

SERVICES—HYDRAULICS FRONT FUSELAGE

Ref. No.	Part No.	Description					No. Off	Material Specification	M.R. Class of Score	Place No.
		1	2	3	4	5				
	E.222095	HYDRAULIC INSTALLATION IN FRONT FUSELAGE					—	—		
	B.203257	ASSEMBLY (Mod. 457)					—	—		
		ACCUMULATOR, FOR BRAKE AT FRAME 6,					—	—		
		ASSEMBLY					—	—		
27VA/4562	Dunlop	Accumulator, hydraulic (Pre Mod. 294)					2	—	A.	
	AC.12810									
10 27VA/4625911	Dunlop	Accumulator, hydraulic (Mod. 294)					2	—	A.	
	AC.14010									
10	4588	Bracket, support, outer, for accumulator					2	S.510	C.	NF.1
10	2842	Bracket, supporting accumulator					2	S.510	MR/C	NF.1
10	4594	Clip, half					2	S.510 & T.26	C.	4
	869	F.140778					1	—	C.	NF.1
	1467	F.190363					1	LFS.21	C.	NF.1
	2052	F.194338					1	LFS.21	C.	
		Block, pipe clamp, between frames 5 and 6, at brake relay control valve								
	2053	F.194339					1	LFS.21	C.	
		Block, pipe clamp, between frames 5 and 6, at brake relay control valve								
	2056	F.193810					5	LFS.21	C.	
		Block, pipe clamp, at frames 5 and 11, also between frames 4 and 7								
	2057	F.193811					7	LFS.21	C.	
		Block, pipe clamp, at frames 5 and 11, also between frames 4 and 7								
	2058	F.193813					1	LFS.21	C.	
	2059	F.193814					1	LFS.21	C.	
	2060	F.193815					2	LFS.21	C.	
	2061	F.193816					1	LFS.21	C.	
	2062	F.193817					1	LFS.21	C.	
	2063	F.193820					1	LFS.21	C.	
	2064	F.193821					1	LFS.21	C.	
	2065	F.193822					1	LFS.21	C.	
	2066	F.193823					1	LFS.21	C.	
	2067	F.193824					1	LFS.21	C.	
	2068	F.193825					1	LFS.21	C.	
	2069	F.193852					4	LFS.21	C.	
	2070	F.193856					2	LFS.21	C.	
	2071	F.193857					2	LFS.21	C.	
	2072	F.193854					7	LFS.21	C.	
		Block, pipe clamp, at frames 5, 9 and 13, also frames 11 and 12								
	4225	F.199972					2	LFS.21	C.	
		Block, pipe clamp, at frame 10								
	2096	F.193855					1	LFS.21	C.	
	2097	F.194348					1	LFS.21	C.	
	4884	F.200006					1	LFS.21	C.	
	2098	F.194349					1	LFS.21	C.	
	4885	F.200007					1	LFS.21	C.	
	2099	F.194350					1	LFS.21	C.	
	4886	F.200008					1	LFS.21	C.	
	2132	F.196065					2	LFS.21	C.	
	4887	F.200009					1	LFS.21	C.	
	6092	F.209674					1	LFS.21	C.	
	6093	F.209675					1	LFS.21	C.	
	8193	F.213463					1	LFS.21	MR/C	
	8490	F.216054					1	LFS.21	C.	
	8491	A.216089					4	LFS.21	C.	
	8487	F.217704					2	LFS.21	C.	
		Block, clamp, for flexible hose, frames 11 and 12 (Mod. 457)								
	447	F.186436					2	S.95.B	C.	NF.1
	863	F.190229					2	S.95.B	C.	NF.1
10 27VA/4619941	Dunlop	Bottle, air, spherical					2	—	A.	
