Part No.	Description	100	Titalis	Plate No.	Part No.	Description		45217 - 1100 -
10/1	Fuel Pump—2 Point, fitted with 10/6 to	10/30 Ford Paris Can	1	24	10/7	Pump Body Plug Washer and who beligger regard? (word)		
	10/12, 10/119, 10/170, 10/171 (Supplied only with 10/2 and 10/174)	3 P. & S. Cylinders Nos. 4 & 5			10/8	Steady Peg, $\frac{3}{16}$ " diam. $\times \frac{1}{2}$ " long, for 10/1, 10/2, 10/3, 10/4, 10/5		
10/2	Fuel Pump—3 Point, fitted with 10/6				10/9	Fuel Pump Pipe Connection Screw, fitted with 10/119		
10/2	ista serie ista terrie		Catalogue		10/10	Pump Rack Connecting Link (1 Pair), fitted with 10/11		
	Engines only) 3L:	3 P. & S. Cylinders Nos. 1, 2 & 3			10/11	Pump Rack Pin, fitted with 10/12 5L3,	6L3 7L3,	8L3
alt-Ade.	( Table 1 and 1 an	3 P. & S. , , 1, 2 & 3 3 P. & S. , , 1, 2 & 3	Supplementary		10/12	Split Pin, $\frac{5}{64}$ " diam. $\times \frac{1}{2}$ " long		
	/O 11 1 1-11 10/0 110/1999		Supple	£.J8 .	10/13	Fuel Control Box—3 Point, fitted with 10/15, 10/20, 10/114, 10/18	81 18 18	
in yins bat	nation Gran Ring-Port, fitted with 1948 (Suppl		the	0.18	10/14	Fuel Control Box—4 Point, fitted with 10/15, 10/20, 10/114, 10/18	31	
10/3	Fuel Pump—3 Point, fitted with 10/6 to 10/12, 10/119, 10/170, 10/171 (Supplied only with 10/2 & 10/175)	3 P. & S. Cylinders Nos. 4, 5 & 6	Parts see	Post	10/15	Steady Peg, 3 diam. × 11 long		
egs od fan	10. Prince of English and Direction of Maleston		re P		10/16	Stud, OB.A.×118" long, fitted with 10/17, 10/18		
10/4	to 10/9, 10/16 to 10/18, 10/119,	3 P. & S. Cylinders Nos. 1, 2, 3 & 4	Pump Spare	brass	10/17	Nut, Steel, OB.A.	10201	
		3 P. & S. , , , 1, 2, 3 & 4	el Pu		10/18	Spring Washer, OB.A.		
	(Supplied only with 10/173 for 4L3) (Supplied only with 10/5 and 10/176 for 8L3)	1990 Sestem, Sq. E	the Fuel	1109	10/19	Fuel Control Trigger		
10/5	Fuel Pump—4 Point, fitted with 10/6 to \		For	bagot	10/20	Fuel Control Trigger Pin		
roT 5.46	10/12 10/110 10/170 10/171	P. & S. Cylinders Nos. 5, 6, 7 & 8	40 10	hone	10/21	Fuel Control Shaft Stop, fitted with 10/22, 10/23		
Cytindes No.	for 8L3)				10/22	Nut, Steel, OB.A.		
10/6	Pump Body Plug, fitted with 10/7			buse	10/23	Split Pin, 5 diam.×1 long		

Plate No.	Part No.	Description	322	Visit I	Plate No.	Part No.	Description Description
24	10/24	Control Plunger, supplied only fitted with 10/25, 10/26	10/2	26.	24	10/39	Fuel Pump Camshaft—Gear Half, fitted with 10/41, 10/42, 10/105, 10/106
	10/25	Control Plunger Knob, supplied only fitted with 10/24, 10/26				10/40	Fuel Pump Camshaft—Gear Half, fitted with
	10/26	Split Pin, $\frac{5}{64}$ " diam. $\times \frac{5}{8}$ " long				10/40	10/41, 10/42, 10/105, 10/106
	10/27	Control Plunger Spring			Day of the	10/41	Fuel Pump Camshaft Gear Stop Ring
5.18	10/28	Control Box Plug			5	10/42	Feather Key, 1" Sq. ×11" long 4L3, 5L3, 6L3, 7L3,
	10/29	Fuel Control Spring Post			and and	10/43	Feather Key, 1" Sq.×21" long
	10/30	Fuel Pump Control Rod Spring	3L3, 5L	3, 6L3	The state of	10/44	Fuel Pump Camshaft Gear Body
	10/31	Fuel Pump Control Rod Spring	4L	3, 8L3	8 2 day	10/45	Fuel Pump Camshaft Gear Ring—Port, fitted with 10/48 (Supplied only with No. 3/40. Hand of Engine and Direction of Rotation must be specified)
	10/32	Fuel Pump Camshaft, fitted with 10/41, 10/52	3L	3 Port	Daret.	10/46	Fuel Pump Camshaft Gear Ring—Starboard, fitted with 10/48 (Supplied only Part No. 3/40. Hand of Engine and Direction of Rotation must be speci
	10/33	Fuel Pump Camshaft, fitted with 10/41, 10/52	3L3 Sta	rboard	Silvino	10/47	Fuel Pump Camshaft Gear Screw and American American American
	10/34	Fuel Pump Camshaft—Box Half, fitted with 10/43, 10/52, 10/102 to 10/104 4L3 Por	t and Sta	rboard	Strains	10/48	Steady Peg, 5" diam. ×3" long
	10/95	Bering Wather, OBA.			E	10/49	Fuel Pump Cam, fitted with 10/50
	10/35	Fuel Pump Camshaft—Box Half, fitted with 10/43, 10/52, 10/102 to 10/104		3 Port	the E	10/50	Setscrew, Sq. Head, Pointed, 5 "-28 Thds. × 7 long
	10/36	Fuel Pump Camshaft—Box Half, fitted with	ET o C.	1	Hotel	10/51	Lubricating Pump Driving Gear (Supplied only with Part No. 12/20)
		10/43, 10/52, 10/102 to 10/104	5L3 Star	rboard		10/52	Woodruff Key
	10/37	Fuel Pump Camshaft—Box Half, fitted with 10/43, 10/52, 10/102 to 10/104	6L3 Star	rboard	24, 25	10/53	Fuel Pump Cam Box—"A"—2 Point, fitted with 10/68 to 10/73 {5L3 Port Cylinders Nos.
	10/38	Fuel Pump Camshaft—Box Half, fitted with 10/43, 10/52, 10/102 to 10/104 8L3 Po	rt and Sta	rboard		10/54	Fuel Pump Cam Box—"B"—2 Point, fitted with 10/65 to 10/73



Part No.	Description	Plate No	Part No.	Description	
10/55	Fuel Pump Cam Box—"C"—3 Point, fitted with 10/29, 10/68 to 10/73, 10/77 to 10/79	24	10/72	Plug, Hex. Head, $\frac{1}{4}$ Gas $\times \frac{3}{8}$ Hex., fitted with 10/73	88/01 18
	Jordon Comme Cop		10/73	Packing, Circular, $1'' \times \frac{1}{2}'' \times \frac{1}{16}''$	06/01
10/56	Fuel Pump Cam Box—"D"—3 Point, fitted with 10/29, 10/68 to 10/73, 10/77 to 10/79		10/74	Fuel Pump Camshaft Ball Bearing Mount	10/01
10/57	Fuel Pump Cam Box Distance Piece 5L3, 6L3		10/75	Ball Journal Bearing	20/01
10/58	Fuel Pump Cam Box Distance Piece 8L3		10/76	Fuel Pump Camshaft Bearing Plate, fitted with 10/77 to 10/79 10/192	4L3, 5L3, 6L3, 7L3, 8L3
10/59	Spring Post		10/77	Stud, 5" Wh. ×11" long, fitted with 10/78, 10/79	2000
10/60	Ball Journal Bearing 5L3, 6L3, 7L3, 8L3		10/78	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.	1,049.01
10/61	Ball Journal Bearing Distance Collar 5L3, 6L3		10/79	Spring Washer, 5" diam.	8020T
10/62	Stud, $\frac{5}{16}$ " Wh. $\times 3\frac{7}{8}$ " long, fitted with 10/64 5L3, 6L3		10/80	Fuel Pump Cam Box End Plate—with Foot, fitted with 10/81, 10/59 for 4L3, 5L3, 6L3 Automotive Engines) (See 10/187	
10/63	Bolt, Hex. Head, $\frac{5}{16}$ Wh. $\times 3\frac{5}{8}$ long $\times \frac{5}{16}$ Hex., fitted with 10/64 5L3, 6L3 (Superseded by 10/62, which will be supplied for replacements)		10/81	Stud, 5" Wh. ×1 3" long, fitted with 10/82	
10/64	Nut, Steel, $\frac{5}{16}$ Wh. $\times \frac{5}{16}$ $\times \times \frac{5}{16}$ Hex., for 10/62, 10/63, 10/118, 10/141		10/01	Stud, 18 Wil. XI 16 long, littled with 10/02	86JOT
10/65	Floor Oral Cost Inc. Disch 91" and 1989 will fixed with 1986		10/82	Nut, Steel, $\frac{5}{16}''$ Wh. $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex.	pot or
10/00	Flange, Oval, Cast Iron, Blank, 2½" centres ×2¾" wide, fitted with 10/66		10/83	Ball Journal Bearing	4L3, 5L3, 6L3
10/66	Packing, Oval, 2½" centres × 2¾" wide (7L3, 6L3)		10/94	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 2$ " long $\times \frac{3}{8}$ " Hex.	10101
10/67	Setscrew, Hex. Head, $\frac{5}{16}''$ Wh. $\times \frac{7}{8}''$ long $\times \frac{1}{4}''$ Hex.		10/84	Setscrew, Hex. Head, § Wh. ×2 long × Hex.	10/102
10/68	Fuel Pump Cam Box Cover		10/85	Setscrew, Hex. Head, \(\frac{3}{8}\)" Wh. \(\times 3\)\[\frac{1}{8}\]" long \(\times \)\[\frac{3}{8}\]" Hex.	302/07
10/69	Setscrew, Hex. Head, OB.A. ×½" long	8 8.18	10/86	Fuel Pump Cam Box End Plate—Governor End	301/0)
10/70	Stud, $\frac{7}{16}$ Wh. $\times 2\frac{5}{8}$ long, fitted with 10/29 or 10/71		10/87	Ball Journal Bearing	
10/71	Nut, Steel, $\frac{7}{6}$ Wh. $\times \frac{3}{8}$ ** Hex.		10/88	Fuel Pump Tappet, fitted with 10/89 to 10/92 — Superseded	apitini .
10,12	, 10		20,00	The state of the s	



Plate No.	Part No.	Description	tald male part	Plate No.	Part No.	Description	52
24	10/89	Fuel Pump Tappet Roller Wall and Wall bear wall and Wall		24	10/106	Setscrew, Sq. Head, Pointed, 3/2—24 Thds. × 1/8 long	
	10/90	Fuel Pump Tappet Roller Pin			10/107	Grease Cup	
	10/91	Fuel Pump Tappet Screw, fitted with 10/92		brsc	10/108	Damper Plate, fitted with 10/107	10,01
	10/92	Nut, Steel, $\frac{3}{8}$ "—24 Thds. $\times \frac{1}{4}$ " $\times \frac{5}{16}$ " Hex.		6.10	10/109	Damper Friction Washer	3, 5L3, 6L3,
£10, 81	10/93	Fuel Pump Charging Lever Bracket		863	10/110	Damper Ring	o, 0110, 0110,
	10/94	Setscrew, Cheese Head, OB.A. × 5" long			10/111	Damper Spring	10/89
	10/95	Fuel Pump Charging Lever		2,18	10/112	Damper Bolt, fitted with 10/113	69/01
	10/96	Fuel Pump Charging Lever Pin		6.13	10/113	Nut, Steel, 5" B.S.F.×1"×1" Hex.	18/01
how se	10/97	Fuel Pump Charging Lever Spring		5.13	10/114	Fuel Control Trigger Stop	28/01
(and	10/98	Fuel Pump Charging Lever Catch		8.35	10/115	Fuel Pump Camshaft—Box Half, fitted with 10/43, 10/52, 10/102 to	
	10/99	Fuel Pump Charging Lever Catch Pin			10/116	Ball Journal Bearing Distance Collar—Wide	38.01
	10/100	Not Allocated			10/117	Ball Journal Bearing Distance Collar—Narrow	
61.3	10/101	Not Allocated		8.15 ,6			
		Scherrer, Hex. Head, J. Wh. 202 long x 1. Hex.		6,18,1	10/118	Bolt, Hex. Head, $\frac{5}{16}$ Wh. $\times 4$ long $\times \frac{5}{16}$ Hex., fitted with 10/64 / (Superseded by 10/191, which will be supplied for replacements)	
	10/102	Damper Body (This item will not be supplied separately) but only with its respective Camshaft			10/119	Packing, Circular, $1'' \times \frac{11}{16}'' \times \frac{1}{32}''$	25/01
	10/103	Setscrew, Sq. Head, Pointed, 3"—24 Thds. ×3" long	6L3, 6L3, 8L3	24, 25	10/120		rt, 6L3 Port
7	10/104	Grease Cup	750, 0L0, 8L0			10/29, 10/65 to 10/73 Cylinder	ers Nos. 1, 2 & 3
	10/105	Damper Coupling, fitted with 10/39 or 10/40, 10/41, 10/42, 10/106			10/121	Fuel Pump Cam Box—"F"—3 Point, fitted with 10/29, 10/68 to 10/73 5L3 Starboar Cylinders	rd, 6L3 Star s Nos. 1, 2 & 3

Part No.	Description	Plate No.	Part No.	Description
10/122	Fuel Pump Cam Box—"G"—3 Point, fitted with 10/68 to 10/73  6L3 Port Cylinders Nos. 4, 5 & 6	24	10/131	FUEL PUMP CAMSHAFT ASSEMBLY, Comprising 10/32, 10/49 to 10/52, 10/129 (Part No. 3/40 and 12/20 must also be supplied. Hand of Engine and Direction of Rotation must be specified)
10/123	Fuel Pump Cam Box—"H"—3 Point, fitted with 6L3 Starboard Cylinders Nos. 4, 5 & 6	bie	dual 8 In	Comprising 10 36, 1079; Clark No. 1870; manu-
10/124	Fuel Pump Cam Box—"J"—4 Point, fitted with 10/29, 10/68 to 10/73  4L3 Port and Starboard		10/132	FUEL PUMP CAMSHAFT ASSEMBLY, Comprising 10/33, 10/49 to 10/52, 10/130 (Part No. 3/40 and 12/20 must also be supplied. Hand of Engine and
	100455 BEIGE PETARP CAME BOX AND COVERNOR		107.5.20	Direction of Rotation must be specified)
10/125	Fuel Pump Cam Box—"K"—4 Point, fitted with 10/29, 10/65 to 10/73  8L3 Port and Starboard Cylinders Nos. 1, 2, 3 & 4	tos	10/133	FUEL PUMP CAMSHAFT ASSEMBLY—GEAR HALF, Comprising 10/39, 10/129 (Part No. 3/40 must also be supplied. Hand of Engine and Direction of Rotation.  Port
10/126	Fuel Pump Cam Box—"M"—4 Point, fitted with 3L3 Port and Starboard Cylinders Nos. 5, 6, 7 & 8	2:		supplied. Hand of Engine and Direction of Rotation Port must be specified)
10/127	FUEL CONTROL BOX ASSEMBLY—3 Point, Comprising 10/13, 10/19 to 10/28, 10/114, 10/167, 10/169, 10/180 to 10/186  3L3 Port 5L3 Port 6L3 Port	LED ETR	10/134	FUEL PUMP CAMSHAFT ASSEMBLY—GEAR HALF, Comprising 10/39, 10/130 (Part No. 3/40 must also be supplied. Hand of Engine and Direction of Rotation must be specified)  4L3, 5L3, 6L3 Starboard
10/128	FUEL CONTROL BOX ASSEMBLY—4 Point, Comprising 10/14, 10/19 to 10/28, 10/114, 10/168, 10/169, 10/180 to 10/186  4L3 Port 8L3 Port	M SMI	10/135	FUEL PUMP CAMSHAFT ASSEMBLY—GEAR HALF, Comprising 10/40, 10/129 (Part No. 3/40 must also be supplied. Hand of Engine and Direction of Rotation must be specified)  8L3 Port
10/129	FUEL PUMP CAMSHAFT GEAR ASSEMBLY,			and the post post successful and the successful and
baodasi	Comprising 10/44, 10/45, 10/47, 10/48 (Part No. 3L3, 4L3, 5L3, 6L3, 8L3 3/40 must also be supplied. Hand of Engine and Direction of Rotation must be specified)		10/136	FUEL PUMP CAMSHAFT ASSEMBLY—GEAR HALF, Comprising 10/40, 10/130 (Part No. 3/40 must also be supplied. Hand of Engine and Direction of Rotation must be specified)
10/130	FUEL PUMP CAMSHAFT GEAR ASSEMBLY, Comprising 10/44, 10/46 to 10/48 (Part No. 3/40) 3L3, 4L3, 5L3, 6L3, 8L3 must also be supplied. Hand of Engine and Direction of Rotation must be specified)  Starboard		10/137	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF, Comprising 10/34, 10/49 to 10/52 (Part No. 12/20 must also be supplied)  4L3 Port and Starboard

#### FUEL PUMP AND FUEL PUMP MOTION WORK-Section 10

Plate No.	Part No.	Description	T X T	Plate No.	Part No.	Description	
	10/138	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF, Comprising 10/35, 10/49 to 10/52 (Part No. 12/20 must also be supplied)	5L3 Port	24, 25, 26	10/149	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	4L3 Port
	10/139	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF, Comprising 10/36, 10/49 to 10/52 (Part No. 12/20 must also be supplied)	- 5L3 Starboard		10/150	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	4L3 Starboard
	10/140	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF,		brief.	10/151	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	4L3 Port
		Comprising 10/49 to 10/52, 10/115 (Part No. 12/20 must also be supplied)	6L3 Port		10/152	FUEL PUMP CAM BOX AND GOVERNOR	4L3 Starboard
6,10	10/141	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF, Comprising 10/37, 10/49 to 10/52 (Part No. 12/20 must also be supplied)	- 6L3 Starboard		10/153	ASSEMBLY—Cam Operated Control  FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	5L3 Port
	10/142	FUEL PUMP CAMSHAFT ASSEMBLY—BOX HALF, Comprising 10/38, 10/49 to 10/52 (Part No. 12/20 must also be supplied)	8L3 Port and Starbo	pard	10/154	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	5L3 Starboard
6.00	10/143	FUEL PUMP CAMSHAFT DAMPER ASSEMBLY, Comprising 10/34 or 10/35 or 10/36 or 10/37 or 10/38, 10/39 or 10/40, 10/41, 10/42, 10/102 to 10/113			10/155	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	5L3 Port
	10/144	FUEL PUMP CHARGING LEVER ASSEMBLY, Compri	ising 10/93, 10/95	to	10/156	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	5L3 Starboard
24, 25, 26	10/145	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	3L3 Port LSOW	ering	10/157	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	6L3 Port
trac	10/146	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	3L3 Port IX. Number N. N. Starboard	/hen Ord	10/158	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	6L3 Starboard
	10/147	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	3L3 Port	cified	10/159	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	6L3 Port
bruoite	10/148	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control		pe Sp	10/160	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	6L3 Starboard

When ordering it is IMPORTANT to quote the Number of the Engine, and also the Number of the Part.

