

NOTE TO READERS

Existing Material Specification and End Fittings as shown in this chart are to be amended as follows:—

1. Material Specification. 3/16" o/d. pipes to be stainless steel to DTD.5016. All other sizes to be Tungum to DTD.323 or DTD.5019.
 2. End Fittings. On 3/16" o/d. pipes to DTD.5016, End "C" is to be replaced by End "L", and End "G" is to be replaced by End "J".
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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.187921/94	Air, accumulator to accumulator	1/4" o/d. x 22 S.W.G.	DTD.323	A-A
C.187924/7	Pressure, tee-piece to tee-piece	3/8" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.187924/8	Pressure, tee-piece to starboard wing break	3/8" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323	A-B
C.187924/9	Pressure, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A-A
C.187924/10	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	B-B
C.187924/11	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 4' 8" long.	DTD.323	A-B
C.187924/24	Pressure, bulkhead, union to self sealing coupling ..	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-A
C.187924/39	Return, tee-piece to tee-piece	1/2" o/d. x 20 S.W.G. x 1' 0" long.	DTD.323	A-A
C.187924/40	Return, tee-piece to starboard wing break	1/2" o/d. x 20 S.W.G. x 2' 6" long.	DTD.323	A-B
C.187924/41	Return, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-B
C.187924/42	Return, union to union	1/4" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	A-B
C.187924/43	Return, union to union	1/4" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	A-B
C.187924/47	Return, bulkhead union to self-sealing coupling ...	1/4" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	A-A
C.187924/57	Undercarriage "up," starboard wing break to ... tee-piece	3/8" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	B-A
C.187924/58	Undercarriage "up," tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-B
C.187924/63	Undercarriage "up," tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.187924/64	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	B-B
C.187924/65	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	A-B
C.187924/68	Undercarriage, "down," starboard wing break to ... union	3/8" o/d. x 22 S.W.G. x 3' 5" long.	DTD.323	B-B
C.187924/69	Undercarriage "down," union to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
C.187924/73	Undercarriage "down," tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-B

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.187924/74	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	A-B
C.187924/75	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 4' 3" long.	DTD.323	A-B
C.187924/78	Undercarriage air, union to union	3/16" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	B-G
C.187924/79	Undercarriage air, union to union	3/16" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	B-B
C.187924/80	Undercarriage air, union to starboard wing break ..	3/16" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	G-B
C.187924/82	Port wheel brake union to union	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	B-A
C.187924/83	Port wheel brake union to union	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	B-B
C.187924/84	Port wheel brake union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-A
C.187924/85	Port wheel brake union to port wing break	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	B-A
C.187924/87	Starboard wheel brake union to union	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	B-A
C.187924/88	Starboard wheel brake union to union	1/4" o/d. x 22 S.W.G. x 3' 9" long.	DTD.323	B-B
C.187924/89	Starboard wheel brake, union to starboard wing ... break	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-B
C.187924/90	Aileron power, port wing break to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	B-B
C.187924/91	Aileron power, union to starboard wing break	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	A-B
C.187924/93	Flap, air, union to union	3/16" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	B-G
C.187924/94	Flap, air, union to union	3/16" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	B-B
C.187924/95	Flap, air, union to union	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G-G
C.187924/96	Flap air, union to port wing break	3/16" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	B-B
C.187924/97	Wing, flap "up," port wing break to union	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	B-B
C.187924/101	Wing, flap "up," union to starboard wing break ...	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B
C.187924/102	Wing, flap "down," port wing break to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.187924/106	Wing, flap "down," union to starboard wing break	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	A-A
B.187926/1	Pressure, flexible hose to non-return valve	1/4" o/d. x 22 S.W.G. x 5' 4" long.	DTD.323	A-A
B.187926/2	Pressure, non-return valve to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-A
B.187926/4	Pressure, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
18 B.187926/6	Pressure, valve to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
18 B.187926/7	Pressure, tee-piece to flexible hose	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
18 B.187926/8	Return, flexible hose to non-return valve	1/4" o/d. x 22 S.W.G. x 7' 2" long.	DTD.323	A-A
18 B.187926/10	Return, tee-piece to valve	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
18 B.187926/11	Return, valve to flexible hose	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
18 B.187926/12	Return, tee-piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-G
B.187926/13	Return, thermal relief valve to tee-piece	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
B.187926/16	Tee-piece to charging connection	3/16" o/d. x 22 S.W.G. x 6-1/2" long.	DTD.323	G-G
B.187926/17	Tee-piece to pressure gauge	3/16" o/d. x 22 S.W.G. x 8" long.	DTD.323	G-G
B.187926/18	Charging accumulator to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	G-G
B.187926/19	Pressure tee-piece to charging accumulator	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
B.187926/21	Pressure, union to union	3/8" o/d. x 22 S.W.G. x 5' 6" long.	DTD.323	A-A
B.187926/22	Pressure, union to regulator valve	3/8" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	B-A
B.187926/23	Pressure, regulator valve to non-return valve	3/8" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A-A

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.187926/24	Pressure, non-return valve to tee-piece	3/8" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
B.187926/25	Pressure, tee-piece to lower selector valve	1/2" o/d. x 20 S.W.G. x 10" long.	DTD.323	A-A
B.187926/26	Pressure, tee-piece to upper selector valve	1/2" o/d. x 20 S.W.G. x 9-1/2" long.	DTD.323	A-A
B.187926/28	Return, union to 4 way piece	3/8" o/d. x 22 S.W.G. x 3' 5" long.	DTD.323	A-A
B.187926/29	Return, 4 way piece to upper selector valve	3/8" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
B.187926/30	Return, 4 way piece to lower selector valve	3/8" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
B.187926/31	Return, 4 way to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A-A
B.187926/32	Return, tee-piece to relief valve	3/8" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A-A
B.487926/33	Return, upper, selector valve to non-return valve ...	1/4" o/d. x 22 S.W.G. x 7-1/2" long.	DTD.323	A-A
B.187926/34	Return, thermal relief valve to tee-piece	3/16" o/d. x 22 S.W.G. x 2-3/16" long.	DTD.323	G-G
B.187926/35	Air brake "up", upper selector valve to 4 way piece	1/2" o/d. x 20 S.W.G. x 12" long.	DTD.323	A-A
B.187926/36	Air brake "up", 4 way piece to flexible hose	1/2" o/d. x 20 S.W.G. x 1/4" long.	DTD.323	A-A
B.187926/37	Air brake "up", 4 way to non-return valve	1/4" o/d. x 22 S.W.G. x 8" long.	DTD.323	A-A
B.187926/38	Air brake "up", 4 way to thermal return valve	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-G
B.187926/39	Air brake "down", lower selector valve to pressure relief valve	1/2" o/d. x 20 S.W.G. x 1' 2" long.	DTD.323	A-A
B.187926/40	Air brake "down", relief valve to tee-piece	1/2" o/d. x 20 S.W.G. x 12" long.	DTD.323	A-A
B.187926/41	Air brake "down", tee-piece to flexible hose	1/2" o/d. x 20 S.W.G. x 8" long.	DTD.323	A-A
B.187926/42	Air brake "down", tee-piece to pressure switch	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-G
B.187926/51	Pressure, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-A
B.187926/52	Return, non-return valve to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	A-A
B.187926/53	Pressure, non-return valve to filler (inlet)	1/4" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	A-A

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.187926/54	Pressure, filter (outlet) to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A-A
B.188908/1	Port pump to drain valve	5/16" o/d. x 22 S.W.G. x 1' 1" long.	DTD.253	A-F
B.188908/3	Port centre tank to drain valve	5/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.253	A-F
B.188908/4	Starboard centre tank to drain valve	5/16" o/d. x 22 S.W.G. x 6" long.	DTD.253	A-F
B.188908/5	Port relief valve to drain	1/4" o/d. x 20 S.W.G. x 5' 2" long.	T.9	Beaded- Beaded
B.188908/6	Starboard relief valve to drain	1/4" o/d. x 20 S.W.G. x 5' 7" long.	T.9	Beaded- Beaded
B.188908/7	Port pump drain	1/4" o/d. x 20 S.W.G. x 1' 6" long.	T.9	A-Plain
B.188908/8	Starboard pump drain	1/4" o/d. x 20 S.W.G. x 1' 0" long.	T.9	A-Plain
B.188908/10	Pressure switch balance pipe, port	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.253	C-Plain
B.188908/11	Pressure switch balance pipe, starboard	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.253	C-Plain
B.188908/12	Starboard pump to drain valve	5/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.253	A-F
C.189160/2	Pressure port wing, union to union	3/8" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323A	B-A
C.189160/12	Return, port wing, 4-way piece to thermal relief ... valve	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323A	A-B
18 C.189160/26	Undercarriage, "down", port wing break union to .. union	1/4" o/d. x 22 S.W.G. x 1' 6" long	DTD.323A	A-B
18 C.189160/28	Wheel brake, port wing break union to union	1/4" o/d. x 22 S.W.G. x 9" long	DTD.323	B-A
18 C.189160/29	Wheel brake, port wing, union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	B-A
C.189160/30	Wheel brake, port wing, union to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323A	B-A

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Issued with A/L No. 18**PIPING CHART**

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
18 C.189160/35	Power assisted aileron, port wing break, union to . . union	1/4" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A-A
18 C.189160/36	Power assisted aileron, port wing, union to union . .	1/4" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323A	B-B
C.189160/37	Power assisted aileron, port wing union to union . . .	1/4" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323A	A-A
C.189160/42	Flap up, port wing, flap control valve to tee-piece . .	3/8" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323A	A-A
C.189160/43	Flap up, port wing, tee-piece to fluid jettison valve .	3/8" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323A	A-A
18 C.189160/44	Flap up, port wing, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 5" long	DTD.323A	A-A
C.189160/45	Flap up, port wing, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323A	A-A
18 C.189160/46	Flap up, port wing, tee-piece to bleed adapter	1/4" o/d. x 22 S.W.G. x 8" long.	DTD.323A	A-A
C.189160/48	Flap up, port wing, tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323A	A-A
18 C.189160/49	Flap up, union to port wing break union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323A	B-A
18 C.189160/50	Flap up, port wing, tee-piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323A	G-G
C.189160/52	Flap down, port wing, pressure relief valve to shuttle valve	3/8" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323A	A-A
18 C.489160/53	Flap down, port wing, shuttle valve to throttling . . . valve	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323A	A-A
18 C.189160/58	Flap down, union to port wing break union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323A	B-B
18 C.189160/59	Flap air, port wing break union to union	3/16" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	G-G
18 C.189160/61	Flap air, port wing, union to union	3/46" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	B-G
C.189160/71	Undercarriage "up", union to restrictor valve	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323A	A-A
C.489160/79	Return, thermal relief valve to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323A	G-G
C.189160/83	Undercarriage "up", sequence valve to pressure regulator valve	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323A	A-A
C.189160/84	Undercarriage "up", pressure regulator valve to union (Pre Mod. 579)	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323A	A-B
C.189160/85	Undercarriage "up", union to union (Pre Mod. 579)	1/4" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323A	A-B

