

## SERVICES

## RAM AIR TURBINE INSTALLATION

Ref. No.	Part No.	Description	No. off	Matl. Spec.	Cl. of St.	Plate and Illust'n No.
					M.R.	
		1 2 3 4				
		TURBINE, AIR RAM, FORWARD OF FRONT SPAR AIR INTAKE, PORT (Mod. 513, Pre-Mod. 514) (F10875)				
7500	39F10921	Spares for:— ARM, REAR ASSY., GROUP .....	1	—	B	QU1/1
	21F10921	Spares for:— HOUSING, BEARING, FORWARD, .....	1	—		QU1/2
	24F10921	GROUP HOUSING, BEARING, REAR, GROUP ...	1	—		QU1/3
	HOFFMANN CJ.1	Consisting of:—				
	21aF10921	Bearing .....	1	—		
	24aF10921	Housing, forward .....	1	DTD130A		
	W. & S. No. 6	Housing, rear .....	1	DTD130A		
		Washer .....	1	—		
7516	43F10921	Bolt, for attaching handle to rod .....	1	S96	C	QU1/4
20342	95F10921	Bolt, at I/B and O/B brackets .....	8	—	C	QU1/5
		(made from A25/1G)				
20343	95F10921	Bolt, release unit (made from A25/2G) .....	4	—	C	QU1/6
7504	90F10921	BRACKET, TOP TURBINE, GROUP .....	1	—	C	QU1/7
7505	91F10921	BRACKET, BOTTOM TURBINE, I/B, .....	1	—	C	QU1/8
		GROUP				
20340	97F10921	BRACKET, BOTTOM TURBINE, O/B, .....	1	—	C	QU1/9
		GROUP				
20339	40F10921	Bracket .....	1	DTD130A	C	QU1/10
		CHANNEL, & RELEASE UNIT (5F10875) ..				
		Spares for:—				
7507	73F10921	Case, spring outer, from lever on release unit .....	1	DTD130A	C	QU1/11
7508	74F10921	Case, spring inner .....	1	DTD130A	C	QU1/12
7509	9SS4700	Spring, for arm .....	1	Spring Steel	C	QU1/13
	88F10921	Stop .....	1	—		QU1/14
	89F10921	Stop .....	1	—		QU1/15
	1F10948	UNIT, RELEASE, GROUP .....	1	—		QU1/16
		Consisting of:—				
	2D10021	Block .....	1	DTD683		QU1/17
	3D10021	Block .....	1	DTD683		QU1/18
	8D9487	Bolt, at spring .....	2	S1	MR	QU1/19
28N/4043778	AGS899/15	Collar .....	1	—	C	QJ1/20
	13D9524	HOOK, GROUP .....	1	—	MR	QU1/21
	2F10943	Lever .....	1	L65		QU1/22
28P/1207739	SP/28.H.12	Pin .....	1	—	C	QU1/23
	12D9524	Pin .....	1	—		QU1/24
28P/1279967	SP90/H9	Pin, split .....	1	—	C	QU1/25
	15D9524	Spring .....	2	DTD187		QU1/26
	3F10948	Spindle .....	1	S99		QU1/27
	9D9524	Washer, special .....	1	S1	MR	QU1/28
27QM/4174207	DOWTY LTD. C1.11896.Y.A01	Damper .....	1	—	A	QU1/29