Part No.	Description	1.18	Harri.	Plate No.	Part No.	Description
10/161	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Local and Deck Control	8L3 Port	ST	24	10/176	Fuel Pump Insertion Plate—8 Point
10/162	FUEL BUMB CAM BOY AND COVERNOR		r MU Order	Jimes	10/177	Steady Peg, 3" diam. × 11" long, for 10/172, 10/173
10/102	ASSEMBLY—Local and Deck Control	8L3 Starboard	umbe	toming	10/178	Fuel Pump Ram Tappet, fitted with 10/89 to 10/92
10/163	FUEL PUMP CAM BOX AND GOVERNOR ASSEMBLY—Cam Operated Control	8L3 Port	Engine Serial Number MUST be Specified When Ordering	land.	10/179	Fuel Pump Ram Tappet Spring
10/164	FUEL PUMP CAM BOX AND GOVERNOR )	8L3 Starboard	ngine oe Spe	(B)	10/180	Fuel Control Box Sight Hole Plug
	ASSEMBLY—Cam Operated Control	olis Starboard	En		10/181	Setscrew, Cheese Head, 2 B A $\times \frac{5}{16}''$ long
10/165	Fuel Pump Ram Tappet, '010" Oversize, fitted with 10/89 t	to 10/92		l-model	10/182	Governor Bar Buffer Body (Supplied only with 10/183 to 10/186)
10/166	Fuel Pump Ram Tappet, '020" Oversize, fitted with 10/89 to	to 10/92		inuoda	10/183	Governor Bar Buffer Plunger
10/167	Fuel Pump Control Rod Spring Cover	5L3	3 Port 3 Port 3 Port	brevis Irgorhi	10/184	Governor Bar Buffer Spring And Action as equal Action
10/168	Fuel Pump Control Rod Spring Cover		3 Port		10/185	Governor Bar Buffer Plug
10/169	Setscrew, Cheese Head, 2 B.A. × 78" long		3 Port		10/186	Locknut, Hex., $\frac{3}{8}$ " Gas $\times \frac{1}{4}$ " $\times \frac{7}{16}$ " Hex.
10/170	Fuel Pump Rack Connecting Link Cover, fitted with 10/171	(5L3 6L3 8L3			10/187	Fuel Pump Cam Box End Plate—with Foot, fitted with 10/81, 10/82, 10/188 to 10/190, 10/193
10/171	Setscrew, Cheese Head, 1 B.A. $\times \frac{3}{4}''$ long, for 10/170	023			10/188	Injection Control Link Support Lever Stud, fitted with 10/189, 10/190
10/172	Fuel Pump Insertion Plate—3 Point, fitted with 10/177				10/189	Washer, Plain, ½" Bore×2" O.D., for 10/188
10/173	Fuel Pump Insertion Plate-4 Point, fitted with 10/177				10/190	Split Pin, $\frac{3}{32}$ " diam. $\times \frac{7}{8}$ " long, for 10/188
10/174	Fuel Pump Insertion Plate—5 Point				10/191	Stud, 5 " Wh. ×41 long, fitted with 10/64
10/175	Fuel Pump Insertion Plate—6 Point				10/192	Sealing Ring, 1¼" I.D.×1¾" O.D.×¼" wide



Plate No.	Part No.	Description	had padd	Plate No.	Part No.	Description	Fred ase
	10/193	Sealing Ring, 1½" I.D.×2¾" O.D.×½" wide		g 3	Ports	FUEL PUBL CAM DOX AND COVERNOR I	
	10/194	Fuel Pump Control Rod Spring 3L3, 5L3,	6L3 Electric Lighting	18		THE PURISH OF A TOP AND CONTRACTOR AND	
	10/195	Fuel Pump Control Rod Spring 4L3,		O di	buodung.	ASSEALIST.Y—Local and Deck Control	
	10/196	Fuel Pump Control Box Cover Plate	Starboard	STATE OF THE PARTY	nof	FUEL PURE CAM UON AND GOVERNOR SIL	
	10/197	Setscrew, Hex. Head, 2 B.A. × 1 long, for 10/196	Engines	Bagine B	braedin	FURL FURNE CAM BOX AND GOVERNOR 113 B	
	10/198	FUEL CONTROL BOX ASSEMBLY—3 Point, Comprising 10/13, 10/19 to 10/28, 10/114, 10/180 to 10/186, 10/196, 10/197	3L3 Starboard 5L3 Starboard 6L3 Starboard			First Pemp Stars Tapper, '010' Oversion, faired with 10,37 to 10.  First Pemp Stars Tapper, '020' Oversion, faired with 10,37 to 10.	
	10/199	FUEL CONTROL BOX ASSEMBLY—4 Point, Comprising 10/14, 10/19 to 10/28, 10/114, 10/180 to 10/186, 10/196, 10/197	4L3 Starboard 8L3 Starboard		de de de	Buel Pump Convol Red Spring Cover	
		Governor has Bullet Plag		1100	LTF.	Fact Pump Control Red Spring Cover	
		Lociona, Hox. 4" Green) 's W. Hen.		Port	18	Setzeren, Chrese Head, 2 link w We long	
	2, 10[[83]	Fuel Purce Clarg Ray End Plate—with Post, fixed with 10/81, 10/8 to 10/100, 20/100			61.3	Fuel Famp Rack Connecting Link Cower, fixed with 10/171	
18	- 66170	Injection Coursel Link Support Lever Stud, fired with 10 189,			Carry I	Schenen, Chees Head, 1 P.A. S.J. Inng. forstüff.70	
		Waster, Plain, J. Bore S.J. O.D., 6sr 10/188-				Fuel Pump Insertion Plate - 3 Point, filted with 19,777	
		Spile Pio, A. dium, x 4" long, for 10/188				Fiel Pump Interfor Plate - 1 Point, Street with 10 TVI	
		Smd, A. Wh. x41" long, fired with 10/64				Fuel Pump Investion Plate - 5 Point.	
		Sealing bing, 12 LD. s12 O.D. s 2 wide				Edd Party Insertion Plate—6 Paint	50101

#### GOVERNOR-Section 11

Part No.	Description	Plate No.	Part No.	Description
11/1	Governor Casing—Port Engine—Local and Deck Control, fitted with 11/5 to 11/11	26	11/17	Split Pin, 5 diam.×1 long
11/2	Governor Casing—Starboard Engine—Local and Deck Control,		11/18	Governor Weight Pivot Pin, fitted with 11/19, for 11/14, 11/139
	fitted with 11/5 to 11/11 3L3, 4L3, 5L3,	No.	11/19	Split Pin, 54 diam.×5 long
11/3	Governor Casing—Port Engine—Cam Operated Control, fitted with 11/5 to 11/11		11/20	Governor Sleeve, fitted with 11/21
11/4	Governor Casing—Starboard Engine—Cam Operated Control,		11/21	Ball Journal Bearing
11/1	fitted with 11/5 to 11/11		11/22	Ball Thrust Washer, 7" bore
11/5	Remote Control Spindle Bush		11/23	Governor Spring Collar
11/6	Plug, Sq. Hole, 13/2-12 Thds., fitted with 11/7		11/24	Governor Spring
11/7	Packing, Circular, $1\frac{3}{4}'' \times 1\frac{11}{32}'' \times \frac{1}{32}''$		11/25	Governor Spring Guide
11/8	Lubricator mod 11 x anni la 12 part mag 11 facts		11/26	Governor Spring Lever, fitted with 11/27, Not fitted on Engines with Cam Operated Governor
11/9	Setscrew, Cheese Head, Pointed, 1 B.A. × 9 10 long	12.11	11/07	13/44 Post Post Street Spirit Care Spirits, with 11/43, 11/43 to 13/4
11/10	Stud, $\frac{5}{16}$ " Wh. $\times 1\frac{7}{16}$ " long, fitted with 11/11		11/27	Governor Spring Lever Stop
11/11	Nut, Steel, $\frac{5}{16}''$ Wh. $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex.		11/28	Governor Spring Lever Pin, fitted with 11/29
11/12	Governor Body, fitted with 11/13		11/29	Split Pin, $\frac{5}{64}$ " diam. $\times \frac{5}{8}$ " long
11/13	Setscrew, Sq. Head, Pointed, 3" B.S.F. ×7" long		11/30	Governor Adjusting Screw
11/14	Governor Weight—Type 1 (2" across the jaws), fitted with 11/15  Engines up to and including 900		11/31	Governor Adjusting Screw Stop
11/15	Governor Weight Roller (R.P.M.		11/32	Governor Adjusting Screw Ball Joint { Not fitted on Engines with Cam Operated Governor, or Stationary Engines
11/16	Roller Pin, fitted with 11/17, for 11/14, 11/139		11/33	Governor Connecting Rod, fitted with 11/34, 11/35 3L3, 4L3, 5L3, 6L3



#### GOVERNOR—Section 11

Plate No.	Part No.	Description	mis institution	Plate No.	Part No.	Description Description
26	11/34	Pin, Headed, $\frac{1}{4}$ " diam. $\times \frac{3}{4}$ " long, fitted with 11/35	TIVIL DE	26	11/52	Governor Casing Steady, fitted with 11/54
	11/35	Split Pin, 54 diam.×1 long			11/53	Accelerator Cam—Port—Forward Rotation Engines
	11/36	Governor Lever, fitted with 11/132		,636	11/54	Steady Peg, 1" diam. × 7" long
	11/37	Governor Lever Pin			11/55	Setscrew, Hex. Head, 3 Wh.×1" long×3" Hex.
	11/38	Governor Sleeve Push Rod			11/56	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 2\frac{3}{4}$ " long $\times \frac{3}{8}$ " Hex.
	11/39	Pin, Headed, $\frac{1}{4}$ " diam. $\times \frac{15}{16}$ " long, fitted with 11/40			11/57	Accelerator Cam—Starboard—Forward Rotation Engines
	11/40	Split Pin, $\frac{5}{64}$ " diam. $\times \frac{1}{2}$ " long			11/58	Governor Spring Lever, fitted with 11/27 Engines wi
	11/41	Stopping Cam Tappet Screw, fitted with 11/42			11/50	Adjusting Screw, Plain, fitted with 11/60, 11/61
	11/42	Nut, Steel, $\frac{5}{16}$ " B.S.F. $\times \frac{1}{4}$ " Hex.			11/59	Nut, Steel, $\frac{3}{8}$ " Wh. $\times \frac{3}{8}$ " $\times \frac{5}{16}$ " Hex.
	11/43	Fuel Pump Stopping Cam, fitted with 11/44 to 11/47, 11/49 to 11/5	1 12/01			11/3 Labricator
	11/44	Fuel Pump Stopping Cam Spindle, fitted with 11/43, 11/45 to 11/47	47, 11/49 to 11/51		11/61	Split Pin, 5 diam. ×1" long
	11/45	Woodruff Key			11/62	Accelerator Cam Roller Lever
	11/46	Taper Pin, No. $0 \times 1\frac{1}{8}$ " long			11/63	Accelerator Cam Roller Lever Pin, fitted with 11/64
	11/47	Friction Washer, $1'' \times \frac{1}{2}'' \times \frac{1}{16}''$		-148	11/64	Split Pin, 5 diam. × 5 long
	11/48	Fuel Pump Stopping Cam Lever			11/65	Accelerator Cam Ball Bearing Roller
	11/49	Spring Washer, 3 diam.		har o	11/66	Accelerator Cam Roller Pin, fitted with 11/67
	11/50	Castle Nut, § B.S.F.			11/67	Split Pin, $\frac{5}{64}$ " diam. $\times \frac{5}{8}$ " long
e va	11/51	Split Pin, 5, diam. ×1" long			11/68	Accelerator Cam—Port—Reverse Rotation Engines

#### GOVERNOR-Section 11

Part No.	Description	12 130	Plate No.	Part No.	Description
11/69	Accelerator Cam—Starboard—Reverse Rotation Engines		26	11/87	Injection Connecting Rod, fitted with 11/86 3L
11/70	Remote Control Cam Stop, fitted with 11/71 to 11/73, 11/75			11/88	Injection Connecting Rod, fitted with 11/86 4L
11/71	Setscrew, Sq. Head, Pointed, 5 "B.S.F.× 16" long			11/89	Injection Connecting Rod, fitted with 11/86
11/72	Adjusting Screw, Plain, fitted with 11/73, 11/75			11/90	Injection Connecting Rod, fitted with 11/86 61
11/73	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.			11/91	Injection Connecting Rod—Injection Lever End, fitted with 11/86 8L
11/74	Adjusting Screw, Knurled, fitted with 11/73			11/92	Injection Connection Lever Spring 3L3, 6L
11/75	Split Pin, $\frac{5}{64}$ " diam. $\times 1$ " long		2.18	11/93	Injection Connection Lever Spring 4L3, 8I
11/76	Remote Control Lever, fitted with 11/77			11/94	Injection Connection Lever Spring
11/77	Bolt, Hex. Head, $\frac{1}{4}$ "—28 Thds. $\times 1$ " long $\times \frac{3}{16}$ " Hex.			11/95	Governor Connecting Rod, fitted with 11/34, 11/35 8L
11/78	Forked Eye, fitted with 11/79, 11/80			11/96	Forked Eye, fitted with 11/97, 11/98  Fitted only when Cam
11/79	Pin, Headed, $\frac{1}{4}''$ diam. $\times \frac{5}{8}''$ long, fitted with 11/80			11/97	Pin, Headed, ¼" diam. × ½" long, fitted with 11/98  Operated Control or Deck Control is fitted
11/80	Split Pin, $\frac{5}{64}''$ diam. $\times \frac{1}{2}''$ long			11/98	Split Pin, $\frac{5}{64}$ diam. $\times \frac{1}{2}$ long
11/81	Injection Control Lever, fitted with 11/82			11/99	Governor Casing—Port Engine—Local and Deck Control, fitted with 11/5 to 11/9, 11/103 to 11/105
11/82	Setscrew, Sq. Head, Pointed, 1/2-28 Thds. × 1/3 long			11/100	Governor Casing-Starboard Engine-Local and Deck Control, fitted with
11/83	Forked Eye, fitted with 11/84, 11/85, for 11/87 to 11/91		HALLO S	nois	11/5 to 11/9, 11/103 to 11/105
11/84	Pin, Headed, $\frac{1}{4}$ " diam. $\times \frac{5}{8}$ " long, fitted with 11/85			11/101	Governor Casing—Port Engine—Cam Operated Control, fitted with 11/5 to 11/9, 11/103 to 11/105
11/85	Split Pin, $\frac{5}{64}''$ diam. $\times \frac{5}{8}''$ long  Nut, Steel, $\frac{5}{16}''$ B.S.F. $\times \frac{1}{4}'' \times \frac{1}{4}''$ Hex.			11/102	Governor Casing—Starboard Engine—Cam Operated Control, fitted with 11/5 to 11/9, 11/103 to 11/105



#### GOVERNOR—Section 11

Plate No.	Part No.	Description Description		1012	Plate No.	Part No.	Description
26	11/103 11/104	Governor Casing Adapter  Stud, 5" Wh. ×25" long, fitted with 11/105			26	11/118	GOVERNOR CASING—LOCAL AND DECK CONTROL  —ASSEMBLY, Comprising 11/2, 11/25 to 11/51, (and 11/96 to 11/98 for Deck Control only)  3L3, 4L3, 5L5 Starboard
B-10	11/105	Nut, Steel, $\frac{5}{16}$ Wh. $\times \frac{5}{16}$ Hex.				11/119	GOVERNOR CASING—LOCAL AND DECK CONTROL )
K.LB., x	11/106	Governor Driving Boss, fitted with 11/107					—ASSEMBLY, Comprising 11/25 to 11/32, 11/34 to 11/51, 11/95, 11/100, (and 11/96 to 11/98 for Deck Control only)
nd	11/107	Setscrew, Sq. Head, Pointed, 3"—24 Thds. ×7" long			8L3	11/120	11/11 Nat. Steel A. Wie & A. Y. Hon
elo el	11/108	Governor Driving Peg					GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/3, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/53 Forward Rotation or 11/68 Reverse 3L:
10, 814	11/109	Bolt, Hex. Head, \( \frac{5}{16}'' \) B.S.F. \( \times 3 \frac{1}{16}'' \) long \( \times \frac{1}{4}'' \) Hex., fitted with 11/111 to 11/113	\$8\11.	8L3			Rotation, 11/58 to 11/67, 11/70 to 11/87, 11/92, 11/96 to 11/98
LT8 2,	11/110	Governor Driving Spring				11/121	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/3, 11/25, 11/27 to 11/29, 11/33 to
	11/111	Washer, Steel, $\frac{5}{16}$ " bore $\times \frac{3}{4}$ " O.D.					11/51, 11/53 Forward Rotation or 11/68 Reverse Rotation, 11/58 to 11/67, 11/70 to 11/86, 11/88, 11/93, 11/96 to 11/98
Cum	11/112	Castle Nut, 5" B.S.F.	-			******	COMPANDE CAMANG CAMA OPPRATED COMPANDA
bear	11/113	Split Pin, 54 diam.×4 long				11/122	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/3, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/53 Forward Rotation or 11/68 Reverse Rotation, 11/58
	11/114	Governor Body, fitted with 11/108, 11/115			1	-//-	to 11/67, 11/70 to 11/86, 11/89, 11/94, 11/96 to 11/98
	11/115	Governor Body Bush				11/123	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/3, 11/25, 11/27 to 11/29, 11/33 to
S.TH at	11/116	GOVERNOR CASING—LOCAL AND DECK CONTROL  —ASSEMBLY, Comprising 11/1, 11/25 to 11/51, (and 11/96 to 11/98 for Deck Control only)	3, 4L3 <sub>.</sub> 5I Port	.3, 6L3			11/51, 11/53 Forward Rotation or 11/68 Reverse Rotation, 11/58 to 11/67, 11/70 to 11/86, 11/90, 11/92, 11/96 to 11/98
- 4	s SUI RE	Governor Coming—Port Englis—Com Operator Control, study of				11/124	GOVERNOR CASING—CAM OPERATED CONTROL—)
	11/117	GOVERNOR CASING—LOCAL AND DECK CONTROL  —ASSEMBLY, Comprising 11/25 to 11/32, 11/34 to	8L3 Port				ASSEMBLY, Comprising 11/25, 11/27 to 11/29, 11/34 to 11/51, 11/53 Forward Rotation or 11/68 Reverse Rotation, 8L:
	the, botto	11/51, 11/95, 11/99, (and 11/96 to 11/98 for Deck Control only)	ore Lou				11/58 to 11/67, 11/70 to 11/86, 11/91, 11/93, 11/95 to 11/98, 11/101



#### GOVERNOR-Section 11

Part No.	Description	型 - 型	Plate No.	Part No.	Description
11/125	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/4, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/57 Forward Rotation or 11/69 Reverse Rotation, 11/58 to 11/67, 11/70 to 11/87, 11/92, 11/96 to 11/98	3L3 Starboard	. p. et	11/133	Injection Control Connecting Rod—Governor End, fitted with 11/86 (Clockwise Rotation Engines Looking on Flywheel End)  Injection Control Connecting Rod—Governor End, fitted with 11/86 (Anti-Clockwise Rotation Engines Looking on Flywheel End)
11/126	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/4, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/57 Forward Rotation or 11/69 Reverse Rotation,	- 4L3 Starboard		11/135	Tension Spring, for 11/87 to 11/91, 11/134 (Automotive Only)
	11/58 to 11/67, 11/70 to 11/86, 11/88, 11/93, 11/96 to 11/98		fines	11/136	Injection Control Link Support Lever (Clockwise Rotation Engines Looking on Flywheel End)
11/127	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/4, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/57 Forward Rotation or 11/69 Reverse Rotation,	- 5L3 Starboard	of la gaile	11/137	Injection Control Link Support Lever (Anti-Clockwise Rotation Engines Looking on Flywheel End)
	11/58 to 11/67, 11/70 to 11/86, 11/89, 11/94, 11/96 to 11/98		, No. 74	11/138	Spring Post, 0 B.A.×¼" long (Anti-Clockwise Rotation Engines Looking on Flywheel End)  4L3, 5L3, 6L3, 8L3  Automotive
11/128	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/4, 11/25, 11/27 to 11/29, 11/33 to 11/51, 11/57 Forward Rotation or 11/69 Reverse Rotation, 11/58 to 11/67, 11/70 to 11/86, 11/90, 11/92, 11/96 to 11/98	- 6L3 Starboard	asso a	11/139	Governor Weight—Type 1 (2" across the jaws), fitted with 11/15 to 11/17 (Supplied only in pairs) (Superseded, see Part) 900 R.P.M.
11/129	GOVERNOR CASING—CAM OPERATED CONTROL— ASSEMBLY, Comprising 11/25, 11/27 to 11/29, 11/34 to			11/140	Governor Weight—Type 2 (2½" across the jaws), fitted with 11/15, 11/17, 11/19, 11/142, 11/143 (Supplied only in pairs)  (Superseded by 11/144, which will be supplied for replacements)  Engines up to and including 900 R.P.M.
	11/51, 11/53 to 11/67, 11/57 Forward Rotation or 11/69 Reverse Rotation, 11/70 to 11/86, 11/91, 11/93, 11/95 to 11/98, 11/102	8L3 Starboard		11/141	Governor Weight—Type 2 (2½" across the jaws), fitted with 11/15, 11/17, 11/19, 11/142, 11/143 (Supplied only in pairs) over (Superseded by 11/145, which will be supplied for replacements) 900 R.P.M.
11/130	GOVERNOR BODY ASSEMBLY, Comprising 11/12 to 11/24 (Superseded, see Part) 3L3	3, 4L3, 5L3, 6L3		11/142	Roller Pin, $\frac{1}{4}$ " diam. $\times 2\frac{18}{16}$ " long, fitted with 11/17, for 11/140, 11/141
11/131	GOVERNOR BODY ASSEMBLY, Comprising 11/14 to 11/24, 11/106 to 11/115 (Superseded, see Part) (Nos. 11/150, 11/152)	8L3		11/143	Weight Pivot Pin, $\frac{3}{8}''$ diam. $\times 2\frac{7}{8}''$ long, fitted with 11/19, for 11/140, 11/141
11/132	Bush, Plain, ¼" I.D. × ½" O.D. × ¼" long, for 11/36			11/144	Governor Weight—Type 3 (2% across the jaws), fitted with Engines up to and 11/15, 11/146 to 11/148 (Supplied only in pairs) including 900 R.P.M.