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189160/86	Aileron power assisted, union to union	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323A	B-B
C.189160/87	Aileron, power assisted, union to elbow	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323A	A-A
C.189160/88	Aileron power assisted, union to elbow	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323A	A-A
C.189160/89	Aileron power assisted, union to union	1/4" o/d. x 22 S.W.G. x 4' 3" long.	DTD.323A	B-B
C.189160/90	Aileron, power assisted, union to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323A	A-A
C.189160/91	Aileron power assisted, union to tee-piece	1/4" o/d. x 22 S.W.G. x 5' 2" long.	DTD.323A	B-A
C.189160/93	Return, flexible hose to union	1/4" o/d. x 22 S.W.G. x 5' 3" long.	DTD.323A	A-B
C.189160/94	Return, union to union	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323A	A-A
C.189160/95	Return, union to union	1/4" o/d. x 22 S.W.G. x 4' 1" long.	DTD.323A	B-B
C.189160/96	Return, union to union	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323A	A-A
C.189160/97	Return, union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-B
C.189160/98	Return, union to non-return valve	1/4" o/d. x 22 S.W.G. x 13" long.	DTD.323A	A-B
C.189160/99	Return, non-return valve to 4 way piece	1/4" o/d. x 22 S.W.G. x 11" long.	DTD.323A	A-A
C.189160/107	Flap down, tee-piece to throttling valve	1/4" o/d. x 22 S.W.G. x 11" long.	DTD.323A	A-A
C.189160/108	Flap down, bleed adapter to tee-piece	1/4" o/d. x 22 S.W.G. x 2-5/8" long.	DTD.323A	A-A
C.189160/110	Flap balance, tee-piece to jack "up" connection ...	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323A	A-A
C.189160/112	Flap balance, tee-piece to selector	3/16" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323A	G-G
C.189160/123	Flap balancing, union to flap down connection	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323A	B-A
C.189160/126	Flap balancing union to union	1/4" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323A	B-A
C.189160/127	Flap balancing, selector to union	3/16" o/d. x 22 S.W.G. x 4' 3-1/2" long.	DTD.323A	G-B
C.189160/128	Flap balancing, tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323A	A-B

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PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189160/142	Undercarriage "down," 4-way piece to under- carriage jack	1/4" o/d. x 22 S.W.G. x 3' 11" long.	DTD.323A	A-A
C.189160/147	Undercarriage "down," union to 4-way piece	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323A	A-A
C.189160/149	Undercarriage air, non-return valve to 4-way piece	3/16" o/d. x 22 S.W.G. x 6-1/2" long.	DTD.323A	G-G
C.189160/150	Undercarriage "down," 4-way piece to union	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323A	G-B
C.189160/151	Undercarriage, "down," union to jettison valve	3/16" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323A	G-A
C.189160/152	Undercarriage "up," tee-piece to thermal relief	3/16" o/d. x 22 S.W.G. x 4' 4" long.	DTD.323A	A-A
C.189160/155	Undercarriage "up," tee-piece to jettison valve	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-A
C.189160/156	Undercarriage "up," tee-piece to union (Pre Mod. 579)	1/4" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323A	A-B
C.189160/158	Pressure, elbow to union	3/8" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323	A-A
C.189160/159	Undercarriage air, pressure release valve to non- return valve	3/16" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323A	G-G
C.189160/160	Undercarriage air, pressure release valve to union	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323A	G-B
C.189160/161	Undercarriage air, union to union	3/16" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323A	G-B
C.189160/162	Undercarriage, air union to union (port wing break)	5/16" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	G-B
C.189160/163	Undercarriage "up," union to elbow	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-A
C.189160/165	Flap air, union to union	3/16" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323A	G-B
C.189160/166	Return, port wing break to tee-piece	3/8" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	B-A
C.189160/167	Flap "down," union to union	1/4" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323A	A-A
C.189160/168	Undercarriage "up," jettison valve to tee-piece	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323A	A-A
C.189160/169	Flap "down," bleed adaptor to flap jack	3/16" o/d. x 22 S.W.G. x 4' 10" long.	DTD.323A	G-G
C.189160/170	Flap "up," bleed adaptor to flap jack	3/16" o/d. x 22 S.W.G. x 4' 8" long.	DTD.323A	G-G
C.189160/171	Pressure, union to flap control valve	3/8" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323A	A-B

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189160/182	Flap, air, jettison valve to union	3/8" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323A	A-A
C.189160/183	Flap, air, union to atmosphere	3/8" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323A	B-Plain
C.189160/184	Undercarriage "up," restrictor valve to under- carriage jack	1/4" o/d. x 22 S.W.G. x 4' 5" long.	DTD.323A	A-A
C.189160/193	Flap "down," flap control valve to pressure, relief ..	3/8" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323A	A-A
C.189160/194	Flap, air, port wing, union to fluid jettison valve ...	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323A	G-G
C.189160/196	Flap, balance, wing brake union to union	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323A	B-A
C.189160/197	Flap "down," tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323A	A-B
C.189160/198	Flap, balance, port wing brake, union to tee-piece ..	1/4" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323A	A-A
C.189160/199	Flap, balance, union to port wing brake	3/16" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323A	G-B
C.189160/200	Undercarriage, "up," tee-piece to sequence valve ...	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323A	A-A
C.189160/201	Undercarriage "up," union to elbow at port wing .. break	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-A
C.189160/202	Undercarriage "up," union to port wing break	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323A	B-B
C.189160/214	Return, port wing, tee-piece to tee-piece	3/8" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-A
C.189160/215	Return, tee-piece to flap pressure relief valve	3/8" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323A	A-A
C.189160/216	Return, tee-piece to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323A	A-A
C.189160/217	Return, tee-piece to flap selector valve	3/8" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	A-A
C.189160/218	Return, tee-piece to 4 way piece	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323A	A-A
C.189160/220	Wheel brake, leg pivot (B) to adapter	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323A	G-G
C.189160/221	Recuperator, leg pivot (C) to union	3/16" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323A	G-G
C.189160/222	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323A	B-B
C.189160/223	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323A	G-B

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189160/224	Wheel brake, leg pivot (A) to 4-way piece	3/16" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323A	G—G
C.189160/229	Flap, air, fluid jettison valve to shuttle valve	3/16" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323A	G—G
C.189160/231	Undercarriage "up", pressure regulator to union . . .	1/4" o/d. x 22 S.W.G. x 11" long.	DTD.323A	A—B
C.189160/232	Undercarriage "up", union to union	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323A	A—B
C.189160/233	Pressure, union to pressure regulator valve	3/8" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323A	B—A
C.189160/234	Pressure, regulator valve to union	3/8" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323A	A—A
C.189160/238	Undercarriage "up", tee-piece to union	1/4" o/d. x 22 S.W.G.	DTD.323A	A—B
C.189161/1	Pressure, starboard wing break to union	3/8" o/d. x 22 S.W.G. x 9" long.	DTD.323	A—A
C.189161/2	Pressure, starboard wing union to union	3/8" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	B—B
C.189161/3	Pressure, starboard wing, union to pressure regulator valve	3/8" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A—A
C.189161/4	Pressure, starboard wing, pressure regulator valve . . undercarriage control valve	3/8" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A—A
C.189161/5	Pressure, starboard wing, pressure regulator valve to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A—B
C.189161/12	Return, starboard wing break to tee-piece	1/2" o/d. x 20 S.W.G. x 2' 0" long.	DTD.323	A—A
18 C.189161/13	Return, starboard wing, tee-piece to tee-piece	1/2" o/d. x 20 S.W.G. x 11" long.	DTD.323	A—A
C.189161/14	Return, starboard wing, tee-piece to under- carriage control valve	1/2" o/d. x 20 S.W.G. x 1' 11" long.	DTD.323	A—A
C.189161/16	Return, starboard wing, tee-piece to thermal relief .			

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/21	Return, starboard wing, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 5" long.	DTD.323	A-A
C.189161/22	Return, starboard wing, tee-piece to aileron control valve	1/4" o/d. x 22 S.W.G. x 5" long.	DTD.323	A-A
C.189161/29	Undercarriage "up", starboard wing, under- carriage control valve to 4-way piece	3/8" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.189161/31	Undercarriage, "up", starboard wing, 4-way piece . . to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
18 C.189161/32	Undercarriage "up", starboard wing, tee-piece to . . union	3/8" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-B
18 C.189161/33	Undercarriage "up", union to starboard wing break	3/8" o/d. x 22 S.W.G. x 11" long.	DTD.323	A-A
18 C.189161/34	Undercarriage "up", starboard wing, 4-way piece . . to tee-piece	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
C.189161/40	Undercarriage "up", union to starboard wing break	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A-A
18 C.189161/47	Undercarriage "down", starboard wing, shuttle valve to union	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A-B
18 C.189161/48	Undercarriage "down", union to starboard wing . . . break	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	A-B
18 C.189161/52	Undercarriage "down", starboard wing, union to . . union	3/8" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	B-B
18 C.189161/53	Undercarriage "down", union to starboard wing break	3/8" o/d. x 22 S.W.G. x 8" long.	DTD.323	A-A
18 C.189161/54	Undercarriage "down", starboard wing, tee-piece . . to thermal relief valve	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	G-G
18 C.189161/59	Wheel brake, starboard wing break to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B
C.189161/72	Flap up, starboard wing break to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
C.189161/73	Flap up, starboard wing, union to bleed adapter . . .	1/4" o/d. x 22 S.W.G. x 3' 8" long.	DTD.323	B-A
18 C.189161/75	Flap down, starboard wing break to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	B-A
C.189161/76	Flap down, starboard wing, union to bleed adapter .	1/4" o/d. x 22 S.W.G. x 3' 9" long.	DTD.323	B-A
C.189161/80	Flap balance, starboard wing break, union to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	B-B
C.189161/90	Undercarriage air tee-piece to starboard wing break	3/16" o/d. x 22 S.W.G. x 2-3/16" long.	DTD.323	G-G
C.189161/97	Undercarriage "up", tee-piece to restrictor valve . . .	1/4" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.323	A-A

