE PORTION, STARBOARD, GROUP				1	DTD323A		84/140
	236Q1694	PIPE, TEE TO PARKING VALVE, 22G x $\frac{3}{16}$ " o/d, NOSE PORTION, GROUP				1	DTD323A		84/141
	224Q1694	PIPE, TEE TO PRESSURE MAINTAINING VALVE, 22G x $\frac{3}{16}$ " o/d x 18" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/142
	94Q1694	PIPE, TEE TO REDUCING VALVE, 22G x $\frac{1}{4}$ " o/d x 9" LONG, NOSE PORTION, PORT, GROUP (Pre-Mod. 392)				1	L56		84/143
	226Q1694	PIPE, TEE TO REDUCING VALVE, 22G x $\frac{3}{16}$ " o/d x 1' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/144
	254Q1694	PIPE, TEE TO PRESSURE REDUCING VALVE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/145
	255Q1694	PIPE, TEE TO PRESSURE REDUCING VALVE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/146
	137Q1694	PIPE, TEE TO REDUCING VALVE, 22G x $\frac{1}{4}$ " o/d, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/147
14247	126Q1694	PIPE, TEE TO RELIEF VALVE, 22G x $\frac{1}{4}$ " o/d, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A	C	84/148
	229Q1694	PIPE, TEE TO RELIEF VALVE, 22G x $\frac{1}{4}$ " o/d x 1' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/149
	115Q1694	PIPE, TEE TO UNION, 22G x $\frac{3}{16}$ " o/d x 6' 9" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/150
	244Q1694	PIPE, TEE TO UNION, 22G x $\frac{1}{4}$ " o/d x 5' 3" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/151
	209Q1694	PIPE, TEST COCK TO TEE, 22G x $\frac{1}{4}$ " o/d x 5' 0" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/152
	223Q1694	PIPE, TEST COCK TO TEE, 22G x $\frac{1}{4}$ " o/d x 1' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/153

**SERVICES**  
**PNEUMATIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	206Q1694	PIPE, TEST TEE TO COUPLING, 22G x $\frac{1}{4}$ " o/d x 2' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/154
	235Q1694	PIPE, TEST TEE TO TEE, 22G x $\frac{1}{4}$ " o/d x 11" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/155
	193Q1694	PIPE, TEST TEE TO FOOTBRAKE, 22G x $\frac{1}{4}$ " o/d x 12" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/156
	194Q1694	PIPE, TEST TEE TO FOOTBRAKE VALVE 22G x $\frac{1}{4}$ " o/d x 12" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/157
	204Q1694	PIPE, TEST TEE TO FOOTBRAKE VALVE, 22G x $\frac{1}{4}$ " o/d x 2' 6" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/158
	256Q1694	PIPE, TEST TEE TO TEE, 22G x $\frac{1}{4}$ " o/d NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/159
	228Q1694	PIPE, TEST TEE TO TEE, 22G x $\frac{1}{4}$ " o/d NOSE PORTION, PORT, GROUP				1	DTD323A		84/160
	263Q1694	PIPE, UNION TO CAMERA JACK, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		85/161
	249Q1694	PIPE, UNION TO FLEXIBLE HOSE, 22G x $\frac{1}{4}$ " o/d, BEHIND INBOARD NACELLE, STARBOARD, GROUP				1	DTD323A		84/162
	117Q1694	PIPE, UNION TO PRESSURE GAUGE, 22G x $\frac{3}{16}$ " o/d x 1' 8" LONG, NOSE PORTION, PORT, GROUP				1	L56		84/163
	118Q1694	PIPE, UNION TO PRESSURE GAUGE, 22G x $\frac{3}{16}$ " o/d x 1' 11" LONG, NOSE PORTION, STARBOARD, GROUP				1	DTD323A		84/164
	264Q1694	PIPE, UNION, TO TEE, 22G x $\frac{1}{4}$ " o/d x 2' 9" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/165
	238Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 6' 5" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/166
	239Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 6' 4" LONG, NOSE PORTION, PORT, GROUP				1	DTD323A		84/167

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**SERVICES**  
**PNEUMATIC**