	A.C.M.16782									

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		1 2 3 4 5				
	C.201308	CABLE RUN FOR BRAKE CONTROL VALVE, ASSEMBLY	—	—		
	4441 Dunlop A.C.M.17353	Cable, brake control	1	—	B.	
10	4439 F.201310	Cleat, for brake cable adjuster	2	DTD.610	MR/C	NF.1
	4440 F.201307	Clip, for brake cable	2	S.510	MR/C	NF.1
	4442 A.201281	Guard	1	S.4	MR/C	NF.1
10	6A/1037333 —	Choke E.L.	1	—	B.	
	3740 Std.840/33	Clip, securing thermal valve, 7/16" wide x 22 S.W.G. x 3.3" long	1	DTD.610	MR/C	4
	3748 Std.841/34	Clip, 7/16" wide x 22 S.W.G. x 3.4" long	1	DTD.610	MR/C	4
10	5720 Std.842/11	Clip, securing pipes, 7/16" wide x 22 S.W.G. x 1.1" long (Make from 30A/9610312)	2	S.510	MR/C	4
	9664 Std.2045/22/24	Clip, sleeved:	2	—	C.	
10	28Y/9701165 H.P. Components Ltd. A.58	Connections, charging (AS.720/42)	1	—	C.	
	6A/2237916 —	Gauge, pressure, Mk. 14LL	1	—	A.	
10	6A/4333066 —	Gauge, pressure Mk. 14KK 0—3000lb. E.L.	2	—	A.	
10	Dunlop A.C.O.9719	Gauge, triple pressure	1	—		
	6A/4337752 —	Gauge, triple pressure Mk. 2 (Mod. 699)	1	—	A.	
	13567 Aeroquip SA.7670021—002	Hose, flexible, 1/8" (Mod. 1424)	1	—	LM	
		Consisting of:—				
10	28F/5398380 SA.26073	Fitting, end	1	—	C.	
10	28F/5398381 SA.76378—C	Fitting, end	1	—	C.	
	32C/0281350 AE.246—4	Hose	1	—	C.	
	32C/1396964 AQ.710-8	Sleeve	QR	—	C.	
	27BA/4111012 Auto. Prod. AVX.4452/22.5	Hose, flexible, 1/8" (Alt. to 27VA/6115821) (Mod. 1274) (Pre Mod. 1424)	1	—	C.	
	27VA/6115821 Dunlop	Hose, flexible 1/8" (Alt. 27BA/4111012) (Pre Mod. 1424)	1	—	C.	
10	27QM/4118397 Dowty C.7889Y Mk. A*	Jack, aileron gearing, 2-position (Mod. 457)	1	—	A.	
10	27QM/4118381 Dowty 1.00420.001	Jack, aileron gearing, 2-position (AS.860/23)	1	—	A.	
	9562 F.211703	Label, for pressure gauge (Mod. 354)	1	L.72	C.	
	F.207769	Label, undercarriage, flaps and anti-G charging pressure	1	L.72		
	6A/1037413 —	Label	3	—	C.	
	2144 Std.1231/3	Lug, locking	5	S.3	C.	4
	A.192688	MOUNTING, FOR BRAKE PRESSURE RELAYS	—	—	—	
		ON FRAME No. 11, ASSEMBLY				
	3748 Std.841/34	Clip, securing, 7/16" wide x 22 S.W.G. x 3.4" long	2	DTD.610	MR/C	4
	2845 A.192688/1	Packing, 2.65" long x .45" wide x 1/8" thick	2	DTD.590	MR/C	NF.1
10	27VA/4625928 Dunlop	Relay, pressure	2	—	A.	
	A.C.M.18570 or					
10	27VA/4625951 A.C.M.18798					
	2845 A.192688/1	Packing, for pressure relay	1	DTD.590	MR/C	NF.1
	† C.187921/1	Pipe, pressure, tee-piece to union	1	DTD.323		
	† C.187921/2	Pipe, pressure, union to tee-piece	1	DTD.323		
	† C.187921/3	Pipe, pressure, tee-piece to union	1	DTD.323		
	† C.187921/4	Pipe, pressure, union to non-return valve	1	DTD.323		
	† C.187921/5	Pipe, pressure, non-return valve to 4-way piece	1	DTD.323		
	† C.187921/6	Pipe, pressure, 4-way piece to relay valve	1	DTD.323		
	† C.187921/8	Pipe, pressure, tee-piece to pressure switch	1	DTD.323		
		† For details see Piping Chart				

Ref. No.	Part No.	Description	No. Off	Material Specification	M.R. Class of Store	Plate No.