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					St.	
		1 2 3 4			M.R.	
		TURBINE AIR RAM FORWARD OF FRONT SPAR, AIR INTAKE, PORT (Mod. 513, Pre-Mod. 514) (F10875) (Cont'd)				
7492	1F10880	DOOR, MOUNTING, TURBINE, GROUP ... (Pre-Mod. 1336)	1	—		QU2/30
	55F10880	DOOR, MOUNTING, TURBINE, GROUP ... (Mod. 1336)	1	—		
		Spares for:—				
7498	35F10880	Bracket, hinge, aft .....	1	DTD130A	C	QU2/31
7495	36F10880	Bracket, hinge, inboard .....	1	DTD130A	C	QU2/32
7496	37F10880	Bracket, hinge, outboard .....	1	DTD130A	C	QU2/33
	38F10880	BRACKET, MOUNTING, FWD., ... GROUP	1	—	MR	QU2/34
	39F10880	BRACKET, MOUNTING, O/B., GROUP ...	1	—	MR	QU2/35
	40F10880	BRACKET, MOUNTING, I/B., GROUP ...	1	—	MR	QU2/36
		Spares for:—				
	HOFFMANN C13	Rearing .....	1	—		
17944	10SS5880	Washer .....	1	—		
20355	34F10880	Plate, cover .....	1	L72	C	QU2/37
	54F10880	Seal (Pre-Mod. 1366) .....	1	Natural Rubber		QU2/38
	57F11005	Seal, "P", forward inboard )	1	DTD5509/C	L/M	QU2/39
	58F11005	Seal, "P", forward outboard )	1	DTD5509/C	L/M	QU2/40
	59F11005	Seal, "P", inboard ) Make from	1	DTD5509/C	L/M	QU2/41
	60F11005	Seal, "P", outboard ) 26DC/7499	1	DTD5509/C	L/M	QU2/42
	61F11005	Seal, "P", aft inboard )	1	DTD5509/C	L/M	QU2/43
	62F11005	Seal, "P", aft outboard )	1	DTD5509/C	L/M	QU2/44
		(Indices 39-44 made from 26DC/7499)				
	40F11005	Strip, retaining, forward inboard .....	1	L72		QU2/45
	41F11005	Strip, retaining, forward outboard .....	1	L72		QU2/46
	42F11005	Strip, retaining, inboard .....	1	L72		QU2/47
	43F11005	Strip, retaining, outboard .....	1	L72		QU2/48
	44F11005	Strip, retaining, aft inboard .....	1	L72		QU2/49
	45F11005	Strip, retaining, aft outboard .....	1	L72		QU2/50
	49F10880	Shim .....	2	Brass	MR	QU2/51
	51F10880	Shim .....	2	Brass	MR	QU2/52
	—	HANDLE, RESETTING (F10947) .....				
		Spares for:—				
7513	4F10947	FLAP, GROUP .....	1	—	C	QU1/53
7512	7F10947	Handle, operating .....	1	DTD130A	C	QU1/54
7515	3F10947	Pin .....	1	S96	C	QU1/55
8868	20SS4700	Spring, flap .....	1	—	C	QU1/56
	—	LEVERS, ON TRANSVERSE RIB (F10946) .				
		Spares for:—				
	3F10946	BRACKET, FOR LEVER, GROUP .....	1	—		QU1/57
	4F10946	BRACKET, FOR LEVER, GROUP .....	1	—		QU1/58
		Spares for:—				
	3bF10946	Boss .....	1	L65		QU1/59