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	240Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 4' 7", IN NOSE, PORT, GROUP				1	DTD323A		84/168
	241Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 4' 7", IN NOSE, STARBOARD, GROUP				1	DTD323A		84/169
	242Q1694	PIPE, UNION TO UNION, 22G x $\frac{3}{16}$ " o/d x 4' 7", IN NOSE, PORT, GROUP				1	DTD323A		84/170
	243Q1694	PIPE, UNION TO UNION, 22G x $\frac{3}{16}$ " o/d x 4' 0", IN NOSE, STARBOARD, GROUP				1	DTD323A		84/171
	119Q1694	PIPE, UNION TO UNION, 22G x $\frac{3}{16}$ " o/d x 2' 4", IN NOSE, PORT, GROUP				1	DTD323A		84/172
	247Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 4' 0", IN NOSE, STARBOARD, GROUP				1	DTD323A		84/173
	248Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d x 6' 0", IN NOSE, STARBOARD, GROUP				1	DTD323A		84/174
	250Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A		84/175
	251Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A		84/176
	252Q1694	PIPE, UNION TO UNION, 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A		84/177
	281Q1694	PIPE, VENT ON HYDRAULIC RESERVOIR, 22G x $\frac{1}{4}$ " o/d, STARBOARD, GROUP				1	DTD323A		84/178
6039	28Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 8' 0", PORT, GROUP (Pre-Mod. 643)				1	L56	C	84/179
	277Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 8' 0", PORT, GROUP (Mod. 643)				1	DTD323A	C	84/179
6040	29Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 6' 0", PORT, GROUP (Pre-Mod. 643)				1	L56	C	84/180
	278Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 6' 0", PORT, GROUP (Mod. 643)				1	DTD323A		84/180
	279Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 6' 0", PORT, GROUP (Mod. 643)				1	DTD323A		84/180
	280Q1441	PIPE, WING ROOT PANEL TO CONNECTION, 22G x $\frac{1}{4}$ " o/d x 5' 0", PORT, GROUP				1	DTD323A		84/182

**SERVICES**  
**PNEUMATIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	337Q1441	PIPE, WING ROOT PANEL TO CONNECTION 22G x $\frac{1}{4}$ " o/d x 4' 9" LONG, FRONT CENTRE PORTION, PORT, GROUP				1	DTD323A		85/153
	339Q1441	PIPE, WING ROOT PANEL TO 4-WAY PIECE, 22G x $\frac{1}{4}$ " o/d ALONG FRONT SPAR INSIDE FUSELAGE, GROUP				1	DTD323A		85/184
6036	22Q1441	PIPE, WING ROOT PANEL TO TEST POINT 22G x $\frac{1}{4}$ " o/d x 6' 0" LONG, CENTRE PORTION, PORT, GROUP					DTD323A	C	85/185
	276Q1441	PIPE, WING ROOT PANEL TO TEST POINT, 22G x $\frac{1}{4}$ " o/d x 5' 0" LONG, FRONT CENTRE PORTION, STARBOARD, GROUP				1	DTD323A		85/186
6111	177Q1441	PIPE, WING ROOT PANEL TO TEST POINT, 22G x $\frac{1}{4}$ " o/d x 3' 10" LONG, FRONT CENTRE PORTION, PORT, GROUP				1	DTD323A	C	85/187
	336Q1441	PIPE, WING ROOT PANEL TO TEST POINT, 22G x $\frac{1}{4}$ " o/d x 4' 4" LONG, FRONT CENTRE PORTION, PORT, GROUP				1	DTD323A		85/188
7915	163Q1694	PIPE, AIR BOTTLES TO COUPLING, GROUP (Mod. 392)				1	DTD323A	C	84/199
7921	166Q1694	PIPE, AIR BOTTLES TO TEE, GROUP (Mod. 392)				1	DTD323A	C	84/200
	271Q1694	PIPE, BRAKE VALVE TO TEE-PIECE, PORT, GROUP (Mod. 643)				1	DTD323A		84/201
	272Q1694	PIPE, BRAKE VALVE TO TEE, PORT, GROUP (Mod. 643)				1	DTD323A		84/202
	268Q1694	PIPE, BRAKE VALVE TO TEE-PIECE, STARBOARD, GROUP (Mod. 643)				1	DTD323A		84/203
	269Q1694	PIPE, BRAKE VALVE TO TEE, STARBOARD, GROUP (Mod. 643)				1	DTD323A		84/204
	265Q1694	PIPE, ELECTRO-PNEUMATIC TO TEE, GROUP (Mod. 643)				1	DTD323A		85/205
7969	266Q1694	PIPE, ELECTRO-PNEUMATIC TO TEE, GROUP (Mod. 643)				1	DTD323A	C	85/206
5512	165Q1694	PIPE, FILTER TO TEE, GROUP ... ..				1	DTD323A	C	84/207

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SERVICES  
PNEUMATIC

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
	64Q1694	PIPE, OIL AND WATER TRAP TO TEE PIECE, BEHIND INBOARD NACELLE, PORT AND STARBOARD, GROUP				2	DTD323A		84/209
	147Q1694	PIPE, OIL AND WATER TRAP TO TEE, PORT AND STARBOARD, GROUP				2	DTD323A		84/210
	273Q1694	PIPE, TEE CONNECTION TO ATMOSPHERE, GROUP				1	DTD323A		84/211
	270Q1694	PIPE, TEE CONNECTION TO ATMOSPHERE, GROUP				1	DTD323A		84/212
7970	267Q1694	PIPE, TEE TO ATMOSPHERE, GROUP				1	DTD323A	C	84/213
6189	72Q1694	PIPE, TEE TO AVERY COUPLING, GROUP				1	DTD323A	C	84/214
7916	164Q1694	PIPE, TEE TO COUPLING, GROUP ...				1	DTD323A	C	84/215
	290Q1694	PIPE, TEE PIECE TO ELBOW CONNECTION, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	291Q1694	PIPE, ELBOW TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	292Q1694	PIPE, COUPLING TO "ON-OFF" COCK, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	293Q1694	PIPE, "ON-OFF" COCK TO ELBOW CONNECTION, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	294Q1694	PIPE, ELBOW TO COUPLING, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	295Q1694	PIPE, TEE PIECE TO ELBOW CONNECTION, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	296Q1694	PIPE, TEE PIECE TO CONTROL POINT, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP (Mod. 915)				1	DTD323A		
	377Q1441	PIPE, ELBOW CONNECTION TO TEE PIECE, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		
	378Q1441	PIPE, TEE PIECE TO CONTROL POINT, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		
	379Q1441	PIPE, TEE PIECE TO CONTROL POINT, 22G x $\frac{1}{4}$ " o/d, REAR PORTION, GROUP				1	DTD323A		