#### GOVERNOR—Section 11

Plate No.	Part No.	Description	751 MIN	Plate No.	Part No.	Description	111
	11/145		gines over 00 R.P.M.			GOVERNOR CASING CAM OPERATED CONTROL - ASSEMBLY, Comprising 116, 1428, 1127 to 1028, 1122	
	11/146	Roller Pin, ¼" diam.×2.5 " long, for 11/144, 11/145	eine i			South at their South Tout or which their south	
	11/147	Weight Pivot Pin, $\frac{3}{8}$ " diam. $\times 2\frac{5}{16}$ " long, for 11/144, 11/145				COVERNOR CLERKS CAM OFERATION CONTROL	
	11/148	Split Cotter Pin, 1/8 diam. ×2" long, for 11/144, 11/145	and a	bund	o8 6.15	ASSEAURLY, Comprising 11/4, 11/25, 11/27 to 11/25, 11/25 to 11/25, 11/25 to 11/25 Results t	
EFF	11/149	GOVERNOR BODY ASSEMBLY, Comprising 11/12, 3L3, 4L3, 11/13, 11/15, 11/20 to 11/24, 11/144, 11/146 to 11/148 5L3, 6L3	up to		10 S.L.S. Stell	GOVERNOR CASING—CAM CHERATHS CONTROL ASSEMBLE, Comprising 11/4, 11/25, 11/27 to 11/25, 11/35	
6.18 , 1	11/130	GOVERNOR BODY ASSEMBLY, Comprising 11/15, 11/20 to 11/24, 11/106 to 11/115, 11/144, 11/146 to 11/148	900 R.P.M.	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z		0 11/51, 11/57 Forward Remains or 11/69 Researc Kotalion Hibs to 11/67, 10/70 or 11/80, 11/89, 11/94, 11/94 to 11/68	
	11/151	GOVERNOR BODY ASSEMBLY, Comprising 11/12, 11/13, 11/15, 11/20 to 11/24, 11/145 to 11/148 3L3, 4L3, 5L3, 6L3	Engines over 900 R.P.M.	kraosk	pie nan	GOVIENOR CASING—CAM OFFICATIES CONTROL ASSEMBLY, Camping D.A., 1150, 1170, 1170 to 1172, 1170 to 1170, 1170 Farmed Roudon or 1170 Reverse Residen	
07 GD	11/152	GOVERNOR BODY ASSEMBLY, Comprising 11/15, 11/20 to 11/24, 11/106 to 11/115, 11/145 to 11/148	enu:			Selft or Selft Telft Toelft "Belft on Oritz "foltt ov Selft.	
grillant LIV. St.	ini ben biguwi gesti	Covernor Weight - Type 2 (22° serve in jaws), http://www.inform.com/	INIII	buod	m8.2.18	GOVERNOR CASING CAM OPERATED CONTROL  ASSEMBLY, Comprising 11 US, 11/27 to 14/28   11/24 to  Hyst. 11/23 to 11/07, 11/57 Forward Retains or 11/65  Reverse Notation, 11/70 to 11/25, 11/01, 11/25, 11/20 to 11/95  - 11/102	
30.12	a Dov		anai -	2.10		COVERNOR BODY ASSEMBLY, Comprising 11/12 to 1 at	
	[1#I\D]		Min .	t.18		GOVERNOU BODY ASSEMBLY, Comprising 10/14 to 11/24.	
LF.M	on pul	Construct Weight - Type 5 (2) across decigned, fract sich   English   11/13, 11/146, to 11/148 (Supplied willy in pairs)   meth	HITT			Such, Phin, § * I.D. v. H.* O.D. v. f.* hong, for 11/16	TEN LE



#### LUBRICATING OIL PUMP, LUBRICATING OIL DELIVERY STRAINER AND WATER STRAINERS—Section 12

Part No.	Description	Plate No.	Part No.	Description
12/1	Lubricating Pump Body, fitted with 10/66, 12/4 to 12/7, 12/16, 12/23 3L3, 4L3	27	12/19	Thrust Washer, $1\frac{1}{4}'' \times \frac{5}{8}'' \times \frac{1}{8}''$
12/2 12/3	Lubricating Pump Body, fitted with 10/66, 12/4 to 12/7, 12/17, 12/23 5L3, 6L3  Lubricating Pump Body, fitted with 10/66, 12/4 to 12/7, 12/18, 12/23 8L3		12/20	Pump Driven Pinion (Supplied only with 10/51)
12/4	Lubricating Pump Body Cover, fitted with 12/16 or 12/17 or 12/18		12/21	Castle Nut, ½" B.S.F.
12/5	Setscrew, Cheese Head, 1 B.A. × 3 "long"		12/22	Split Pin, 3 diam.×14 long
12/6	Plug, Faced, $\frac{7}{16}$ " B.S.F. $\times \frac{1}{4}$ " $\times \frac{5}{16}$ " Hex., fitted with $12/7$	mb f	12/23	Packing, Oval, 2" centres × 15" wide
12/7	Packing, Circular, $\frac{17}{32}$ " $\times \frac{3}{8}$ " $\times \frac{1}{32}$ "		12/24	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{7}{8}$ long $\times \frac{5}{16}$ Hex.  Lubricating Oil Delivery Strainer Body—Port, fitted with 12/27 to 12/30, 12/33
12/8	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{1}{4}$ " Hex.		12/25	to 12/35, 12/42
12/9	Pump Gear and Spindle, fitted with 12/12, 12/21, 12/22 (Supplied only with 12/13)  3L3, 4L3		12/26	Lubricating Oil Delivery Strainer Body—Starboard, fitted with 12/27 to 12/30, 12/33 to 12/35, 12/42
12/10	Pump Gear and Spindle, fitted with 12/12, 12/21, 12/22 (Supplied only with 12/14)  5L3, 6L3		12/27	Plug, Faced, $\frac{3}{4}$ Gas $\times \frac{3}{8}$ $\times \frac{1}{2}$ Hex., fitted with 12/28
12/11	Pump Gear and Spindle, fitted with 12/12, 12/21, 12/22 (Supplied only with 12/15)  8L3		12/28	Packing, Circular, $1\frac{3}{8}'' \times 1'' \times \frac{1}{32}''$
12/12	Woodruff Key		12/29	Stud, $\frac{5}{16}$ " Wh. $\times 2\frac{3}{16}$ " long, fitted with 12/30
12/13	Pump Idler Gear (Supplied only with 12/9) 3L3, 4L3		12/30	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.
12/14	Pump Idler Gear (Supplied only with 12/10) 5L3, 6L3		12/31	Flange, Oval, Cast Iron, Blank, 2" centres × 15" wide, fitted with 12/33
12/15	Pump Idler Gear (Supplied only with 12/11) 8L3		12/32	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{5}{16}$ " Hex.
12/16	Pump Idler Gear Spindle 3L3, 4L3		12/33	Packing, Oval, 2" centres×1½" wide
12/17	Pump Idler Gear Spindle 5L3, 6L3		12/34	Stud, 3. Wh. ×13. long, fitted with 12/35
12/18	Pump Idler Gear Spindle 8L3		12/35	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ " Hex.



#### LUBRICATING OIL PUMP, LUBRICATING OIL DELIVERY STRAINER AND WATER STRAINERS—Section 12

Plate No.	Part No.	Description		Plate No.	Part No.	Description	
27	12/36	Lubricating Oil Delivery Strainer Pipe, fitted with 12/37		27	12/54	Locknut, Steel, $\frac{1}{2}$ " Gas $\times \frac{3}{8}$ " $\times \frac{5}{8}$ " Hex.	
	12/37	Nut, Steel, $1\frac{1}{18}$ "—12 Thds. $\times \frac{1}{2}$ " $\times \frac{7}{8}$ " Hex.		Fale	12/55	Nut, Blind, ½" Gas×5" Hex.	
	12/38	Nut, Blind, $1\frac{1}{16}$ "—12 Thds $\times \frac{3}{4}$ " Hex., fitted with 12/39			12/56	Water Strainer Body, fitted with 12/58 to 12/60, 12/69	
	12/39	Packing, Circular, $1\frac{11}{16}"\times 1\frac{1}{8}"\times \frac{1}{32}"$			12/57	Strainer Cover, fitted with 12/58	- F/RI
	12/40	Oil Delivery Strainer Cage (Superseded by 12/93, which will I replacements)	be supplied for		12/58	Strainer Cover Packing	12/0
21213	12/41	Oil Delivery Strainer Cover, fitted with 12/39, 12/42 to 12/44			12/59	Strainer Cover Stud, fitted with 12/60 Wing Nut, 5" Wh.	1/81
	12/42	Packing, Circular, $4\frac{1}{4}'' \times 3\frac{3}{4}'' \times \frac{1}{16}''$			12/61	Strainer Cage	(2)3 (2)5
REL	12/43	Plug, Sq. Head, $\frac{1}{2}$ Gas $\times \frac{5}{16}$ Square, fitted with 12/44		EJEJ	12/62	Strainer Cage Spring	
	12/44	Packing, Circular, $1\frac{1}{16}'' \times \frac{3}{4}'' \times \frac{1}{32}''$ Setscrew, Hex. Head, $\frac{5}{16}''$ Wh. $\times \frac{7}{8}''$ long $\times \frac{1}{4}''$ Hex.		2,10-11	12/63	Flange, Oval, Cast Iron, 1" Gas×2½" centres×2½" wide, fitted with 12/69	3L3, 4 with Ra
	12/46	Oil Relief Valve Body, fitted with 12/33, 12/47, 12/49, 12/51		5.010	12/64	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{1}{4}$ " long $\times \frac{5}{16}$ " Hex.	21/21
	12/47	Packing, Oval, 2" centres × 15" wide		2.14.8	12/65	Flange, Oval, Brass, 1" Gas "M."×21" centres×12" wide, fitted	
	12/48	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{7}{8}$ long $\times \frac{5}{16}$ Hex.		6.18 .81	C .	with 12/69	Miles
	12/49	Packing, Oval, 17 centres × 11 wide			12/66	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times 1$ long $\times \frac{5}{16}$ Hex.	
	12/50	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{7}{8}$ long $\times \frac{5}{16}$ Hex.		T.IX	12/67	Flange, Oval, Brass, 1" bore × 21" centres × 17" wide, fitted with	12.15
	12/51	Ball, 9 diam.		146.3	IE o	12/69	BANKE
	12/52	Ball Valve Spring (same as 21/28)		5.20	12/68	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{7}{8}$ long $\times \frac{5}{16}$ Hex.	11/21
	12/53	Relief Valve Adjuster, fitted with 12/54, 12/55		ELLA	12/69	Packing, Oval, 2¼" centres ×1½" wide	aller

#### LUBRICATING OIL PUMP, LUBRICATING OIL DELIVERY STRAINER AND WATER STRAINERS-Section 12

Part No.	Description	100 -000 201 -000	Plate No.	Part No.	Description
12/70 12/71	Water Strainer Body, fitted with 12/72 to 12/74, 12/84 Strainer Cover, fitted with 12/72		27	12/85	LUBRICATING PUMP ASSEMBLY, Comprising 10/66, 12/1, 12/4 to 12/7, 12/9, 12/13, 12/16, 12/19 to 12/23 (Part No. 10/51 MUST also be supplied)
12/72	Strainer Cover Packing			12/86	LUBRICATING PUMP ASSEMBLY, Comprising 10/66, 12/2, 12/4 to 12/7, 12/10, 12/12, 12/14, 12/17, 12/19 to 12/23 (Part No. 10/51 MUST also be supplied)
12/73	Strainer Cover Stud, fitted with 12/74			12/87	LUBRICATING PUMP ASSEMBLY, Comprising 10/66, 12/3,
12/74	Wing Nut, 5 " Wh.				12/4 to 12/7, 12/11, 12/12, 12/15, 12/18 to 12/23 (Part No. 10/51 MUST also be supplied)
12/75	Strainer Cage			12/88	LUBRICATING OIL DELIVERY STRAINER ASSEMBLY, Port Comprising 12/25, 12/27 to 12/39, 12/41 to 12/44, 12/93 to 12/96 Engines
12/76	Strainer Cage Spring	6L3, 7L3, 8L3 with Ram Type		12/89	LUBRICATING OIL DELIVERY STRAINER ASSEMBLY, Starboard Comprising 12/26 to 12/39, 12/41 to 12/44, 12/93 to 12/96 Engines
12/77	Flange, Oval, Cast Iron, Blank, 3\frac{1}{8}" centres \times 3" wide, fitted with 12/84	Pump		12/90	LUBRICATING OIL RELIEF VALVE ASSEMBLY, Comprising 12/33, 12/46, 12/52 to 12/55
12/78	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times 1\frac{1}{2}$ long $\times \frac{3}{8}$ Hex.	3L3, 4L3, 5L3, 6L3, 8L3 with Centrifugal		12/91	WATER STRAINER ASSEMBLY, Comprising 12/56 3L3, 4L3, 5L3 to 12/62 with Ram Type Pump
12/79	Flange, Oval, Cast Iron, $1\frac{1}{4}$ "Gas $\times 3\frac{1}{8}$ " centres $\times 3$ " wide, fitted with $12/84$	Type Pump			6L3, 7L3, 8L3 with Ram Type Pump
12/80	Setscrew, Hex. Head, 3" Wh. ×13" long ×3" Hex.			12/92	WATER STRAINER ASSEMBLY, Comprising 12/70 3L3, 4L3, 5L3, 6L3, to 12/78  WATER STRAINER ASSEMBLY, Comprising 12/70 3L3, 4L3, 5L3, 6L3, 8L3 with Centrifugal Type Pump
12/81	Flange, Oval, Brass, 1¼" Gas "M." ×3¼" centres ×3" wide, fitted with 12/84			12/93	Lubricating Oil Strainer Cage—R.V. Type (Supplied only with 12/94 to 12/96)
				12/94	Lubricating Oil Strainer Valve (Supplied only with 12/93, 12/95, 12/96)
12/82	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times 1$ long $\times \frac{3}{8}$ Hex.			12/95	Lubricating Oil Strainer Valve Spring (Supplied only with 12/93, 12/94, 12/96)
12/83	Flange, Oval, Brass, 1¼" bore ×3¼" centres ×3" wide, fitted with		1 × 11	12/96	Lubricating Oil Strainer Valve Spring Carrier (Supplied only with 12/93 to 12/95)
	12/84			12/97	Packing, Circular, ½"×½"×½", for 12/98
12/84	Packing, Oval, 3\frac{3}{8}" centres \times 3" wide			12/98	Plug, Faced, $\frac{1}{8}''$ Gas $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex., fitted with 12/27



### LUBRICATING OIL PUMP, LUBRICATING OIL DELIVERY STRAINER AND WATER STRAINERS—Section 12

Plate No.	Part No.	Description	15/1 200	1987	Plate No.	Part No.	Description	
6.16		I. UBRICATING PINIR ASSEMBLY, Compusing 10/36, U 12/4 to 12/5, 12/6, 12/16, 12/19 to 12/23 (Pur No. )0 24/257 size-be-supplied)	08/21	re			Water Stealast Body, fired with (272 to 1271) (274)	
6.19		LEDMIN ARTHUR PUBLIC ASSESSED FOR COMPANIE 10/60, 11 12/13/10/12/10/12/12/12/14/12/17/12/19 to 12/23 (Part ) 10/51 MC18T also do excepted)					Strainer Cover Packing	
		LUBRICATING PUMP ASSEMBLY, Comprisor 10/46, 1: 12(3-40-1207-12)11, 12(12, 12)13, 12(13, 6) 12(23 (Payr No. 16 MUST also be mysplied)				Strate or Corpe Study fired with 14/14 (Wing Not. 1/2 Wh.		
rate maning		- DUBRICATING OIL DELIVERY STRAINER ASSEMBLE Comprising 12/25, 12/27 to 12/35, 12/41 to 12/44, 12/35 to 12					Straint Cage	
		LUBRICATING OIL DULIVERY STRAISER ASSECTED Comprising 1220s to 1210s to 1210s			8.15 A	N. E. P.	mings spell militari	inde.
03/01		DUBRICATING OIL RELIES VALVE ASSEMBLY, Compu				emi <sup>c</sup>	Plange, Oval, Cost Iron, Blanc, 34, convent a 7 wide, fitted with	
quo T		WATER STRAINER ABSEMBLY, Comprising 1950   Sail			0.0	di Life Lili mi diw	Sensows, Best Hout, P. Wales W. Longert Heal	
					· ventu	TypaP	Planet Dval. Cast Lon. 11° Garall' centres vill wide, fifted	
2.15		WATER STRAINER ASSEMBLY, Comprising 1970 31.8 to 1278				F	Botsmey, Mes. Heal, C' Wh. will long will Hees.	
		Committee Cit Signature Cigo - E.V. Type (Supplied only with 13					Charge Oral, Breat 117 Con "M." v.147 centres 2.17 wide, fitted, with 12004.	
		Lubricating Oil Station Valve (Supplied only with 12 93, 12/95,					Setument, Her. Fleyd, 27Wh. 81" Jong 22" Blue.	
		Labricating Ost Strainer Valve Spring (Supplied only with 12,93,- Labricating Ost Strainer Valve Spring Carrier (Supplied only with Packing, Circular, 1*×4* x 3, for 12,98					Phines, Oral, Smar, 11' bota 4.54' contract S' wide, fisted with 18,81	
		Plum Forest, P. Gas v. S. v. S. Unx. steed with 12.27					Parking, Oval, 45" centres v.3" with	

Part No.	Description	1 33 1 32	Plate No.	Part No.	Description	32 32
13/1	Fuel Filter Base, fitted with 13/2, 13/4 to 13/6, 13/9, 13/14, (Superseded by 13/48, which will be supplied for replacements)	13/15	28	13/18	Filter Vent Valve Body, fitted with 13/19, 13/45	25 13/25
13/2	Filter Cover Stud, fitted with 13/4, 13/14, 13/15			13/19	Filter Vent Valve, fitted with 13/18, 13/45	ener
13/3	Split Pin, $\frac{5}{84}$ " diam. $\times 1$ " long			13/20	Reducing Union Stock, ½" Gas×¾" Gas	
13/4	Split Pin, $\frac{3}{32}$ " diam. $\times \frac{3}{4}$ " long			13/21	Union Nut and Tail—1" Gas Nut—Tail for 5" O.D. Pipe	80.07
13/5	Plug, Cheese Head, 1 Gas, fitted with 13/6			13/22	Fuel Filter Body, fitted with 13/23, 13/24, 13/26 to 13/28, 13/30	POEL -
13/6	Packing, Circular, $\frac{17}{82}$ " $\times \frac{3}{8}$ " $\times \frac{1}{32}$ "		m to	13/23	Fuel Filter Base Plug, fitted with 13/24, 13/26	nice:
13/7	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{5}{16}$ " Hex.		100/111	13/24	Packing, Circular, $1\frac{7}{16}"\times 1\frac{3}{16}"\times \frac{1}{32}"$	
13/8	Filter Cover, fitted with 13/9, 13/15, 13/17		2-15	13/25	Drain Cock, ¼" Gas, fitted with 13/26	
13/9	Filter Cover Packing		ME I	13/26	Packing, Circular, $\frac{7}{8}'' \times \frac{9}{16}'' \times \frac{1}{32}''$	
13/10	Filter Cage—Inner		4 ngg	13/27	Filter Cover Stud, fitted with 13/28	DKE!
13/11	Filter Cage—Outer			13/28	Wing Nut, 5 " Wh.	First Fuel Filter Type 1
13/12	Filter Cage Spring			13/29	Filter Cover, fitted with 13/30, 13/32	140
13/13	Not Allocated			13/30	Filter Cover Packing	awar .
13/14	Filter Cap Nut, fitted with 13/15			13/31	Vent Cock, §" Gas, fitted with 13/32	73,61
13/15	Packing, Circular, 11/18"×132"×12"		13/87,17	13/32	Packing, Circular, $\frac{17}{32}$ " $\times \frac{3}{8}$ " $\times \frac{1}{32}$ "	- N. C.
13/16	Drain Cock, §" Gas, fitted with 13/17			13/33	Filter Cage	opt-
13/17	Packing, Circular, 5 × 3 × 3 × 1 m			13/34	Filter Cage Spring	08/11



Part No.	Description	50 mg	Plate No.	Part No.	Description
13/35	Stud Union Stock, ½" Gas×½" Gas	30C) 28		13/51	Stud Union Stock, ¼" Gas×¼" Gas
13/36	Union Nut and Tail—1" Gas Nut—Tail for 5" O.D. Pipe	0191		13/52	Stud Union Stock, 3" Gas×3" Gas
13/37	Plug, Cheese Head, 1 "Gas, fitted with 13/38	(SEE)		13/53	FUEL FILTER ASSEMBLY, Comprising 13/2, 13/4, 13/8 to 13/12, 13/14 to 13/17, 13/37, 13/38, 13/46 to 13/50
13/38	Packing, Circular, $\frac{17}{32}'' \times \frac{3}{8}'' \times \frac{1}{32}''$			GFF 3/1	FUEL FILTER ASSEMBLY—TYPE 3
13/39	Union Nut and Tail—3" Gas Nut—Tail for 3" O.D. Pipe			GFF 3/2	SUMP SUB-ASSEMBLY, Comprising Sump, Centre Spindle and Centre Stud (these items are not supplied separately)
13/40	FUEL FILTER ASSEMBLY, Comprising 13/1, 13/8 to 13/12, 13/16 to 13/21 (Superseded by 13/53, which will) be supplied for replacements	Fuel Filter on Engine Cylinder		GFF 3/3	Plug (Sump Drain also Air Vent)
13/41	FUEL FILTER ASSEMBLY, Comprising 13/1, 13/8 to 13/12, 13/16, 13/17, 13/20, 13/21, 13/37 to 13/39	First Fuel Filter—Type 2		GFF 3/4	Gasket, for GFF 3/3
	(Superseded by 13/53, which will be supplied for replacements)			GFF 3/5	Head Nut
13/42	FUEL FILTER ASSEMBLY, Comprising 13/22 to 13/36	First Fuel Filter—Type 1		GFF 3/6	C-1-+ f CEF 2/F
13/43	Packing, Circular, 3"×27"×1" (Type 3 Duplex Fuel)	ritter—Type I		GFF 3/7	Spring, for GFF 3/8
13/44	Packing, Circular, $1\frac{9}{16}"\times 1\frac{1}{8}"\times \frac{3}{32}"$ (Type 3 Duplex Fuel)			GFF 3/8	Centre Spindle Seal Support Plate
13/45	Packing, Circular, $\frac{11}{32}" \times \frac{3}{32}" \times \frac{1}{16}"$ (Type 3 Duplex Fuel)			GFF 3/9	Centre Spindle Seal
13/46	Packing, Circular, $\frac{11}{16}"\times\frac{1}{2}"\times\frac{1}{16}"$ , for 13/50			GFF 3/10	ELEMENT ASSEMBLY (with GFF 3/11) in Carton
13/47	Packing, Circular, $\frac{7}{8}'' \times \frac{5}{8}'' \times \frac{1}{32}''$ , for 13/49			GFF 3/11	Seal, for GFF 3/2, GFF 3/13, GFF 3/14
13/48	Fuel Filter Base—Type 2 & 2A, fitted with 13/2, 13/4, 13/9, 13/1 13/38, 13/46 to 13/50	14, 13/15, 13/37,		GFF 3/12	Seal, for GFF 3/10
13/49	Plug, Sq. Hole, §" Gas, fitted with 13/47			GFF 3/13	HEAD SUB-ASSEMBLY, Comprising GFF 3/3 to GFF 3/6, GFF 3/11, GFF 3/12, GFF 3/14
13/50	Plug, Faced ¼" Gas×¾"×¾" Hex., fitted with 13/46			GFF 3/14	Filter Head