†	C.187921/9	Pipe, pressure, tee-piece to pressure relay	1	DTD.323		
†	C.187921/10	Pipe, pressure, relay to choke	1	DTD.323		
†	C.187921/11	Pipe, pressure, choke to bulkhead connection	1	DTD.323		
†	C.187921/14	Pipe, return, union to union	1	DTD.323		
†	C.187921/15	Pipe, return, union to tee-piece	1	DTD.323		
†	C.187921/16	Pipe, return, tee-piece to non-return valve	1	DTD.323		
†	C.187921/17	Pipe, return, non-return valve to relay valve	1	DTD.323		
†	C.187921/18	Pipe, return, tee-piece to thermal relief valve	1	DTD.323		
†	C.187921/19	Pipe, return, thermal relief valve to 4-way piece	1	DTD.323		
		(Pre Mod. 294)				
†	C.187921/20	Pipe, undercarriage up, union to union	1	DTD.323		
†	C.187921/21	Pipe, undercarriage up, union to tee-piece	1	DTD.323		
†	C.187921/22	Pipe, undercarriage up, tee-piece to restrictor	1	DTD.323		
1944	C.187921/23	Pipe, undercarriage up, restrictor to nose wheel jack	1	DTD.323	C.	
†	C.187921/24	Pipe, undercarriage up, tee-piece to union	1	DTD.323		
†	C.187921/25	Pipe, undercarriage up, union to sequence valve	1	DTD.323		
†	C.187921/26	Pipe, undercarriage up, sequence valve to union	1	DTD.323		
†	C.187921/27	Pipe, undercarriage up, union to union	1	DTD.323		
1945	C.187921/28	Pipe, undercarriage up, union to nose wheel door jack	1	DTD.323	C.	
†	C.187921/29	Pipe, undercarriage down, union to union	1	DTD.323		
†	C.187921/30	Pipe, undercarriage down, union to tee-piece	1	DTD.323		
†	C.187921/33	Pipe, undercarriage down, tee-piece to union	1	DTD.323		
†	C.187921/34	Pipe, undercarriage down, union to restrictor	1	DTD.323		
1947	C.187921/35	Pipe, undercarriage down, restrictor to nose wheel door jack	1	DTD.323	C.	
†	C.187921/36	Pipe, port brake, union to union	1	DTD.323		
†	C.187921/37	Pipe, port brake, union to tee-piece	1	DTD.323		
†	C.187921/38	Pipe, port brake, tee-piece to union	1	DTD.323		
†	C.187921/39	Pipe, port brake, union to relay valve	1	DTD.323		
†	C.187921/40	Pipe, port brake, tee-piece to pressure relay	1	DTD.323		
†	C.187921/41	Pipe, port brake, pressure relay to bulkhead connection	1	DTD.323		
†	C.187921/43	Pipe, starboard brake, union to union	1	DTD.323		
†	C.187921/44	Pipe, starboard brake, union to tee-piece	1	DTD.323		
†	C.187921/45	Pipe, starboard brake, tee-piece to union	1	DTD.323		
†	C.187921/46	Pipe, starboard brake, union to relay valve	1	DTD.323		
†	C.187921/47	Pipe, starboard brake, tee-piece to pressure relay	1	DTD.323		
†	C.187921/48	Pipe, starboard brake, pressure relay to bulkhead connection	1	DTD.323		
†	C.187921/50	Pipe, brake air, accumulator to union	1	DTD.323		
†	C.187921/51	Pipe, brake air, union to bulkhead connection	1	DTD.323		
†	C.187921/53	Pipe, flap and undercarriage air, charging connection to union	1	DTD.323		