**SERVICES**  
**PNEUMATIC**

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
4701	Lockheed AVA312B	Pipe, flexible, 8½" long, coupling to coupling, de-icing				1	—	C	
1837	65SS3557	Piece, tee, at charging valve aft of floor beam at former 4				2	—	C	
<b>PRESSURISATION SYSTEM FOR A.S.V. EQUIPMENT IN SCANNER (Q2225)</b>									
Spares for :—									
6D/1405H	—	Bottle, air ... ..				1	—	A	
<b>PANEL, EQUIPMENT, GROUP</b>									
Spares for :—									
	1Q2223 Dunlop ACM13802 Smith's 126BG	Filter, air ... ..				1	—		
6A/ 6A/2688 6A/2772	—	Gauge, air pressure ... ..				1	—	A	
	—	Gauge ... ..				1	—	A	
	—	Label ... ..				1	—	C	
	2Q2223	MANIFOLD, GROUP ... ..				1	—		
	3Q2223	PANEL, LESS EQUIPMENT, GROUP				1	—		
	2Q2224	PIPE, FILTER TO BLOW-OFF VALVE, ¼" o/d x 22G x 3", GROUP				1	DTD323A		
	3Q2224	PIPE, CHARGING VALVE TO FILTER, ¼" o/d x 22G x 10", GROUP				1	DTD323A		
	5Q2224	PIPE, P.R.V. TO ELECTROMATIC TAP, ¼" o/d x 22G x 12", GROUP				1	DTD323A		
	4Q2224	PIPE, CHARGING VALVE TO GAUGE, ¼" o/d x 22G x 8", GROUP				1	DTD323A		
	6Q2224	PIPE, REGULATOR TO ELECTROMATIC TAP, ¼" o/d x 22G x 14", GROUP				1	DTD323A		
	7Q2224	PIPE, STUB, ¼" o/d x 22G x 4", GROUP				1	DTD323A		
	10Q2224	PIPE, REGULATOR TO MANIFOLD, ⅜" o/d x 20G x 5", GROUP				1	DTD323A		
	15Q2224	PIPE, MANIFOLD TO PRESSURE GAUGE, ⅜" o/d x 22G x 15", GROUP				1	DTD323A		
6W/20	—	Regulator ... ..				1	—	A	
	6Q2223 Dunlop ACM11312 A58	Ring, split ... ..				1	—		
27VA/ 28Y/15486	—	Tap, electromatic ... ..				1	—		
	Dunlop ACM15218	Valve, charging ... ..				1	—	B	
27VA/	—	Valve, blow-off ... ..				1	—		

SHACKLETON Mk. 2

SERVICES  
PNEUMATIC

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Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
		<b>PANEL, EQUIPMENT (Q2225) (Cont'd)</b>							
27VA/	Dunlop ACM17500					1	—		
	8Q2224					1	DTD323A		
	9Q2224					1	DTD323A		
	Dunlop DN300/C16					1	—		
	Dunlop DN300/C20					1	—		
	SP8/2					2	—		
1837	AS2424/14½					2	—		
	65SS3557					16	—	C	84/189
	47SS3557					2	—		
3775	SS3825					8	L40	C	56/32
	AF3					2	—		84/190
27VA/3246	Dunlop AC10168					2	—	A	84/191
27VA/3257	Dunlop AC10178					2	—	A	84/192
27VA/3900	Dunlop ACM16126					4	—	A	84/17
27Q/636	Dowty D2137Y					1	—	A	84/193
27VA/3905	Dunlop AC11216					1	—	A	84/194
27VA/3901	Dunlop AC1010					2	—	A	84/195
27G/2022	Dunlop AH05712					1	—	A	84/53
37G/8001	—					2	—	A	84/196
27VB/3002	B30562					2	—	A	84/197
27VA/2173	Dunlop AC01812					2	—	A	84/198
28Y/15486	A58					18	—	B	



