

SERVICES — HYDRAULICS IN WINGS

Ref. No.	Part No.	Description	No. Off	Material Specification	M.R. Class of Store	Plate No.
		1 2 3 4 5				
—	E.234167-8	HYDRAULIC EQUIPMENT IN WINGS, ASSEMBLY	—	—	—	—
		(Mod. 686)				
31	27QM/4117998	Dowty Accumulator unit (Mod. 416)	1	—	A.	
	08394Y-A02					
	27QM/1471	Dowty Accumulator unit (Pre Mod. 416)	1	—	A.	
	C.8294Y*					
31	1929	F.180037 Adaptor, bleed screws	2	L.168	C.	NH.1
	1930	F.196234 Adaptor, 3/16" cone to 1/4" hose	2	—	C.	NH.1
		(Pre Mod. 197) (Mk. 6 only)				
	1931	F.144413 Adaptor, 3/8" cone to 1/4" hose	2	L.1	C.	NH.1
	4582	F.201231 Adaptor, bleed screw	2	—	C.	NH.1
	2082	F.196060 Block, clamp, at interspar ribs "A" and "C"	5	LFS.21	C.	
	2094	F.196061 Block, clamp, at interspar rib "A"	1	LFS.21	C.	
	2052	F.194338 Block, clamp, on sub spar, front spar, undercarriage girder and ribs "C", and "D", "E"	21	LFS.21	C.	
	2053	F.194339 Block, clamp, on sub spar and ribs "D", "E" and "F1"	13	LFS.21	C.	
	3901	F.194724 Block, clamp, on bottom skin, port	2	LFS.21	C.	
	3903	F.194874 Block, clamp, on port interspar rib "A"	2	LFS.21	C.	
	3904	F.196078 Block, clamp, on port interspar rib "B"	1	LFS.21	C.	
	3905	F.196092 Block, clamp, on port interspar rib "E" and starboard front spar	5	LFS.21	C.	
	3906	F.196069 Block, clamp, on interspar rib "D"	1	LFS.21	C.	
	3907	F.196070 Block, clamp, on port interspar rib "D"	1	LFS.21	C.	
	3908	F.196071* Block, clamp, on port interspar rib "D"	1	LFS.21	C.	
		(Pre Mod. 197) (Mk. 6 only)				
	3909	F.196072* Block, clamp, on port interspar rib "D"	1	LFS.21	C.	
		(Pre Mod. 197) (Mk. 6 only)				
	3911	F.196082* Block, clamp, on port interspar rib "E"	2	LFS.21	C.	
		(Pre Mod. 197) (Mk. 6 only)				
	2084	F.196075* Block, clamp, on starboard interspar rib "E"	2	LFS.21	C.	
		(Pre Mod. 197) (Mk. 6 only)				
	5138	F.203159* Block, clamp, on interspar rib "F"	2	LFS.21	C.	
		(Pre Mod. 197) (Mk. 6 only)				
	2083	F.196078 Block, clamp, on interspar rib "D"	5	LFS.21	C.	
	3910	F.196081 Block, clamp, on port interspar rib "C"	2	LFS.21	C.	
	3913	F.195831 Block, clamp, on top skin	2	LFS.21	C.	
	3914	F.196066 Block, clamp, on starboard interspar rib "A"	2	LFS.21	C.	
	3915	F.194932 Block, clamp, on starboard interspar rib "C"	2	LFS.21	C.	
	3916	F.196094 Block, clamp, on starboard interspar rib "C"	2	LFS.21	C.	
	3917	F.196067 Block, clamp, on starboard interspar rib "D"	2	LFS.21	C.	
	2079	F.196064 Block, clamp, on sub spars and rib "D"	10	LFS.21	C.	
	5136	A.199970 Block, clamp, on port rib "S"	1	LFS.21	C.	
	5137	A.199971 Block, clamp, on starboard rib "S"	1	LFS.21	C.	
	3919	F.196068 Block, clamp, on front spar	1	LFS.21	C.	
	3920	F.196093 Block, clamp, on bottom skin	2	LFS.21	C.	
	4585	F.202581 Block, clamp, on inboard diaphragm	2	LFS.21	C.	
	4586	F.202582 Block, clamp, on inboard diaphragm	2	LFS.21	C.	
	5139	F.203396 Block, clamp, on port interspar rib "A"	2	LFS.21	C.	
	5140	F.204355 Block, clamp, on port interspar rib "A"	1	LFS.21	C.	
	5141	F.204356 Block, clamp, on port interspar rib "A"	1	LFS.21	C.	
	4877	F.203780 Block, clamp, on port interspar rib "D" (Pre Mod. 510)	1	LFS.21	C.	
	4878	F.203781 Block, clamp, on port interspar rib "D" (Pre Mod. 510)	1	LFS.21	C.	
	5142	F.204833 Block, clamp, on port interspar rib "E"	1	LFS.21	C.	
	5143	F.204834 Block, clamp, on port interspar rib "E"	1	LFS.21	C.	
	5144	F.205014 Block, clamp, on port interspar rib "E"	4	LFS.21	C.	
	5145	F.205189 Block, clamp, on port interspar rib "D"	2	LFS.21	C.	
	5146	F.204830 Block, clamp, on port interspar rib "B"	1	LFS.21	C.	
	5147	F.204831 Block, clamp, on port interspar rib "B"	1	LFS.21	C.	
	5148	F.204868 Block, clamp, between interspar ribs "M" and "L"	2	LFS.21	C.	
	4583	F.202489 Block, clamp, on port interspar rib "F1"	1	LFS.21	C.	