Part No.	Description	pi) ver	Plate No.	Part No.	Description	72 - 40
GFF 2A/1	13/14 to 13/17, 13/37, 13/38, 13/46 to 13/50,GFF 2A/2	Fuel Filter Type <b>2</b> A				



Plate No.	Part No.	Description	Plate Stein No. 100	Plate No.	Part No.	Description	Pare
				10 pt	Foel E	FUEL FILTER ASSEMBLY, Computating 13/2, 13/8, 13/9,1 13/1+ to 13/17, 13/37, 13/38, 13/46 to 13/50,GFF 2A/2	GEF 2A/I
						Fuel Filter Element—Type 2A (ta ceme)	GEF 2A/2



Part No.	Description	tiel sun offi	Plate No.	Part No.	Description Description
14/1	Air Inlet Manifold—3 Block—Left Hand	10)// 10	29	14/19	Nut, Steel, \( \frac{1}{2}'' \text{ Wh. } \times \( \frac{1}{2}'' \times \( \frac{1}{2}'' \text{ Hex.} \\ \dots \d
14/2	Air Inlet Manifold—3 Block—Right Hand	East 1		14/20	Setscrew, Hex. Head, ¼" Wh. ×1" long × ¾" Hex., fitted with 14/21 4L3, 5L3, 6L3, 7L3, 8L3
14/3	Air Inlet Manifold—2 Block—Left Hand	19 H		14/21	Nut, Steel, $\frac{1}{4}$ Wh. $\times \frac{1}{4}$ $\times \frac{3}{16}$ Hex 4L3, 5L3, 6L3, 7L3, 8L3
14/4	Air Inlet Manifold—2 Block—Right Hand	03 14		14/22	Air Inlet Manifold Elbow, 7¼" centres
14/5	Air Muffle Elbow	Type A		14/23	Stud, $\frac{5}{16}$ " Wh.×1½" long, fitted with 14/24
14/6	Air Muffle 14 (86) 14 dries bennt gand 18 (86) 15 ogif dies C	28 24		14/24	Nut, Steel, $\frac{5}{16}''$ Wh. $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex.
14/7	Setscrew, Hex. Head, ½" Wh. ×2" long ×2" Hex., fitted with 14/8			14/25	Air Inlet Pipe, $17'' \times 6\frac{1}{2}'' \times 2\frac{1}{2}''$
14/8	Washer, Steel, $\frac{1}{4}$ " diam.  Setscrew, Hex. Head, $\frac{1}{4}$ " Wh. $\times \frac{3}{4}$ " long $\times \frac{1}{4}$ " Hex., fitted with 14/10		Clarita.	14/26	Setscrew, Hex. Head, $\frac{1}{4}$ " Wh. $\times \frac{1}{2}$ " long $\times \frac{1}{4}$ " Hex.
14/10	Washer, Steel, 1" diam.		30	14/27	Exhaust Manifold—Plain—Section A, fitted with 14/34, 14/38, 14/41, 14/110
14/11	Air Inlet Manifold—3 Block—Left Hand, fitted with 14/23, 14/24	Туре В	2015	14/28	Exhaust Manifold—Plain—Section B, fitted with 14/34, 14/38, 14/41, 14/110
14/12	Air Inlet Manifold—3 Block—Right Hand, fitted with 14/23, 14/24	To suit Engines with		14/29	Exhaust Manifold—Plain—Section C, fitted with 14/34, 14/38, 14/41, 14/110
14/13	Air Inlet Manifold—2 Block—Left Hand, fitted with 14/23, 14/24	Manifolds Arranged as	861	14/30	Exhaust Manifold—Plain—Section D, fitted with 14/34, 14/38, 14/41, 14/110
14/14	Air Inlet Manifold—2 Block—Right Hand, fitted with 14/23, 14/24	Layout "A" Plate 30	1,623/6	14/31	Exhaust Manifold—Plain—Section E, fitted with 14/34, 14/41, 14/110  Plug Faced 1"—20 Thds > 3" > 3" Hex
14/15	Air Inlet Manifold Cover		.0304	14/32	riug, racu, 2 20 rius. A 8 A 8 rich.
14/16	Setscrew, Hex. Head, $\frac{1}{4}$ " Wh. $\times \frac{5}{8}$ " long $\times \frac{1}{4}$ " Hex.	10121	24/10/3	14/33	Exhaust Manifold Gland, fitted with 14/34
14/17	Air Inlet Manifold Flange	3L3		14/34	Exhaust Manifold Gland Packing
14/18	Setscrew, Hex. Head, $\frac{1}{4}$ " Wh. $\times 1$ " long $\times \frac{3}{16}$ " Hex., fitted with $14/19$	9		14/35	Setscrew, Hex. Head, $\frac{3}{8}''$ Wh. $\times 1\frac{1}{4}'' \log \times \frac{5}{16}''$ Hex.

Plate No.	Part No.	Description	100	Plate No.	Part No.	Description	Tariff All
30	14/36	Exhaust Manifold Blank Flange, fitted with 14/38	1255	31	14/52	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.	1(3)
elle R	14/37	Exhaust Manifold Pipe Flange, 3" Gas, fitted with 14/38			14/53	Exhaust Manifold Section Packing, 64" centres	WAL.
1	14/38	Exhaust Manifold Flange Packing			14/54	Plug, Hex. Head, $\frac{1}{2}$ "—20 Thds. $\times \frac{3}{8}$ " $\times \frac{3}{8}$ " Hex. Market with the	11.64
	14/39	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{1}{4}$ " long $\times \frac{5}{16}$ " Hex., fitted with $14/40$			14/55	Flange, Oval, Cast Iron, ½" Gas × 2½" centres × 2½" wide, fitted with	14/56
	14/40	Nut, Steel, $\frac{3}{8}$ Wh. $\times \frac{3}{8}$ " $\times \frac{5}{16}$ " Hex.			14/56	Packing, Oval, 2½" centres × 2½" wide	4/11
30, 31	14/41	Washer, Steel and Asbestos, $3\frac{1}{4}'' \times 2\frac{1}{8}'' \times \frac{3}{32}''$ (same as 21/23)			14/57	Drain Pipe, ½" Gas × 25" long, fitted with 14/58, 14/59	14/5
30	14/42	Exhaust Manifold Shield, 18" long			14/58	Screwed Cap, ½" Gas, fitted with 14/59	7117
	14/43	Exhaust Manifold Shield, 183" long	7. which		14/59	Disc, Leather, 3" diam. × 16" thick	8,61
	14/44	Exhaust Manifold Shield, 27" long  (Superseded by Part Numbers 14/115 to 14/12 will be supplied for replacements. Refer to	Plate 30)		14/60	Setscrew, Hex. Head, § "Wh. ×1" long × § "Hex.	8181
	14/45	Exhaust Manifold Shield, 27\frac{3}{4}" long			14/61	Flange, Oval, Cast Iron, Blank, 2½" centres × 2½" wide, fitted with 1	4/56
31	14/46	Exhaust Manifold—Water Jacketed—Section A, fitted with 14/41, 14/50,	14/53,	0	14/62	Packing, Oval, 12" centres × 13" wide	ing.
	14/47	14/54, 14/56, 14/62, 14/65	14/50	Samuel Samuel	14/63	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{15}{16}$ " long $\times \frac{1}{4}$ " Hex.	21(3)
-10	14/41	Exhaust Manifold—Water Jacketed—Section B, fitted with 14/41, 14/50, 14/54, 14/62	14/55,	4,5	14/64	Flange, Circular, Cast Iron, Blank, 5" centres ×5\frac{3}{4}" diam., fitted with	th 14/65
	14/48	Exhaust Manifold—Water Jacketed—Section C, fitted with 14/41, 14/50,	14/53,	96	14/65	Packing, Circular, $5\frac{3}{4}'' \times 3\frac{1}{2}'' \times \frac{1}{8}''$	14/14
	14/40	14/54, 14/56, 14/62, 14/65	14/50		14/66	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{3}{8}$ " Hex.	11(11)
	14/49	Exhaust Manifold—Water Jacketed—Section D, fitted with 14/41, 14/50, 14/54, 14/62	14/53,		14/67	Flange, Circular, Cast Iron, 3" Gas×5" centres×5\(^3\)4" diam., fitted v	vith 14/65
	14/50	Exhaust Manifold Section Spigot			14/68	Setscrew, Hex. Head, 3" Wh. ×1" long × 5" Hex. ald relation	na .
	14/51	Bolt, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{3}{16}$ " long $\times \frac{1}{4}$ " Hex., fitted with $14/52$		To the	14/69	Exhaust Manifold Bracket	BIVEL



Part No.	Description		7007 MAD	Plate No.	Part No.	Description	1 200 1009 200 000
14/70	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{3}{4}$ " long $\times \frac{5}{16}$ " H	Hex.	20134	30	14/81	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/28, 14/30,	10,07
14/71	Air Inlet Pipe, $14\frac{3}{4}'' \times 6\frac{1}{2}'' \times 2\frac{1}{2}''$		20191			14/33 to 14/36, 14/38 to 14/41, 14/110, 14/116, 14/119	SWA
14/72	Stud, $\frac{1}{4}$ " Wh. $\times 1\frac{1}{2}$ " long, fitted with 14/21	Var Milet Piper	4L3, 8L3 only		14/82	EXHAUST MANIFOLD — PLAIN —	To Suit Engines
14/73	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/11, 14/17 to 14/19	3L3	autan di			ASSEMBLY, Comprising 14/27, 14/29, 14/33 to 14/36, 14/38 to 14/41, 14/110, 14/115, 14/120	with Manifolds Arranged as
14/74	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/13, 14/14, 14/20, 14/21, 14/72	4L3	Sec. Li		14/83	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/27, 14/28, 14/33 to 14/36, 14/38 to 14/41, 14/110, 14/119, 14/120  6L3	Layout "A" Plate 30
14/75	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/11, 14/14, 14/20, 14/21	5L3 Port	To Suit Engines with Manifolds Arranged	150	14/84	EXHAUST MANIFOLD — PLAIN —  ASSEMBLY, Comprising 14/29 to  14/31, 14/33 to 14/36, 14/38 to 14/41,  14/110, 14/115 to 14/117	70.85
14/76	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/12, 14/13, 14/20, 14/21	5L3 Starboard	as Layout "A" Plate 29	31	14/85	EXHAUST MANIFOLD—WATER JACKETED—ASSEM	[- ] 3T.3
14/77	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/11, 14/12, 14/20, 14/21	6L3			14/86	BLY, Comprising 14/46 to 14/48, 14/50 to 14/61, 14/64 to 14/6  EXHAUST MANIFOLD—WATER JACKETED—ASSEM	M-) 41 3
14/78	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/13, 14/14, 14/20, 14/21, 14/72	8L3	SIDE S		14/87	BLY, Comprising 14/46, 14/48, 14/49 to 14/61, 14/64 to 14/6  EXHAUST MANIFOLD—WATER JACKETED—ASSEM BLY, Comprising 14/46 to 14/61, 14/64 to 14/68	68)
14/79	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/36, 14/38 to 14/41, 14/109, 14/110, 14/118	3L3	To Suit Engines with Manifolds		14/88	EXHAUST MANIFOLD—WATER JACKETED—ASSEM BLY, Comprising 14/46 to 14/61, 14/64 to 14/68	5L3 Starboard
14/80	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/29, 14/30,	Todynes Manif	Arranged as Layout "A"		14/89	EXHAUST MANIFOLD—WATER JACKETED—ASSEM BLY, Comprising 14/46 to 14/61, 14/64 to 14/68	6L3
	14/33 to 14/36, 14/38 to 14/41, 14/110, 14/115, 14/116	- 4L3	Plate 30		14/90	EXHAUST MANIFOLD—WATER JACKETED—ASSEM BLY, Comprising 14/46, 14/48 to 14/61, 14/64 to 14/68	I- } 8L3



Plate No.	Part No.	Description	Pare	Staff 1	Plate No.	Part No.	Description	Test See
	14/91	Exhaust Manifold Section Packing, 6-5 " centres				14/105	Air Inlet Pipe, $11\frac{3}{4}'' \times 6\frac{1}{2}'' \times 2\frac{1}{2}''$	
	14/92	Packing, Circular, $1\frac{1}{16}'' \times \frac{25}{32}'' \times \frac{1}{32}''$ (Exhaust Manifold Cleaning Hole Plug )				14/106	Air Inlet Pipe, $9'' \times 12_8''' \times 2_2^{1''}$	
	14/93	Air Inlet Manifold—2 Block—Left Hand, fitted with 14/70, 14/102			only	14/107	Air Inlet Pipe, $11\frac{3}{4}'' \times 12\frac{7}{8}'' \times 2\frac{1}{2}''$	
nignes rifolds id-as	14/94	Air Inlet Manifold—2 Block—Right Hand, fitted with 14/23, 14/24				14/108	Air Inlet Pipe, $14\frac{3}{4}'' \times 12\frac{7}{8}'' \times 2\frac{1}{2}''$	
30	14/95	Air Inlet Manifold—2 Block—Left Hand, fitted with 14/23, 14/24				14/109	Exhaust Manifold—Plain—Section F, fitted with 14/38, 14/41, 14/	/110
	14/96	Air Inlet Manifold—2 Block—Right Hand, fitted with 14/70, 14/102			sonigai	14/110	Plug, Faced, \(\frac{1}{4}\)" Gas \(\times \frac{3}{8}\)" \(\times \frac{3}{8}\)" Hex.	
	14/97	Air Inlet Manifold—3 Block—Left Hand, fitted with 14/23, 14/24	To Suit Engi with Manifo Arranged a	lds s	bad bad nan	14/111	Exhaust Manifold Pipe Flange, $3\frac{1}{2}''$ Gas, fitted with $14/38$ Bolt, Hex. Head, $\frac{3}{8}''$ Wh. $\times 1\frac{7}{8}'' \times \frac{5}{16}''$ Hex., fitted with $14/40$	
8.3	14/98	Air Inlet Manifold—3 Block—Left Hand, fitted with 14/23, 14/24	Layout "B Plate 29		en.	14/113	Exhaust Manifold Pipe Connection, 4" Gas, fitted with 14/38	
3	14/99	Air Inlet Manifold—3 Block—Right Hand, fitted with 14/23, 14/24				14/114	Exhaust Manifold Pipe Connection, 4½" Bore, fitted with 14/38	
tro?	14/100	Air Inlet Manifold—5 Block—Port, fitted with 14/23, 14/24				14/115	Exhaust Manifold Shield, 163" long	
modu	14/101	Air Inlet Manifold—5 Block—Starboard, fitted with 14/23, 14/24			Bagines	14/116	Exhaust Manifold Shield, 183" long with I	it Engines Manifolds nged as
3	14/102	Air Inlet Manifold Cover, for 14/93, 14/96			Living	14/118	Exhaust Manifold Shield, 25" long Layou	ut "A"
	14/103	Air Inlet Manifold Elbow, 13¼" centres			12.5	14/119	Exhaust Manifold Shield, 25% long	
13	14/104	Air Inlet Pipe, $4\frac{3}{8}'' \times 6\frac{1}{2}'' \times 2\frac{1}{2}''$			122	14/120	Exhaust Manifold Shield, 27" long	

Part No.	Description		The Day	Plate No.	Part No.	Description	5 139		
14/121	Exhaust Manifold Shield, $16\frac{9}{16}''$ long  Exhaust Manifold Shield, $18\frac{1}{16}''$ long				14/134	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/36, 14/38 to 14/41, 14/109, 14/110, 14/124			
14/123 14/124	Exhaust Manifold Shield, 185" long  Exhaust Manifold Shield, 25" long	To Suit Engines with Manifolds Arranged as Layout "B"		with Manifolds ast Manifold Shield, 25" long  with Manifolds Arranged as			14/135	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/29, 14/30, 14/33 to 14/35, 14/36, 14/38 to 14/41, 14/110, 14 /121,14/122	
14/125 14/126 14/127	Exhaust Manifold Shield, $25\frac{1}{16}''$ long  Exhaust Manifold Shield, $27\frac{1}{16}''$ long  Exhaust Manifold Shield, $27\frac{5}{8}''$ long		late 30		14/136	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/27, 14/29, 14/33 to 14/35, 14/36, 14/38 to 14/41, 14/110, 14/121, 14/126  EXHAUST MANIFOLD — PLAIN — 5L3 Port	To Suit Engines		
14/128	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/17 to 14/19, 14/23, 14/24, 14/97	3L3			14/137	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/28, 14/30, 14/33 to 14/35, 14/36, 14/38 to 14/41, 14/110, 14/121, 14/126  Starboard	with Manifolds Arranged as Layout "B" Plate 30		
14/129	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/20, 14/21, 14/23, 14/24, 14/70, 14/72, 14/93, 14/94, 14/102  AIR INLET MANIFOLD ASSEMBLY, Comprising 14/23, 14/24, 14/100	4L3 5L3 Port	To Suit Engines with Manifolds Arranged as Layout "B" Plate 30	th Manifolds Arranged as ayout "B"		14/138	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/27, 14/28, 14/33 to 14/36, 14/38 to 14/41, 14/110, 14/125, 14/126  6L3		
14/131	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/23, 14/24, 14/101  AIR INLET MANIFOLD ASSEMBLY,	5L3 Starboard			14/139	EXHAUST MANIFOLD — PLAIN — ASSEMBLY, Comprising 14/29 to 14/31, 14/33 to 14/36, 14/38 to 14/41, 14/110, 14/121 to 14/123			
14/132	Comprising 14/20, 14/21, 14/23, 14/24, 14/98, 14/99	6L3			14/140	Flange, Oval, Cast Iron, $\frac{1}{4}''$ Gas $\times 2\frac{1}{2}''$ centres, fitted with 14/56			
14/133	AIR INLET MANIFOLD ASSEMBLY, Comprising 14/20, 14/21, 14/23, 14/24, 14/70, 14/72, 14/93 to 14/96, 14/102	8L3							



Plate No.	Part No.		Description .	11.77	wist -	Plate No.	Part No.		Description	BU
			EXHAUST MANHOLD — PLAIN — ASSEMBLY, Comprising 14-76, 14-78 to							14/121
										14,122
							r Bugines familoida			151163
							m bog	smā (		121761
11-1							T 08 at	213		14/125
	Son Errina with Man folds Arranges an Lavour "AB". Plate 30									11/126
early										12/127
_ nn_										REI Al
						sinis	a sut 6			16028
						ebio	ionto dis boguno A			051141
								Stational		
										SELIFE
								E.I.s	AIR INLET NANIFOLD ASSEMBLY, Compraint (4/20, 14/21, 14/25, 14/24, 14/70, 14/72, 14/97 to 14/96, 14/102	ELIVE .

Part No.	Description	Piate No.	Part No.	Description
15/1	Lubricating Oil Cooler Pipe—Outer—Section A, fitted with 15/8, 15/14, 15/45, 15/46	32	15/18	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1$ " long $\times \frac{3}{8}$ " Hex.
	15MS - Plant Escale F Conself These, must with 15316	Boston	15/19	Flange, Oval, Cast Iron, 1" Gas × 25 centres × 21 wide, fitted with 15/14
15/2	Lubricating Oil Cooler Pipe—Outer—Section B, fitted with 15/8, 15/14, 15/45, 15/46		15/20	Flange, Oval, Cast Iron, $1\frac{1}{4}$ " Gas $\times 2\frac{5}{8}$ " centres $\times 2\frac{1}{2}$ " wide, fitted with 15/14
15/3	Lubricating Oil Cooler Pipe—Outer—Section C, fitted with 15/8, 15/14	rdeo s	15/21	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{1}{4}$ " long $\times \frac{3}{8}$ " Hex.
15/4	Lubricating Oil Cooler Pipe—Outer—Section D, fitted with 15/8, 15/14	reline =	15/22	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32
15/5	Lubricating Oil Cooler Pipe—Outer—Section E, fitted with 15/8, 15/14		15/02	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8,
15/6	Plug, Faced, $\frac{1}{2}$ "—20 Thds. $\times \frac{3}{8}$ " $\times \frac{3}{8}$ " Hex., fitted with 15/7		15/23	15/28, 15/32
15/7	Packing, Circular, 1"×½"×½" × ½"		15/24	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32
15/8	Packing, Circular, $4\frac{1}{8}" \times 2\frac{1}{4}" \times 3\frac{3}{8}"$ centres			== rainwaree maaoo a ara bult korsilua - keri Port
15/9	Bolt, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{5}{16}$ " Hex., fitted with 15/10		15/25	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32  6L3
15/10	Nut, Steel, $\frac{3}{8}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ " Hex.		15/26	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32
15/11	Bolt, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1$ " long $\times \frac{5}{18}$ " Hex., fitted with 15/10			
15/12	Oil Cooler Swivel Bolt, fitted with 15/10 (Indented Tube Cooler)	75	15/27	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32
15/13	Flange, Oval, Cast Iron, Blank, $2\frac{5}{8}''$ centres $\times 2\frac{1}{2}''$ wide, fitted with 15/14		15/28	Packing, Oval, 2" centres×15" wide
15/14	Packing, Oval, 25" centres × 2½" wide		15/29	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{5}{16}$ " Hex., fitted with 15/30
15/15	Setscrew, Hex. Head, 3" Wh. ×2" long		15/30	Nut, Steel, $\frac{5}{16}''$ Wh. $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex.
15/16	Flange, Oval, Brass, 1" bore $\times 2\frac{5}{8}$ " centres $\times 2\frac{1}{2}$ " wide, fitted with 15/14		15/31	Lubricating Oil Cooler Flange—Chaincase End, fitted with 15/8, 15/32 Indented Tube
15/17	Flange, Oval, Brass, $1\frac{1}{4}$ " bore $\times 2\frac{5}{8}$ " centres $\times 2\frac{1}{2}$ " wide, fitted with 15/14		15/32	Joint Ring, 2 <sup>3</sup> "O.D.× <sup>1</sup> Sectional diam.