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/98	Undercarriage "up," tee-piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	G-G
C.189161/99	Return, thermal relief valve to tee-piece	3/4" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	G-G
C.189161/100	Return, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 2-5/16" long.	DTD.323	A-A
C.189161/101	Return, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 10-1/2" long.	DTD.323	A-A
C.189161/103	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B
C.189161/104	Undercarriage "up," sequence valve to pressure regulator valve	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A-A
C.189161/105	Undercarriage "up," pressure regulator valve to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.233	A-A
C.189161/106	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	B-B
C.189161/107	Aileron, power assisted, tee-piece to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-A
C.189161/108	Aileron, power assisted, union to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	B-A
C.189161/109	Aileron, power assisted, union to union	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	B-A
C.189161/110	Aileron, power assisted, union to union	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	B-B
C.189161/111	Aileron, power assisted, union to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
C.189161/112	Aileron, power assisted, union to tee-piece	1/4" o/d. x 22 S.W.G. x 5' 2" long.	DTD.323	B-A
C.189161/114	Return, flexible hose to union	1/4" o/d. x 22 S.W.G. x 5' 1" long.	DTD.323	A-B
C.189161/115	Return, union to union	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-A
C.189161/116	Return, union to union	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	B-B
C.189161/117	Return, union to union	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	A-A
C.189161/118	Return, union to union	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	B-B
C.189161/119	Return, union to union	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A-A
C.189161/124	Pressure, tee-piece to accumulator	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	A-A

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/126	Flap balance, tee-piece to jack up connection	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-A
C.189161/127	Flap balance, tee-piece to selector	3/16" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	G-G
C.189161/138	Flap balance, union to flap down connection	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	B-A
C.189161/139	Flap balance, union to union	1/4" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323	A-A
C.189161/140	Flap balance, selector to union	3/16" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	G-G
C.189161/141	Flap balance, tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 5" long.	DTD.323	A-A
C.189161/153	Undercarriage air, non-return valve to 4-way piece	3/16" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	G-G
C.189161/154	Undercarriage down, undercarriage, jack to 4-way piece	1/4" o/d. x 22 S.W.G. x 4' 10" long.	DTD.323	A-A
C.189161/164	Undercarriage "up," tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 8" long.	DTD.323	A-A
C.189161/165	Undercarriage "up," tee-piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
C.189161/167	Undercarriage "up," tee-piece to union	1/4" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	A-B
C.189161/169	Undercarriage "up," jettison valve to tee-piece	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	A-A
C.189161/170	Undercarriage "down," union to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	B-A
C.189161/171	Undercarriage "down," starboard wing break to union	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	B-A
C.189161/174	Undercarriage "down," tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-B
C.189161/175	Undercarriage "down," union to starboard wing break	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-B
C.189161/176	Undercarriage "down," 4-way piece to union	3/16" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	G-B
C.189161/179	Power assisted aileron, aileron control valve to tee-piece	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.189161/181	Undercarriage "up," tee-piece to sequence valve	1/4" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	A-A
C.189161/182	Undercarriage, air, union to pressure relief valve	3/16" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	G-G
C.189161/183	Undercarriage air, non-return valve to pressure release valve	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	G-G

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/185	Flap "up," bleed adapter to flap jack	1/4" o/d. x 22 S.W.G. x 5' 2" long.	DTD.323	A-A
C.189161/186	Flap "down," bleed adapter to flap jack	1/4" o/d. x 22 S.W.G. x 4' 8" long.	DTD.323	A-A
C.189161/188	Pressure, tee-piece to aileron control valve	1/4" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.189161/189	Undercarriage air, starboard wing break to union . .	3/16" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	G-B
C.189161/190	Undercarriage air, tee-piece to tee-piece	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-G
C.189161/191	Undercarriage "up," resistor valve to under- carriage jack	1/4" o/d. x 22 S.W.G. x 4' 5" long.	DTD.323	A-A
C.189161/213	Undercarriage down, undercarriage control valve . . . to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	A-A
C.189161/214	Undercarriage "down," tee-piece to shuttle valve . .	3/8" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A-A
C.189161/215	Undercarriage "down," starboard wing, shuttle valve to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.189161/216	Undercarriage "down," tee-piece to union	3/8" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-A
C.189161/217	Power assisted aileron, union to starboard wing break	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	B-A
C.189161/218	Undercarriage air, union to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	B-G
C.189161/220	Flap balance, union to tee-piece (starboard wing . . . break)	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-A
C.189161/221	Flap, balance, union to wing break	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	B-B
C.189161/230	Pressure, tee-piece to tee-piece	1/4" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.189161/231	Pressure, starboard wing, tee-piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-G
C.189161/232	Return, starboard wing, tee-piece to 4-way piece . . .	1/4" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.189161/234	Return, starboard wing, non-return valve to 4-way piece	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
C.189161/236	Undercarriage "up," union to jettison valve	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-A
C.189161/244	Air charging, accumulator to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	G-G
C.189161/245	Air charging, tee-piece to charging connection	3/16" o/d. x 22 S.W.G. x 10-1/2" long.	DTD.323	G-G

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/246	Air charging, tee-piece to pressure gauge	3/16" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A-E
C.189161/247	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	G-B
C.189161/248	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323	G-B
C.189161/249	Recuperator, union to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	G-G
C.189161/250	Recuperator, tee-piece to leg pivot connection (C) .	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G-G
C.189161/251	Recuperator, tee-piece to pressure reducing valve ..	3/16" o/d. x 22 S.W.G. x 2-1/2" long.	DTD.323	G-G
C.189161/252	Recuperator, pressure regulating valve to tee-piece	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G-G
C.189161/253	Pressure, union to tee-piece	1/4" o/d. x 22 S.W.G. x 11-1/2" long.	DTD.323	A-A
C.189161/254	Pressure, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A-A
C.189161/255	Wheel brake, leg pivot connection (A) to	3/16" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	G-G
C.189161/256	Wheel brake, adapter to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-A
C.189161/257	Return, leg pivot connection (B) to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-G
C.189161/259	Recuperator, tee-piece to pressure regulating	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.323	G-G
C.189161/267	Pressure, non-return valve to filter (inlet)	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
C.189161/268	Pressure, filter (outlet) to tee-piece	1/4" o/d. x 22 S.W.G. x 4-1/2" long.	DTD.323	A-A
C.189161/273	Return, 4-way piece to tee-piece	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	G-G
C.189161/274	Undercarriage "up," 4-way piece to union	3/8" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	A-A
C.189161/275	Undercarriage "up," union to jettison valve	3/8" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	A-B
C.189161/276	Oil jettison, jettison valve to atmosphere	3/8" o/d. x 22 S.W.G. x 1' 6-1/2" long.	DTD.323	A-Plain
C.189161/277	Undercarriage air, union to union	3/16" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323	G-B
C.189161/278	Undercarriage, air, union to jettison valve	3/16" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	G-G

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.189161/279	Undercarriage air, jettison valve to shuttle valve ...	3/16" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	G—G
C.189161/280	Return, 4-way piece to non-return valve	1/4" o/d. x 22 S.W.G. x 10-1/2" long.	DTD.323	A—A
C.189161/281	Undercarriage "down," sequence valve to union ...	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	G—G
C.189161/297	Aileron, pressure, 4-way piece to pressure S.W.	3/16" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A—A
C.189161/298	Aileron, pressure, 4-way piece to union	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A—A
B.190252/4	From bulkhead union in top skin to bulkhead union at frame 18	1/4" o/d. x 22 S.W.G. x 5' 0" long.	DTD.253	A—A
B.190252/5	For pre-cooler drain	3/8" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	A—A
B.190252/7	From connection to bulkhead union at frame 18 ...	1/4" o/d. x 22 S.W.G. x 5' 6" long.	DTD.253	A—B
B.190252/8	For inner cooler drain	3/8" o/d. x 22 S.W.G. x 3' 0" long.	DTD.253	A—A
B.196210/1	Pressure, joint to joint	5/16" o/d. x 22 S.W.G. x 1' 8" long.	L.54 or T.9	Plain
B.196210/2	Static, joint to joint	5/16" o/d. x 22 S.W.G. x 2' 0" long.	L.54 or T.9	Plain
B.196210/3	Pressure, joint to tee-piece	5/16" o/d. x 22 S.W.G. x 1' 1" long.	L.54 or T.9	Plain
B.196210/4	Static, joint to tee-piece	5/16" o/d. x 22 S.W.G. x 10" long.	L.54 or T.9	Plain
B.196210/7	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 3' 1" long.	L.54 or T.9	Plain

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.196210/8	Pressure, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 3' 7" long.	L.54 or T.9	Plain
B.196210/13	Pressure, joint to joint	5/16" o/d. x 22 S.W.G. x 2' 11" long.	L.54 or T.9	Plain
B.196210/14	Static, joint to joint	5/16" o/d. x 22 S.W.G. x 2' 6" long.	L.54 or T.9	Plain
B.196210/17	Pressure, tee-piece to joint	5/16" o/d. x 22 S.W.G. x 2' 10" long.	L.54 or T.9	Plain
B.196210/18	Static, tee-piece to joint	5/16" o/d. x 22 S.W.G. x 2' 3" long.	L.54 or T.9	Plain
B.196210/19	Pressure, joint to joint	5/16" o/d. x 22 S.W.G. x 2' 5" long.	L.54 or T.9	Plain
B.196210/20	Static, joint to joint	5/16" o/d. x 22 S.W.G. x 2' 5" long.	L.54 or T.9	Plain
18 A.196449/1	Pressure, union to elbow	5/16" o/d. x 22 S.W.G. x 8" long.	L.54 or Std.1741 Altv.	Plain
18 A.196449/2	Static, union to elbow	5/16" o/d. x 22 S.W.G. x 11" long.	L.54 or Std.1741 Altv.	Plain
18 A.196449/3	Pressure, elbow to union	5/16" o/d. x 22 S.W.G. x 2' 0" long.	L.54 or Std.1741 Altv.	Plain
18 A.196449/4	Static, elbow to union	5/16" o/d. x 22 S.W.G. x 1' 9" long.	L.54 or Std.1741 Altv.	Plain
18 A.196449/5	Pressure, union to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 0" long.	L.54 or Std.1741 Altv.	Plain
18 A.196449/6	Static, union to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 1" long.	L.54 or Std.1741 Altv.	Plain
A.196449/15	Pressure, tee-piece to union	5/16" o/d. x 22 S.W.G. x 2' 4" long.	L.54 or Std.1741 Altv.	Plain
A.196449/16	Static, tee-piece to union	5/16" o/d. x 22 S.W.G. x 2' 4" long.	L.54 or Std.1741 Altv.	Plain
A.196449/17	Pressure, union to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 0" long.	L.54 or Std.1741 Altv.	Plain
A.196449/18	Static, union to tee-piece	5/16" o/d. x 22 S.W.G. x 1' 10" long.	L.54 or Std.1741 Altv.	Plain
A.196449/19	Pressure, tee-piece to elbow	5/16" o/d. x 22 S.W.G. x 10" long.	L.54 or Std.1741 Altv.	Plain
A.196449/20	Static, tee-piece to elbow	5/16" o/d. x 22 S.W.G. x 10" long.	L.54 or Std.1741 Altv.	Plain