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		1 2 3 4 5				
	2081 F.195583	Block, clamp, on interspar rib "D"	2	LFS.21	C.	
	2072 F.193854	Block, clamp, on interspar rib "F" (Mod. 197)	2	LFS.21	C.	
	8301 F.206023	Block, clamp, on interspar rib "E" (Mod. 197)	2	LGS.21	C.	
	8302 F.206022	Block, clamp, on interspar rib "E" (Mod. 197)	2	LFS.21	C.	
	8305 F.215471	Block, clamp, on interspar rib "D" (Mod. 197)	1	LFS.21	C.	
	8306 F.215472	Block, clamp, on interspar rib "D" (Mod. 197)	1	LFS.21	C.	
	8309 F.215478	Block, clamp, on interspar rib "F" (Mod. 197)	2	LFS.21	C.	
	8310 F.217880	Block, clamp, on interspar rib "E" (Mod. 197)	1	LFS.21	C.	
	F.216872	Block, clamp, on interspar rib "D" (Mod. 510)	2	LFS.21	C.	
	4584 F.202490	Block, clamp, on port interspar rib "F1"	1	LFS.21	C.	
	5149 F.204957	Block, clamp, on top skin	1	LFS.21	C.	
	5150 F.205916	Block, clamp, on top skin	1	LFS.21	C.	
	5151 F.204687	Block, clamp, undercarriage girder	1	LFS.21	C.	
	5152 F.204867	Block, clamp, on undercarriage girder	1	LFS.21	C.	
	4875 F.203778	Block, clamp, on starboard interspar rib "D"	1	LFS.21	C.	
		(Pre Mod. 510)				
	4876 F.203779	Block, clamp, in starboard interspar rib "D"	1	LFS.21	C.	
		(Pre Mod. 510)				
	F.214114	Block, clamp, on starboard interspar rib "D"	2	LFS.21		
	5154 F.204869	Block, clamp, on starboard interspar rib "E"	2	LFS.21	C.	
	F.216870	Block, clamp, on interspar rib "D" (Mod. 510)	2	LFS.21		
	8085 F.214887	Block, clamp, for air pipe (Mod. 330)	2	LFS.21		
	5479 F.203959	Bracket, for clamp blocks on rib "C"	1	L72	C.	NH.1
31	5155 B.201084	Bracket, mounting, for accumulator on starboard ..	1	S.510	C.	NH.1
		rib "F"				
	A.205865	Channel, on rib "S"	2	—		
31	4873 F.201509	Clamp, supporting pipe on tail rib "G"	3	S.510	MR/C	NH.1
		(2 off Pre Mod. 197) (Mk. 8 only)				
	5236 F.203197	Clamp	2	LFS.21	C.	NH.1
31	4909 A.202676	Clip, guide, port	1	S.510	C.	NH.1
31	4910 A.202677	Clip, guide, starboard	1	S.510	C.	NH.1
31	5235 A.203196	Clip, for clamp	2	S.510	C.	NH.1
31	1047 F.187998	Clip, shuttle valve attachment, rib "D", starboard ..	1	S.510	C.	NH.1
31	1048 F.188356	Clip, shuttle valve attachment on interspar rib "F", ..	1	S.510	C.	NH.1
		port				
31	1883 F.193723	Clip, for throttling valve	1	S.510	C.	NH.1
31	5158 A.201085	Clip, half, for accumulator mounting	2	S.510	C.	NH.1
	4146 F.193863	Clip, for reducing valve (Mod. 197)	1	S.84	C.	NE.1
	F.217579	Clip, for air pipe on interspar rib "D" (Mod. 510) ...	2	L72		
31	3734 Std.840/14	Clip, for earthing connector on ribs "A", "C" and "E" ..	2	DTD.510	C.	4
	Std.850/32	Clip, securing pipes between ribs "A" and "B"	1	DTD.610		4
31	5157 Std.1959/1	Clip, securing pipes	1	S.510	C.	5
	9663 Std.2045/19/24	Clip, securing pipes on interspar rib "C"	1	—	C.	6
	9664 Std.2045/22/24	Clip, securing pipes on interspar rib "D"	1	—	C.	6
	5481 F.204992	Clip, supporting pipe on undercarriage girder	1	S.510	MR/C	NH.1
	— B.190650-1	Clips, and pipes on undercarriage legs, assembly ..	—	—	—	—
		(Pre Mod. 197) (Mk. 8 only)				
	28E/14051	Clip, securing, union to pressure regulating valve ..	1	—	C.	
	28E/14053	Clip, securing, pressure regulator valve to union ...	1	—	C.	
	— C.223630	DETAILS OF EQUIPMENT, ASSEMBLY	—	—	—	
		(Mod. 486)				
	10156 A.215212	Bracket, mounting, for filter unit	1	—	C.	
	9421 F.215214	Clip, attachment of filter unit	1	—	C.	
	27KF/1445575	Filter, unit (For spares see AP.4515P, Vol. 3)	1	—	A.	
		(Mod. 1307)				
31	2144 Std.1231/3	Lug, locking	1	S.510	C.	4