**SERVICES**  
**RAM AIR TURBINE INSTALLATION**

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			1	2	3	4			
2A/9500411	10F10946	<b>LEVERS ON TRANSVERSE RIB (F10886) (Cont'd)</b> <b>LEVER, GROUP (Mod. 732) ... ..</b>					1	—	QU1/60
	R. & M. CK $\frac{1}{2}$ C	Consisting of :—							
	2aF10946	Bearing ... ..					2	—	C
	10aF10946	Boss ... ..					1	S1	
	2CF10946	Lever ... ..					2	S510	
		Spacer ... ..					1	L65	
	7F10875	<b>ROD, CONNECTING TO RELEASE UNIT, GROUP (Mod. 732)</b>					1	—	QU1/61
		Spares for :—							
	6F10875	<b>END, ROD, GROUP ... ..</b>					1	—	QU1/62
		Consisting of :—							
26FP/16875	HOFFMAN CTO	Bearing ... ..					1		
	6aF10875	Housing ... ..					1	DTD130A	
	6SS5880	Washer ... ..					1	—	C
	28.0.3507	<b>END, ROD, GROUP ... ..</b>					1	—	QU1/63
		Consisting of :—							
28R/4665592	R. & M. CM $\frac{3}{4}$ B	Bearing ... ..					1	—	B
	28a.0.3507	Rod ... ..					1	—	
	58F10921	<b>ROD, CONNECTING TO HANDLE LEVER, GROUP</b>					1	—	QU1/64
		Spares for :—							
28R/4665593	R. & M. CM $\frac{3}{4}$ BL	Bearing ... ..					1	—	B
	17539	<b>END, ROD, GROUP ... ..</b>					1	—	B
		Consisting of :—							
28R/4665592	R. & M. CM $\frac{3}{4}$ B	Bearing ... ..					1	—	B
	60aF10921	End, screwed ... ..					1	MS.BM	
	58GF10921 SP8/Y8	Socket ... ..					1	S1 or S93	QU1/67
7501		Turnbuckle ... ..					1	—	QU1/68
	1F10886	<b>SHAFT, TORQUE ASSY., GROUP</b>					1	—	B
		Spares for :—							
	2F10886	<b>ARM, GROUP ... ..</b>					2	—	QU2/70
	8F10886	<b>END, PLUG, GROUP ... ..</b>					2	—	QU2/71
		Consisting of :—							
26FP/16875	HOFFMAN CJ1	Bearing ... ..					1	—	
	8aF10886	Housing ... ..					2	L65	
	6SS5880	Washer ... ..					2	—	C

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Ref. No.	Part No.	Description	No. off	Mati. Spec.	Cl. of	Plate and Illust'n No.
					St.	
		1 2 3 4			M.R.	
		<b>SHAFT, TORQUE ASSEMBLY, GROUP (F10886) (Cont'd)</b>				
8183	9F10886	<b>HOUSING BEARING CENTRE, GRP.</b>	1	—	B	QU2/72
8184	10F10886	<b>HOUSING BEARING I/B, GROUP</b>	1	—	B	QU2/73
8871	11F10886	<b>HOUSING BEARING O/B, GROUP</b>	1	—	B	QU2/7a
		Consisting of :—				
2A/9500426	R. & M. CA2-1*	<b>Bearing</b> ... ..	1	—	C	
	9aF10886	<b>Housing, centre</b> ... ..	1	DTD130A		
	10aF10886	<b>Housing, I/B</b> ... ..	1	DTD130A		
	11aF10886	<b>Housing, O/B</b> ... ..	1	DTD130A		
26TA/22170	22SS5880	<b>Washer</b> ... ..	—	—	C	
	3F10886	<b>Lever</b> ... ..	2	S96		QU2/75
		<b>SHROUD ASSEMBLY, F10987</b>				
		Spares for :—				
7519	15F10987	<b>SHROUD, GROUP</b> ... ..	1	—	C	QU1/76
5UA/4357538	PLESSEY LTD. TRA170/26	<b>Turbine, ram air</b> ... ..	1	—	A	QU1/77
		<b>TURBINE, AIR RAM FORWARD OF FRONT SPAR, AIR INTAKE, PORT (Mod. 514) (F11002)</b>				
		Spares for :—				
7500	39F10921	<b>ARM, REAR ASSEMBLY, GROUP</b> ...	1	—	B	QU3/78
		Spares for :—				
	21F10921	<b>HOUSING BEARING FWD., GROUP</b>	1	—		QU3/79
	24F10921	<b>HOUSING BEARING REAR, GRP.</b>	1	—		QU3/80
		Consisting of :—				
2A/	HOFFMAN CJ1	<b>Bearing</b> ... ..	1	—		
	21aF10921	<b>Housing, forward</b> ... ..	1	DTD130A		
	24aF10921	<b>Housing, rear</b> ... ..	1	DTD130A		
26FP/16875	6SS5880	<b>Washer</b> ... ..	1	—		
		<b>BEAM, SUPPORT TOP (15F11002) (Mod. 1131)</b>				
		Spares for :—				
7507	73F10921	<b>Case, spring, outer</b> ... ..	1	—	C	QU3/81
7508	74F10921	<b>Case, spring, inner...</b> ... ..	1	—	C	QU3/82
7509	9SS4700	<b>Spring</b> ... ..	1	—	C	QU3/83
20334	12F11002	<b>Stop</b> ... ..	1	—	C	QU3/84
10035	1F11746	<b>UNIT RELEASE, GROUP (Mod. 1131)</b>	1	—	A	QU3/84a
		Consisting of :—				
	2F10999	<b>Block</b> ... ..	1	—		QU3/85
	3F10999	<b>Block</b> ... ..	1	—		QU3/86
28N/4043778	8D9487	<b>Bolt, at spring</b> ... ..	2	S1	MR	QU3/87
	AGS899/15	<b>Collar</b> ... ..	1	—	C	QU3/88
	2F11746	<b>Hook</b> ... ..	1	—	MR	QU3/89
	3F11746	<b>Hook</b> ... ..	1	—	MR	QU3/90
	7F10999	<b>Lever</b> ... ..	1	—		QU3/91
28P/1207739	SP/28.H.12	<b>Pin</b> ... ..	1	—	C	