**PAGE 963 to 964 NOT ISSUED**

PLEASE PRINT NAME AND ADDRESS

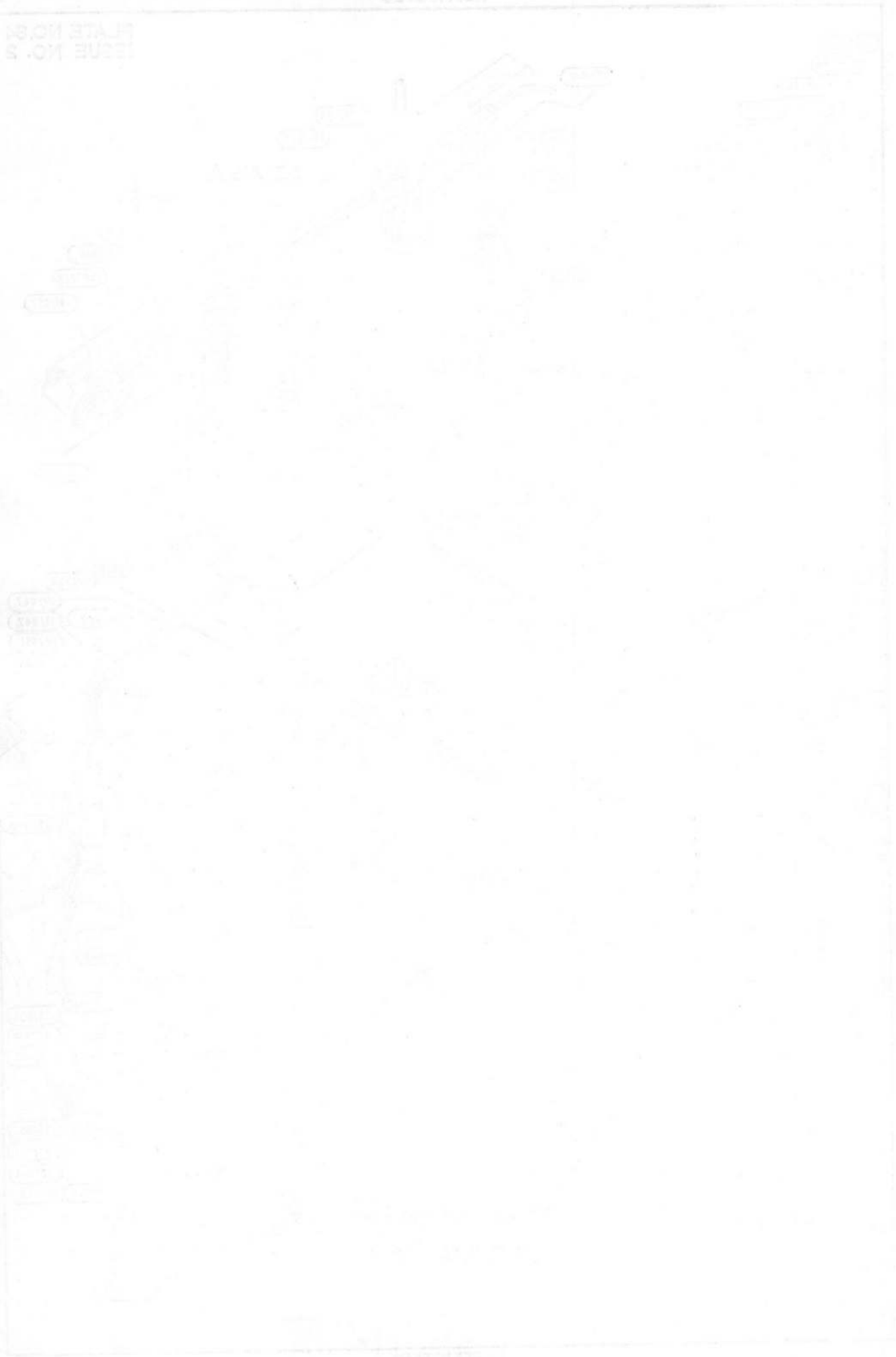
SERVICES  
PNEUMATIC

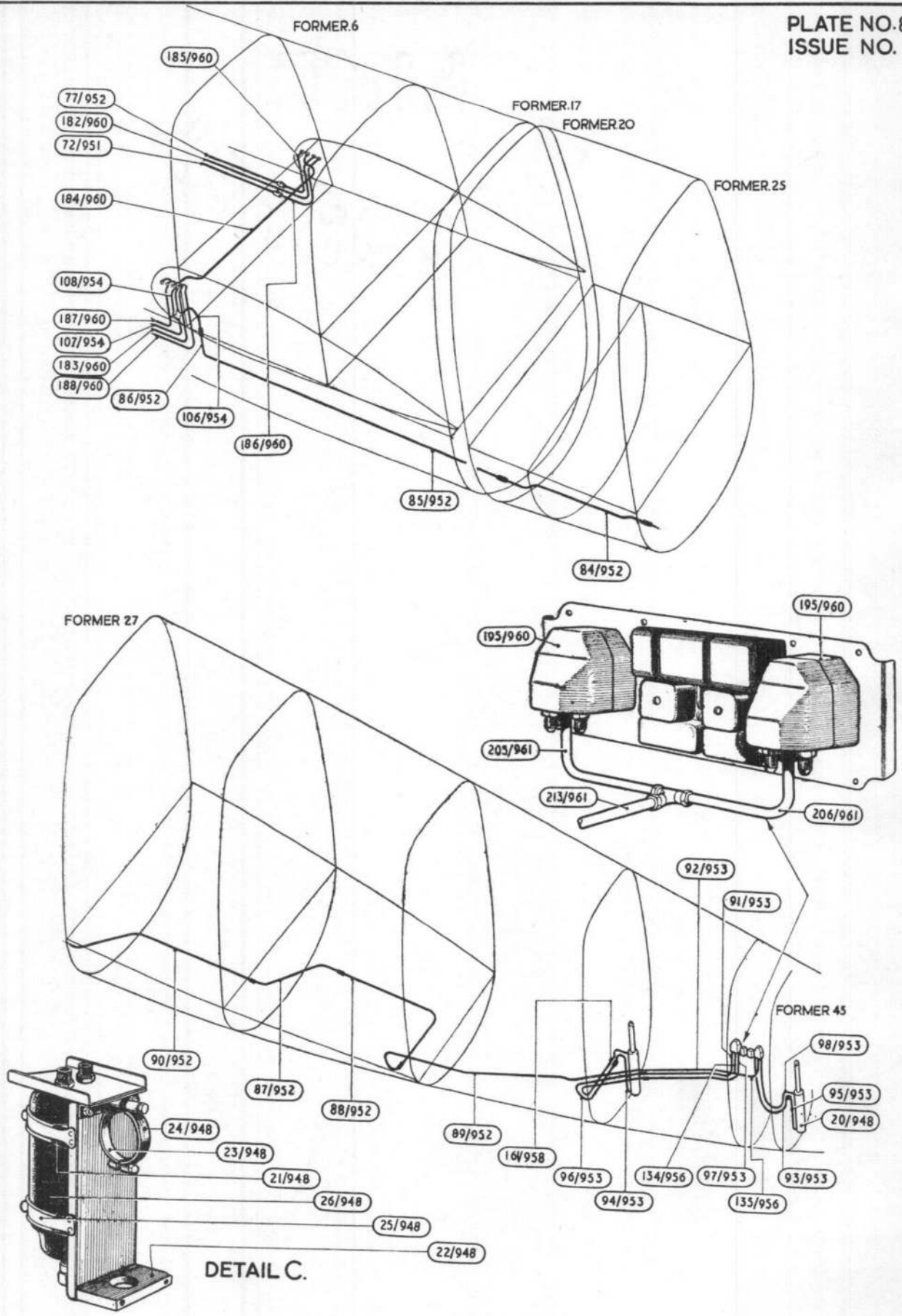
Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>SUMMARY OF STOCK ITEMS USED ON PNEUMATIC SERVICES</b>									
28F/9501	AGS1142/B	Nipple, adaptor	1/4"	...	...	18	—	C C C C C C C C C C C C C	
28F/9584	AGS1148/B	Nut, thin, 1/4" BSP	...	...	...	8	—		
28F/10020	AGS1120/1	Tee, piece, 1/4" x 1/4" x 3/16"	...	...	...	4	—		
28F/10610	AGS1118/B	Tee, piece, 1/4" x 1/4" x 1/4"	...	...	...	11	—		
28F/9722	AGS1120/6	Tee, piece, 1/4" x 3/16" x 3/16"	...	...	...	1	—		
28F/9533	AGS1145/B	Union, body, cone 1/4"	...	...	...	8	—		
28F/12444	AGS1123/B	Union, body, cone 1/4"	...	...	...	1	—		
28F/9704	AGS1102/B	Union, body, cone 1/4"	...	...	...	48	—		
28F/9715	AGS1116/B	Union, elbow, 1/4" x 1/4"	...	...	...	4	—		
28Y/10145	AGS1200	Valve, charging	...	...	...	11	—		
28F/12048	AGS1186/B	Washer, sealing composite	...	...	...	4	—		
28W/3098	AGS162/C	Washer, spring	...	...	...	16	—		





FORM NO. 4  
PLATE NO. 21





PNEUMATICS-2.