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31	6A/2237916	Gauge, pressure Mk. 14LL (Mod. 330)	1	—	A.	
31	27BA/4110884	Auto. Prod. Hose, flexible, 1/8", at aileron booster (Pre Mod. 1274)	2	—	C.	
31	AVA.322A/22.5	Hose, flexible (Mod. 1424)	2	—	LM.	
	Aeroquip	Consisting of:—				
	SA.7670021-002					
31	28F/5398380	Fitting, end	2	—	C.	
31	28F/5398381	Fitting, end	2	—	C.	
	32C/0281350	Hose	2	—	C.	
	32C/1396964	Sleeve	QR	—	C.	
	27BA/4111012	Auto. Prod. Hose, flexible (Alt. to 27VA/6115821) (Mod. 1274) (Pre Mod. 1424)	2	—	C.	
	27VA/6115821	Dunlop Hose, flexible (Alt. to 27BA/4111012) (Pre Mod. 1424)	2	—	C.	
31	2/W14/261/8/8/22.5	Hose, flexible, 1/4" at aileron booster (Mod. 1424)	2	—	LM.	
	Aeroquip	Consisting of:—				
	SA.7670022-002					
31	28F/5398382	Fitting, end	2	—	C.	
31	28F/5398383	Fitting, end	2	—	C.	
	32C/0281350	Hose	2	—	C.	
	32C/1396964	Sleeve	QR	—	C.	
	27BA/4110908	Auto. Prod. Hose, flexible, 1/4" at aileron booster (Alt. to 27VA/6115820) (Pre Mod. 1424)	2	—	C.	
	27VA/6115820	Dunlop Hose, flexible, 1/4" at aileron booster (Alt. to 27BA/4110908) (Pre Mod. 1424)	2	—	C.	
31	27VA/4619926	Dunlop Hose, flexible, 1/4" at undercarriage leg (Pre Mod. 197) (Mk. 6 only)	2	—	C.	
	DC.101/A/27*	Hose, flexible, 1/8" at undercarriage leg (Pre Mod. 197) (Mk. 6 only)	2	—	C.	
	27VA/4559	Dunlop DC.112/A/27*				
	27QM/1491736	Dowty Rotol Jack, undercarriage, port (Mod. 1432)	1	—	A.	
	1.03665.003	Jack, undercarriage, port (Pre Mod. 1432)	1	—	A.	
	27QM/1448750	Dowty 103665001 Jack, undercarriage, starboard (Mod. 1432)	1	—	A.	
	27QM/1491737	Dowty Rotol 1.03665.004 Jack, undercarriage, starboard (Pre Mod. 1432)	1	—	A.	
	27QM/1448752	Dowty 103665002 Jack, flap	2	—	A.	
31	27QM/4118079	Dowty C.7581Y.AO.2 Jack, flap synchronising, port	1	—	A.	
	27QM/1896	Dowty 07390 P.AO3 Jack, flap synchronising, starboard	1	—	A.	
	27QM/1897	Dowty 07390 S.AO3				
31	6A/1037413	Label (Mod. 330)	1	—	C.	
31	2144	Std.1231/3 Lug, locking at charging valve and pressure switch mtg.	2	S.510	C.	4
	1394	Std.1547/24/14 Packing, for sequence valve	1	DTD.610	C.	4
	2030	C.189160/2 Pipe, pressure, port wing, union to union (Pre Mod. 579)	1	DTD.323	C.	
	2034	C.189160/12 Pipe, return, port wing, 4-way piece to thermal relief valve	1	DTD.323	C.	
		† For details see Piping Chart				

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Ref. No.	Part No.	Description					No. OH	Material Specification	M.R. Class of Score	Plate No.
		1	2	3	4	5				
4566	C.189160/123	Pipe, flap balancing, union to flap down connection					1	DTD.323	C.	
5237	C.189160/126	Pipe, flap balancing, union to union					1	DTD.323	C.	
5238	C.189160/127	Pipe, flap balancing, selector to union					1	DTD.323	C.	
5239	C.189160/128	Pipe, flap balancing, tee-piece to union					1	DTD.323	C.	
5299	C.189160/142	Pipe, undercarriage down, 4-way piece to undercarriage jack					1	DTD.323	C.	
5302	C.189160/147	Pipe, undercarriage down, union to 4-way piece					1	DTD.323	C.	
5304	C.189160/149	Pipe, undercarriage air, non-return valve to 4-way piece					1	DTD.323	C.	
5305	C.189160/150	Pipe, undercarriage down, 4-way piece to union					1	DTD.323	C.	
5306	C.189160/151	Pipe, undercarriage down, union to jettison valve					1	DTD.323	C.	
†	C.189160/152	Pipe, undercarriage up, tee-piece to thermal relief valve					1	DTD.323		
5308	C.189160/155	Pipe, undercarriage up, tee-piece to jettison valve					1	DTD.323	C.	
†	C.189160/156	Pipe, undercarriage up, tee-piece to union (Pre Mod. 579)					1	DTD.323		
†	C.189160/159	Pipe, undercarriage air, pressure release valve to non-return valve					1	DTD.323		
†	C.189160/160	Pipe, undercarriage air, pressure release valve to union					1	DTD.323		
†	C.189160/161	Pipe, undercarriage air, union to union					1	DTD.323		
†	C.189160/163	Pipe, undercarriage up, union to elbow					1	DTD.323		
†	C.189160/165	Pipe, flap air, union to union					1	DTD.323		
5310	C.189160/167	Pipe, flap down, union to union					1	DTD.323	C.	
†	C.189160/168	Pipe, undercarriage up, jettison valve to tee-piece					1	DTD.323		
5311	C.189160/169	Pipe, flap down, bleed adaptor to flap jack					1	DTD.323	C.	
5312	C.189160/170	Pipe, flap up, bleed adaptor to flap jack					1	DTD.323	C.	
5313	C.189160/171	Pipe, pressure, union to flap control valve					1	DTD.323	C.	
5314	C.189160/182	Pipe, flap air, jettison valve to union					1	DTD.323	C.	
†	C.189160/183	Pipe, flap air, union to atmosphere					1	DTD.323		
5219	C.189160/184	Pipe, undercarriage up, restrictor valve to undercarriage jack					1	DTD.323	C.	
†	C.189160/192*	Pipe, flexible, wheel brakes, port wing, union to union (Pre Mod. 197) (Mk. 6 only)					1	DTD.323		
		† For details see Piping Chart								