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Ref. No.	Part No.	Description	No. off	Matl. Spec.	Cl. of	Plate and Illust'n No.
					St. M.R.	
		1 2 3 4				
		UNIT, RELEASE, GROUP (1F11746) (Cont'd)				
	5F10999	Pin .....	1	—		QU3/92
28P/1279967	SP90/H9	Pin, split .....	1	—	C	QU3/93
28P/1207739	SP/28/H.12	Pin, tapes .....	1	—	C	QU3/94
	15D9524	Spring .....	2	DTD187		QU3/95
	3F10948	Spindle .....	1	S99		QU3/96
8893	6F10999	Washer, special .....	1	—	C	QU3/96a
7516	43F10921	Bolt, for attaching handle to rod .....	1	S96	C	QU3/97
20342	95F10921	Bolt, at I/B and O/B bracket .....	8	—	C	QU3/98
		(made from A25/1G)				
20343	96F10921	Bolt, at release unit (made from A25/26) ....	4	—	C	QU3/99
8876	8F11002	BRACKET, TOP TURBINE, GROUP .....	1	—	C	QU3/100
7505	91F10921	BRACKET, BOTTOM I/B TURBINE, .....	1	—	C	QU3/101
		GROUP				
20340	97F10921	BRACKET, BOTTOM O/B TURBINE, .....	1	—	C	QU3/102
		GROUP				
27QM/4174207	DOWTY C1.11896/YA01	Damper .....	1	—	A	QU3/103
8878	1F11005	DOOR, MOUNTING TURBINE, GROUP ....	1	—		
		(Pre-Mod. 1336)				
11279	72F11005	DOOR, MOUNTING TURBINE, GROUP ....	1	—		QU4/104
		(Mod. 1336)				
		Spares for:—				
7498	35F10880	Bracket, hinge, aft .....	1	DTD130A	C	QU4/105
7495	36F10880	Bracket, hinge, inboard .....	1	DTD130N	C	QU4/106
8879	35F11005	Bracket, hinge, outboard .....	1	DTD130	C	QU4/107
8880	38F11005	BRACKET, MOUNTING, FORWARD, ....	1	—	C	QU4/108
		GROUP				
8881	36F11005	BRACKET, MOUNTING, O/B, GROUP ...	1	—	C	QU4/109
8882	37F11005	BRACKET, MOUNTING, I/B, GROUP ....	1	—	C	QU4/110
		Spares for:—				
17944	HOFFMANN C13 10SS5880	Bearing .....	1	—		
		Washer .....	1	—		
20355	34F10880	Plate, cover .....	1	L72	C	QU4/111
	53F10880	Seal .....	1	Natural Rubber	MR	QU4/112
	57F11005	Seal, "P", forward inboard .....	1	DTD5509/C	L/M	QU4/113
	58F11005	Seal, "P", forward outboard .....	1	DTD5509/C	L/M	QU4/114
	59F11005	Seal, "P", inboard .....	1	DTD5509/C	L/M	QU4/115
	60F11005	Seal, "P", outboard .....	1	DTD5509/C	L/M	QU4/116
	61F11005	Seal, "P", inboard aft .....	1	DTD5509/C	L/M	QU4/117
	62F11005	Seal, "P", outboard aft .....	1	DTD5509/C	L/M	QU4/118
		(Indices 113-118 make from Ref. 26DC/7499)				
20361	66F11005	Strip, retaining .....	1	L72	C	QU4/119
20362	67F11005	Strip, retaining .....	1	L72	C	QU4/120
20363	68F11005	Strip, retaining .....	1	L72	C	QU4/121
20364	69F11005	Strip, retaining .....	1	L72	C	QU4/122
20365	70F11005	Strip, retaining .....	1	L72	C	QU4/123
20366	71F11005	Strip, retaining .....	1	L72	C	QU4/124