†	C.187921/55	Pipe, flap and undercarriage air, bulkhead connection to 4-way piece	1	DTD.323		
†	C.187921/56	Pipe, undercarriage air, 4-way piece to non-return valve	1	DTD.323		
†	C.187921/57	Pipe, undercarriage air, non-return valve to air bottle	1	DTD.323		
†	C.187921/58	Pipe, undercarriage air, air bottle to tee-piece	1	DTD.323		
†	C.187921/59	Pipe, undercarriage air, tee-piece to air release valve	1	DTD.323		
†	C.187921/61	Pipe, undercarriage air, bulkhead connection to tee-piece	1	DTD.323		
†	C.187921/62	Pipe, undercarriage air, tee-piece to union	1	DTD.323		
†	C.187921/63	Pipe, undercarriage air, tee-piece to gauge	1	DTD.323		
†	C.187921/64	Pipe, flap air, 4-way piece to non-return valve	1	DTD.323		
†	C.187921/65	Pipe, flap air, non-return valve to air-bottle	1	DTD.323		
†	C.187921/66	Pipe, flap air, bottle to tee-piece	1	DTD.323		
†	C.187921/67	Pipe, flap air, tee-piece to union	1	DTD.323		

† For details see Piping Chart

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		1	2	3	4	5				
†	C.187921/71	Pipe, flap air, bulkhead connection to union					1	DTD.323		
†	C.187921/72	Pipe, flap air, union to union					1	DTD.323		
†	C.187921/73	Pipe, flap air, tee-piece to gauge					1	DTD.323		
†	C.187921/74	Pipe, undercarriage down, union to shuttle valve					1	DTD.323		
†	C.187921/75	Pipe, undercarriage down, shuttle valve to union					1	DTD.323		
†	C.187921/76	Pipe, undercarriage air, tee-piece to shuttle valve					1	DTD.323		
†	C.187921/77	Pipe, pressure, tee-piece to union					1	DTD.323		
†	C.187921/78	Pipe, pressure, union to union					1	DTD.323		
†	C.187921/79	Pipe, port brake, bulkhead connection to union					1	DTD.323		
†	C.187921/80	Pipe, starboard brake, bulkhead connection to union					1	DTD.323		
†	C.187921/81	Pipe, brake air, bulkhead connection to gauge					1	DTD.323		
†	C.187921/82	Pipe, pressure, union to gauge					1	DTD.323		
†	C.187921/83	Pipe, port brake, union to gauge					1	DTD.323		
†	C.187921/84	Pipe, starboard brake, union to gauge					1	DTD.323		
†	C.187921/85	Pipe, flap air, union to air release valve					1	DTD.323		
†	C.187921/86	Pipe, flap air, release valve to union					1	DTD.323		
4589	C.187921/94	Pipe, air, accumulator to accumulator					1	DTD.323	C.	
4590	C.187921/95	Pipe, pressure, 4-way piece to tee-piece					1	DTD.323	C.	
4591	C.187921/96	Pipe (Pre Mod. 294)					1	DTD.323	C.	
4592	C.187921/97	Pipe (Pre Mod. 294)					1	DTD.323	C.	
†	C.187921/111	Pipe, undercarriage air, air release valve to bulkhead connection					1	DTD.253		
†	C.187921/112	Pipe, flap air, union to bulkhead connection					1	DTD.253		
7140	C.187921/113	Pipe, flap and undercarriage air, connection to union (Mod. 276)					1	DTD.323	MR/C	
7141	C.187921/114	Pipe, flap and undercarriage air, charging connection to union (Mod. 276) (Pre Mod. 334)					1	DTD.323	MR/C	