Plate No.	Part No.	Description	Plate No.	Part No.	Description	l h	
32	15/33	C.J. Union (2 Pieces), 3 O.D. Pipe × 3 Gas "M.," supplied with 21/72		15/44	Joint Ring, 27 O.D. ×1 Sectional Diam. (Multi-Tube Cooler)		
	15/34	Lubricating Oil Cooler Bracket (Non-Unit Construction Engines with Indented		15/45	Plug, Faced, ½" Gas×3"×3" Hex., fitted with 15/46		
	-atomi do	Tube Oil Cooler)		15/46	Packing, Circular, 116"×12"×16"		
	15/35	Lubricating Oil Cooler Steady Bracket 7L3, 8L3 only		15/47	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32	3L3	)
	15/36	Lubricating Oil Cooler Bracket Stationary Engines only		15/48	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32	4L3	
	15/37 15/38	Setscrew, Hex. Head, \( \frac{5}{16}'' \) Wh. \( \times \frac{7}{8}'' \) long \( \times \frac{5}{16}'' \) Hex.  LUBRICATING OIL COOLER ASSEMBLY —		15/49	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32	5L3	Star
	13/00	INDENTED TUBE TYPE, Comprising 15/1, 15/10 3L3 to 15/15, 15/22, 15/31 to 15/33, 15/45, 15/46		15/50	I believe O'l Code Die Install Facel Stade in	6L3	
Port	15/39	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/15, 15/23, 15/31 to 15/33, 15/45, 15/46  LUBRICATING OIL COOLER ASSEMBLY— 4L3		15/51	Lubricating Oil Cooler Pipe—Inner—Indented, fitted with 15/8, 15/28, 15/32	8L3	
	15/40	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/15, 15/24, 15/31 to 15/33, 15/45, 15/46  Description:		15/52	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/1, 15/10 to 15/15, 15/31 to 15/33, 15/45 to 15/47	3L3	
	15/41	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/3, 15/8 to 15/15, 15/25, 15/31 to 15/33, 15/45, 15/46		15/53	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/15, 15/31 to 15/33, 15/45, 15/46, 15/48	4L3	
	15/42	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/4, 15/5, 15/8 to 15/15, 15/26, 15/31 to 15/33, 15/45, 15/46		15/54	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/15, 15/31 to 15/33, 15/45, 15/46, 15/49	5L3	Star
alug i	15/43	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/4, 15/5, 15/8 to 15/15, 15/27, 15/31 to 15/33, 15/45, 15/46		15/55	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/3, 15/8 to 15/15, 15/31 to 15/33, 15/45, 15/46, 15/50	6L3	



Part No.	Description Description	Plate No.	Part No.	Description		
15/56	LUBRICATING OIL COOLER ASSEMBLY— INDENTED TUBE TYPE, Comprising 15/2, 15/4, 15/5, 15/8 to 15/15, 15/31 to 15/33, 15/45, 15/46, 15/51  Starboard	bush	15/70	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/59, 15/63 to 15/67	4L3	
15/57	Lubricating Oil Cooler Bracket (Engines with Multi-Tube Oil Cooler and Unit-Construction Engines with Indented Tube Oil Cooler)  Flange, Oval, Brass, 1½" Bore ×2½" centres ×2½" wide, fitted with 15/14		15/71	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/60, 15/63 to 15/67	5L3	
15/59	Lubricating Oil Cooler Pipe—Inner—Multi-Tube, fitted with 15/8, 15/44 4L3  Lubricating Oil Cooler Pipe—Inner—Multi-Tube, fitted with 15/8, 15/44 5L3		15/72	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/3, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/61, 15/63 to 15/67	6L3	Port
15/61 15/62 15/63	Lubricating Oil Cooler Pipe—Inner—Multi-Tube, fitted with 15/8, 15/44 6L3  Lubricating Oil Cooler Pipe—Inner—Multi-Tube, fitted with 15/8, 15/44 8L3  Lubricating Oil Cooler Flange—Chaincase End, fitted with 15/8, 15/44 (Multi-		15/73	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/4, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/62 to 15/67	8L3	
15/64 15/65	Tube Cooler)  Bolt, Hex. Head, 3" Wh. ×13" long × 5" Hex., fitted with 15/10  Oil Cooler Swivel Bolt, fitted with 15/10 (Multi-Tube Cooler)		15/74	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/59, 15/63 to 15/66, 15/68	4L3	
15/66 15/67	C.J. Union (2 pieces), 1" O.D. Pipe×1" Gas "M.", suppplied with 21/67  Lubricating Oil Cooler Flange—Flywheel End, fitted with 15/8, 15/28 Port  (Multi-Tube Cooler)		15/75	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/60, 15/63 to 15/66, 15/68	5L3	Starboard
15/68 15/69	Lubricating Oil Cooler Flange—Flywheel End, fitted with 15/8, 15/28 (Multi-Tube Cooler)  Setscrew, Hex. Head, 3" Wh.×13" long×3" Hex.		15/76	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/3, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/61, 15/63 to 15/66, 15/68	6L3	



Plate No.	Part No.	Description	d. ve	Plate No.	Part No.	Description	製
	15/77	LUBRICATING OIL COOLER ASSEMBLY—MULTI- TUBE TYPE, Comprising 15/2, 15/4, 15/5, 15/8 to 15/10, 15/13 to 15/15, 15/28, 15/44 to 15/46, 15/62 to 15/66, 15/68	> Starboard	Tipo	Nea -	LLBRUCATING OTL COOLER ASSESSELL - IN COUNTRY COMPANIE 1512 1515 1515 1515 1515 1515 1515 151	
		TOUR TYPE, Company 1512, 1515, 1510.		-toni-I	bac roles	Lobrication Oil Cooke, Bracket (Engines with Multi-Vines Oil C Construction Regimes with Industrial Parts Oil Cooker	
		15 13 W 15/13 15/28, 15/44 to 15/16, 15/60, 15/63 to	2011111			Blance Ocal Break 115 Bord 215 content of 15 with 4 wills 1	
PID				2.15	- 43	Lubricating Chi Conlet Pipe - Liner - Multi-Tube, tited with 15 %	
		ZZ ZAUBISUCATING OIL GOOLES ASSEMBLY-MULTI- TURE TYPE, Compute og 15/2, 15/0, (5/8; to 15/10)- 15/15 to 15/15, 15/25, 15/45 to 15/40, 15/61, 15/61 to		Liz	145	Labelcating Oil Cooler Pape - Inner - Madie Phile, fired with 15th,	
				133	1912	Labricating Oil Coder Pape Lange Multi-Tube, fired with 15/4)	
	E.	FILTERIC ATING OTH COOLER ASSEMBLY MULTICAL TURE TYPE, Comprising 15/2, 15/4, 13/5, 15/8 to 15/10, 1		6.10	- 49(8)	habiteuting Oil Codes Pipe - Image-Mathi-Tube, fired with 1519;	
		70.21		-älu	N) WALL	Labrication Oil Cooler Plange-Chaineau Ends famed with 12 S. Tube Gooles;	
	1	T.UBRICATING OIL COOLER ABBRIETS—MULTI- TURE TYPE, Commissing 15,2, 19,5, 45,3 to 4510. 1513 to 1515, 1508, 1548 to 1516, 1518, 1545 to 15,66,1518				Help Her. Frank, 7 Wh. w 17 long c & Here. March with 15:10.  Off Cooler State I halt, fitted with 15:10 (Maint-Tolk Cooler)	
	p)		1		Taris	C.J. Union 12 pieces], 1" Q.D. Pige e 1" (the " M.", unggphed with	
					et   85	Lubricating Gil Cooler Plange—Physical End. Stad with 1518, 13. (Vinta-Tube Cooler)	
	1.1		(8)	Inso	huit   14	Labelening-Oil Cooler Flange - Freehoof Dest, fideal with 15 ft [15], 151, 151, 151, 151, 151, 151, 151,	
	13					Season, No. Heat, P. Willer, & Tong S. Ling.	

e Part No.	Description		Plate No.	Part No.	Description	
16/1	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 3L3	01 1 80	33	16/19	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 3L3	
16/2	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 4L3		Dated	16/20	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 4L3	
16/3	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 5L3	Port,		16/21	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 5L3	Starboard,
16/4	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 6L3	Forward Rotation		16/22	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 6L3	Forward Rotation
16/5	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 7L3		rigo	16/23	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 7L3	
16/6	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 8L3/			16/24	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 8L3	
16/7	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 3L3			16/25	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/333L3	
16/8	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 4L3			16/26	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/33. 4L3	
16/9	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 5L3	Starboard, -Forward Rotation		16/27	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/335L3	
16/10	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 6L3			16/28	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/336L3	
16/11	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 7L3			16/29	Pine C. Delivery Strainer to Distribution Pine fitted with	9 - 1 - 1
16/12	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23 8L3	8		- Age	12/33, 16/37 7L3	
16/13	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 3L3			16/30	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/33, 16/37	
16/14	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 4L3			834	47 Lige D. Datriboten to Main Dearings, faind with 1984	
16/15	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 5L3	Port,		16/31	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/333L3	
16/16	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 6L3	Forward Rotation	btsed	16/32	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/334L3	Starboard
16/17	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 7L3	1		16/33	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/335L3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
16/18	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47 8L3			16/34	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/336L3	

Plate No.	Part No.	Description	Plate No.	Part No.	Description	20
33	16/35	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 12/33, 16/37	33	16/52	Locknut, Steel, $\frac{1}{2}''$ Gas $\times \frac{3}{8}'' \times \frac{3}{8}''$ Hex.	1,81
	16/36	Pipe C, Delivery Strainer to Distribution Pipe, fitted with 8L3		16/53	Pipe E, Branch to Main Bearing—Flywheel End	Port
bsod	age Edel	12/33, 16/37		16/54	Pipe E, Branch to all Bearings except Flywheel End	Will .
noite	16/37	Packing, Oval, 2" centres × 1 g" wide	andi	16/55	Pipe E, Branch to Main Bearing—Flywheel End	Ctanha
	16/38	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{1}{4}$ " Hex., fitted with $16/39$ 7L3, 8L3 only		16/56	Pipe E, Branch to all Bearings except Flywheel End	Starbo
	16/39	Nut, Steel, $\frac{5}{16}$ Wh. $\times \frac{5}{16}$ Hex.		16/57	Pipe F, to Pressure Gauge—Port	7(6)
100	16/40	Pipe D, Distribution to Main Bearings, fitted with 16/52 3L3		16/58	Pipe F, to Pressure Gauge—Starboard	1601
White	16/41	Pipe D, Distribution to Main Bearings, fitted with 16/52 4L3		16/59	Not Allocated with the second of the second	8(8)
	16/42	Pipe D, Distribution to Main Bearings, fitted with 16/52 5L3	.Ballsil	16/60	Pipe G, Distribution to Valve Levers	18/10 ·
	16/43	Pipe D, Distribution to Main Bearings, fitted with 16/52 6L3	nub	16/61	Pipe G, Distribution to Valve Levers	
	16/44	Pipe D, Distribution to Main Bearings, fitted with 16/37, 16/527L3		16/62	Pipe G, Distribution to Valve Levers	
	16/45	Pipe D, Distribution to Main Bearings, fitted with 16/37, 16/52 8L3		16/63	Pipe G, Distribution to Valve Levers	
	16/46	Pipe D, Distribution to Main Bearings, fitted with 16/52 3L3		16/64	Pipe G, Distribution to Valve Levers	XX 03.
	16/47	Pipe D, Distribution to Main Bearings, fitted with 16/52 4L3		16/65	Pipe G, Distribution to Valve Levers	11/01-
	16/48	Pipe D, Distribution to Main Bearings, fitted with 16/52 5L3		16/66	Pipe H, "U" Pipe to Valve Levers	81/81
brack	16/49	Pipe D, Distribution to Main Bearings, fitted with 16/52 6L3	hoin	16/67	Pipe J, "U" Pipe to Valve Levers	8L3
	16/50	Pipe D, Distribution to Main Bearings, fitted with 16/37, 16/52 . 7L3		16/68	Pipe K, Delivery from Strainer, fitted with 12/49 3L	Port
	16/51	Pipe D, Distribution to Main Bearings, fitted with 16/37, 16/528L3		16/69	Pipe K, Delivery from Strainer, fitted with 12/49 4L	- mooning



Part No.	Description	P	late No	Part No.	Description
16/70	Pipe K, Delivery from Strainer, fitted with 12/49 5L3		33	16/87	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{5}{16}$ " Hex., fitted with 16/88
16/71	Pipe K, Delivery from Strainer, fitted with 12/49 6L3			16/88	Nut, Steel, $\frac{5}{16}''$ Wh. $\times \frac{5}{16}'' \times \frac{5}{16}''$ Hex.
16/72	Pipe K, Delivery from Strainer, fitted with 12/49 7L3			16/89	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 3L3
16/73	Pipe K, Delivery from Strainer, fitted with 12/49 8L3			16/90	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 4L3
16/74	Pipe K, Delivery from Strainer, fitted with 12/49 3L3			16/91	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 5L3
16/75	Pipe K, Delivery from Strainer, fitted with 12/49 4L3			16/92	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 6L3
16/76	Pipe K, Delivery from Strainer, fitted with 12/49 5L3	board		16/93	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 7L3
16/77	Pipe K, Delivery from Strainer, fitted with 12/49 6L3			16/94	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 8L3
16/78	Pipe K, Delivery from Strainer, fitted with 12/49 7L3	1	undi	16/95	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 3L3
16/79	Pipe K, Delivery from Strainer, fitted with 12/49 8L3			16/96	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 4L3
16/80	Pipe L, Strainer to Oil Cooler—Port, fitted with 12/49, 15/28			16/97	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 5L3
16/81	Pipe L, Strainer to Oil Cooler—Starboard, fitted with 12/49, 15/28			16/98	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 6L3
16/82	Pipe M, Delivery from Oil Cooler, fitted with 16/86 3L3			16/99	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 7L3
16/83	Pipe M, Delivery from Oil Cooler, fitted with 16/86 4L3, 5L3, 6L3, 7L3, 8L3			16/100	Pipe N, Delivery from Oil Cooler, fitted with 16/86, 16/101 8L3
16/84	Pipe M, Delivery from Oil Cooler, fitted with 16/86 3L3			16/101	Packing, Oval, 2" centres × 1½" wide
16/85	Pipe M, Delivery from Oil Cooler, fitted with 16/86 {4L3, 5L3, 6L3, 7L3, 8L3}	ooard	morte	16/102	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times 1\frac{1}{16}$ long $\times \frac{5}{16}$ Hex., fitted with 16/103
16/86	Packing, Oval, 2" centres × 15" wide			16/103	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ " Hex.



Plate No.	Part No.	Description		1 72	Plate No.	Part No.	Description	1185	15
33	16/104	Pipe O, to Governor and Gears, fitted with 16/101	3L3		33	16/122	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	8L3	Pe
	16/105	Pipe O, to Governor and Gears, fitted with 16/101	4L3				To the real first real and and product of equi-	174	Re
	16/106	Pipe O, to Governor and Gears, fitted with 16/101	5L3	-Port		16/123	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	3L3	1
	16/107	Pipe O, to Governor and Gears, fitted with 16/101	6L3	FIOR		16/124	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	4L3	8
	16/108	Pipe O, to Governor and Gears, fitted with 16/101	7L3			16/125	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	5L3	St
	16/109	Pipe O, to Governor and Gears, fitted with 16/101	8L3)			16/126	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	6L3	Re
	16/110	Pipe O, to Governor and Gears, fitted with 16/101	3L3\			16/127	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	7L3	
	16/111	Pipe O, to Governor and Gears, fitted with 16/101	4L3		Litzori	16/128	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	8L3/	
	16/112	Pipe O, to Governor and Gears, fitted with 16/101	5L3			16/129	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	3L3	1
	16/11	Pipe O, to Governor and Gears, fitted with 16/101	6L3	Starboard		16/130	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	4L3	
	16/114	Pipe O, to Governor and Gears, fitted with 16/101	7L3			16/131	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	5L3	Re
nod il	16/115	Pipe O, to Governor and Gears, fitted with 16/101	8L3			16/132	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	6L3	
	16/116	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{5}{16}$ " Hex.				16/133	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	7L3	
	16/117	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	3L3			16/134	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	8L3/	
	16/118	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	4L3			16/135	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	3L3	1
	16/119	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	5L3	Port, Reverse	determina	16/136	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	4L3	Sta Re Ro
	16/120	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	6L3	Rotation		16/137	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	5L3	
	16/121	Pipe A, Foot Valve to Pump, fitted with 2/156, 12/23	7L3	HE TO		16/138	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47	6L3	



#### LUBRICATING OIL PIPES—Section 16

Part No.	Description	1005 SAPS	Plate No.	Part No.	Description	
16/139 16/140 16/141 16/142 16/143	Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47  Pipe B, Pump to Delivery Strainer, fitted with 12/23, 12/47  Packing, Circular, 13"×27"×16" (Sump Pump Suction Pipe Connection)  Packing, Circular, 1"×1"×16" (Sump Pump Suction Pipe Stock  Packing, Circular, 1"×2"×16" (Sump Pump Suction Pipe Stock  Packing, Circular, 116"×25"×16" (Lubricating Oil Thermometer)	7L3) Starboard, Reverse 8L3) Rotation				



#### LUBRICATING OIL PIPES—Section 16

Plate No.	Part No.	Description	188	I	Plate No.	Part No.	Description	105
						DE TEST	Pipe B) Fomp to Delivery Strainer, fitted with 12/93, 12/47	orrar
					polisi	68 (6.18)	Type II, Furng to Delivery Stimber. Bitted with 1893, 12-17	
					192		Packing, Circular, 14" > 14" > 14" ( Super Print Residue)	16291
							Packing, Circular, I'x   Tx & C (time Page Sums)	16/132
							Processor Later and the control of t	E+1\01

## GARDNER.

### FUEL PIPES—Section 17

Part No	Description	Plate No.	Part No.	Delectron	Description	100 (100) 100 (100)
17/1	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 3L3	34	17/18	Sprayer Pipe—No. 1 Cylinder	Spayer Bigs—No. 5 Cylis fo	38,71 (8)
17/2	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 4L3	brand	17/19	Sprayer Pipe—No. 2 Cylinder	il viene en en en en en	3L3 Starboard
17/3	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 5L3		17/20	Sprayer Pipe—No. 3 Cylinder	Sprayer Eipe—No. 6 Cylin	au fi
17/4	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 6L3		17/21	Sprayer Pipe—No. 1 Cylinder	Sproyer Pipe—No. 1 Cylin	85(11
17/5	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 7L3		17/22	Sprayer Pipe—No. 2 Cylinder	Springer Plans - No. 2 Cylin le	4L3 Port
17/6	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 8L3		17/23	Sprayer Pipe—No. 3 Cylinder	Sprayer Pipe—No. & Optiols	IRVI
17/7	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 3L3\		17/24	Sprayer Pipe—No. 4 Cylinder	Sprayer Pipe-No. & Cylin	SEAL
17/8	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 4L3		17/25	Sprayer Pipe—No. 1 Cylinder	Spanie Pipe-World Oylio (s	17/43
17/9	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 5L3		17/26	Sprayer Pipe—No. 2 Cylinder	Species Pipe - No. 8 Cylinder	4L3 Starboard
17/10	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 6L3		17/27	Sprayer Pipe—No. 3 Cylinder	Sprayer Pape—No. 1 Cylinds	O(B)
17/11	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 7L3		17/28	Sprayer Pipe—No. 4 Cylinder	Sprayer Pipe—No. 2 Cytol	DATE:
17/12	Fuel Pump Supply Pipe, fitted with 17/14, 10/119 8L3	l I	17/29	Sprayer Pipe—No. 1 Cylinder	Sprayer Piper-No. 3 Cylinde	73-71
17/10	E. J. D C		17/30	Sprayer Pipe—No. 2 Cylinder	Sprayer Pips—No. 4 Cylinde	SIMI
17/13	Fuel Pump Supply Pipe Air Vessel, fitted with 17/14		17/31	Sprayer Pipe—No. 3 Cylinder	Menon winger.	5L3 Port
17/14	Packing, Circular, $1\frac{1}{4}'' \times \frac{13}{16}'' \times \frac{1}{32}''$		17/32	Sprayer Pipe—No. 4 Cylinder	Sprayes Pipe—No. 6 Cylindia	17/00
17/15	Sprayer Pipe—No. 1 Cylinder		17/33	Sprayer Pipe—No. 5 Cylinder	Sprayer Pipe—No. 1 Cylin lo	10/51
17/16	Sprayer Pipe—No. 2 Cylinder		17/34	Sprayer Pipe—No. 1 Cylinder	Sprayer Pine-Nos P. Cellique	5L3 Starboard
17/17	Sprayer Pipe—No. 3 Cylinder		17/35	Sprayer Pipe—No. 2 Cylinder	Sprayer Phys.—No. 3 Cylinda	DE Starboard
		1				The second secon