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Ref. No.	Part No.	Description	No. Off	Placard Specification	H.R. Class of Score	Plate No.
		1 2 3 4 5				
5286	C.189160/193	Pipe, flap down, port wing, flap control valve to pressure relief valve	1	DTD.323	C.	
†	C.189160/194	Pipe, flap air, port wing, union to fluid jettison valve	1	DTD.323		
5287	C.189160/195	Pipe, flap air, port wing, fluid jettison valve to shuttle valve (Pre Mod. 510)	1	DTD.323	C.	
†	C.189160/196	Pipe, flap balancing, port wing break, union to union	1	DTD.323		
†	C.189160/197	Pipe, flap down, tee-piece to union	1	DTD.323		
5288	C.189160/198	Pipe, flap balance, port wing break, union to tee-piece	1	DTD.323	C.	
†	C.189160/199	Pipe, flap balance, union to port wing break	1	DTD.323		
5289	C.189160/200	Pipe, undercarriage up, tee piece to sequence valve	1	DTD.323	C.	
7109†	C.189160/211	Pipe, return, torsion link to "Maxaret" unit (Pre Mod. 197) (Mk. 6 only)	1	DTD.323	MR/C	
8202†	C.189160/214	Pipe, return, port wing, tee piece to tee piece (Mod. 265)	1	DTD.323	MR/C	
8203†	C.189160/215	Pipe, return, tee-piece to flap pressure relief valve (Mod. 265)	1	DTD.323	MR/C	
8204†	C.189160/216	Pipe, return, tee piece to tee piece (Mod. 265)	1	DTD.323	MR/C	
8205†	C.189160/217	Pipe, return, tee piece to flap selector valve (Mod. 265)	1	DTD.323	MR/C	
8206†	C.189160/218	Pipe, return, 4-way piece to tee-piece (Mod. 265)	1	DTD.323	MR/C	
†	C.189160/220	Pipe, wheel brake, leg pivot (B) to adaptor (Mod. 187)	1	DTD.323		
†	C.189160/221	Pipe, recuperator, leg pivot (C) to union (Mod. 197)	1	DTD.323		
†	C.189160/222	Pipe, recuperator, union to union (Mod. 197)	1	DTD.323		
†	C.189160/224	Pipe, wheel brake, leg pivot (A) to 4-way piece (Mod. 197)	1	DTD.323		
†	C.189160/229	Pipe, flap, air, fluid jettison valve to shuttle valve (Mod. 510)	1	DTD.323		
9087†	C.189160/231	Pipe, "undercarriage up" pressure regulator valve to union (Mod. 579)	1	DTD.323	C.	
9088†	C.189160/232	Pipe, "undercarriage up" union to union (Mod. 579)	1	DTD.323	C.	
9085†	C.189160/233	Pipe, pressure union to regulator valve (Mod. 579)	1	DTD.323	C.	
9086†	C.189160/234	Pipe, pressure, pressure regulator valve to union (Mod. 579)	1	DTD.323	C.	
9089†	C.189160/238	Pipe, "undercarriage up" tee-piece to union (Mod. 579)	1	DTD.323	C.	
†	C.189161/2	Pipe, pressure, starboard wing, union to union	1	DTD.323		
3417	C.189161/3	Pipe, pressure, starboard wing, union to pressure regulating valve	1	DTD.323	C.	
3418	C.189161/4	Pipe, pressure, starboard wing, pressure regulating valve to undercarriage control valve	1	DTD.323	C.	
3419	C.189161/5	Pipe, pressure, starboard wing, pressure regulating valve to union	1	DTD.323	C.	
†	C.189161/13	Pipe, return, starboard wing, tee piece to tee piece	1	DTD.323		
3428	C.189161/14	Pipe, return, starboard wing, tee-piece to undercarriage control valve	1	DTD.323	C.	
3430	C.189161/16	Pipe, return, starboard wing, tee piece to thermal relief valve	1	DTD.323	C.	
†	C.189161/17	Pipe, return, starboard wing, tee piece to thermal relief valve	1	DTD.323		
3435	C.189161/21	Pipe, return, starboard wing, tee piece to tee piece	1	DTD.323	C.	
3436	C.189161/22	Pipe, return, starboard wing, tee piece to aileron control valve	1	DTD.323	C.	
3443	C.189161/29	Pipe, undercarriage up, starboard wing, undercarriage control valve to 4-way piece	1	DTD.323	C.	
3445	C.189161/31	Pipe, undercarriage up, starboard wing, 4-way piece to tee-piece	1	DTD.323	C.	
†	C.189161/32	Pipe, undercarriage up, starboard wing, tee-piece to union	1	DTD.323		
†	C.189161/34	Pipe, undercarriage up, starboard wing, 4-way piece to tee-piece	1	DTD.323		
†	C.189161/47	Pipe, undercarriage down, starboard wing, shuttle valve to union	1	DTD.323		
† For details see Piping Chart						