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
A.196449/21	Pressure, elbow to elbow	5/16" o/d. x 22 S.W.G. x 4' 0" long	L.54 or Std.1741 Altv.	Plain
A.196449/22	Static, elbow to elbow	5/16" o/d. x 22 S.W.G. x 4' 3" long.	L.54 or Std.1741 Altv.	Plain
A.196449/23	Pressure, elbow to elbow	3/16" o/d. x 22 S.W.G. x 1' 1" long.	L.54 or Std.1741 Altv.	Plain
A.196449/24	Static, elbow to elbow	3/16" o/d. x 22 S.W.G. x 1' 1" long.	L.54 or Std.1741 Altv.	Plain
A.196449/25	Pressure, elbow to union	5/16" o/d. x 22 S.W.G. x 5' 1" long.	L.54 or T.9	Plain
A.196449/26	Static, elbow to union	5/16" o/d. x 22 S.W.G. x 4' 11" long.	L.54 or T.9	Plain
A.196449/27	Pressure, union to union	5/16" o/d. x 22 S.W.G. x 10" long.	L.54 or T.9	Plain
A.196449/28	Static, union to union	5/16" o/d. x 22 S.W.G. x 1' 1" long.	L.54 or T.9	Plain
18 A.196449/29	Pressure, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 8" long.	L.54 or Std.1741 Altv.	Plain
A.196449/30	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 4" long.	L.54 or Std.1741 Altv.	Plain
A.196449/31	Pressure, tee-piece to pressure head	5/16" o/d. x 22 S.W.G. x 8-1/2" long.	L.54 or T.9	Plain
A.196449/32	Static, tee-piece to static head	5/16" o/d. x 22 S.W.G. x 9" long.	L.54 or T.9	Plain
C.198764/1	Pressure, engine driven pump to tee-piece	1/2" o/d. x 20 S.W.G. x 5" long.	DTD.323	A-A
C.198764/3	Pressure, tee-piece to E.P. non-return valve	1/2" o/d. x 20 S.W.G. x 1' 4" long.	DTD.323	A-A
C.198764/4	Pressure, E.P. non-return valve to tee-piece	1/2" o/d. x 20 S.W.G. x 5" long.	DTD.323	A-A
C.198764/5	Pressure, tee-piece to tee-piece	1/2" o/d. x 20 S.W.G. x 3' 8" long.	DTD.323	A-A
C.198764/9	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.198764/10	Pressure, union to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	B-A
C.198764/11	Pressure, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 4" long.	DTD.323	A-A
C.198764/12	Pressure, non-return valve to tee-piece	1/4" o/d. x 22 S.W.G. x 3" long.	DTD.323	A-A
C.198764/15	Pressure, tee-piece to hand pump pressure relief valve	1/4" o/d. x 22 S.W.G. x 5" long.	DTD.323	A-A
C.198764/16	Pressure, tee-piece to bulkhead union	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-A
C.198764/24	Suction, tee-piece to hand pump pressure relief	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
C.198764/29	Return, tee-piece to tee-piece	1/2" o/d. x 22 S.W.G. x 4' 4" long.	DTD.323	A-A
C.198764/31	Return, union to bulkhead union	1/4" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	A-A
C.198764/32	Return, tee-piece to 4-way piece	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	G-G
C.198764/33	Return, 4-way piece to pressure reducing valve	3/16" o/d. x 22 S.W.G. x 8" long.	DTD.323	G-G
C.198764/34	Return, 4-way piece to lower pressure relief valve ..	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	G-G
C.198764/35	Return, 4-way piece to upper pressure relief valve ..	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
C.198764/36	Return, 4-way piece to engine driven pump	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A-A
C.198764/38	Wing flap "up," union to union	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-B
C.198764/39	Wing flap "up," union to union	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A-B
C.198764/40	Wing flap "up," union to union	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A-B
C.198764/41	Wing flap "down," union to union	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A-B
C.198764/42	Wing flap "down," union to union	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A-B
C.198764/43	Wing flap "down," union to union	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-B
C.198764/44	Flap interconnection, pressure reducing valve to tee-piece	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-G
C.198764/46	Flap interconnection, non-return valve to 4-way piece	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.323	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.198764/47	Flap interconnection, 4-way piece to starboard wing break	1/4" o/d. x 22 S.W.G. x 13" long.	DTD.323	A-A
C.198764/48	Flap interconnection, 4-way piece to union	1/4" o/d. x 22 S.W.G. x 3' 8" long.	DTD.323	A-A
C.198764/49	Flap interconnection, union to port wing break . . .	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	B-A
C.198764/50	Flap interconnection, tee-piece to non-return valve .	3/16" o/d. x 22 S.W.G. x 5" long.	DTD.323	G-G
C.198764/51	Flap interconnection, non-return valve to 4-way . . . piece	3/16" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	G-G
C.198764/52	Flap interconnection, 4-way piece to starboard wing break	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
C.198764/53	Flap interconnection, 4-way piece to union	1/4" o/d. x 22 S.W.G. x 4' 3" long.	DTD.323	A-A
C.198764/54	Flap interconnection, union to port wing break	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	B-A
C.198764/55	Flap interconnection, 4-way piece to lower pressure relief valve	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-G
C.198764/56	Flap interconnection, 4-way piece to upper pressure relief valve	3/16" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	G-G
C.198764/67	Tee-piece to union	3/16" o/d. x 22 S.W.G. x 3' 8" long.	DTD.323	G-G
C.198764/68	Tee-piece to starboard wing break	3/16" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	G-G
C.198764/69	Tee-piece to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	G-G
C.198764/72	Tee-piece to tee-piece	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
C.198764/73	Tee-piece to non-return valve	3/16" o/d. x 22 S.W.G. x 3" long.	DTD.323	G-G
C.198764/74	Union to port wing break	3/16" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	B-G
C.198764/75	Pressure, union to hand pump	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	B-A
C.198764/82	Pressure, tee-piece to 4-way piece	3/8" o/d. x 20 S.W.G. x 1' 2" long.	DTD.323	A-A
C.198764/83	Pressure, 4-way piece to union	3/8" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A-B
C.198764/84	Pressure, union to union	3/8" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	A-A
C.198764/85	Pressure, 4-way piece to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.198764/86	Pressure, 4-way piece to pressure reducing valve . . .	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.323	G—G
C.198764/88	Return, tee-piece to 4-way piece	1/2" o/d. x 20 S.W.G. x 2' 5" long.	DTD.323	A—A
C.198764/91	Union to restrictor union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A—B
C.198764/92	Restrictor union to starboard fairing door jack . . . "down"	1/4" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	A—A
C.198764/93	Undercarriage "up," sequence valve to union	1/4" o/d. x 22 S.W.G. x 1' 1" long.	DTD.323	A—A
C.198764/94	Undercarriage "down," sequence valve to union . . .	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A—A
C.198764/95	Undercarriage "up," union to fairing door jack	1/4" o/d. x 22 S.W.G. x 4' 5" long.	DTD.323	B—A
C.198764/96	Return, tee-piece to port wing break	3/8" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323	A—A
C.198764/97	Pressure, tee-piece to union	3/8" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A—B
C.198764/98	Pressure, union to union, port wing break	3/8" o/d. x 22 S.W.G. x 3' 8" long.	DTD.323	A—A
C.198764/99	Undercarriage "up," union to union, port wing . . . break	1/4" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	A—A
C.198764/100	Undercarriage "down," tee-piece to tee-piece	3/8" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	A—A
C.198764/101	Undercarriage air, union to port wing break	3/16" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	G—G
C.198764/102	Undercarriage air, union to starboard wing break . .	3/16" o/d. x 22 S.W.G. x 4' 2" long.	DTD.323	B—G
C.198764/103	Restrictor union to port fairing door jack "down" .	1/4" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	B—A
C.198764/104	Tee-piece to restrictor union	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A—A
C.198764/105	Undercarriage "down," tee-piece to sequence valve	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A—A
C.198764/106	Undercarriage "down," union to sequence valve . . .	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	B—A
C.198764/107	Undercarriage "up," union to fairing door jack	1/4" o/d. x 22 S.W.G. x 4' 7" long.	DTD.323	A—A
C.198764/108	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	B—B
C.198764/109	Recuperator, union to union	3/16" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323	G—G

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.198764/132	Pressure, tee-piece to external supply valve	1/2" o/d. x 20 S.W.G. x 4" long.	DTD.323	A-C
C.198764/134	Return, 4-way piece to external supply valve	3/8" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.198764/135	Return, 4-way piece to tee-piece	1/2" o/d. x 20 S.W.G. x 16" long.	DTD.323	A-A
C.198764/137	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A-B
C.198764/138	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	B-B
C.198764/139	Pressure, union to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-A
C.198764/145	Undercarriage "down," tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	A-B
C.198764/146	Return, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-B
C.198764/151	Return, reservoir to tee-piece	1/2" o/d. x 20 S.W.G. x 1' 10" long.	DTD.323	A-A
C.198764/152	Return, tee-piece to union	3/8" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323	A-A
C.198764/153	Return, union to union	3/8" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	B-A
C.198764/156	Suction, filter to tee-piece	3/8" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A-A
C.198764/157	Suction, tee-piece to hand pump	3/8" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-A
C.198764/158	Return, reservoir to union	1/4" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	A-B
C.198764/159	Relief, reservoir to atmosphere	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-Plain
C.198764/160	Pressure, tee-piece to union	1/4" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A-A
C.198764/161	Pressure, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	A-A