### FUEL PIPES—Section 17

Plate No.	Part No	Description	Description	100 100	Plate No.	Part No.	Description	151
34	17/36	Sprayer Pipe—No. 3 Cylinder	Sprayur Pipe—No. 1 Cylinder		34	17/54	Sprayer Pipe—No. 4 Cylinder	Z(T)
	17/37	Sprayer Pipe—No. 4 Cylinder	And in all and any and a	5L3 Starboard		17/55	Sprayer Pipe—No. 5 Cylinder	
	17/38	Sprayer Pipe—No. 5 Cylinder	Sprayer Pipe—No. 3 Cylinske			17/56	Sprayer Pipe—No. 6 Cylinder	7L3 P
	17/39	Sprayer Pipe—No. 1 Cylinder	Springer Ring-No. 1 Cylins/			17/57	Sprayer Pipe—No. 7 Cylinder	
	17/40	Sprayer Pipe—No. 2 Cylinder	Spayer Pape—No. 2 Cylinder	2201		17/58	Sprayer Pipe—No. 1 Cylinder	
	17/41	Sprayer Pipe—No. 3 Cylinder	Sprayer Pipe—No. 3 Cylinder	AT D. D.		17/59	Sprayer Pipe—No. 2 Cylinder	
	17/42	Sprayer Pipe—No. 4 Cylinder	Spenjer Page No. 4 Cylinder	6L3 Port		17/60	Sprayer Pipe—No. 3 Cylinder	
	17/43	Sprayer Pipe—No. 5 Cylinder	Spriger Pipe No. 1 Opinda	min .		17/61	Sprayer Pipe—No. 4 Cylinder	7L3 S
	17/44	Sprayer Pipe—No. 6 Cylinder	Sprayer Pipe—No. 2 Cylindd	00,51		17/62	Sprayer Pipe—No. 5 Cylinder	
	17/45	Sprayer Pipe—No. 1 Cylinder	Sprayer Eygs—Vo. 3 Cylind	tarr Fra	buod	17/63	Sprayer Pipe—No. 6 Cylinder	
	17/46	Sprayer Pipe—No. 2 Cylinder	Sprayer Pipe No. 4 Cylinder	SLITE		17/64	Sprayer Pipe—No. 7 Cylinder	
	17/47	Sprayer Pipe—No. 3 Cylinder	Spayer Pipu-No. 1 Cylinler	OI O Ct. 1		17/65	Sprayer Pipe—No. 1 Cylinder	21/11
	17/48	Sprayer Pipe—No. 4 Cylinder	Sprayer Pipe-No. 1 Cylinder	6L3 Starboard		17/66	Sprayer Pipe—No. 2 Cylinder	
17	17/49	Sprayer Pipe—No. 5 Cylinder	Spayer Pipe-No. 3 Cylinda	2070		17/67	Sprayer Pipe—No. 3 Cylinder	
	17/50	Sprayer Pipe—No. 6 Cylinder	Spares Pips—No. & Cylind	20171		17/68	Sprayer Pipe—No. 4 Cylinder	8L3 Pe
	17/51	Sprayer Pipe—No. 1 Cylinder	Sparses Price—No. b Cylinder	COTE		17/69	Sprayer Pipe—No. 5 Cylinder	
	17/52	Sprayer Pipe—No. 2 Cylinder		7L3 Port	molf o	17/70	Sprayer Pipe—No. 6 Cylinder	
modulate.	17/53	Sprayer Pipe—No. 3 Cylinder	Sprayer Brew-N. 2 Cyllinder			17/71	Sprayer ripe—10. 1 Cymraer	
	1,50	- Z-1, 1. Z.pc 210. 6 Cylinder	WHEN S WIT - SHOT MANUEL	90/21		17/72	Sprayer Pipe—No. 8 Cylinder	

# GARDNER.

### FUEL PIPES-Section 17

Part No.	Description	Plate No.	Part No.	Description	2250 med 4 2005 med 4
17/73	Sprayer Pipe—No. 1 Cylinder	34	17/91	Sprayer Overflow Pipe	. 3L3\
17/74	Sprayer Pipe—No. 2 Cylinder		17/92	Sprayer Overflow Pipe	. 4L3
17/75	Sprayer Pipe—No. 3 Cylinder		17/93	Sprayer Overflow Pipe	. 5L3 Starboard
17/76	Sprayer Pipe—No. 4 Cylinder		17/94	Sprayer Overflow Pipe	6L3
17/77	Sprayer Pipe—No. 5 Cylinder  Sprayer Pipe—No. 5 Cylinder		17/95	Sprayer Overflow Pipe	7L3
			17/96	Sprayer Overflow Pipe	8L3/
17/78	Sprayer Pipe—No. 6 Cylinder		17/97	Union Tail, fitted with 17/98	
17/79	Sprayer Pipe—No. 7 Cylinder		17/98	Union Nut, fitted with 17/97	
17/80	Sprayer Pipe—No. 8 Cylinder		17/99	Set of Sprayer Pipes, Comprising 17/15 to 17/17	. 3L3)
17/81	Pipe Clip, 2—1" Pipes (2 Pieces), fitted with 17/84		17/100	Set of Sprayer Pipes, Comprising 17/21 to 17/24	
17/82	Pipe Clip, 3—1" Pipes (2 Pieces), fitted with 17/84		17/101	Set of Sprayer Pipes, Comprising 17/29 to 17/33	
17/83	Pipe Clip, 4—1" Pipes (2 Pieces), fitted with 17/84		17/102	Set of Sprayer Pipes, Comprising 17/39 to 17/44	Port
17/84	Setscrew, Cheese Head, 1B.A. × 9 " long		17/103	Set of Sprayer Pipes, Comprising 17/51 to 17/57	7L3
17/85	Sprayer Overflow Pipe 3L3\		17/104	Set of Sprayer Pipes, Comprising 17/65 to 17/72	8L3
17/86	Sprayer Overflow Pipe 4L3		17/105	Set of Sprayer Pipes, Comprising 17/18 to 17/20	3L3)
		-	17/106	Set of Sprayer Pipes, Comprising 17/25 to 17/28	4L3
17/87	Sprayer Overflow Pipe 5L3		17/107	Set of Sprayer Pipes, Comprising 17/34 to 17/38	5L3 Starboard
17/88	Sprayer Overflow Pipe 6L3		17/108	Set of Sprayer Pipes, Comprising 17/45 to 17/50	
17/89	Sprayer Overflow Pipe 7L3		17/109	Set of Sprayer Pipes, Comprising 17/58 to 17/64	7L3
17/90	Sprayer Overflow Pipe 8L3		17/110	Set of Sprayer Pipes, Comprising 17/73 to 17/80	8L3



#### FUEL PIPES—Section 17

Plate No.	Part No.	Description	78.1	- a 1	Plate No.	Part No.	Description	32
		Sprayer Overflow Pipe						ETT
					i Pan			
busedust		a Sprayer Charlest Erps		a A	Limot			12/320
		Sprayer Overflow Pipe				Dan 2 2 18		07/71
		Sprayer Overflow Pipe						TAFF
		Upiten That, fitted with 17/98						Briti
1,4		Union Mar, sined with 1797						62/21
		Sin of Spinyer Pipes, Comprising 17/16 to 17/17						
		Set of Sprayer Papes, Comprising 17 21 to 17/22					Pipe Clip, 2—["Pipes (2 Picces), fitted with 17,64	17/81
		Set of Sprayer Pipes, Comprising 17/29 to 17/85					Pipe Clip, 3—17 Pipes (3 Pieces), fitted with 17:84	E8/7.1
nes		Set of Sprayer Pipes, Comprising 17/59 to 17/64					Pipe Clip, 4—1" Pipes (2 Picces), fitted with 17/84	
	2.11	Set of Sprayer Pipes, Comprising 17/51 to 17/57					Satseren, Cheese Head, 1 H.A. × & Long	
		Set of Sprayer Pipes, Comprising 17/55 to 17/72					Sprager Overflow Pipe	
		Set of Spireyer Pipes, Comprising 17/18 to 17/30					Sprayer Occificy Pipe	
1474		Set of Sprayer Piges, Comprising 17/28 to 17/28 at the comprising					Sprayer Overflow Pipe	
Surboard		Set of Sprayer Pipes, Comprising 17/54 to 17/58			1	E.IA		
		Set of Sprayer Pines, Comprising 17/15 to 17/30					Sprayer Overslow Pape	17/88
		Set of Sprayer Pipes, Comprising 17/68 to 17/64					Spriver Overflow Pipe	
		Set of Sprayer Pipes, Compresse (7/72 to 17/80			L	18.18	Sprayer Overflow Pipe	

## GARDNER

Part No.	Description				Plate No.	Part No.	Description
. 48/81	TYPE A, i.e., WITH RAM TYPE WATER PO COOLER PLAIN EXHAUST MANIFOL CONTROL PIPE FROM WATER OUTL	D AN	D TEMPE	RATURE	35	18/13	Ram Water Pump Delivery Connection, fitted with 3L3, 4L3, 5/51, 18/16, 18/18 Types A and B
18/1	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	} 3L3	ma8 SH		101,	18/14	Ram Water Pump Delivery Connection, fitted with 5/51, 18/17, 18/18  5L3, Types A and B
18/2	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	} 4L3	onid I I illi		1002.5	18/15	Ram Water Pump Delivery Connection, fitted with 6L3, 8L3, 6/47, 18/17, 18/18 Types A and B
18/3	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	} 5L3	Port		347.5	18/16	Connection Hose, 1½" bore, fitted with 18/18
18/4	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	6L3	asa   2N		35, 36	18/17	Connection Hose, 13 bore, fitted with 18/18
18/5	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	} 7L3	ndr ov	11		18/18	Hose Clip
18/6	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	} 8L3	mq* TH	See Notes	35	18/19	Water Inlet Pipe Bend, fitted with 18/16 to 18/18 4L3  Water Inlet Pipe Bend, fitted with 18/17, 18/18 5L3, 6L3
18/7	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	3L3	T	on Plate No. 35	(S, 23) Viral	18/21	Water Inlet Pipe Bend, fitted with 18/17, 18/18 7L3, 8L3
18/8	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	} 4L3	ena tak		66.8	18/22	Cylinder Water Inlet Pipe, fitted with 1/17, 18/16, 18/18 3L3 Port  Cylinder Water Inlet Pipe, fitted with 1/17, 18/16, 18/18 3L3 Starboard
18/9	Inlet Water Pipe—Cooler to Pump Suction, fitted with 5/51, 15/14	5L3	Starboard		35, 36	18/23	Cylinder Water Inlet Pipe, fitted with 1/17, 18/16, 18/18 3L3 Starboard  Cylinder Water Inlet Pipe, fitted with 1/17, 18/17, 18/26 4L3, 5L3, 6L3, 7L3, 8L3  Port and Starboard
18/10	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	6L3	Starboard	1		18/25	Here Cook 1" Cas fitted with 18/26 (3L3 Type C
18/11	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	} 7L3	(53 Fina			18/26	Packing, Circular, $1\frac{1}{16}$ " $\times \frac{25}{32}$ " $\times \frac{1}{32}$ "
18/12	Inlet Water Pipe—Cooler to Pump Suction, fitted with 6/47, 15/14	} 8L3	12 P		Edia	18/27	Plug, Sq. Hole, ½" Gas, fitted with 18/26 8L3 only

# GARDNER

Plate No.	Part No.	Description	Plate No.	Part No.	Description
37	18/28	Cylinder Water Outlet Pipe, 21¼" long, fitted with 1/33, 18/34, 18/37 (Superseded by 18/145 or 18/149, which will be supplied for replacements)  3L3 Port	37	18/40	Flange, Oval, Brass, $1\frac{1}{2}$ " bore $\times 3\frac{1}{8}$ " centres $\times 3$ " wide, fitted with 18/64
	18/29	Cylinder Water Outlet Pipe, 24 3 3 Starboard long, fitted with 1/33, 18/34, 18/37, 5L3 Starboard Cylinders Nos. 1, 2 & 3	N 1	18/41	Flange, Oval, Cast Iron, Blank, 2\frac{1}{4}" centres \times 2" wide, fitted with 18/37
	d bar A	18/51 or 18/55, 18/52 6L3 Starboard ,, ,, 1, 2 & 3 (Superseded by 18/145 or 18/149 for 8L3, 18/147 or 18/152 for 5L3) and 6L3, which will be supplied for replacements		18/42	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1$ " long $\times \frac{5}{16}$ " Hex., fitted with 18/43
	18/30	Cylinder Water Outlet Pipe, 2418" (6L3 Port and Starboard Cylinders Nos. 4, 5 & 6		18/43	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ " Hex.
		long, fitted with 1/33, 18/34, 18/37 6L3 Port , 1,2&3 (Superseded by 18/147 or 18/152 for 5L3 and 6L3, which will be)		18/44	Flange, Oval, Cast Iron, Blank, $2\frac{5}{8}''$ centres $\times 2\frac{1}{2}''$ wide, fitted with $18/34$
	18/31	Cylinder Water Outlet Pipe, 15 3 / 4L3 Port and Starboard 3 & 4 long, fitted with 1/33, 18/34, 18/37 5L3 Port and Starboard 4 & 5		18/45	Setscrew, Countersunk Head, 3" Wh. ×7" long, for 18/44, 18/144
		8L3 Port and Starboard (Superseded by 18/146 or 18/150 for 4L3 & 5L3, 18/146 or 18/148 or 18/151 or 18/154 for 8L3 which will be supplied for replacements)		18/46	Temperature Control Tee, fitted with 18/34
Ç.li	18/32	Cylinder Water Outlet Pipe, 15 3 long, fitted with 1/33, 4L3 Starboard  18/34, 18/37, 18/51 or 18/55, 18/52  (Superseded by 18/146 or 18/150, which will) be supplied for replacements	anto M	18/47	Temperature Control and Thermometer Tee—Type 1, fitted with 18/34, 18/60
E.1+ ,8	18/33	Cylinder Water Outlet Pipe Extension, fitted with 18/34, 3L3, 4L3, 5L3, 6L3 18/51 or 18/55, 18/52  Port Engines only	stall 525	18/48	Temperature Control and Thermometer Tee—Type 1, fitted with 18/34, 18/60, 18/64, 18/192, 18/193 (Superseded by 18/143, which will)
hw'i Kill	18/34	Packing, Oval, $2\frac{5}{8}$ " centres $\times 2\frac{1}{2}$ " wide, for 18/28 to 18/32, 18/46 to 18/50, 18/53 18/54, 18/144 to 18/148, 18/150 to 18/152, 18/159, 18/176, 18/178		18/49	Flange, Oval, Brass, 1" bore × 25" centres × 2½" wide, fitted with 18/34
	18/35	Setscrew, Countersunk Head, $\frac{3}{8}$ Wh. $\times \frac{7}{8}$ long 3L3, 4L3, 5L3, 6L3,		18/50	Flange, Oval, Brass, $1\frac{1}{4}$ " bore $\times 2\frac{5}{8}$ " centres $\times 2\frac{1}{2}$ " wide, fitted with 18/34 5I
bar	18/36	Setscrew, Hex. Head, 3" Wh. ×1" long ×3" Hex.		18/51	Stud, 3" Wh. ×3" long, fitted with 18/52, for 18/49, 18/50
	18/37	Packing, Oval, 2½" centres × 1½" wide		18/52	Nut, Steel, $\frac{3}{8}$ Wh. $\times \frac{3}{8}$ Hex.
	18/38	Setscrew, Hex. Head, $\frac{5}{16}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{5}{16}$ " Hex., fitted with 18/39		18/53	Flange, Oval, Cast Iron, 1" Gas × 25 centres × 2½" wide, fitted with 18/34
ylin fall	18/39	Nut, Steel, $\frac{5}{16}$ Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ Hex.		18/54	Flange, Oval, Cast Iron, 1½" Gas×25" centres×2½" wide, fitted with 18/34



Part No.	Description	123	Plate No.	Part No.	Description
18/55 18/56	Stud, $\frac{3}{8}$ " Wh. $\times 3\frac{1}{4}$ " long, fitted with 18/52, for 18/53, 18/54 Nipple, Parallel, $\frac{3}{4}$ " Gas		35	ascar da	TYPE B, i.e., WITH RAM TYPE WATER PUMP, LUBRICATING OIL COOLER, WATER JACKETED EXHAUST MANIFOLD AND TEMPERATURE CONTROL PIPE FROM WATER OUTLET ON EXHAUST MANIFOLD TO WATER PUMP
18/57 18/58	Union Cock, 3" Gas  Thermometer, fitted with 18/60			- 28(61-4) - 28(81-40)	NOTE.—PIPES FROM THE LUBRICATING OIL COOLER TO THE WATER PUMP AND FROM THE WATER PUMP TO THE CYLINDER BLOCKS ARE THE SAME AS THOSE USED ON TYPE "A."
18/59	Thermometer Refill			18/72	Exhaust Manifold Water Pipe—Upper, fitted with 1/33, 18/77
18/60	Packing, Circular, $1\frac{1}{16}" \times \frac{25}{32}" \times \frac{1}{32}"$ , for 18/58, 18/160			18/73	Not Allocated Section Allocated 1978 (1978)
18/61	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times \frac{7}{8}$ long $\times \frac{3}{8}$ Hex.			18/74	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times 1\frac{3}{4}$ long $\times \frac{3}{8}$ Hex.
18/62	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times 1$ long $\times \frac{3}{8}$ Hex., for 18/40	8581	1	18/75	Setscrew, Hex. Head, 3 Wh.×1" long×3" Hex.
18/63	Setscrew, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{5}{16}$ " long $\times \frac{3}{8}$ " Hex., for 18/65, 18/144	8	BL3	18/76	Exhaust Manifold Water Pipe—Lower, fitted with 14/62, 18/77
18/64	Packing, Oval, 3½" centres×3" wide, for 18/40, 18/65, 18/188	nobet	lymod.	18/77	Packing, Oval, 17 centres × 13 wide wide with the second of the second o
18/65	Flange, Oval, Cast Iron, $1\frac{1}{2}$ "Gas $\times 3\frac{1}{8}$ " centres $\times 3$ " wide, fitted with $18/64$	1017/01		18/78	Setscrew, Hex. Head, $\frac{5}{18}$ " Wh. $\times \frac{7}{8}$ " long $\times \frac{5}{16}$ " Hex.  Temperature Control and Thermometer Tee, fitted with 14/56, 18/81, 18/82
18/66	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3	when when		18/80	Plug, Sq. Hole, ½" Gas, fitted with 18/81
18/67	Temperature Control Pipe, fitted with 6/47 6L3	tarboard  se pipes are to suit Types A & C when fon Air Vessel is NOT fitted to pump 18/229 to 18/284 when Suction Air tel is fitted)		18/81	Packing, Circular, $1\frac{1}{16}'' \times \frac{3}{4}'' \times \frac{1}{32}''$
18/68	Temperature Control Pipe, fitted with 6/47 8L3	t Types NOT fi		18/82	Packing, Oval, $2\frac{1}{2}''$ centres $\times 2\frac{1}{8}''$ wide
18/69	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3	d e to sui		18/83	Flange, Oval, Brass, 1" bore $\times 2\frac{1}{2}$ " centres $\times 2\frac{1}{8}$ " wide, fitted with 18/82
18/70	Temperature Control Pipe, fitted with 6/47 6L3	Starboard lese pipes are trion Air Vess e 18/229 to ssel is fitted)		18/84	Flange, Oval, Brass, $1_4^{1''}$ bore $\times 2_2^{1''}$ centres $\times 2_8^{1''}$ wide, fitted with $18/82$
18/71	Temperature Control Pipe, fitted with 6/47 8L3	Sta These suction (See 1)		18/85	Bolt, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{1}{8}$ " long $\times \frac{3}{8}$ " Hex., fitted with 18/86, for 18/83, 18/84