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		1 2 3 4 5				
	† C.189161/48	Pipe, undercarriage down, union to starboard wing break	1	DTD.323		
	† C.189161/52	Pipe, undercarriage down, starboard wing, union to union	1	DTD.323		
	† C.189161/54	Pipe, undercarriage down, starboard wing, tee-piece to thermal relief valve	1	DTD.323		
29	† C.189161/60*	Pipe, wheel brake, starboard wing union to union (Pre Mod. 197) (Mk. 6 only)	1	DTD.323		
29	3476 C.189161/62*	Pipe, wheel brake, starboard wing, flexible hose to torsion link (Pre Mod. 197) (Mk. 6 only)	1	DTD.323	C.	
	3486 C.189161/72	Pipe, flap up, starboard wing break to union	1	DTD.323	C.	
	3487 C.189161/73	Pipe, flap up, starboard wing, union to bleed adaptor	1	DTD.323	C.	
	† C.189161/75	Pipe, flap down, starboard wing break to union	1	DTD.323		
	3490 C.189161/76	Pipe, flap down, starboard wing, union to bleed adaptor	1	DTD.323	C.	
	3494 C.189161/80	Pipe, flap balance, starboard wing break to union	1	DTD.323	C.	
	† C.189161/97	Pipe, undercarriage up, tee-piece to restrictor valve	1	DTD.323		
	5317 C.189161/98	Pipe, undercarriage up, tee-piece to thermal relief valve	1	DTD.323	C.	
	† C.189161/99	Pipe, return, thermal relief valve to tee-piece	1	DTD.323		
	5318 C.189161/100	Pipe, return, tee-piece to tee-piece	1	DTD.323	C.	
	5319 C.189161/101	Pipe, return, tee-piece to tee-piece	1	DTD.323	C.	
	† C.189161/103	Pipe, undercarriage up, union to union	1	DTD.323		
	5320 C.189161/104	Pipe, undercarriage up, sequence valve to pressure regulator valve	1	DTD.323	C.	
	5321 C.189161/105	Pipe, undercarriage up, pressure regulator valve to union	1	DTD.323	C.	
	† C.189161/106	Pipe, undercarriage up, union to union	1	DTD.323		
	5322 C.189161/107	Pipe, aileron power assisted, tee piece to union	1	DTD.323	C.	
	† C.189161/108	Pipe, aileron power assisted, union to union	1	DTD.323		
	5323 C.189161/109	Pipe, aileron power assisted, union to union	1	DTD.323	C.	
	† C.189161/110	Pipe, aileron power assisted, union to union	1	DTD.323		
	5324 C.189161/111	Pipe, aileron power assisted, union to union	1	DTD.323	C.	
	† C.189161/112	Pipe, aileron power assisted, union to tee piece	1	DTD.323		
	† C.189161/114	Pipe, return, flexible hose to union	1	DTD.323		
	5326 C.189161/115	Pipe, return, union to union	1	DTD.323	C.	
	† C.189161/116	Pipe, return, union to union	1	DTD.323		
	5327 C.189161/117	Pipe, return, union to union	1	DTD.323	C.	
	5328 C.189161/118	Pipe, return, union to union	1	DTD.323	C.	
	5329 C.189161/119	Pipe, return, union to tee piece	1	DTD.323	C.	
	7089† C.189161/124	Pipe, pressure, tee-piece to accumulator	1	DTD.323	MR/C	
	4575 C.189161/126	Pipe, flap balance, tee piece to jack up connection	1	DTD.323	C.	
	4577 C.189161/127	Pipe, flap balance, tee piece to selector	1	DTD.323	C.	
29	5461 C.189161/132*	Pipe, wheel brake, torsion link to "Maxaret" unit (Pre Mod. 197) (Mk. 6 only)	1	DTD.323	C.	
29	† C.189161/133*	Pipe, return, flexible hose to torsion link (Pre Mod. 197) (Mk. 6 only)	1	DTD.323		
	4574 C.189161/138	Pipe, flap balance, union to flap down connection	1	DTD.323	C.	
	5240 C.189161/139	Pipe, flap balance, union to union (Mod. 30)	1	DTD.323	C.	
	5241 C.189161/140	Pipe, flap balance, selector to union (Mod. 30)	1	DTD.323	C.	
	5242 C.189161/141	Pipe, flap balance, tee piece to union (Mod. 30)	1	DTD.323	C.	
	5332 C.189161/153	Pipe, undercarriage air, non-return valve to 4-way piece	1	DTD.323	C.	
	5333 C.189161/154	Pipe, undercarriage down, undercarriage jack to 4-way piece	1	DTD.323	C.	
29	† C.189161/162*	Pipe, wheel brake union to flexible pipe (Pre Mod. 197) (Mk. 6 only)	1	DTD.323		
† For details see Piping Chart						