7848	C.187921/115	Pipe, pressure, tee-piece to accumulator (Mod. 294)					1	DTD.323	C.	
7849	C.187921/116	Pipe, pressure, tee-piece to accumulator (Mod. 294)					1	DTD.323	C.	
8199	C.187921/117	Pipe, pressure, non-return valve to 4-way piece (Mod. 294)					1	DTD.323	MR/C	
8200	C.187921/118	Pipe, pressure, 4-way piece to relay valve (Mod. 294)					1	DTD.323	MR/C	
8201	C.187921/119	Pipe, return, thermal relief valve to 4-way piece (Mod. 294)					1	DTD.323	MR/C	
8194	C.187921/120	Pipe, flap and undercarriage air, charging connection to union (Mod. 334)					1	DTD.323	MR/C	
†	C.187921/123	Pipe, services valve to union (Mod. 457)					1	DTD.323		
†	C.187921/124	Pipe, pressure, shuttle valve to union (Mod. 457)					1	DTD.323		
†	C.187921/125	Pipe, pressure, union to union (Mod. 457)					1	DTD.323		
†	C.187921/132	Pipe, return, tee-piece to shuttle valve (Mod. 457)					1	DTD.323		
†	C.187921/133	Pipe, return, union to tee-piece (Mod. 457)					1	DTD.323		
†	C.187921/134	Pipe, flaps and undercarriage air, bulkhead connection to connection (Mod. 457)					1	DTD.323		
†	C.187921/135	Pipe, nose wheel jack to union (Mod. 457)					1	DTD.323		
†	C.187921/136	Pipe, union to tee-piece (Mod. 457)					1	DTD.323		
†	C.187921/143	Pipe, service, union to flexible hose (Mod. 457)					1	DTD.323		
8571	C.187921/144	Pipe, pressure, union to union (Mod. 457)					1	DTD.323	C.	
6081	C.187921/148	Pipe, air, accumulator to charging valve (Mod. 289)					1	DTD.323	C.	
1474	F.182924	Plate, clamp (in halves)					2	LFS.21	C.	NF.1
6751	F.210130	Plate, extension					1	L.72	C.	
10	27VA/4625928	Dunlop Relay, pressure					1	—	A.	
	ACM.18570 or									
10	27VA/462591	Dunlop ACM.18798								