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
A.198842/1	Greaser, port, inner	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.253	H-G
A.198842/2	Greaser, starboard, inner	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.253	H-G
A.198842/3	Greaser, port, outer	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.253	H-G
A.198842/4	Greaser, starboard, outer	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.253	H-G
A.199665	Drain, engine, oil filter	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.253	A-Plain
B.201042/11	Balance, pressure reducing valve to tee-piece, port	3/8" o/d. x 22 S.W.G. x 2' 9" long.	DTD.253	A-A
B.201042/12	Balance, pressure reducing valve to tee-piece, starboard	3/8" o/d. x 22 S.W.G. x 1' 4" long.	DTD.253	A-A
B.201042/13	Drain, tee-piece to boss	3/8" o/d. x 22 S.W.G. x 11" long.	DTD.253	A-A
B.201059/1	Balance, pressure relief valve to tee-piece, port	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	A-A
B.201059/2	Balance, pressure relief valve to tee-piece, starboard	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.253	A-A
B.201059/3	Balance, tee-piece to re-fuelling branch pipe	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.253	A-A

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
F.204752/1	Greaser, port	3/16" o/d. x 22 S.W.G. x 1' 11" long.	DTD.253	H-G
F.204752/2	Greaser, starboard	3/16" o/d. x 22 S.W.G. x 1' 11" long.	DTD.253	H-G
C.211689/1	Pressure, transport joint to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	A-B
C.211689/2	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	A-B
C.211689/5	Pressure, union to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-A
C.211689/6	Pressure, tee-piece to union	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	A-B
C.211689/7	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B
C.211689/8	Pressure, union to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-A
C.211689/9	Pressure, union to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 5" long.	DTD.323	B-A
C.211689/13	Pressure, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 3-1/2" long.	DTD.323	A-A
C.211689/14	Pressure, non-return valve to 4-way piece	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.211689/15	Pressure, 4-way piece to brake relay unit	1/4" o/d. x 22 S.W.G. x 14" long.	DTD.323	A-A
C.211689/16	Return, transport joint to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.211689/17	Return, union to union	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-B
C.211689/18	Return, union to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	A-A
C.211689/19	Return, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-B
C.211689/20	Return, union to union	1/4" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	A-B

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/22	Return, union to union	1/4" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323	A-B
C.211689/23	Return, union to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	A-A
C.211689/24	Return, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.211689/25	Return, non-return valve to brake relay valve	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.211689/27	Return, thermal relief valve to 4-way piece	3/16" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	G-G
C.211689/28	Return, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.211689/29	Pressure, tee-piece to non-return valve	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
C.211689/30	Starboard brake, transport joint to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.221689/31	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	A-B
C.211689/32	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-B
C.211689/33	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-B
C.211689/34	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323	A-B
C.211689/35	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.211689/36	Starboard brake, union to union	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A-A
C.211689/37	Starboard brake, union to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 5" long.	DTD.323	B-A
C.211689/38	Starboard brake, tee-piece to brake relay valve	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
C.211689/40	Starboard brake, fuselage relay valve to bulkhead union	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	C-G
C.211689/41	Port brake, transport joint to union	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	A-B
C.211689/42	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 3' 1" long.	DTD.323	A-B
C.211689/43	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323	A-B
C.211689/44	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-B

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/45	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 3' 9" long.	DTD.323	A-B
C.211689/46	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	A-B
C.211689/47	Port brake, union to union	1/4" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323	A-B
C.211689/49	Port brake, tee-piece to brake relay valve	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.211689/50	Tee-piece to brake relay valve	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	G-C
C.211689/51	Port brake, pressure relief valve to bulkhead union	3/16" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	C-G
C.211689/52	Undercarriage "up," transport joint to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.211689/53	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A-B
C.211689/54	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	A-B
C.211689/55	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-B
C.211689/56	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 3' 11" long.	DTD.323	A-B
C.211689/57	Undercarriage "up," union to union	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A-B
C.211689/58	Undercarriage "up," union to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A-A
C.211689/60	Undercarriage "up," restrictor valve to nosewheel jack	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	G-G
C.211689/61	Undercarriage "up," tee-piece to union	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	G-B
C.211689/62	Undercarriage "up," union to sequence valve	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-G
C.211689/63	Undercarriage "up," sequence valve to union	3/16" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	G-B
C.211689/66	Undercarriage "down," transport joint to union ...	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-B
C.211689/67	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A-B

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/68	Undercarriage "down," union to nose under-carriage shuttle valve	1/4" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	A-A
C.211689/69	Undercarriage "down," shuttle valve to union	1/4" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	A-B
C.211689/70	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-B
C.211689/71	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 3' 7" long.	DTD.323	A-B
C.211689/72	Undercarriage "down," union to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.211689/73	Undercarriage "down," union to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A-A
C.211689/74	Undercarriage "down," tee-piece to nose wheel jack	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G-G
C.211689/75	Undercarriage "down," tee-piece to union	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-B
C.211689/76	Undercarriage "down," union to union	3/16" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	G-B
C.211689/77	Undercarriage "down," union to union	3/16" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	G-B
C.211689/80	Pressure, 4-way piece to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 11" long.	DTD.323	A-A
C.211689/81	Pressure, tee-piece to brake accumulator	1/4" o/d. x 22 S.W.G. x 3" long.	DTD.323	A-A
C.211689/82	Pressure, tee-piece to brake accumulator	1/4" o/d. x 22 S.W.G. x 7-1/2" long.	DTD.323	A-A
C.211689/84	Brake air, changing accumulator to bulkhead union	3/16" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	G-G
C.211689/85	Undercarriage emergency air, transport joint to union	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	G-B
C.211689/86	Undercarriage emergency air, union to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	G-G
C.211689/87	Undercarriage emergency air, tee-piece to bulkhead union	3/16" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	G-G
C.211689/88	Undercarriage emergency air, tee-piece to union	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G-B
C.211689/89	Undercarriage emergency air, union to nose undercarriage shuttle valve	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	G-G
C.211689/90	Flap emergency air, transport joint to union	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	G-B
C.211689/91	Flap emergency air, union to union	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	G-B

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/92	Flap emergency air, union to bulkhead connection .	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	G—G
C.211689/93	Pressure, non-return valve to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A—A
C.211689/95	Pressure, tee-piece to hood selector valve	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A—A
C.211689/96	Return, non-return valve to tee-piece	1/4" o/d. x 22 S.W.G. x 8" long.	DTD.323	A—A
C.211689/97	Return, tee-piece to 4-way piece	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.323	A—A
C.211689/98	Return, 4-way piece to hood selector valve	1/4" o/d. x 22 S.W.G. x 10" long.	DTD.323	A—A
C.211689/102	Hood open, 4-way piece to sequence valve	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	G—G
C.211689/103	Hood open, 4-way piece to selector valve	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A—A
C.211689/107	Hood closed, selector valve to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A—A
C.211689/108	Hood open, sequence valve to restrictor valve	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	G—G
C.211689/122	Hood air changing, accumulator to union	3/16" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323	G—G
C.211689/123	Hood air changing, union to union	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	B—G
C.211689/124	Hood air changing, union to union	3/16" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	B—G
C.211689/125	Hood air changing, union to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	B—G
C.211689/126	Hood air changing, tee-piece to pressure gauge	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	G—C
C.211689/127	Hood air changing, tee-piece to changing connection	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	G—G
C.211689/129	Emergency air changing, changing connection to . . . union	3/16" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	G—G
C.211689/130	Emergency air changing, union to bulkhead connection	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	B—G
C.211689/131	Emergency air changing, bulkhead connection to . . 4-way piece	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	G—G
C.211689/132	Emergency air changing, 4-way piece to non- return valve	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	G—G
C.211689/133	Emergency air changing, non-return valve to undercarriage air bottle	3/16" o/d. x 22 S.W.G. x 5" long.	DTD.323	G—G

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/134	Emergency air charging, 4-way piece to non- return valve	3/16" o/d. x 22 S.W.G. x 5" long.	DTD.323	G—G
C.211689/135	Emergency air charging, non-return valve to flap . . . air bottle	3/16" o/d. x 22 S.W.G. x 8" long.	DTD.323	G—G
C.211689/136	Flap, air, air bottle to union	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G—B
C.211689/137	Flap air, union to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G—G
C.211689/138	Flap air, tee-piece to gauge	3/16" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	G—C
C.211689/139	Undercarriage air, tee-piece to gauge	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	G—C
C.211689/140	Undercarriage air, tee-piece to air bottle	3/16" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	G—G
C.211689/141	Undercarriage air, bulkhead connection to union . . .	3/16" o/d. x 22 S.W.G. x 2' 9" long.	DTD.323	G—B
C.211689/142	Undercarriage air, union to undercarriage emergency air valve	3/16" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323	G—G
C.211689/143	Undercarriage air, tee-piece to undercarriage emergency air valve	3/16" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	G—G
C.211689/144	Flap air, bulkhead connection to union	3/16" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	G—B
C.211689/145	Flap air, union to union	3/16" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323	G—B
C.211689/146	Flap air, union to flap emergency air valve	3/16" o/d. x 22 S.W.G. x 2' 5" long.	DTD.323	G—G
C.211689/147	Flap air, union to flap emergency air valve	3/16" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	G—G
C.211689/148	Flap air, union to flap emergency air valve	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	G—G
C.211689/154	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 3' 9" long.	DTD.323	A—B
C.211689/155	Undercarriage up, union to nose wheel forward jack	3/16" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	G—G
C.211689/157	Undercarriage down restrictor valve to nose wheel forward jack	3/16" o/d. x 22 S.W.G. x 4' 3" long.	DTD.323	G—G
C.211689/158	Brake air charging, charging connection to accumulator	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.323	G—G
C.211689/161	Return, 4-way piece to thermal relief valve	3/16" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	G—G
C.211689/162	Hood closed, thermal relief valve to tee-piece	3/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	G—G