RESTRICTED

SERVICES — HYDRAULICS IN WINGS

Ref. No.	Part No.	Description	No. Off	Material Specification	M.R. Class of Store	Plate No.
5335	C.189161/164	Pipe, undercarriage up, tee piece to tee piece	1	DTD.323	C.	
5336	C.189161/165	Pipe, undercarriage up, tee piece to thermal relief valve	1	DTD.323	C.	
†	C.189161/167	Pipe, undercarriage up, tee piece to union	1	DTD.323		
5338	C.189161/169	Pipe, undercarriage, jettison valve to tee piece	1	DTD.323	C.	
†	C.189161/170	Pipe, undercarriage down, union to tee piece	1	DTD.323		
†	C.189161/171	Pipe, undercarriage down, starboard wing break to union	1	DTD.323		
†	C.189161/174	Pipe, undercarriage down, tee piece to union	1	DTD.323		
†	C.189161/175	Pipe, undercarriage down, union to starboard wing break	1	DTD.323		
†	C.189161/176	Pipe, undercarriage down, 4-way piece to union ...	1	DTD.323		
5339	C.189161/179	Pipe, power assisted aileron, aileron control valve to tee piece	1	DTD.323	C.	
5341	C.189161/181	Pipe, undercarriage up, tee piece to sequence valve	1	DTD.323	C.	
†	C.189161/182	Pipe, undercarriage air, union to pressure release valve	1	DTD.323		
†	C.189161/183	Pipe, undercarriage air, non-return valve to pressure release valve	1	DTD.323		
5342	C.189161/185	Pipe, flap up, bleed adaptor to flap jack	1	DTD.323	C.	
5343	C.189161/186	Pipe, flap down, bleed adaptor to flap jack	1	DTD.323	C.	
5344	C.189161/188	Pipe, pressure, tee piece to aileron control valve ...	1	DTD.323	C.	
5220	C.189161/191	Pipe, undercarriage up, restrictor valve to undercarriage jack	1	DTD.323	C.	
5290	C.189161/213	Pipe, undercarriage down, starboard wing, undercarriage control valve to tee piece	1	DTD.323	C.	
†	C.189161/214	Pipe, undercarriage down, starboard wing, tee piece to shuttle valve	1	DTD.323		
5291	C.189161/215	Pipe, undercarriage down, starboard wing, shuttle valve to tee piece	1	DTD.323	C.	
†	C.189161/216	Pipe, undercarriage down, starboard wing, tee piece to union	1	DTD.323		
†	C.189161/220	Pipe, flap balance, starboard wing break, union to tee piece	1	DTD.323		
†	C.189161/221	Pipe, flap balance, union to wing break	1	DTD.323		
29	6958†	C.189161/228* Pipe, return, torsion link to "Maxaret" unit	1	DTD.323	MR/C	
		(Pre Mod. 197) (Mk. 6 only)				
8207†	C.189161/229*	Pipe, pressure, starboard wing, union to non-return valve (Mod. 265) (Pre Mod. 197)	1	DTD.323	MR/C	
8208†	C.189161/230	Pipe, pressure, tee piece to tee piece (Mod. 265) ...	1	DTD.323	MR/C	
8209†	C.189161/231*	Pipe, pressure, starboard wing, tee piece to thermal relief valve (Mod. 265)	1	DTD.323	MR/C	
6994	C.189161/232	Pipe, return, starboard wing, tee piece to 4-way piece (Mod. 265)	1	DTD.323	C.	
8211†	C.189161/234	Pipe, return, starboard wing, non-return valve to 4-piece (Mod. 265)	1	DTD.323	MR/C	
29	8212†	C.189161/235* Pipe, return, flexible hose to 4-way piece (Mod. 265)	1	DTD.323	MR/C	
		(Pre Mod. 197) (Mk. 6 only)				
6993	C.189161/236	Pipe, undercarriage up, union to jettison valve	1	DTD.323	C.	
		(Mod. 265)				
8086	C.189161/244	Pipe, air charging, accumulator to tee piece (Mod. 330)	1	DTD.323	C.	
8087	C.189161/245	Pipe, air charging, tee piece to charging connection (Mod. 330)	1	DTD.323	C.	
8088	C.189161/246	Pipe, air charging, tee piece to pressure gauge	1	DTD.323	C.	
		(Mod. 330)				
	C.189161/248	Pipe, recuperator, union to union (Mod. 197)	1	DTD.323		
		† For details see Piping Chart				

SERVICES — HYDRAULICS IN WINGS

Ref. No.	Part No.	Description	No. On	Material Specification	M.R. Class of Store	Plate No.
		1 2 3 4 5				
†	C.189161/249	Pipe, recuperator, union to tee piece (Mod. 197) ...	1	DTD.323		
†	C.189161/250	Pipe, recuperator, tee piece to leg pivot connection (C) (Mod. 197)	1	DTD.323		
†	C.189161/251	Pipe, recuperator, tee piece to P.R. Valve (Mod. 197)	1	DTD.323		
†	C.189161/252	Pipe, recuperator, P.R. Valve to tee piece (Mod. 197)	1	DTD.323		
†	C.189161/253	Pipe, pressure, union to tee piece (Mod. 197)	1	DTD.323		
†	C.189161/254	Pipe, pressure, tee piece to N.R.V. (Mod. 197)	1	DTD.323		
†	C.189161/255	Pipe, wheel brake, leg pivot connection (A) to adaptor (Mod. 197)	1	DTD.323		
†	C.189161/256	Pipe, wheel brake, adaptor to union (Mod. 197)	1	DTD.323		
†	C.189161/257	Pipe, return leg, pivot connection (B) to tee piece (Mod. 197)	1	DTD.323		
†	C.189161/259	Pipe, recuperator, tee piece to P.R.V. (Mod. 197) ...	1	DTD.323		
†	C.189161/267	Pipe, pressure, N.R.V. to filter (inlet) (Mod. 486)	1	DTD.323		
†	C.189161/268	Pipe, pressure, filter (outlet) to tee piece (Mod. 486)	1	DTD.323		
†	C.189161/273	Pipe, return, 4-way piece to tee piece (Mod. 197) ...	1	DTD.323		
†	C.189161/274	Pipe, undercarriage up, 4-way piece to union (Mod. 486)	1	DTD.323		
†	C.189161/275	Pipe, undercarriage up, union to jettison valve (Mod. 486)	1	DTD.323		
†	C.189161/276	Pipe, oil jettison, jettison valve to atmosphere (Mod. 486)	1	DTD.323		
†	C.189161/277	Pipe, undercarriage, air, union to union (Mod. 486)	1	DTD.323		
†	C.189161/278	Pipe, undercarriage, air, union to jettison valve (Mod. 486)	1	DTD.323		
†	C.189161/279	Pipe, undercarriage, air, jettison valve to shuttle valve (Mod. 486)	1	DTD.323		
†	C.189161/280	Pipe, return, 4-way piece to N.R.V. (Mod. 486)	1	DTD.323		
†	C.189161/281	Pipe, undercarriage down, sequence valve to union (Mod. 486)	1	DTD.323		
9869	C.189161/297	Pipe, aileron, pressure, 4-way piece to pressure switch (Mod. 686)	1	DTD.323	C.	
9870	C.189161/298	Pipe, aileron pressure, 4-way piece to union (Mod. 686)	1	DTD.323	C.	
28Q/70053	Dowty 04862Y-Mk. BQ.7	Regulator, undercarriage pressure (AS.830/56)	1	—	B.	
31	27Q/4117627	Dowty D.6207Y Restrictor, one-way (Pre Mod. 753)	2	—	C.	
31	27Q/4117622	Dowty 0620Y BQ.1 Restrictor, one-way (Mod. 753)	2	—	C.	
	B.203004	Rod, spacer, group	2	—		
		Consisting of:—				
4131	F.197484	Block, clamp	4	LFS.21	C.	NH.1
31	28M/9433473	Nut	2	—	C.	
	28Q/20576	Rivet (Mod. 1225)	6	—	C.	
		Rod, 3/16" dia. x 44" long	1	L.168		
31	27Q/1006106	Ring, "O" type	4	—	C.	
31						
	11067	Tube, distance	6	T.4	C.	
	28W/9419475	Washer	2	—	C.	
		Rod, spacer, group	2	—		
		Consisting of:—				
4131	F.197484	Block, clamp	3	LFS.21	C.	
	28M/10328	Nut	2	—	C.	
	28Q/20576	Rivet (Mod. 1225)	6	—	C.	
31		Rod, 3/16" dia. x 37.70" long	1	L.168		
31	27QA/1006106	Ring, "O" type	3	—	C.	
	11067	Tube, distance	4	T.4	C.	
	28W/9419475	Washer	2	—	C.	
		† For details see Piping Chart				