10	27QA/4117615	Dowty Restrictor					1	—	B.	
	D.4141Y									

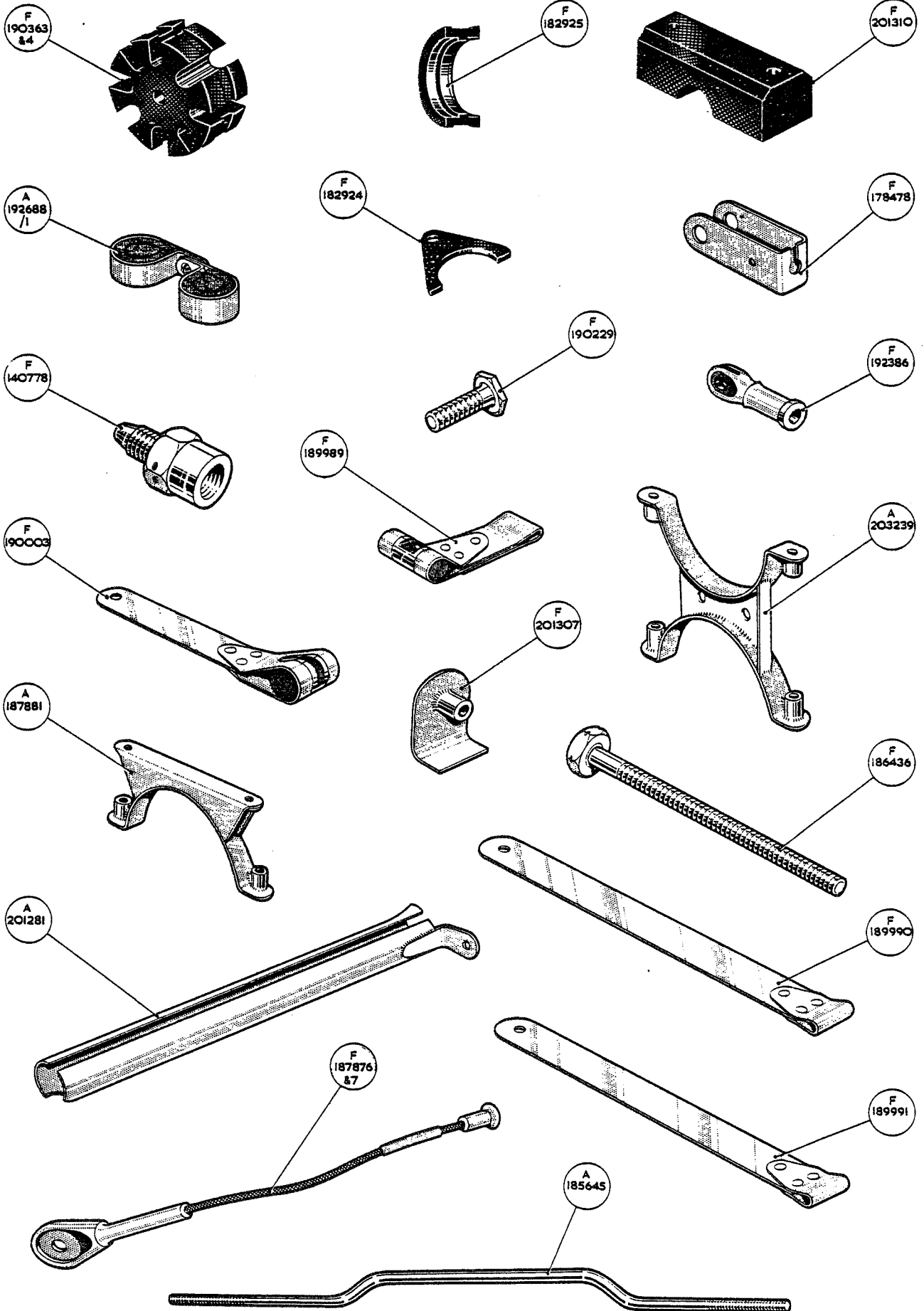
† For details see Piping Chart

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		1	2	3	4	5				
10	5F/4349857	B.190361	Rdd, spacer, group				1	-		
		F.190364	Block, clamp				1	LFS.21	C.	NF.1
		1467 F.190363	Block, clamp				2	LFS.21	C.	NF.1
		-	Liner				2	P.V.C.	C.	
		1475 F.182925	Ring, clamp (in halves)				2	LFS.21	C.	NF.1
		B.190361/1	Rdd, 34.5" long x 3/16" dia.				1	DTD.423		
		- Std.1509/23/050	Tube, distance, 5/16" o/d x 17 S.W.G. x 0.5" long				2	T.4	-	4
			(Make from 30B/9611262)							
		3809 Std.1510/13/054	Tube, distance, 5/16" o/d x 20 S.W.G. x .54" long				1	T.4	MR/C	4
		1720 Std.1606/44/B24	Screw				4	Brass	C.	5
		1476 F.189990	Strap, air bottle, forward				2	DTD.166	C.	NF.1
		866 F.189989	Strap, air bottle, forward lower				2	DTD.166	C.	NF.1
		868 F.190003	Strap, air bottle, forward upper				2	DTD.166	C.	NF.1
		867 F.189991	Strap, air bottle, rear				2	DTD.166	C.	NF.1
10	5CW/4405184	Thermal Control	Switch, pressure (Mod. 827)				1	-	A.	
		T.P.5555								
		Std.1509/2/072	Tube, distance, 1/4" o/d x 22 S.W.G. x 0.72" long				2	T.4		4
		Std.1509/12/010	Tube, distance, at triple pressure gauge, 1/4" o/d x				2	T.4		4
			20 S.W.G. x .10" long							
		Std.1509/23/024	Tube, distance, 5/16" o/d x 17 S.W.G. x 0.24" long				1	T.4		4
		3808 Std.1509/23/040	Tube, distance, 5/16" o/d x 17 S.W.G. x 0.40" long				2	T.4	MR/C	4
		A.187879	VALVE, RESTRICTOR AND MOUNTING FOR				-	-		
			NOSE WHEEL DOOR, ASSEMBLY							
		3770 Std.1178/8	Clip				1	S.510	C.	4
		27Q/4117599 Dowty	Restrictor valve, one-way				1	-	A.	