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/166	Hood closed connection to 4-way piece	3/16" o/d. x 22 S.W.G. x 3' 6" long.	DTD.323	G—G
C.211689/171	Pressure union to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A—A
C.211689/172	Pressure, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A—B
C.211689/174	Return, union to tee-piece	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	B—A
C.211689/175	Return, tee-piece to union	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A—A
C.211689/176	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.323	A—B
C.211689/177	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A—B
C.211689/178	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	A—B
C.211689/179	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A—B
C.211689/180	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A—B
C.211689/181	Aileron gearing, union to union	1/4" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	A—B
C.211689/182	Aileron gearing, union to shuttle valve	1/4" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A—A
C.211689/183	Aileron gearing shuttle valve to flexible hose	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	A—A
C.211689/184	Return, shuttle valve to tee-piece	1/4" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A—A
C.211689/192	Return, 4-way piece to tee-piece (Mod. 711)	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	A—A
C.211689/193	Return, tee-piece to thermal relief valve (Mod. 711)	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.323	A—A
C.211689/194	Pressure, thermal relief valve to tee-piece (Mod. 711)	3/16" o/d. x 22 S.W.G. x 4" long.	DTD.323	A—A
C.211689/195	Pressure, tee-piece to tee-piece (Mod. 711)	1/4" o/d. x 22 S.W.G. x 15" long.	DTD.323	A—A
C.211689/196	Pressure, tee-piece to accumulator (Mod. 711)	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A—A
C.211689/197	Hood closed, tee-piece to tee-piece	3/16" o/d. x 22 S.W.G. x 21" long.	DTD.323	A—A
C.211689/198	Hood closed, tee-piece to restrictor valve	3/16" o/d. x 22 S.W.G. x 3" long.	DTD.323	A—A

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/199	Hood closed, tee-piece to hood lock valve	3/16" o/d. x 22 S.W.G. x 19" long.	DTD.323	A-A
C.211689/201	Hood open, union to hand lock valve	3/16" o/d. x 22 S.W.G. x 36" long.	DTD.323	B-A
C.211689/202	Return, hood lock valve to tee-piece	3/16" o/d. x 22 S.W.G. x 20" long.	DTD.323	A-A
C.211689/203	Starboard brake, tee-piece to pressure relay valve . .	3/16" o/d. x 22 S.W.G. x 1' 1/2" long.	DTD.323	A-C
C.211689/205	Port brake, tee-piece to pressure relay valve (Mod. 803)	3/16" o/d. x 22 S.W.G. x 7" long.	DTD.323	G-G
C.211689/207	Pressure, tee-piece to pressure relay valve (Mod. 803)	3/16" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	G-G
C.211689/208	Pressure, pressure relay valve to choke (Mod. 903)	3/16" o/d. x 22 S.W.G. x 5" long.	DTD.323	G-G
C.211689/209	Pressure, choke to bulkhead connection (Mod. 803)	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	G-G
C.211689/210	Undercarriage "UP," restrictor valve to bleed screw (Mod. 757)	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.323	A-A
C.211689/211	Undercarriage "up," tee-piece to restrictor valve . . . (Mod. 757)	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
C.211689/212	Hood open, hood lock valve to restrictor valve	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.211689/213	Hood open, restrictor valve to bulkhead connection	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
C.211689/214	Hood open, bulkhead connection to hood operating jack	3/16" o/d. x 22 S.W.G. x 30" long.	DTD.323	A-A
C.211689/215	Hood closed, bulkhead connection to hood operating jack	3/16" o/d. x 22 S.W.G. x 30" long.	DTD.232	A-A
C.211689/216	Hood closed, bulkhead connection to hood operating jack	3/16" o/d. x 22 S.W.G. x 38" long.	DTD.323	A-A
C.211689/217	Hood open, 4-way piece to hood locking jack	3/16" o/d. x 22 S.W.G. x 30" long.	DTD.323	A-C
C.211689/218	Hood closed, 4-way piece to hood locking jack	3/16" o/d. x 22 S.W.G. x 30" long.	DTD.323	A-C
C.211689/219	Brake accumulator, bulkhead connection to gauge . .	3/16" o/d. x 22 S.W.G. x 4' 6" long.	DTD.323	A-C
C.211689/220	Port brake, bulkhead connection to gauge	3/16" o/d. x 22 S.W.G. x 3' 10" long.	DTD.323	A-C
C.211689/221	Pressure, bulkhead connection to gauge	3/16" o/d. x 22 S.W.G. x 4' 2" long.	DTD.323	A-C
C.211689/222	Starboard brake, bulkhead connection to gauge . . .	3/16" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	A-C

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/223	Hood closed, restrictor valve to one-way restrictor	3/16" o/d. x 22 S.W.G. x 19" long.	DTD.323	A-A
C.211689/224	Hood closed, one-way restrictor to bulkhead connection	3/16" o/d. x 22 S.W.G. x 13" long.	DTD.323	A-A
C.211689/248	Pressure switch to pressure relay (Mod. 797)	3/16" o/d. x 22 S.W.G. x 22" long.	DTD.323	A-C
C.211689/249	Pressure relay to tee-piece (Mod. 797)	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.323	C-A
C.211689/250	Return, 4-way piece to sequence valve (Mod. 813)	3/16" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	A-A
C.211689/251	Return, sequence valve to restrictor valve (Mod. 813)	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	A-A
C.211689/252	Return, restrictor valve to non-return valve (Mod. 813)	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-A
C.211689/253	Return, non-return valve to 4-way piece (Mod. 813)	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
C.211689/278	Pressure-control valve "IN" connection to 4-way piece (Mod. 890)	3/16" o/d. x 22 S.W.G. x 4' 6" long.	DTD.323	C-A
C.211689/279	Return, motor out connections to tee-piece (Mod. 890)	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.211689/280	Parking-control valve to motor, park connection (Mod. 890)	3/16" o/d. x 22 S.W.G. x 2' long.	DTD.323	A-A
C.211689/281	Pressure control valve wiper, connection to motor "IN" connection (Mod. 890)	3/16" o/d. x 22 S.W.G. x 3' long.	DTD.323	A-A
C.211689/347	Undercarriage emergency air tee-piece to union	3/16" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A-B
C.211689/348	Undercarriage emergency air union to union	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-B
C.211689/349	Undercarriage emergency air union to union	3/16" o/d. x 22 S.W.G. x 2' 6" long.	DTD.323	A-B
C.211689/352	Flap, emergency air tee-piece to union	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-B
C.211689/353	Flap, emergency air union to union	3/16" o/d. x 22 S.W.G. x 2' 3" long.	DTD.323	A-B
C.211689/354	Flap, emergency air union to union	3/16" o/d. x 22 S.W.G. x 2' 7" long.	DTD.323	A-B
C.211689/359	Return, tee-piece to control valve (Connection Exn) (Mod. 890)	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	A-A
C.211689/360	Return tee-piece to NRV. (Mod. 890)	1/4" o/d. x 22 S.W.G. x 11" long.	DTD.323	A-A
C.211689/361	Return, NRV. to 4-way piece (Mod. 890)	1/4" o/d. x 22 S.W.G. x 2' 1" long.	DTD.323	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
C.211689/362	Return, 4-way piece to TR V. (Mod. 890)	3/16" o/d. x 22 S.W.G. x 11" long.	DTD.323	A-A
C.211689/363	Undercarriage "UP" union to union (Mod. 890) . . .	3/16" o/d. x 22 S.W.G. x 2' 10" long.	DTD.323	A-B
C.211689/364	Down, union to restrictor valve (Mod. 890)	3/16" o/d. x 22 S.W.G. x 2' 11" long.	DTD.323	A-A
C.211689/378	Flap, air union FR13 to union FR11	3/16" o/d. x 22 S.W.G. x 3' 2" long.	DTD.323	A-B
C.211689/379	Flap, air union FR11 to gauge	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-C
C.211689/380	Undercarriage air union FR13 to union FR11	3/16" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	A-B
C.211689/381	Undercarriage air union FR11 to gauge	3/16" o/d. x 22 S.W.G. x 12" long.	DTD.323	A-C
C.211689/404	Port brake bulkhead connection to union	3/16" o/d. x 22 S.W.G. x 1' 7" long.	DTD.323	A-A
C.211689/405	Starboard brake union to gauge	3/16" o/d. x 22 S.W.G. x 12-1/2" long.	DTD.323	B-C
C.211689/406	Starboard brake bulkhead connection to union	3/16" o/d. x 22 S.W.G. x 1' 5" long.	DTD.323	A-A
C.211689/407	Port brake union to gauge	3/16" o/d. x 22 S.W.G. x 1' 1-1/2" long.	DTD.323	B-C
C.211689/408	Pressure bulkhead connection to union	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-A
C.211689/409	Pressure union to gauge	3/16" o/d. x 22 S.W.G. x 9-1/2" long.	DTD.323	B-C
C.211689/410	Brake accumulator bulkhead connection to union	3/16" o/d. x 22 S.W.G. x 1' 5-1/2" long.	DTD.323	A-A
C.211689/411	Brake accumulator union to gauge	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	B-C
C.211689/412	Flap air, union to flap emergency air valve	3/16" o/d. x 22 S.W.G. x 1' 10-1/2" long.	DTD.323	A-A
C.211689/413	Flap air, union to flap emergency air valve	3/16" o/d. x 22 S.W.G. x 1' 10" long.	DTD.323	A-A
C.211689/431	Brake, pressure relay valve to b'head con- nection port	3/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	C-A
C.211689/432	Brake, pressure relay valve to b'head con- nection starboard	3/16" o/d. x 22 S.W.G. x 2' 2" long.	DTD.323	C-A
C.211689/433	Pressure tee-piece to pressure relay valve	3/16" o/d. x 22 S.W.G. x 1' 8" long.	DTD.323	A-C
C.211689/434	Port, brake union to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 11" long.	DTD.323	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.212124/21	Floor connection to 3-way connection	3/16" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
B.212124/22	3-way connection to P.R. valve	3/16" o/d. x 16 S.W.G. x 1' 1" long.	DTD.323	A-A
B.212124/23	3-way connection to union	3/16" o/d. x 22 S.W.G. x 3' 9-1/4" long.	DTD.323	A-A
A.212152/6	P.R. valve to 3-way connection	5/16" o/d. x 22 S.W.G. x 2' 8" long.	DTD.323	A-B
A.212152/7	3-way connection to union	5/16" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	B-C
A.212152/8	3-way connection to starboard regulator	5/16" o/d. x 22 S.W.G. x 1' 0" long.	DTD.323	A-B
A.212212/1	Connection to union	3/16" o/d. x 22 S.W.G. x 1' 9" long.	DTD.253	G-B
A.212212/2	Union to pressure switch	3/16" o/d. x 22 S.W.G. x 2' 8" long.	DTD.253	G-G
A.212212/3	Connection to union	3/16" o/d. x 22 S.W.G. x 1' 2" long.	DTD.253	G-B
A.212212/4	Union to pressure switch	3/16" o/d. x 22 S.W.G. x 2' 5" long.	DTD.253	G-G
A.212659/14	Joint to joint	5/8" o/d. x 22 S.W.G. x 1' 6" long.	DTD.323	BEAD- BEAD
A.212659/15	Joint to hose	5/8" o/d. x 22 S.W.G. x 3' 3" long.	DTD.323	BEAD- BEAD
A.212659/19	Anti-G valve to joint	5/8" o/d. x 22 S.W.G. x 1' 9" long.	DTD.323	BEAD- BEAD