SERVICES—HYDRAULICS IN WINGS

Ref. No.	Part No.	Description	No. Off	Material Specification	M.R. Class of Store	Plane No.
		1 2 3 4 5				
	5160 Std.1208/100/49/10	Shim, for sequence valve adjustment	QR	Steel	C.	4
31	5CW/4405174 Thermal Controls TP.5566	Switch, pressure (Mod. 686)	1	—	A.	
	1932 F.194934	Tee-piece, 1/2" x 1/2" x 1/4"	2	LA	C.	
	5161 F.199039	Tee-piece, 1/4" x 3/16" x 3/16"	2	LA	C.	NH.1
	3792 Std.1509/23/025	Tube, distance, 5/16" o/d x 17 S.W.G.	1	T.4	MR/C	4
	Std.1507/2/150	Tube, distance	4	T.26	—	4
	10893 Std.1509/12/050	Tube, distance	1	T.4	C.	4
	5767 Std.1509/12/030	Tube, distance	3	T.4	MR/C	4
	869 F.140778	Union, reducing	5	L.1	C.	
	27QM/ Dowty	Unit, control, aileron (Pre Mod. 895)	1	—	A.	
	08808Y-BO.2					
31	27QM/4117840 Dowty	Unit, selector valve (Mod. 996)	1	—	A.	
	08808Y-BO.6					
	27QM/4117762 Dowty	Unit, control, selector flaps	1	—	A.	
	08817Y-AO.5					
31	27QM/4117803 Dowty	Unit, control, undercarriage	1	—	A.	
	08817Y-AO.6					
	5482 F.202794	Valve, charging	1	—	MR/B	NH.1
31	27QM/4117441 Dowty D.5212Y	Valve, non-return (Mod. 396)	2	—	A.	
31	27Q/4117448 Dowty D.5220Y	Valve, non-return	3	—	B.	
31	27QM/4117557 Dowty	Valve, flap pressure relief (Pre Mod. 1202)	1	—	A.	
	C.4651Y Mk. A					
31	27QM/4117556 Dowty	Valve, flap pressure relief (Mod. 1202)	1	—	A.	
	1.00051.034					
31	27QM/4117673 Dowty	Valve, sequence, undercarriage, port (AS.770/64)	1	—	A.	
	O.8950Y BO.3					
31	27QM/4117688 Dowty	Valve, sequence, undercarriage, starboard	1	—	A.	
	O.8950Y BO.4	(AS.770/64)				
31	27QM/4117933 Dowty	Valve, shuttle undercarriage	1	—	A.	
	C.4122Y Mk.A					
31	27Q/4117728 Dowty	Valve, thermal relief	6	—	B.	
	C.4603Y Mk.A					
31	27QM/4117748 Dowty	Valve, throttling	1	—	A.	
	D.7523Y					
31	27QM/4117478 Dowty C.3651Y	Valve, pressure regulator (Pre Mod. 1202)	2	—	A.	
31	27QM/4117477 Dowty	Valve, pressure regulator (Mod. 1202)	1	—	A.	
	1.02032.001					
31	27QM/4117532 Dowty	Valve, flap pressure regulator (AS.830/56)	1	—	A.	
	O.4862Y BO.8					
31	27QM/4674304 Dowty D.4930Y	Valve, selector (pressure relief)	2	—	A.	
31	27QM/4117693 Dowty D.7375Y	Valve, sequence (emergency air)	2	—	A.	
31	27QM/4117724 Dowty	Valve, sequence (Mod. 1142)	1	—	A.	
	1.0043.012					
31	27QM/4117707 Dowty	Valve, sequence (Mod. 1142)	1	—	A.	
	1.00043.013					
31	27QM/4674307 Dowty	Valve, shuttle	1	—	A.	
	C.4122Y Mk.G					
31	27QM/4674306 Dowty	Valve, jettison	2	—	A.	
	C.2701Y Mk.H					
31	27QM/4117595 Dowty	Valve, reducing with integral P.R. valve (Mod. 197)	1	—	A.	
	C.4809Y Mk.B	(Pre Mod. 1202)				
	27QM/4117594 Dowty	Valve, reducing (Mod. 1202)	1	—	A.	
	1.00073.004					
	5162 F.202820	Washer, for sequence valve	4	—	C.	NH.1