PNEUMATICS-3

SHACKLETON Mk. 2

SERVICES

VACUUM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
<b>VACUUM, SERVICES, ASSEMBLY (S1820)</b>									
Consisting of :—									
3776	7SS3562	<b>Adaptor</b> , suction relief valve ... ..				2	—	C	86/1
6896	40SS3568	<b>Adaptor</b> , stand pipe ... ..				1	—	C	
28F/8870	AGS1105/E	<b>Adaptor</b> , vacuum pump ... ..				2	—	C	
28E/8183	AGS605 Mk. 1	<b>Clip</b> , Jubilee for P.R. hose ... ..				1	—	C	
28E/10154	AGS605 Mk. 00	<b>Clip</b> , Jubilee for Breather Tube ... ..				10	—	C	
2303	—	<b>Connection</b> , Gyro pipe ... ..				1	—	A	86/2
28F/10511	AGS1146/E	<b>Coupling</b> , bulkhead ... ..				2	—	C	
6A/1590	—	<b>Gauge</b> , vacuum ... ..				1	—	A	
9/2651	—	<b>Head</b> , lower level sighting, Mk. 3 (See Bomb Gear—Armament) ... ..				1	—	A	
6A/1519	—	<b>Horizon</b> , artificial ... .. (See Equipment A/C Instrument Panels) ... ..				2	—	A	
6A/1302	—	<b>Indicator</b> , turn and slip ... .. (See Equipment—Instrument Panels) ... ..				2	—	A	
26EA/50677	6SS3742	<b>Joint</b> , pipe, $\frac{1}{8}$ " oil separator ... ..				4	—	C	
	7SS3742	<b>Joint</b> , pipe, $\frac{1}{8}$ " oil separator ... ..				2	—		
	73S2559	<b>Joint</b> , rubber, $\frac{3}{16}$ " bore ... ..				1	—		
28F/5709	AGS906/A	<b>Nipple</b> , $\frac{3}{16}$ " Vacuum Gauge ... ..				1	—	C	
28F/8278	AGS1142/E	<b>Nipple</b> , ... ..				41	—	C	
28F/9748	AGS1148/E	<b>Nut</b> , lock, $\frac{5}{8}$ " BSP ... ..				2	—	C	
7432	45S1820	<b>PIPE, CHANGE-OVER COCK TO JOINT, IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 2' 0" LONG, GROUP</b>				1	DTD323A	C	86/3
7433	46S1820	<b>PIPE, CHANGE-OVER COCK TO JOINT, IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 2' 0" LONG, GROUP</b>				1	DTD323A	C	86/4
7425	39S1820	<b>PIPE, COUPLING TO COUPLING IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 2' 0" LONG, GROUP</b>				1	DTD323A	C	86/5
7427	40S1820	<b>PIPE, COUPLING TO COUPLING IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 6' 0" LONG, GROUP</b>				1	DTD323A	C	86/6
7428	41S1820	<b>PIPE, COUPLING TO COUPLING IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 5' 0" LONG, GROUP</b>				1	DTD323A	C	86/7
7429	42S1820	<b>PIPE, COUPLING TO COUPLING IN F.C.S., 22G x <math>\frac{5}{8}</math>" o/d x 5' 0" LONG, GROUP</b>				1	DTD323A	C	86/8
7434	47S1820	<b>PIPE, COUPLING TO COUPLING IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 3' 0" LONG, GROUP</b>				1	DTD323A	C	86/9
7444	58S1820	<b>PIPE, COUPLING TO COUPLING IN NOSE, 22G x <math>\frac{5}{8}</math>" o/d x 12" LONG, GROUP</b>				1	DTD323A	C	86/10

## SERVICES

## VACUUM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
7438	52S1820	PIPE, COUPLING TO COUPLING IN NOSE, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/11
	121S2559	PIPE, COUPLING TO GEAR BOX, PORT AND STARBOARD, 22G x $\frac{1}{2}$ " o/d, GROUP				2	DTD323A		86/12
7439	120S2559	PIPE, COUPLING TO PUMP, PORT AND STARBOARD, 22G x $\frac{1}{2}$ " o/d, GROUP				2	DTD323A		86/13
	53S1820	PIPE, COUPLING TO UNION IN NOSE, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A		86/14
7440	54S1820	PIPE, COUPLING TO UNION IN NOSE, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/15
7441	55S1820	PIPE, COUPLING TO UNION BULK-HEAD, STARBOARD, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/16
7442	56S1820	PIPE, COUPLING TO UNION BULK-HEAD, PORT, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/17
7435	48S1820	PIPE, COUPLING TO VACUUM CHANGE OVER VALVE 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/18
	28S1820	PIPE, FLEXIBLE TO BOMB SIGHT IN NOSE, $\frac{3}{8}$ " o/d, GROUP				1	—		86/19
7431	44S1820	PIPE, JOINT TO CHANGE OVER COCK 22G x $\frac{5}{8}$ " o/d x 2' 0" LONG, GROUP				1	DTD323A	C	86/20
7430	43S1820	PIPE, JOINT TO JOINT, NOSE, PORT, 22G x $\frac{5}{8}$ " o/d x 2' 6" LONG, GROUP				1	DTD323A	C	86/21
7386	109S2559	PIPE JOINT TO JOINT, FRONT CENTRE SECTION, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/22
7375	101S2559	PIPE, JOINT TO WING ROOT, 22G x $\frac{5}{8}$ " o/d, PORT, GROUP				1	DTD323A	C	86/23
7376	107S2559	PIPE, JOINT TO WING ROOT, 22G x $\frac{5}{8}$ " o/d, STARBOARD, GROUP				1	DTD323A	C	86/24
	123S2559	PIPE, OIL SEPARATOR TO JOINT, PORT AND STARBOARD, 22G x $\frac{5}{8}$ " o/d, GROUP				2	DTD323A		86/25
	49S1820	PIPE, RUBBER JOINT TO VACUUM GAUGE NOSE, 22G x $\frac{3}{16}$ " o/d x 2' 0" LONG, GROUP				1	DTD323A		86/26