Plate No.	Part No.	Description Description	Plate No	Part No.	Description	
35	18/86	Nut, Steel, $\frac{3}{8}$ " Wh. $\times \frac{3}{8}$ " $\times \frac{3}{8}$ " Hex.	35		TYPE C, i.e., WITH RAM TYPE WATER PUMP, LUBRICA COOLER, WATER JACKETED EXHAUST MANIFOLD	AND
201.H	18/87	Flange, Oval, Cast Iron, 1" Gas $\times 2\frac{1}{2}$ " centres $\times 2\frac{1}{4}$ " wide, fitted with 18/82	HA.		PERATURE CONTROL PIPE FROM WATER OUTLET TO	ro v
HT O	18/88	Bolt, Hex. Head, $\frac{3}{8}$ Wh. $\times 1\frac{3}{8}$ long $\times \frac{3}{8}$ Hex., fitted with 18/86, for 18/87		18/97	Water Pipe—Pump to Manifold, fitted with 14/56, 3L3, 4L3	1
acted.	18/89	Flange, Oval, Cast Iron, 1½" Gas×2½" centres×2½" wide, fitted with 18/82			78 Themometer, fitted with 1870	AF.
	18/90	Bolt, Hex. Head, $\frac{3}{8}$ " Wh. $\times 1\frac{7}{8}$ " long $\times \frac{3}{8}$ " Hex., fitted with 18/86, for 18/89		18/97	Water Pipe—Pump to Manifold, fitted with 14/56, 18/138, 18/140 5L3	Pos
	18/91	Nipple, Parallel, ¾" Gas		18/98	Water Pipe—Pump to Manifold, fitted with 14/56, 18/18, 18/139 6L3, 7L3, 8L3	
-14	18/92	Union Cock, 3" Gas			61 Setsorew, Hex. Mead, P. Wil., al. Jong x P. Hon.	
	18/93	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3 Port		18/99	Water Pipe—Pump to Manifold, fitted with 14/56, 18/138, 18/140 3L3, 4L3	a)
	18/94	Temperature Control Pipe, fitted with 6/47 6L3, 7L3, 8L3	Daile	18/99	Water Pipe—Pump to Manifold, fitted with 14/56, 18/138, 18/140	Sta
	18/95	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3		10/100	W D	
	18/96	Temperature Control Pipe, fitted with 6/47		18/100	Water Pipe—Pump to Manifold, fitted with 14/56, 18/18, 18/139 6L3, 7L3, 8L3	
8	18/80 Ja	81 (07) I single single and Tandesment's Goe betrack sum request 1978).		18/101	Water Pipe—Outlet from Manifold, fitted with 14/56, 18/17, 18/18	
	4	1878) Phig. Sq. Hole, Co., Find with Live!		18/102	Water Pipe—Outlet from Manifold, fitted with 14/56,	d
		18/81 Furding Charles 1 L VC V. L			18/17, 18/18 4L3, 5L3	D
		15 (2) Pedang, God, 31 contras / 32 wide		18/103	Water Pipe—Outlet from Manifold, fitted with 14/56, 18/17, 18/18	Por
	- 55	15.51 Planet, Ovel, Brain, P. beits Alf. vantus x.14. utda, fined valle. It		18/104	Water Pipe—Outlet from Manifold, fitted with 14/56, 8L3	1
	188/9	Later Letter Court, Brance Office out the section of Section 11 witer, fitted with 1			18/17, 18/18	1
NED JO	the not	18.55 Bully Then, Head, \$1 Williams \$2 Head, Breed with 16/86,		18/105	Water Pipe—Outlet from Manifold, fitted with 14/56, 3L3 Starboar 18/17, 18/18	rd

## GARDNER.

Part No.	Description	18 19	Plate No.	Part No.	Description	- TE   TE
18/106	Water Pipe—Outlet from Manifold, fitted with 14/56, 18/17, 18/18	5L3	36		TYPE D, i.e., WITH CENTRIFUGAL TYPE WATER MANIFOLD AND WITH OR WITHOUT GARDNER OIL COOLER.	
18/107	Water Pipe—Outlet from Manifold, fitted with 14/56, 18/17, 18/18	- Starboard	36	18/110	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14	463(8)
18/108	Water Pipe—Outlet from Manifold, fitted with 14/56, 18/17, 18/18	0) 8I EI		18/111	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14  Port	See Notes
18/109	Cylinder Water Inlet Elbow, fitted with 1/17, 18/17, 18/18, 18/26		£.IR	18/112	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14	on Plate No. 36
{ .tz\1.				18/113	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14	oard
f .earys		anai	Port	18/114 18/115	Water Pump Delivery Connection, fitted with 4/13, 18/17, 18/18.  Water Inlet Pipe Bend, fitted with 18/17, 18/18, 18/139	5L3, 6L3
Proper		294/81	\$1000 1.8	18/116	Water Inlet Pipe, fitted with 1/17, 4/13	3L3 Port
				18/117	Water Inlet Pipe, fitted with 1/17, 4/13	. 3L3 Starboard
1000		997(81		18/118	Temperature Control Pipe, fitted with 4/19  To suit Engines with S.L.G. Water Pump and Manual Temper-	3L3, 4L3 Port
COLE				18/119	Temperature Control Pipe, fitted with 4/19	3, 4L3 Starboard
		WHI	brane	18/120	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14	#E1)B1
		81/81		18/121	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14 Port	See Notes on Plate No. 36
			-J 1670	18/122	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14	



Plate No.	Part No.	Description	Plate No.	Part No.	Description
36	18/123	Inlet Water Pipe—Cooler to Pump Suction, fitted 35L3 with 4/13, 15/14	35, 36	18/137	Water Pump Delivery Connection, fitted with 4/13 6L3, 8L3, 7 or 6/47, 18/18, 18/139
	18/124	Inlet Water Pipe—Cooler to Pump Suction, fitted with 4/13, 15/14 Starboard See Notes on Plate	35	18/138	Connection Hose, 1" Bore, fitted with 18/140
	18/125	Inlet Water Pipe—Cooler to Pump Suction, fitted 8L3	35, 36	18/139	Connection Hose, 1½" bore, fitted with 18/18
	niet in the	with 4/13, 15/14	35	18/140	Hose Clip
olc:T	18/126	Water Pump Delivery Connection, fitted with 4/13, 18/18, 18/127	36	18/141	Temperature Control Pipe, fitted with 18/183  To suit Engines with S.L.G. Water Pump and Automatic
	18/127	Connection Hose, 15" bore, fitted with 18/18		18/142	Temperature Control Pipe, fitted with 18/183 Temperature Control 8L3 Sta
	10/12/	Commetted 11030, 18 Bote, fitted with 10/10		18/143	Temperature Control and Thermometer Tee-Type 2, fitted with 1/33,
- 16 - 36	18/128	Water Inlet Pipe Bend, fitted with 18/17, 18/18 5L3, 6L3		,	18/26, 18/27, 18/60, 18/64, 18/155, 18/192, 18/193
i.L	18/129	Water Inlet Pipe Bend, fitted with 18/18, 18/127 8L3 Port		18/144	Thermostat Housing—Type 1, fitted with 18/34, 18/60, 18/161 to 18/164, 18/166, 18/182 to 18/186 (Superseded by 18/181, which will)
my 8	18/130	Water Inlet Pipe Bend, fitted with 18/18, 18/127 8L3 Starboard		18/145	Cylinder Water Outlet Pipe, 20½" long, without chokes, 3L3 Port
naudai	18/131	Cylinder Inlet Pipe, fitted with 1/17, 18/18, 8L3 18/26, 18/127			fitted with 1/33, 18/34 and Starboard
out L	18/132	Temperature Control Pipe, fitted with 4/19 / 5L3, 6L3		18/146	Cylinder Water Outlet Pipe, 14 15 long, without chokes, fitted with 1/33, 18/34 L3 Cyl. Nos. 1 & 2, 3 & 4 5
rsody	18/133	Temperature Control Pipe, fitted with 4/19 To suit Engines with S.L.G. 8L3			8L3 ,, ,, 1&2,7&8
	18/134	Temperature Control Pipe, fitted with 4/19  Water Pump Annual Temperature Control  Stark and		18/147	Cylinder Water Outlet Pipe, $23\frac{15}{16}$ long, 5L3 Cyl. Nos. 1, 2 & 3
TaX	18/135	Temperature Control Pipe, fitted with 4/19 Starboard			without chokes, fitted with 1/33, 18/34 6L3 1, 2 & 8 6L3 4, 5 & 6
35	18/136	Water Pump Delivery Connection, fitted with 5/51, 18/138, 18/140  3L3, 4L3, 5L3, Type C		18/148	Cylinder Water Outlet Pipe, $10\frac{15}{16}''$ long, without chokes, fitted with $1/33$ $8L3$ Cyl. Nos. 3, 6

# GARDNER

### WATER PIPES—Section 18

Part No.	Description		Plate No.	Part No.	Descrip	ption	1 1000   1000
18/149	Cylinder Water Outlet Pipe, $20\frac{1}{2}$ long, with chokes, fitted with 1/33, 18/34, 18/155 3L3 Port and Starbox	ard dund	ž.ik.	18/164 18/165	Packing, $\frac{3}{8}$ " O.D. $\times \frac{7}{32}$ " I.D. $\times \frac{1}{16}$ ", for 18/1 Stud, $\frac{5}{16}$ " Wh. $\times 1\frac{5}{16}$ " long, fitted with 18/1		T 18781
18/150	Cylinder Water Outlet Pipe, $14\frac{15}{16}''$ long, $4L3$ Cyl. Nos. 1 & 2, 3 & 4 with chokes, fitted with 1/33, 18/34, 18/156 5L3 Cyl. Nos. 4 & 5	Water		18/166	Nut, $\frac{5}{16}$ Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.	100, 101 10/137	PE SHOW
18/151	Cylinder Water Outlet Pipe, 14\frac{15}{16}" long, with chokes, fitted with 1/33, 18/34, 18/155 \} 8L3 Cyl. Nos. 1 & 2, 7 & 8	Ram Type		18/167	Thermostat Water Outlet Connection Pack	IstalW. A venue	{ 3L3, 4L3, 5L3, 6L3
18/152	Cylinder Water Outlet Pipe, $23\frac{15}{16}$ long, $5L3$ Cyl. Nos. 1, 2 & 3 with chokes, fitted with 1/33, 18/34, 18/156 $6L3$ Cyl. Nos. 1, 2 & 3, 4, 5	with		18/168	Thermostat "Drop-in Unit," Type X435: Thermostat "Drop-in Unit," Type X435:	Mary St. Int.	8 28/(8) = 12 08/(8) 12
18/153	Not allocated	nes fitted		18/170	Thermostat "Drop-in Unit," Type X435	17/13	r ward
18/154	Cylinder Water Outlet Pipe, $10\frac{15}{16}$ long, with chokes, fitted with 1/33, 18/155 $8L3$ Cyl. Nos. 3, 6	Engines		18/171	Thermostat Water Outlet Connection, fitte 18/177, 18/180	ed with 18/34, 18/16	57, {3L3, 4L3, 5L3, 6L3, 8L3
18/155	Water Outlet Pipe Choke, 7 diam. Hole	Will a		18/172	Temperature Control Pipe		3L3, 4L3 Port
18/156	Water Outlet Pipe Choke, 13 diam. Hole	25815		18/173	Temperature Control Pipe	With S.L.G. Water Pump and Automatic Temperature	3L3, 4L3 Starboard
18/157	Water Outlet Pipe Choke, 15" diam. Hole	Sal		18/174	Temperature Control Pipe	Control	5L3, 6L3 Port
18/158	Setscrew, Hex. Head, $\frac{3}{8}$ Wh. $\times 1\frac{3}{8}$ long $\times \frac{5}{16}$ Hex., for $18/144$	ERI.		18/175	Temperature Control Pipe		5L3, 6L3 Starboard
18/159	Thermostat Housing, fitted with 18/34, 18/60, 18/160 to 18/167 { 31	L3, 4L3, 5L3, 6L3		18/176	Adapter, Oval Flange, Brass, 15" Bore ×2	g" centres, fitted wit	h 18/34
18/160	Plug, Square Hole, ½" Gas, fitted with 18/60	18(8)		18/177	Stud, $\frac{3}{8}$ " Wh. $\times 1\frac{5}{8}$ " long, fitted with 18/180	0, for 18/176	e3 203163
18/161	Plug, Square Hole, 3" Gas, fitted with 18/162	15901		18/178	Adaptor, Oval Flange, Cast Iron, 12 Gas	×25" centres, fitted	with 18/34
18/162	Packing, $\frac{7}{8}$ " O.D. $\times \frac{5}{8}$ " I.D. $\times \frac{1}{32}$ ", for 18/161, 18/239	19/21	EAD	18/179	Stud, 3" Wh. ×23" long, fitted with 18/180	0, for 18/178	
18/163	Thermostat Locating Screw, fitted with 18/164			18/180	Nut, $\frac{3}{8}$ " Wh. $\times \frac{3}{8}$ " $\times \frac{5}{16}$ " Hex.		(S)(W

When ordering it is IMPORTANT to quote the Number of the Engine, and also the Number of the Part,

# GARDNER.

Plate No.	Part No.	Description	T.	HINK I	Plate No.	Part No.	Dancipose	Description		197
	18/181	Thermostat Housing—Type 2, fitted with 1/33, 18/60, 18/161 to 1 18/166, 18/182 to 18/186	8/164,	}8L3		18/198	Stud, §" Wh.×4 18" long, fitted	1 with 18/180		eather .
	18/182	Flange, Oval, Cast Iron, Blank, 21 centres × 17 wide, fitted with 18	3/183			18/199	Temperature Control Pipe		3L3, 4L3, 5L3,	, 6L3 Por
73.0	18/183	Packing, Oval, 2½" centres ×1½" wide, for 18/141, 18/142, 18/182				18/200	Temperature Control Pipe	To suit Engines with Automatic Temperature Control and C.G. Type Water Pump	3L3, 4L3, 5L3	3, 6L3 Sta
. 3	18/184	Setscrew, 5 " Wh. ×1" long, for 18/182				18/201	Temperature Control Pipe	Type Water Pump	8L3 Port	
	18/185	Stud, 5 "Wh. ×13" long, fitted with 18/166, for 18/181		177		18/202	Temperature Control Pipe	Julian Baba jas	8L3 Starboard	
	18/186	Thermostat Water Outlet Connection Packing				18/203	Water Flow Indicator Body (Th	nis Indicator Body will only as an Assem	be supplied) 3L3	3, 4L3, 5L
	18/187	Thermostat Water Outlet Connection, fitted with 18/64, 18/186	8L3			18/204	Water Flow Indicator Body (Th	nis Indicator Body will only as an Assemi	be supplied)	12 HET
513,	18/188	Flange, Oval, Brass, 15" Bore × 31" centres, fitted with 18/64				18/205	Water Flow Indicator Flap			
ELIB	18/189	Stud, §" Wh. ×1 ½" long, fitted with 18/191, for 18/48, 18/143				18/206	Water Flow Indicator Flap Pin			
	18/190	Nut, $\frac{3}{8}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{5}{16}$ " Hex.				18/207	Packing, Cork, for 18/209			
innoch	18/191	Bolt, \( \frac{5}{16}'' \) Wh. \( \times 1'' \) long \( \times \frac{1}{4}'' \) Hex., fitted with 18/166, for 18/159				18/208	Packing, Millboard, for 18/209			
	18/192	Plug, Faced, $\frac{1}{4}$ " Gas $\times \frac{3}{8}$ " $\times \frac{3}{8}$ " Hex., fitted with 18/193			2	18/209	Water Flow Indicator Window,		7. 18/208	
DYLOG	18/193	Packing, Circular, $\frac{11}{16}$ " O.D. $\times \frac{1}{2}$ " I.D. $\times \frac{1}{16}$ "			2.12.1	18/210	Water Flow Indicator Window	The state of the state of	**************************************	
	18/194	Needle Valve, 1 Gas, "M." Ends, fitted with 18/193			2	18	Transfer to constant females (see es a	THE DOUG SHEEDS	110	
	18/195	Drip Pipe, for 18/194				18/211	Setscrew, Cheese Head, 2 B.A.			081/81
	18/196	Temperature Control and Thermometer Tee-Type 2, fitted with 18/		L3, 4L3,		18/212	WATER FLOW INDICATO 18/203, 18/205 to 18/211	OR ASSEMBLY,	Comprising 18/3	34, 3L 5L
	18/197	18/27, 18/34, 18/193, 18/197  Plug, Faced, ½" Gas×¾"×¾" Hex., fitted with 18/193	J 51	L3, 6L3		18/213	WATER FLOW INDICATO 18/204 to 18/211	OR ASSEMBLY,		14, }

# GARDNER

Part No.	Description	Plate Part	Plate No.	Part No.	Description
	TYPE E, i.e. WITH RAM TYPE WATER PUMP, LUBRICA COOLER, PLAIN OR WATER JACKETED EXHAUST AND TEMPERATURE CONTROL PIPE FROM WATE TO LUBRICATING OIL COOLER WATER JACKET	MANIFOLD		18/229 18/230 18/231	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3  Temperature Control Pipe, fitted with 6/47 6L3  Temperature Control Pipe, fitted with 6/47 8L3  Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3  Temperature Control Pipe, fitted with 6/47
18/214 18/215	Temperature Control Pipe, fitted with 15/14 3L3  Temperature Control Pipe, fitted with 15/14 4L3			18/232	Temperature Control Pipe, fitted with 5/51 3L3, 4L3, 5L3
18/216 18/217	Temperature Control Pipe, fitted with 15/14 5L3  Temperature Control Pipe, fitted with 15/14 6L3	Port		18/233 18/234	Temperature Control Pipe, fitted with 6/47 6L3  Temperature Control Pipe, fitted with 6/47 8L3  Temperature Control Pipe, fitted with 6/47 8L3
18/218 18/219	Temperature Control Pipe, fitted with 15/14 8L3  Temperature Control Pipe, fitted with 15/14 3L3			18/235 18/236	Pipe Clip, 1¼" O.D. Pipe, fitted with 18/237, 18/238, for 18/141, 18/142, 18/201, 18/202  Pipe Clip, ¾" O.D. Pipe, fitted with 18/237, 18/238, for 18/68, 18/71, 18/218, 18/223, 18/231, 18/234
18/220	Temperature Control Pipe, fitted with 15/14 4L3			18/237	Setscrew, Cheese Head, 2 B.A. $\times \frac{5}{8}''$ long, fitted with 18/238, for 18/235, 18/236
18/221 18/222	Temperature Control Pipe, fitted with 15/14 5L3  Temperature Control Pipe, fitted with 15/14 6L3	Starboard		18/238	Nut, 2 B.A. × 3 "× 1" Hex., for 18/237  (Length of Bulb
18/223	Temperature Control Pipe, fitted with 15/14 8L3			18/239	Water Temperature Gauge—Remote Mounting, fitted with 18/162 and length of Capillary Tubing MUST be specified
18/224 18/225	Vent Pipe          3L3, 4L3, 5L3, 6L3         Vent Pipe          8L3	Port			
18/226 18/227	Vent Pipe 3L3, 4L3, 5L3, 6L3	Starboard			
18/228	Vent Pipe 8L3  Stud Union Stock, ½" Gas×½" Gas	)			



Plate No.	Part No.	Description	125	files 20th	Plate No.	Part No.	Description	1941 1861
	10000	Temperature Control Pipe, fixed with 5/51 . 3 Ta3, 413, 513	18/229		dic dir		TYPE E. I. WITH RAM TYPE WATER PUMP EDERI COOLER PLAIN OR WATER JACKETED ESTINGST AND TEMPERAPURE CONTROL PIPE PROME WAT	
		Temperature Control Page, titted with 6/47					TO LUBRICATING OIL COOLER WATER PAGEST	
						7	Temperature Control Pipe, fitted with 15/14	18/21/6
		Temperature Control Pipe, figure with 5151 313, 414, 513					Temperature Control Pipe, titted with 13.74	18)215
	BOAR I	Cooperature Control Pape, fitted with 6.47				10'Y - 13	Temperature Control Piec, fitted with 15/14 51.3	18/216
		Températura Control Ripe, Amed with 6/42 81.1.					Temperature Control Pipe, fitted with 15/14 6b3	T15:81 -
202-81	042, 18/201	Pipe Cop., 14" O.D. Pipe, fitted with 18:237, 18:238, for 18:141-1, 18.						18/218
ext al	ri. 18/21/0	Phys Clip, 1' O.D. Pipe, titted with 181257, 181238, for 18168, 181						912/81
		18(23), 18(23)						
3	8/235, 18/2	Sencrew, Cheese Head, 2 B.A. set long, fitted with 14/238, for 1						(8/220
		Nug 2 D.A. x A. x 1. Hea., for 18237			bas	Surbo	Pemperature Control Pipe, fitted with 15/14	152/81
Aug 1	digmal .						Temperature Control Pape, funed with 15/14 6D3	18,822
EL Z	TENT	Vister Vorgenture Cause—Remote Mounting, litted with 18/1					Temperature Control Pipe, fixed with 15/14 SL3	1322181
							Vent Pipe	18,223
					23	q	Vent Pps	18/225
							Vent Page	18/225
					bas	Surbe	Vent Pipe	18/227
×								
							Stud Linion Stock, P. Gancell. Cap.	19/228

## GARDNER

### COMPRESSED AIR PIPES—Section 19

Part No.	Description	Pla No	o. Par	rt o.	Description		
19/1	Compressed Air Pipe "A"—Control Valve Box to Wheel Valve—Port, with 1/118	fitted 3	4 19/	14	Compressed Air Pipe "C"—Main Pipe, fitted with $1/155$ , $19/23$ to $19/25$ , $19/27$	6L3	
19/2	Compressed Air Pipe "A"—Control Valve Box to Wheel Valve—Stark fitted with 1/118	board,	19/	15	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	7L3	Port
19/3 19/4	Wheel Valve, ¾" Gas, fitted with 19/4 Stud Union Stock, ¾" Gas		19/	16	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	8L3	
19/5	Compressed Air Pipe "B"—Wheel Valve to Charging Valve, fitted with 1/139		19/	17	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	3L3	
19/6	Compressed Air Pipe "B"—Wheel Valve to Charging \( \) 4L3,5L3, Valve, fitted with 1/139		19/	18	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	4L3	
19/7	Compressed Air Pipe "B"—Wheel Valve to Charging Valve, fitted with 1/139		19/	19	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	5L3	Starboard
19/8	Compressed Air Pipe "B"—Wheel Valve to Charging Valve, fitted with 1/139		19/	20	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	6L3	
19/9	Compressed Air Pipe "B"—Wheel Valve to Charging \( \frac{4L3,5L3}{8L3} \) Starb Valve, fitted with 1/139	board	19/	21	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	7L3	
19/10	Compressed Air Pipe "B"—Wheel Valve to Charging Valve, fitted with 1/139		19/	22	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27	8L3	
19/11	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 3L3		19/	23	Packing, Oval, $1\frac{3}{8}''$ centres $\times 1\frac{1}{2}''$ wide		
	19/23 to 19/25, 19/27		19/	24	Stud, $\frac{5}{16}$ " Wh. $\times 2\frac{7}{16}$ " long, fitted with 19/25		
19/12	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27		19/	25	Nut, Steel, $\frac{5}{16}$ " Wh. $\times \frac{5}{16}$ " $\times \frac{1}{4}$ " Hex.		
10/10			19/	26	Drain Cock, ½" Gas, fitted with 19/27		
19/13	Compressed Air Pipe "C"—Main Pipe, fitted with 1/155, 19/23 to 19/25, 19/27		19/	27	Packing, Circular, $\frac{17}{32}" \times \frac{3}{8}" \times \frac{1}{32}"$		