		D.4140.Y								
		3805 Std.1509/23/100	Tube, distance, 5/16" o/d x 17 S.W.G. x 1" long				1	T.4	MR/C	4
		B.187875	VALVE, AIR RELEASE, FLAP EMERGENCY				-	-		
			CONTROL, ASSEMBLY							
10	5CW/9438275	8134 A.214740	Bracket, mounting for Micro Switch (Mod. 428)				1	-	C.	
		1469 F.187876	Cable, emergency air valve operating				1	W.2	C.	NF.1
		4154 Aviation Dev.	Handle, release				1	-	C.	
		5282A								
		8133 F.214750	Pin, special (Mod. 428)				1	S.95	C.	
		1888 Mills GP.2	Pin, grooved				1	M.S.	C.	
		2846 F.178478	Shackle				1	S.510	MR/C	NF.1
		Pye 430	Switch-micro (Mod. 428)				1	-	A.	
		Std.1507/2/084	Tube, distance (Mod. 428)				1	-		4
		27QM/4117906 Dowty	Valve				1	-	A.	
		C.4076Y Mk. E								
		C.185642	VALVE, BRAKE RELAY CONTROL, ASSEMBLY				-	-		
		1477 F.192386	Fork, end				1	-	C.	NF.1
		27G/4617694 Dunlop	Lever, steering				1	-	C.	
		A.C.O.8011								
10	27G/4617745	1479 A.185645	Rdd, connecting				1	S.1	C.	NF.1
		Dunlop AC.12734	Valve, brake relay				1	-	A.	

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		1	2	3	4	5				
	B.193674	VALVE, UNDERCARRIAGE EMERGENCY AIR					-	-		
		RELEASE, ASSEMBLY								
	F.214687	Angle, mounting (Mod. 428)					1	L.72		
	F.214688	Angle, mounting (Mod. 428)					1	L.72		
1887	F.187877	Cable, air release control					1	-	C.	NF.1
-	B.215370	Cable, F.71 (See Cable Chart)					1	-	-	
4155	Aviation Dev. 5283	Handle, release					1	-	C.	
10	8132	Lever, limit switch (Mod. 428) (Pre Mod. 990)					1	S.510	C.	
10	10631	Lever, limit switch (Mod. 990)					1	S.510	C.	
	1888	Pin, grooved					1	M.S.	C.	
	B.204442	Plate, mounting					1	DTD.610		
10	2846	Shackle					1	S.510	MR/C	NF.1
10	5CW/4400328	Switch, limit (Mod. 428)					1	-	B.	
	C.1831Y Mk. 102C									
	Std.1507/2/096	Tube, distance (Mod. 428)					1	-		4
10	27QM/4117882	Valve, air release					1	-	A.	
	C.4076Y Mk. C									
10	27Q/4117728	Valve, thermal relief					1	-	B.	
	C.4603Y Mk. A									
10	27QM/4117952	Valve, shuttle					1	-	A.	
	C.4122Y Mk. E									
10	27QM/4117965	Valve, shuttle (Mod. 457)					1	-	A.	
	D.8680Y Mk. A									
10	27Q/4117448	Valve, nonreturn					2	-	B.	
	D.5220.Y									
10	27Q/4117446	Valve, nonreturn (Mod. 447)					2	-	B.	
	D.5213.Y									
	870	Washer, 4 B.A.					6	DTD.610	C.	4
	Std.915/B/18									





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R-Type Mk2
pressure breathing
mask

R-Type mask
used on Dominie
by RAF until 2011
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