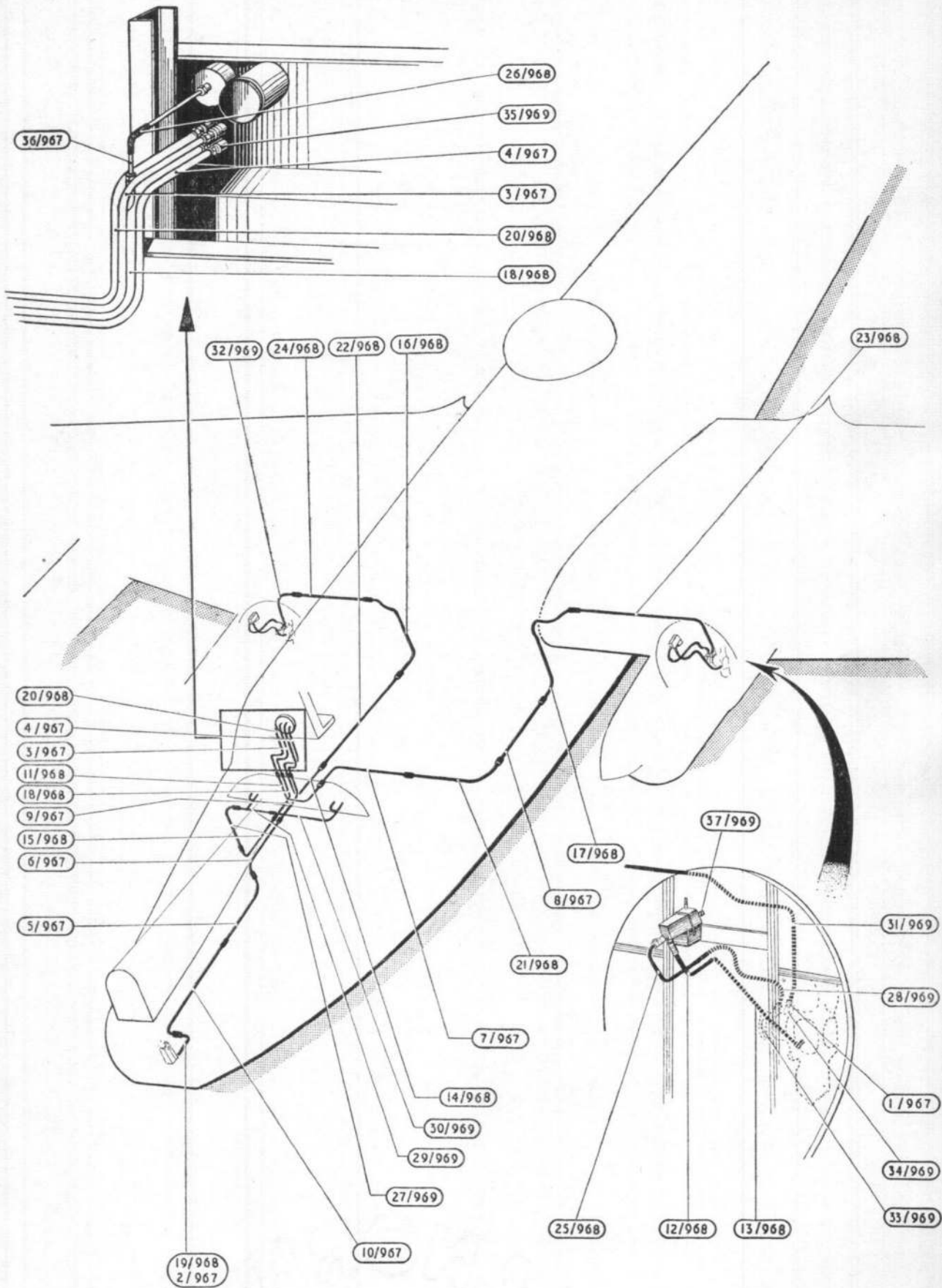
SHACKLETON Mk. 2

SERVICES

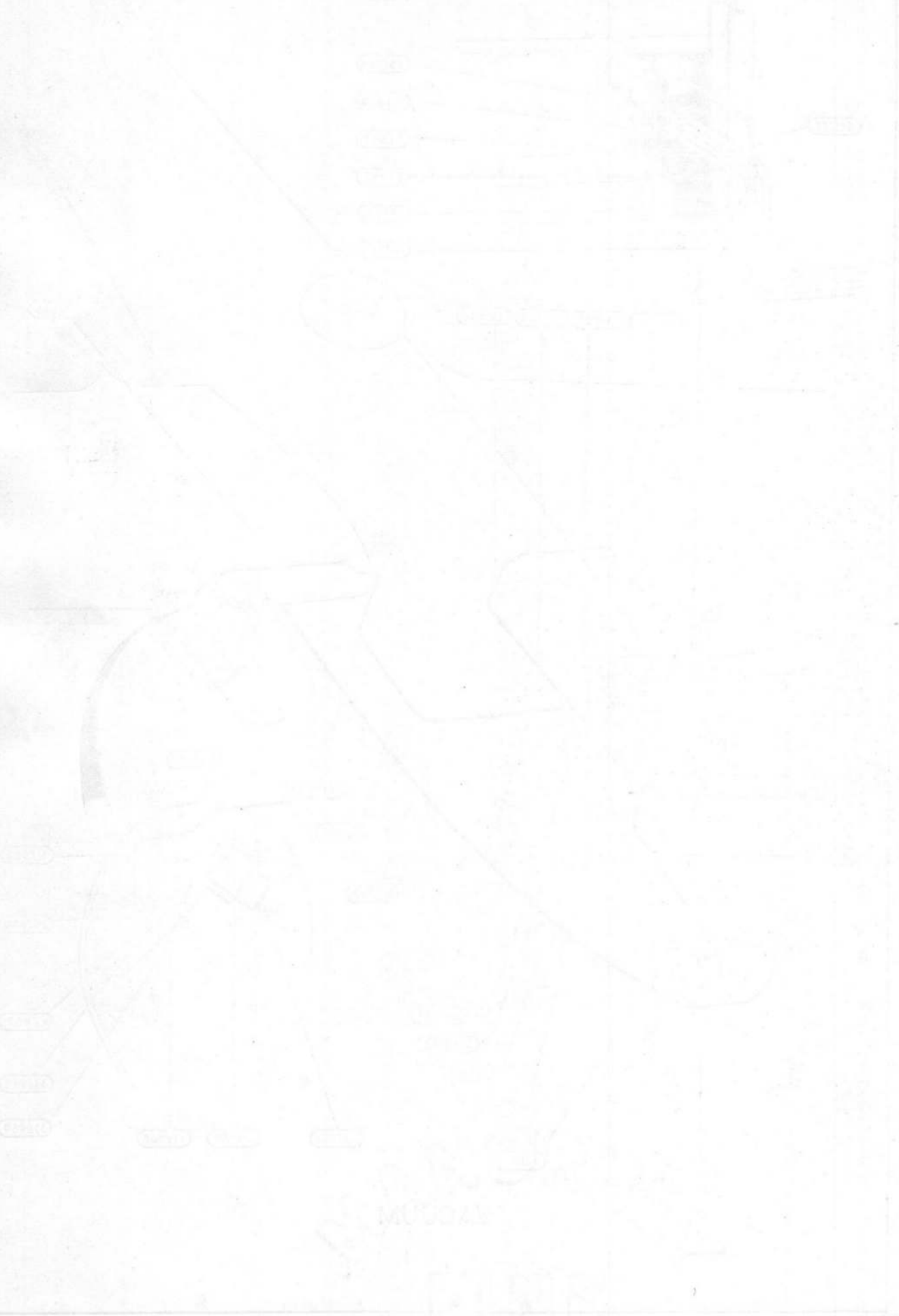
VACUUM

Ref. No.	Part No.	Description				No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
		1	2	3	4			M.R.	
7443	57S1820	PIPE, UNION TO NIPPLE, NOSE, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/27
	124S2559	PIPE, PUMP TO JOINT BULKHEAD, 22G x $\frac{5}{8}$ " o/d, PORT AND STARBOARD, GROUP				2	DTD323A		86/28
7436	50S1820	PIPE, UNION TO NIPPLE, NOSE, STARBOARD, 22G x $\frac{5}{8}$ " o/d reduced to $\frac{3}{8}$ " o/d x 5' 4" LONG, GROUP				1	T55	C	86/29
7437	51S1820	PIPE, UNION TO FLEXIBLE HOSE IN NOSE, 22G x $\frac{5}{8}$ " o/d reduced to $\frac{3}{8}$ " o/d, GROUP				1	T55	C	86/30
	100S2559	PIPE, UNION TO PUMP, PORT, 22G x $\frac{3}{8}$ " o/d, GROUP				1	DTD323A		86/31
7377	112S2559	PIPE, UNION TO SUCTION RELAY VALVE, STARBOARD, 22G x $\frac{5}{8}$ " o/d, GROUP				1	DTD323A	C	86/32
37J/6	—	Pump, vacuum, type B3X, Mk. 2				2	—	A	86/33
26EA 33262	107E1199	Tube, breather				2	—	C	86/37
28F/98/77	AGS1103/E	Union, body $\frac{5}{8}$ " x $\frac{5}{8}$ " x $\frac{5}{8}$ " BSP				17	—	C	
37J/102	CV6570	Valve, suction relief				2	—	A	86/34
27F/1985	Saunders Valve	Valve, vacuum change-over, Group				1	—	A	86/35
26EA/5235	2670Q	Washer, sealing, $\frac{5}{8}$ " BSP Composite				6	—	C	
28F/11953	7SS3583	Washer, sealing, $\frac{5}{8}$ " BSP Composite				2	—	C	
28F/8825	AGS1186/E	Washer, joint, $\frac{1}{8}$ "				1	—	C	
	AGS1138/A								





VACUUM



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