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
A.212660/1	4-way piece to non-return valve	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	G-G
A.212660/2	Non-return valve to air bottle	3/16" o/d. x 22 S.W.G. x 6" long.	DTD.323	G-G
A.212660/4	Bottle to filter	3/16" o/d. x 22 S.W.G. x 1' 4" long.	DTD.323	G-G
A.212660/5	Filter to union	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	A-B
A.212660/6	Union to valve selector	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	A-A
A.212660/7	Valve selector to valve reducing	1/4" o/d. x 22 S.W.G. x 5' 0" long.	DTD.323	A-A
A.212660/8	Valve reducing to union	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.323	A-B
A.212660/9	Union to union	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-B
A.212660/10	Union to tee-piece	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.323	A-A
A.212660/11	Tee-piece to valve reducing	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.323	A-A
A.212660/12	Tee-piece to pressure gauge	3/16" o/d. x 22 S.W.G. x 3' 4" long.	DTD.323	G-C
A.212660/13	Bottle to bottle	3/16" o/d. x 22 S.W.G. x 10" long.	DTD.323	A-A
A.212660/14	Union to 3-way connection	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.323	A-A
A.212660/15	3-way connection to reducing valve	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.323	A-A
A.212660/16	3-way connection to pressure gauge	3/16" o/d. x 22 S.W.G. x 3' 0" long.	DTD.323	A-C
B.213254/1	Low pressure, by-pass valve to spacer pipe	1/4" o/d. x 22 S.W.G. x 9" long.	DTD.253	A-A
B.213254/2	High pressure, by-pass valve to junction	1/4" o/d. x 22 S.W.G. x 1' 2" long.	DTD.253	A-A
B.213254/3	Hood seal, fuel cooler to connection	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.253	A-A
B.213254/5	Air supply, electro magnetic valve to bulkhead union	1/4" o/d. x 22 S.W.G. x 1' 4" long.	DTD.253	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.213254/6	Air supply, electro magnetic valve to connection . . .	1/4" o/d. x 22 S.W.G. x 1' 0" long.	DTD.253	A-A
B.213254/7	Hood, supply frame 6 to aft of frame 7	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	A-B
B.213254/8	Hood supply, tee-piece to reducing valve	1/4" o/d. x 22 S.W.G. x 8" long.	DTD.253	A-A
B.213254/9	Hood supply reducing valve to bulkhead connection	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	A-A
B.213254/10	Hood supply, bulkhead union to electro magnetic . . valve	1/4" o/d. x 22 S.W.G. x 2' 0" long.	DTD.253	A-A
B.213254/12	Hood supply, non-return valve to connection	1/4" o/d. x 22 S.W.G. x 1' 3" long.	DTD.253	A-B
B.213254/14	Air supply, aft of frame 12 to extractor valve	1/4" o/d. x 22 S.W.G. x 3' 6" long.	DTD.253	A-A
B.213254/18	Hood supply, aft of frame 7 to aft of frame 8	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	A-B
B.213254/19	Hood supply, aft of frame 8 to aft of frame 12	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.253	A-A
B.213254/20	Hood supply, aft of frame 12 to tee-piece	1/4" o/d. x 22 S.W.G. x 3' 6" long.	DTD.253	B-A
B.213254/21	Air supply, aft of frame 7 to aft of frame 8	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	B-B
B.213254/22	Air supply, aft of frame 8 to aft of frame 12	1/4" o/d. x 22 S.W.G. x 4' 0" long.	DTD.253	A-B
B.213254/23	Hood supply, electro magnetic valve to hood seal connection	1/4" o/d. x 22 S.W.G. x 2' 3" long.	DTD.253	A-A
B.213254/24	Guard to frame 6	1/4" o/d. x 22 S.W.G. x 1' 6" long.	DTD.253	A-A
B.213254/26	Discharge valve to frame 6	1/4" o/d. x 22 S.W.G. x 7" long.	DTD.253	A-A
B.213254/27	Frame 6 to pressure controller	1/4" o/d. x 22 S.W.G. x 1' 0" long.	DTD.253	A-A
B.213254/28	Drain	3/16" o/d. x 22 S.W.G. x 3' 0" long.	DTD.253	C-Plain
B.213254/32	Hood supply, connection to connection	1/4" o/d. x 22 S.W.G. x 2' 9" long.	DTD.253	A-B
B.213254/33	Hood supply, connection to frame 18A	1/4" o/d. x 22 S.W.G. x 2' 4" long.	DTD.253	A-B
B.213254/34	Hood supply, frame 18A to centre fuselage	1/4" o/d. x 22 S.W.G. x 2' 8" long.	DTD.253	A-B
B.213254/36	Air supply extractor valve to electro magnetic valve	1/4" o/d. x 22 S.W.G. x 6" long.	DTD.253	A-A

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
B.213254/43	Air supply extractor valve to frame 7 (Aft)	1/4" o/d. x 22 S.W.G. x 3' 4" long.	DTD.253	A-A
B.213254/53	H.S.P. Frame 8 aft to frame 12 aft	1/4" o/d. x 22 S.W.G. x 4' 1" long	DTD.253	A-A
B.213254/54	A.S.P. frame 8 aft to frame 12 aft	1/4" o/d. x 22 S.W.G. x 4' 6" long	DTD.253	A-B
A.213666/1	Pressure, tee-piece to union	5/16" o/d. x 22 S.W.G. x 1' 2" long	L.67	Plain
A.213666/2	Static, tee-piece to union	5/16" o/d. x 22 S.W.G. x 11" long	L.67	Plain
A.213666/3	Pressure union to union	5/16" o/d. x 22 S.W.G. x 1' 11" long	L.67	Plain
A.213666/4	Static union to bulkhead connection	5/16" o/d. x 22 S.W.G. x 2' 3" long	L.67	Plain
A.213666/5	Pressure union to bulkhead connection	5/16" o/d. x 22 S.W.G. x 2' 10" long	L.67	Plain
A.213666/6	Static, union to bulkhead connection	5/16" o/d. x 22 S.W.G. x 2' 9" long	L.67	Plain
A.213666/7	Pressure, bulkhead connection to union	5/16" o/d. x 22 S.W.G. x 2' 4" long	L.67	Plain
A.213666/8	Static, bulkhead connection to union	5/16" o/d. x 22 S.W.G. x 2' 2" long	L.67	Plain
A.213666/9	Pressure, union to union	5/16" o/d. x 22 S.W.G. x 3' 0" long	L.67	Plain
A.213666/10	Static, union to union	5/16" o/d. x 22 S.W.G. x 3' 3" long	L.67	Plain
A.213666/15	Pressure, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 0" long	L.67	Plain
A.213666/16	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 1' 11" long	L.67	Plain
A.213666/17	Pressure, elbow to tee-piece	5/16" o/d. x 22 S.W.G. x 3' 0" long	L.67	Plain
A.213666/18	Static, tee-piece to gyro gun sight, port	5/16" o/d. x 22 S.W.G. x 8" long	L.67	Plain
A.213666/20	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 9" long	L.67	Plain
A.213666/22	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 1" long	L.67	Plain