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		1 2 3 4				
		TURBINE AIR RAM FORWARD OF FRONT SPAR AIR INTAKE, PORT (Mod. 514) (F11002) (Cont'd.)				
	—	HANDLE, RESETTING (F11008) .....				
		Spares for:—				
20354	4F11008	Bracket .....	2	—	C	QU3/125
20353	6F11008	Bracket .....	2	—	C	QU3/126
7513	4F10947	FLAP, GROUP .....	1	—	C	QU3/127
7512	7F10947	Handle, operating .....	1	DTD130A	C	QU3/128
7515	3F10947	Pin .....	1	S96	C	QU3/129
8868	20SS4700	Spring, flap .....	1	—	C	QU3/130
		LEVERS ON TRANSVERSE RIB (F11007)				
		Spares for:—				
9538	7F11007	LEVER, GROUP (Mod. 732) .....	—	—	B	QU3/131
		Consisting of:—				
2A/9500411	R. & M. CK.1/4.C 2aF11007 76F11007	Bearing .....	1	—	C	
		Boss .....	1	S21		
		Lever .....	2	S510		
20350	5F11007	PLATE, FOR LEVER, GROUP .....	1	—	C	QU3/132
20351	6F11007	PLATE, FOR LEVER, GROUP .....	1	—	C	QU3/133
		Spares for:—				
	3F11007	Boss .....	1	DTD130A		
		MOUNTING OF MICRO SWITCHES ADJACENT TO R.A.T. (Z9973)				
		Spares for:—				
12620	9Z9911	Adjuster, end .....	1	S93	C	QU4/134
12621	10Z9911	Adjuster, base .....	1	S94	C	QU4/135
12623	12Z9911	Bearing .....	2	BS369	C	QU4/136
12624	13Z9911	Bearing .....	2	S93	C	QU4/137
	2Z9973	Cover .....	1	L72		QU4/138
	17Z9911	Fairlead .....	2	BSS2572		QU4/139
	5Z9911	PLATE, END, GROUP .....	1	—		QU4/L
12619	8Z9911	Plate, hinge .....	1	DTD130	C	QU4/141
	C1831Y Mk.1	Switch, micro .....	2	—		QU4/142
12622	11Z9911	Tube .....	1	T35	C	QU4/143
17447	13F11002	ROD, CONNECTING, TO RELEASE UNIT, GROUP (Mod. 732)	1	—	B	QU3/144
		Spares for:—				
	6F10875	END, ROD, GROUP .....	1	—		QU3/145
		Consisting of:—				
	CJ0	Bearing .....	1	—		
	6aF10875	Housing .....	1	DTD130A		
	W. & S. 1106	Washer .....	1	—		

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