SERVICES - HYDRAULICS IN WINGS

Ref. No.	Part No.	Description					No. Off	Material Specification	M.R. Class of Store	Plate No.
		1	2	3	4	5				
	C.208007	WING FUSELAGE CONNECTIONS, ASSEMBLY					—	—		
2081	F.195583	Block, clamp, on port side of diaphragm "G"					2	LFS.21	C.	
2100	F.195658	Block, clamp, between diaphragm "G" and wing rib "A"					1	LFS.21	C.	
2101	F.195659	Block, clamp, between diaphragm "G" and wing rib "A"					1	LFS.21	C.	
2102	F.195660	Block, clamp, between diaphragm "G" and wing rib "A"					1	LFS.21	C.	
2103	F.195767*	Block, clamp, on starboard side of diaphragm "G" (Pre Mod. 197)					1	LFS.21	C.	
2104	F.195768*	Block, clamp, on starboard side of diaphragm "G" (Pre Mod. 197)					1	LFS.21	C.	
8307	F.215473	Block, clamp, starboard diaphragm "G" (Mod. 197)					1	LFS.21	C.	
8308	F.215474	Block, clamp, starboard diaphragm "G" (Mod. 197)					1	LFS.21	C.	
†	C.189160/28	Pipe, wheel brake, port wing break, union to union					1	DTD.323		
†	C.189160/35	Pipe, power assisted aileron, port wing break, union to union					1	DTD.323		
†	C.189160/59	Pipe, flap air, port wing break, union to union					1	DTD.323		
†	C.189160/158	Pipe, pressure, elbow to union					1	DTD.323		
†	C.189160/162	Pipe, undercarriage air, port wing break union to union					1	DTD.323		
†	C.189160/166	Pipe, return, port wing break to tee piece					1	DTD.323		
7107†	C.189160/201	Pipe, undercarriage up, union to elbow at port wing break					1	DTD.323	MR/C	
7108†	C.189160/202	Pipe, undercarriage up, union to port wing break					1	DTD.323	MR/C	
†	C.189160/223	Pipe, recuperator, union to union (Mod. 197)					1	DTD.323		
†	C.189161/1	Pipe, pressure, starboard wing break to union					1	DTD.323		
3426	C.189161/12	Pipe, return, starboard wing break to tee piece					1	DTD.323	C.	
†	C.189161/33	Pipe, undercarriage up, union to starboard wing break					1	DTD.323		
3454	C.189161/40	Pipe, undercarriage up, union to starboard wing break					1	DTD.323	C.	
†	C.189161/53	Pipe, undercarriage down, union to starboard wing break					1	DTD.323		
†	C.189161/59	Pipe, wheel break, starboard wing break to union					1	DTD.323		
5316	C.189161/90	Pipe, undercarriage air tee piece to starboard wing break					1	DTD.323	C.	
†	C.189161/189	Pipe, undercarriage air, starboard wing break to union					1	DTD.323		
5345	C.189161/190	Pipe, undercarriage air tee piece to tee piece					1	DTD.323	C.	
†	C.189161/217	Pipe, power assisted aileron union to starboard wing break					1	DTD.323		
†	C.189161/218	Pipe, undercarriage air union to tee piece					1	DTD.323		
†	C.189161/247	Pipe, recuperator, union to union (Mod. 197)					1	DTD.323		

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RESTRICTED

PLATE NO NH.1
(ISSUE 2)

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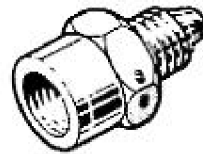
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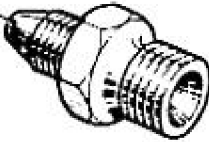


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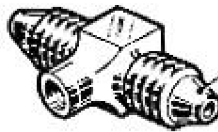


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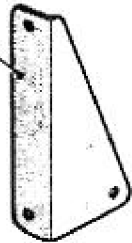
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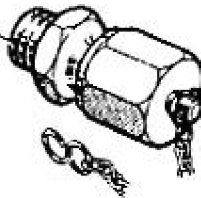
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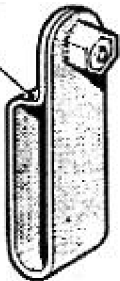
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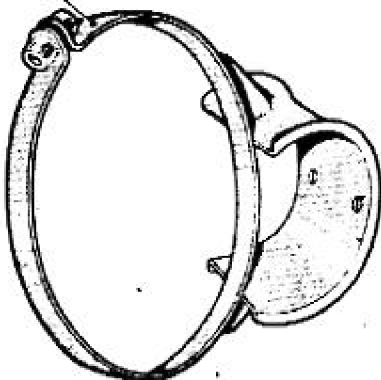


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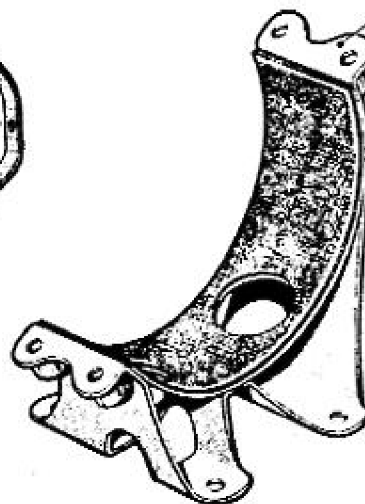
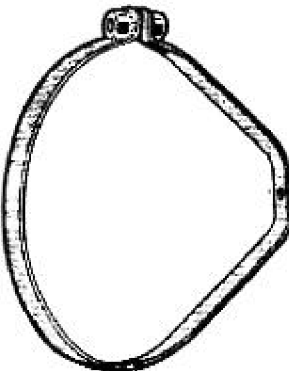


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HYDRAULICS



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