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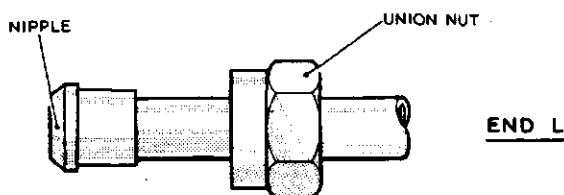
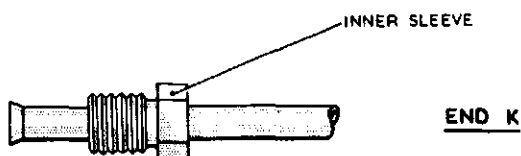
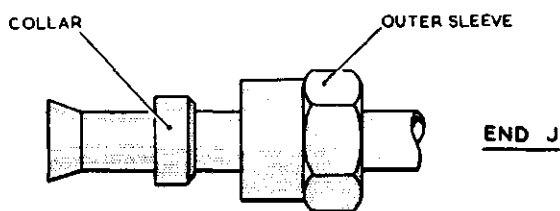
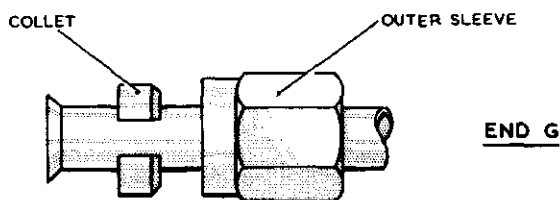
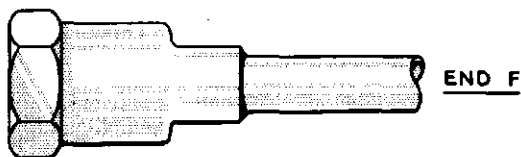
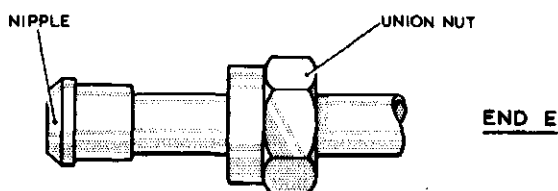
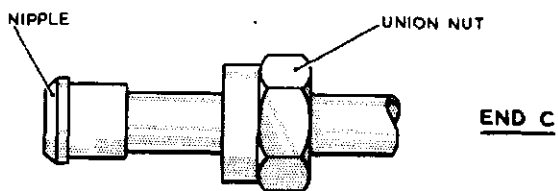
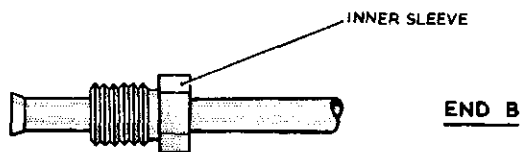
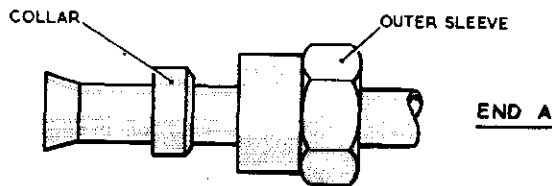
Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
A.213666/23	Pressure, union to auto stabiliser unit pressure	5/16" o/d. x 22 S.W.G. x 1' 5" long	L.67	Plain
A.213666/24	Static, tee-piece to gyro gun sight, starboard	5/16" o/d. x 22 S.W.G. x 1' 10" long	L.67	Plain
A.213666/25	Pressure, tee-piece to instrument panel (Mod.779)	5/16" o/d. x 22 S.W.G. x 2' 0" long	L.67	Plain
A.213666/26	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 1' 11" long	L.67	Plain
A.213666/29	Pressure, union to tee-piece (Mod.898)	5/16" o/d. x 22 S.W.G. x 1' 2" long	L.67	Plain
A.213666/31	Pressure, tee-piece to union (Mod.898)	5/16" o/d. x 22 S.W.G. x 8" long	L.67	Plain
A.213666/33	Pressure, tee-piece to instrument panel (Mod.898)	5/16" o/d. x 22 S.W.G. x 5" long	L.67	Plain
A.213666/34	Static, union to auto-stabiliser unit.	5/16" o/d. x 22 S.W.G. x 1' 4" long	L.67	Plain
A.213666/38	Static, union to tee-piece (Mod.898)	5/16" o/d. x 22 S.W.G. x 1' 2" long	L.67	Plain
A.213666/40	Static, tee-piece to union (Mod.898)	5/16" o/d. x 22 S.W.G. x 8" long	L.67	Plain
A.213666/42	Static, tee-piece to instrument panel (Mod.898)	5/16" o/d. x 22 S.W.G. x 5" long	L.67	Plain
A.213666/44	Pressure, bulkhead connection to tee-piece.	5/16" o/d. x 22 S.W.G. x 3' 3" long	L.67	Plain
A.213666/45	Static, bulkhead connection to tee-piece.	5/16" o/d. x 22 S.W.G. x 4' 0" long	L.67	Plain
A.213666/46	Pressure, tee-piece to hose connection.	5/16" o/d. x 22 S.W.G. x 3' 5" long	L.67	Plain
A.213666/47	Static, tee-piece to hose connection.	5/16" o/d. x 22 S.W.G. x 1' 7-1/2" long	L.67	Plain
A.213666/48	Pressure, hose to hose connection	5/16" o/d. x 22 S.W.G. x 11-1/2" long	L.67	Plain
A.213666/49	Static, hose to hose connection.	5/16" o/d. x 22 S.W.G. x 10-1/2" long	L.67	Plain and special end
A.213666/50	Static, tee-piece to bulkhead connection	5/16" o/d. x 22 S.W.G. x 3' 2" long	L.67	Plain
A.213666/51	Static, bulkhead connection to tee-piece	5/16" o/d. x 22 S.W.G. x 6-1/2" long	DTD.253	Plain
A.213666/52	Static, tee-piece to hose connection	5/16" o/d. x 22 S.W.G. x 3" long	DTD.253	Plain
A.213666/53	Pressure, union to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 5" long	L.67	Plain

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Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
A.213666/54	Static, union to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 0" long	L.67	Plain
A.213666/55	Pressure, tee-piece to bulkhead connection	5/16" o/d. x 22 S.W.G. x 6-1/2" long	L.67	Plain
A.213666/56	Static, tee-piece to bulkhead connection	5/16" o/d. x 22 S.W.G. x 7" long	L.67	Plain
A.213666/57	Pressure, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 2" long	L.67	Plain
A.213666/58	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 4" long	L.67	Plain
A.213666/59	Pressure, tee-piece to instrument panel	5/16" o/d. x 22 S.W.G. x 2' 7" long	DTD.253	Plain
A.213666/60	Static, tee-piece to instrument panel	5/16" o/d. x 22 S.W.G. x 2' 6" long	DTD.253	Plain
A.213666/61	Pressure, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 1' 11" long	L.67	Plain
A.213666/62	Static, tee-piece to tee-piece	5/16" o/d. x 22 S.W.G. x 2' 4" long	L.67	Plain
A.213666/63	Pressure, tee-piece to pressure switch	5/16" o/d. x 22 S.W.G. x 3' 1" long	L.67	Plain
A.213666/64	Static, tee-piece to pressure switch	5/16" o/d. x 22 S.W.G. x 1' 11" long	L.67	Plain
A.213666/65	Pressure, tee union to elbow Pressure Error Correction Unit	5/16" o/d. x 22 S.W.G. x 2' 9" long	L.54	Plain
A.213666/97	Static, tee union to elbow, Pressure Error Correction Unit	5/16" o/d. x 22 S.W.G. x 2' 9" long	L.54	F.265264 -Plain
A.213666/98	Pressure, tee union to Auto Stabilizer Unit	5/16" o/d. x 22 S.W.G. x 1' 6" long	L.54	Plain
A.213666/99	Pressure, union to tee union	5/16" o/d. x 22 S.W.G. x 3' 0" long	L.54	Plain
A.213666/100	Static, tee union to Auto Stabilizer Unit	5/16" o/d. x 22 S.W.G. x 1' 6" long	L.54	Plain
A.213666/101	Static, union to tee union	5/16" o/d. x 22 S.W.G. x 3' 0" long	L.54	Plain
20 A.213666/102	Static, tee-piece to hose connection	5/16" o/d. x 22 S.W.G. x 0' 00" long	DTD.253	Plain

PIPING CHART

Part No.	Description	Size & Cutting Length	Material Specification	End Fittings
F.230464	Fuel pressure switch balance drain	3/16" o/d. x 22 S.W.G. x 8" long	DTD.253	C-Plain
A.232436/4	Static tee union, on rate of climb indicator to .. tee union	5/16" o/d. x 22 S.W.G. x 1' 0" long	T.9	Plain
A.232436/5	Static tee union, to elbow on A.S.I.	5/16" o/d. x 22 S.W.G. x 10" long	T.9	Plain
A.232436/6	Static, tee union, tee-union on machmeter	5/16" o/d. x 22 S.W.G. x 8" long	T.9	Plain
A.232436/7	Static tee union, on machmeter to elbow on ... altimeter	5/16" o/d. x 22 S.W.G. x 5-1/2" long	T.9	Plain
F.250992	Link pipe	3/8" o/d. x 22 S.W.G. x 4" long	St. Steel. T.55	Std.2097/4 each end
A.297018	Static, tee piece to static head	5/16" o/d x 22 S.W.G. x 9" long	DTD.253	Plain
	(Mod. 1317)			



28F/44.0837

O/D OF PIPE	END A			
	OUTER SLEEVE		COLLAR	
	PART N°	REF N°	PART N°	REF N°
3/16	AGS. 904.A	28F/912893	AGS. 952.A	28F/8011890
1/4	AGS. 2111	28F/1015879	AGS. 952.B	28F/9439531
5/16	AGS. 904.BB	28F/1015879	AGS. 952.BB	28F/9475201
3/8	AGS. 904.C	28F/940970	AGS. 952.C	28F/8011892
7/16	AGS. 904.CC	28 F/5724	F 183351	26AQ/2677
1/2	AGS. 904.D	28F/8011820	AGS. 952.D	28F/9439532
5/8	AGS. 904.E	28F/8011821	AGS. 952.E	28 F/6355

O/D OF PIPE	END B	
	INNER SLEEVE	
	PART N°	REF N°
3/16	AGS. 1218.A	28 F/11280
1/4	AGS. 1218.B	28F/1014969
3/8	AGS. 1218.C	28 F/11283
1/2	AGS. 1218.D	28 F/11285
5/8	AGS. 1218.E	28F/11286

O/D OF PIPE	END C			
	UNION NUT		NIPPLE	
	PART N°	REF N°	PART N°	REF N°
3/16	AGS. 1216.A	28M/9429620	AGS. 209.A	28N/9429627
3/8	AGS. 1216.C	28M/9132800	AGS. 209.D	28N/1013287
1/2	AGS. 1216.D	28M/1011934	AGS. 209.F	28N/1013288

O/D OF PIPE	END E			
	UNION NUT		NIPPLE	
	PART N°	REF N°	PART N°	REF N°
3/16	AGS. 1187.A	28M/1011904	AGS. 209.A	28N/9429627
1/2	AGS. 1187.D	28 M/9500	AGS. 209.F	28N/1013288

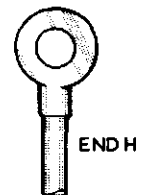
O/D OF PIPE	END F	
	CONNECTION	
	PART N°	REF N°
5/16	F172505	

O/D OF PIPE	END G			
	OUTER SLEEVE		COLLET	
	PART N°	REF N°	PART N°	REF N°
3/16	GYP 100/A	10685	GYP 101/A	10686

O/D OF PIPE	END J			
	OUTER SLEEVE		COLLAR	
	PART N°	REF N°	PART N°	REF N°
3/16	AGS. 954.A	28 F/8011891	AGS. 952.A	28F/8011890
1/4	AGS. 954.B	28F/9439527	AGS. 952.B	28F/9439531
3/8	AGS. 954.C	28F/8011888	AGS. 952.C	28F/8011892
1/2	AGS. 954.D	28F/9439535	AGS. 952.D	28F/9439532

O/D OF PIPE	END K	
	INNER SLEEVE	
	PART N°	REF N°
3/16	AGS. 955.A	28 F/13612
1/4	AGS. 955.B	28 F/12432
3/8	AGS. 955.C	28 F/12374
1/2	AGS. 955.D	28 F/11960

O/D OF PIPE	END H	
	BANJO	
	PART N°	REF N°
3/16	F. 202450	



O/D OF PIPE	END L			
	UNION NUT		NIPPLE	
	PART N°	REF N°	PART N°	REF N°
3/16	AGS. 1216A	28M/9429620	STD. 2085/1	

END FITTINGS

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