#### COMPRESSED AIR PIPES-Section 19

Plate No.	Part No.	national Control	Description	THE S	15	Plate No.	Part No.	Description	1997
		in 1,000th does book with a mile	Congressed Anti-Type '4.	\$20,02	15.	bs/rit	-m1	Compressed Air Pape 1A* Control Valve Box to Wheel Valve Stab 1/U.6	
		1 (881) I stem batilinegi Tunti -				ball	dun8-svi	Compressed Air Pipe "AP Control Valve line to When V	
		Mile Pipe, fired with Lane, 1 and						Wheel Valva, \$ Gus, titted with 19-3	
								Shad Christ Start, & Gra	
		Shin Pipe, Steel with 11985, 181						Compressed Air Pipe "B"—Wheel Valve to Charging 11.39	
		- Male Proc. Squeberth 1/100, 1					rius ?	Compressed Air Pipe "B" - Wheel Valve in Charging 1413, 41 Valve, freed with 17130	
		- Shift Pape, Breed with 1/100.						Compressed An Pipe "B" - Wheel Valve to Charging   61	
Luc led		-Alian Pres, francis septe 19178,						Companied Air Pipe "B" - Wheel Valve in Changing at Valve, fitted with 1,152	
		to 1,000,1 date bank with 1,000, 1				taus	S. Stant	Compressed Air Pipe "B"—Wheel Valve in Charging 145331 Valve inted with 1758	
		- Mich Pipe, Breed with 11130, 1 21						Compressed Air Pipe "B"—Wheel Valve to Charging 1 61.	
		abberter s						Compressed Air Pipe "C"-Moin Pipe, Steed with 1/155, 31	
		AND How Sweet I						TE/RI ,02   61 or 25   61	
							nu9	Compressed Nir Pipe "C" - Main Pipe, fitted with 1/166, 1 414	
								Congressed Air Pipe 16" - Main Pipe, Stood with 1/100, 1 are:	
							1		



### AIR BOTTLE, FUEL TANK, EXHAUST SILENCERS, ELECTRIC STARTER, DYNAMO AND DYNAMO DRIVE—Section 20

Part No.	Description	alt units	Plate No.	Part No.	Description	图 到
20/1	Compressed Air Bottle, fitted with 20/2, 20/3, 20/6, 20/8, 20/12		38	20/19	Packing Packing	
20/2	Compressed Air Bottle Adapter, fitted with 20/3, 20/6, 20/8 or 20/7	79		20/20	Tank Level Body, fitted with 20/24, 20/25	
20/3	Nipple, Parallel, 1" Gas		2.(2)	20/21	Tank Level Cock, fitted with 20/24	
20/4	Globe Valve, fitted with 20/3			20/22	Tank Level Cock Gland, fitted with 20/24	
20/5	Pressure Gauge Connection, fitted with 20/6			20/23	Setscrew, Cheese Head, 2 B.A.×3" long, for 20/22	
20/6	Packing, for 20/5		- ti	20/24	Packing, Cork, 1"×5"×3" (1 Set)	
20/7	Pressure Gauge, fitted with 20/6			20/25	Packing, Oval, 2" centres × 15" wide	
20/8	Plug, Faced, $\frac{3}{8}$ Gas $\times \frac{3}{8}$ " $\times \frac{1}{2}$ " Hex.			20/26	Setscrew, Hex. Head, ½" Wh. × ½" long × ½" Hex.	
20/9	Union Stock, 3" Gas × 3" Gas, fitted with 20/79			20/27	Tank Level Glass, fitted with 20/24	
20/10	Union Tail, 3" bore, fitted with 20/11			20/28	Tank Level Scale	
20/11	Gland Nut, "F." 3" Gas, fitted with 20/10		18	20/29	Tank Level Scale Clip	
20/12	Drain Valve, supplied only fitted with 20/13, 20/78			20/30	Union Tail, fitted with 20/31	
20/13	Drain Valve Seating, supplied only fitted with 20/12, 20/78			20/31	Union Nut, fitted with 20/30	
20/14	Fuel Tank, fitted with 20/15 or 20/81, 20/18 to 20/31, 20/76 or 20/	77		20/32	Exhaust Silencer—Stationary, fitted with 20/33 to 20/35, 20/38	
20/15	Union Tap, fitted with 20/16, 20/76			20/33	Packing, Cord (1 length)	0015
20/16	Union Nut, Tail and Coupling		1.7(0	20/34	Bolt, Sq. Round, $\frac{1}{2}$ " Wh. $\times 2\frac{1}{4}$ " long, fitted with 20/35	3L3, 4L
20/17	Tank Filling Strainer			20/35	Nut, Steel, $\frac{1}{2}$ " Wh. $\times \frac{1}{2}$ " $\times \frac{1}{2}$ " Hex.	ODO, TE
20/18	Sump Drain Plug, fitted with 20/19			20/36	Flange, Oval, Slotted, Cast Iron, 3" Gas ×5½" centres ×5¾" wide, with 20/38	fitted



### AIR BOTTLE, FUEL TANK, EXHAUST SILENCERS, ELECTRIC STARTER, DYNAMO AND DYNAMO DRIVE-Section 20

Plate No.	Part No.	Description	adet	Plate No.	Part No.	Description	3
38	20/37	Flange, Oval, Cast Iron, Blank, $5\frac{1}{2}''$ centres $\times 5\frac{3}{4}''$ wide, fitted with $20/38$	2- 80	38	20/54	Exhaust Silencer Section Packing	
	20/38	Packing, Oval, 5½" centres×5¾" wide			20/55	Bolt, Hex. Head, $\frac{1}{2}$ " Wh. $\times 2\frac{1}{8}$ " long $\times \frac{1}{2}$ " Hex., fitted with 20/56, 20/57	(602
	20/39	Bolt, Sq. Sq., §" Wh. ×3\frac{1}{8}" long, fitted with 20/40, 20/41	3L3, 4L3		20/56	Nut, Steel, $\frac{1}{2}$ " Wh. $\times \frac{1}{2}$ " $\times \frac{1}{2}$ " Hex.	
	20/40	Nut, Steel, $\frac{5}{8}$ " Wh. $\times \frac{5}{8}$ " $\times \frac{5}{8}$ " Hex.			20/57	Washer, Steel, ½" diam.	
	20/41	Washer, Steel, § "diam.			20/58	Exhaust Silencer End Cover, fitted with 20/54, 20/73	
		2008 A 1/4 × 1/4 × 1/4 Bay			20/59	Bolt, Hex. Head, $\frac{1}{2}$ " Wh. $\times 1\frac{3}{4}$ " long $\times \frac{1}{2}$ " Hex., fitted with 20/56, 20/57	14
	20/42	Exhaust Silencer—Stationary, fitted with 20/43 to 20/45, 20/48			20/60	Setscrew, Hex. Head, $\frac{1}{2}$ " Wh. $\times 1\frac{3}{4}$ " long $\times \frac{1}{2}$ " Hex.	
	20/43	Packing, Cord (1 Length)			20/61	Plug, Faced, 1¼" Gas×13"×1¼" Hex., fitted with 20/62	
	20/44	Bolt, Sq. Round, §" Wh. ×2½" long, fitted with 20/45			20/62	Packing, Circular, $2\frac{1}{4}'' \times 1\frac{23}{32}'' \times \frac{1}{32}''$	
	20/45	Nut, Steel, $\frac{5}{8}$ Wh. $\times \frac{5}{8}$ Hex.			20/63	Reducing Bush, 1½" Gas×3" Gas, fitted with 20/64, 20/66	
	20/46	Flange, Oval, Slotted, Cast Iron, 3" Gas × 7" centres × 7" wide, fitted 5 with 20/48	L3, 6L3, L3, 8L3		20/64	Packing, Circular, $2\frac{1}{4}'' \times 1\frac{23}{32}'' \times \frac{1}{32}''$	
	20/47	Flange, Oval, Cast Iron, Blank, 7" centres×7" wide, fitted with 20/48			20/65	Drain Tap, 3" Gas, fitted with 20/66	
	20/48	Packing, Oval, 7" centres×7" wide			20/66	Packing, Circular, 1"×\frac{19}{32}"×\frac{1}{32}"	
	20/49	Bolt, Sq. Sq., 5" Wh. ×38" long, fitted with 20/41, 20/50			20/67	Hex. Reducing Socket, 14" Gas × 1" Gas, fitted with 20/62	
	20/50	Nut, Steel, $\frac{5}{8}$ " Wh. $\times \frac{5}{8}$ " $\times \frac{5}{8}$ " Hex.			20/68	Hex. Reducing Nipple, 1½" Gas × 1" Gas, fitted with 20/62	
	20/51	Exhaust Silencer—End Section—Marine, fitted with 20/54, 20/62 or 20/6	34, 20/73		20/69	Nipple, Parallel, 14" Gas, fitted with 20/62	
	20/52	Exhaust Silencer-Inter. Section-Marine, fitted with 20/54			20/70	C.J. Union "F.," 1" O.D. Pipe×1" Gas	
	20/53	Exhaust Silencer Baffle Plate, fitted with 20/54			20/71	C.J. Union "F.," 11" O.D. Pipe×11" Gas	



### AIR BOTTLE, FUEL TANK, EXHAUST SILENCERS, ELECTRIC STARTER, DYNAMO AND DYNAMO DRIVE—Section 20

Part No.	Description	Plate No.	Part No.	Description
20/72	Flange, Circular, Cast Iron, 3" Gas $\times$ 5" centres $\times$ 6 $\frac{3}{4}$ " diam., fitted with 20/73	38	20/90	Bolt, Hex. Head, $\frac{1}{2}$ " Wh. $\times 2\frac{1}{4}$ " long $\times \frac{1}{2}$ " Hex., fitted with 20/91
20/73	Packing, Circular, $6\frac{3}{4}'' \times 4'' \times \frac{1}{16}''$		20/91	Nut, Steel, $\frac{1}{2}$ Wh. $\times \frac{1}{2}$ $\times \frac{1}{2}$ Hex.
20/74	Setscrew, Hex. Head, $\frac{1}{2}$ Wh. $\times 2\frac{1}{2}$ long $\times \frac{1}{2}$ Hex.		20/92	Electric Starter—Clockwise Rotation looking on Pinion end
20/75	Flange, Circular, Cast Iron, $3\frac{1}{2}$ "Gas $\times 5\frac{1}{2}$ " centres $\times 6\frac{3}{4}$ " diam., fitted with 20/73		20/93	Electric Starter—Anti-Clockwise Rotation looking on Pinion end
20/76	Packing, Circular, $1\frac{1}{4}'' \times \frac{13}{16}'' \times \frac{1}{16}''$ 3L3, 4L3		20/94	Electric Starter Bracket—Port, fitted with 20/96 to 20/98
20/77	Packing, Circular, 111 "×111" ×116" 5L3, 6L3		20/95	Electric Starter Bracket—Starboard, fitted with 20/96 to 20/98
20/78	Packing, Circular, 1"×\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	17-18	20/96	Bolt, Hex. Head, $\frac{3}{8}$ " Wh. $\times 2\frac{3}{4}$ " long $\times \frac{3}{8}$ " Hex.
20/79	Packing, Circular, $1'' \times \frac{5}{8}'' \times \frac{1}{32}''$	I I I I	20/97	Steady Peg, $\frac{5}{16}$ " diam. $\times \frac{3}{4}$ " long
20/80	Renewable Seat for Globe Valve		20/98	Electric Starter Bracket Packing
20/81	Union Tap, fitted with 20/77, 20/82		20/99	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{7}{8}$ long $\times \frac{5}{16}$ Hex.
20/82	Union Nut and Tail		20/100	Setscrew, Hex. Head, 3 "Wh. ×7" long ×3" Hex.
20/83	Exhaust Silencer—Stationary, fitted with 20/85, 20/89		20/101	Dynamo Driven Pulley, 3" Effective diam.
20/84	Flange, Circular, Cast Iron, 3" Gas × 5" centres × 6½" diam., fitted with 20/85	105	20/102	Dynamo Driving Pulley, 51" Effective diam., fitted with 20/103 (for Conic Reverse
20/85	Packing, Circular, $6\frac{1}{4}'' \times 3\frac{1}{2}'' \times \frac{1}{16}''$			Gear Mounting)
20/86	Bolt, Hex. Head, $\frac{1}{2}$ " Wh. $\times 1\frac{1}{4}$ " long $\times \frac{1}{2}$ " Hex., fitted with 20/87		20/103	Setscrew, Sq. Head, Pointed, ½"—28 Thds. × ½" long
20/87	Nut, Steel, $\frac{1}{2}$ " Wh. $\times \frac{1}{2}$ " $\times \frac{1}{2}$ " Hex.		20/104	Whittle Belt, §" wide
20/88	Flange, Circular, Cast Iron, $3\frac{1}{2}$ "Gas $\times 5\frac{1}{2}$ " centres $\times 6\frac{3}{4}$ " diam., fitted with 20/89	6.18	20/105	Dynamo Bracket, fitted with 20/106 to 20/109 (for Conic Reverse Gear Mounting)
20/89	Packing, Circular, $6\frac{3}{4}'' \times 4'' \times \frac{1}{16}''$	.8.J	20/106	Steady Peg, 5 diam.×11 long



### AIR BOTTLE, FUEL TANK, EXHAUST SILENCERS, ELECTRIC STARTER, DYNAMO AND DYNAMO DRIVE-Section 20

Plate No.	Part No.	Description	100 Harris	Plate No.	Part No.	Description	1 1 2 2 2
38	20/107	Dynamo Bracket Packing				Flange, Circular, Cast Inco. 2" Garxes" comes x 6ft diam. 600ed	
	20/108	Bolt, Sq. Head, 3" Wh. ×11" long, fitted with 20/109				Sign See 10 metron 2 suitari	
	20/109	Nut, Steel, $\frac{3}{8}$ Wh. $\times \frac{3}{8}$ Hex.				Setsorw, Hox. Head, 4" Wit. x 34" long x 1" Hex.	
	20/110	Dynamo Cradle and Strap		-		Plance, Circular, Care Iron, 31" Gastr 51" centres x 61" clares, filte	
	20/111	Dynamo—Clockwise Rotation looking on Pulley end		(da)		Parking Circular 14' x [4' x 4']	
	20/112	Dynamo—Anti-Clockwise Rotation looking on Pulley end	anne	i, Ja		Prof. ing. Circular, J. H. 'S. C. Caralla,	
39	20/113	Fuse Box	24/12 Volt Series-Parallel			Packing Circular, P. × P.× &	
	20/114	Dynamo Cut-Out	Circuit			Parking, Circular, C. of P. of	
	20/115	Ammeter guidad takanti namati situati	sajoe			Renewable Seas for Globe Valve	
	20/116	24/12 Volt Series-Parallel Switch	20/20			Union Tap, fitted with 2077, 2082	
38	20/117	Dynamo—Clockwise Rotation looking on Pulley end	001/02			Using Not and Tail	
	20/118	Dynamo—Anti-Clockwise Rotation looking on Pulley end	-100,002			Exhant Silencer—Stationary, atted with 20/80, 20/69	
39	20/119	Control Panel and annual symbolic and your survivior or and a	24 Volt Circuit		dator drive	Bahara, Classian, Curtaron, St. Gasty, Commerce of Chang, Strade	
	20/120	Ammeter					
	20/121	Starter Switch	101.00				
	20/122	Battery. (Two units, each 12 volts, 75 amps.)	101/02				
(spain)	20/123	Electric Starter Bracket Packing	8L3	- 46	Not thin is		
	20/124	Electric Starter Bracket Packing (with U.C. Reverse Gear)	8L3, 4L3, 5L3, 6L3, 8L3			Particle Consular, 0[**4******	08/02



Part No.	Description	100	Plate No.	Part No.	Description
21/1	Piston Entering Guide		40	21/19	Bilge Pump Valve (same as 7/16)
21/2	Oil Can			21/20	Water Pump Cup Washer 3L3
21/3	Sprayer Cleaning Squirt			21/21	Water Pump Cup Washer
21/4	Squirt Nozzle			21/22	Water Pump Cup Washer 5L3
21/5 21/6	Screwdriver  Sprayer Pricker			21/23	Washer, Steel and Asbestos, Exhaust Manifold to Cylinder Head (same as 14/41)
21/7	Sprayer Valve Grinding Spindle			21/24	Water Joint Ring, Cylinder to Cylinder Head (same as 1/13)
21/8	Lifting Eye—for Engine			21/25	Cylinder Water Connection Tube (same as 1/14)
21/9	Lifting Eye Bolt—for Flywheel			21/26	Oil Joint Ring, Cylinder to Cylinder Head (same as 1/15)
21/10	Sprayer Box—Single			21/27	Sprayer Strainer (same as 1/69) Cancelled
21/11	Box for Sprayer and Sprayer Spares			21/28	Lubricating Oil Relief Valve Spring (same as 12/52)
21/12	Flywheel Barring Lever Foot, fitted with 21/13			21/29	Inlet and Exhaust Valve Spring—Inner (same as 1/42)
21/13	Setscrew, Hex. Head, $\frac{5}{16}$ Wh. $\times \frac{3}{4}$ long $\times \frac{5}{16}$ Hex.			21/30	Inlet and Exhaust Valve Spring—Outer (same as 1/43)
	Sign Expendies 15 QLD Place			21/31	Compressed Air Starting Valve Spring (same as 1/154)
21/14	Flywheel Barring Lever			21/32	Fuel Pump Control Rod Spring (same as 10/31) 4L3, 8L3
21/16	Sprayer Assembly			21/33	Fuel Pump Control Rod Spring (same as 10/30) 3L3, 5L3, 6L3
21/17	Water Pump Valve (same as 5/24)	3L3, 4L3, 5L3		21/34	Spanner, Double Ended, $\frac{3}{16}'' \times \frac{1}{4}''$
21/18	Water Pump Valve (same as 6/21)	6L3, 7L3, 8L3		21/35	Spanner, Double Ended, 1"× 5"



Plate No.	Part No.	Description	32	2.07	Plate No.	Part No.	Description	
40	21/36	Spanner, Double Ended, $\frac{3}{8}'' \times \frac{7}{16}''$			40	21/55	Tommy Bar, 5 " diam.	
rije .	21/37	Spanner, Double Ended, $\frac{1}{2}'' \times \frac{5}{8}''$				21/56	Tommy Bar, 3/8 diam.×6" long	
RIE .	21/38	Spanner, Double Ended, \(\frac{3}{4}'' \times \frac{7}{8}''\)				21/57	Tommy Bar, 3 diam.×15 long	
	21/39	Spanner, Single Ended, ½" Hex. Locknut (for Sprayer Cap)				21/58	Sprayer Nozzle Drift	
	21/41	Spanner, Adjustable, 4"				21/59	Air Starting Valve Box Key	
	21/42	Spanner, Tube, ½" Hex.				21/60	Sprayer Clamp Key (to suit 1" Hex. Nut)	
	21/43	Spanner, Tube, 5 " Hex.				21/61	Sprayer Hole Cleaning Tool	
	21/44	Spanner, Tube, 3" Hex.				21/62	Sprayer Withdrawing Tool	
	21/45	Spanner, Tube, 7 "Hex.				21/63	Water Pump Cup Washer	Hamilton and the
	21/46	Spanner, Tube, ½" Hex.				21/64	Water Pump Cup Washer	agaige on the se
	21/47	Spanner, Tube, §" Hex.			-	21/65	Bilge Pump Cup Washer	
	21/48	Spanner, Tube, ½" Sq.				21/67	Pipe Expander, 1" O.D. Pipe	
	21/49	Spanner, Tube, 5 " Sq. 11 Sq.				21/68	Pipe Expander, 1¼" O.D. Pipe	Supplied only when required
	21/50	Spanner, Tube, 3" Sq.				21/69	Pipe Expander, 1½" O.D. Pipe	wa bine
	21/51	Spanner Bar, 3" Sq.				21/70	Timing Chain Single Connecting Link and Clip (same	e as 3/64)
	21/52	Spanner, Ring, 7 " Hex. (for Connecting Rod Bolt)				21/72	Pipe Expander, 3" O.D. Pipe, supplied only when req	quired
	21/53	Tommy Bar, 3 diam.			S.IB (S	21/73	Taper Reamer, for fitting 1/77, 1/81, 1/224	
	21/54	Tommy Bar, 1" diam.			2.18.0	21/75	Fuel Pump Plunger Spring	



Part No.	Description	Plate No.	Part No.	Description	
21/76 21/77 21/78	Fuel Pump Delivery Valve Spring  Sprayer Clamp Key (To suit $\frac{3}{16}$ " Hex. Nut)  Spanner, Single Ended, $\frac{7}{8}$ " Hex. Locknut				
GFF 3/10	First Fuel Filter Element Assembly (In Carton)				



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