

Engines No. K.9/A.

LIST OF SPARE GEAR

S. S. JAVA.

Furness
S.B. No 86

No. off	Description	Drawing No.	Pattern No.
1 pair	Connecting rod bushes, lower end with Bolts. ✓	23967	29287, 29299
1 pair	Connecting rod bushes, upper end with bolts. ✓	"	26536, 26010
1 pair	Main bearing bushes ✓	20347	26449, 26450
1	Piston (No rings fitted) ✓	20522	26529
1	Piston rod ✓	20640	26426, 26041
4 sets	Piston rings for four pistons, viz:-		
	12 Piston rings ✓	20522	26093
	24 " " ✓	"	26530
	4 Scraping rings	"	26094
4	Main bearing studs and nuts ✓	20347	26453, 6335
12	Exhaust valves with casing, springs etc. complete ✓	20478	26490 etc.
2	Starting valves with casing, springs etc. complete ✓	20673	26678 etc.
6	Fuel valves with casing, springs etc. complete ✓	20654	26632 etc.
14	Fuel valve spindles ✓	"	26634
2	Cam rollers for inlet & exhaust with pins and nuts	20862	26836, 26197 30592
2	Cam rollers for starting, with pins and nuts	20862	26837, 26199 30592
2	Cam rollers for fuel with pins and nuts	20862	26196, 26198 30592
30	Screws for securing cylinder liner	20384	26479
3 lbs	1/4" "Palmeto" Packing	-	-
25 lbs	Wain's Packing	-	-
1 set	Packing for all glands in one engine	-	-



W230-0199 (1/5)

No.	Description	Drawing No.	Pattern No.
1	Cylinder cover without valves ✓	20382	26485 etc.
1	Studs & nuts for valves in one cylinder cover, viz:-		
	Inlet valve ✓	21051	57240 B
	Exhaust valve ✓	20478	26513
	Fuel valve ✓	21051	32188 B
	Starting valve ✓	21051	28157 B
9	7 M.M. rubber rings for cylinder	20384	26482
9	5 m/m " " " "	"	26483
9	4 m/m " " " "	"	26484
9	H.P. compressor cylinder rubber rings	23974	2383
9	Starting valve rubber rings	20673	1954
6	M.P. Cooler tubes	20694	30731
6	L.P. " "	20681	4780
1	H.P. cooling coil complete with flanges and wood supports	24025	29342 etc.
12	Fuel pump plungers	7577	26829
	One complete set of working parts for one fuel pump plunger, viz- ✓		
	One fuel pump plunger ✓	7577	26829
	One fuel pump delivery valve ✓	"	30656
	One fuel pump suction valve ✓	"	30657
	One fuel pump delivery valve spring ✓	"	30658
	One fuel pump suction valve spring	"	30659
	One regulating lever	"	30661
	One neck bush for plunger	22067	30018
	One plunger gland ring	"	11746
	Six sets of packing	"	30020
	One gland bush	"	11769
	<u>All to be fitted to plate</u>		
6	Suction valves for fuel pump	7577	30657
6	Delivery " " " "	"	30656



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W230-0199(2/5)

No off	Description	Drawing No.	pattern No.
6	Fuel pump plunger glands	7577	26332
6	" " " neck rings	22067	30018
1	Hand pump piston, with piston spring and nut for engine fuel pump	2108	18110 etc.
1 cwt.	Assorted bolts and nuts <i>of Iron.</i>	-	-
1 pair	Air compressor connecting rod bushes lower end with bolts	20668	26667, 30857
1 pair	Air compressor connecting rod bushes upper end with bolts	20668	30700, 30701
21	Air compressor H.P. piston rings ✓	24016	4210
10	" " M.P. " " ✓	"	30570
8	" " L.P. " " ✓	"	4212
2	" " scraping ring	"	30572
6	L.P. suction valves complete ✓	4579 A	4838 etc.
6	L.P. delivery " " ✓	"	"
6	L.P. valves ✓	"	4169 A
3	M.P. suction valves complete ✓	4579 A	4838 etc.
3	M.P. delivery valves complete ✓	"	4838 etc.
4	M.P. valves ✓	"	4170 A
5	H.P. suction valves complete ✓	4824 A	4927 etc.
5	H.P. delivery " " ✓	"	"
4	H.P. valves ✓	"	4928
30	Elastic discs	4824 A	4851 A
54	" "	4579 A	4173



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No. of	Description	Drawing No.	Pattern No.
	H.P. delivery valve distance piece	5922	31024
	M.P. suction " " "	5823	7748
	M.P. delivery " " "	"	4943
	L.P. delivery " " "	"	4500A
	Safety valve for air compressor	3651A	6085 etc.
	Cylinder liner complete	20384	26478
	Cylinder jacket	"	26477
	W.I. packing ring for cylinder jacket	"	26970
	Muntz metal nuts for cylinder liner joint	"	26480
	Fuel valve cam toe pieces each hand	22056	26061
	Loose faces for exhaust valves	20478	26178
	Nuts for exhaust valves	"	26179
	Rings for starting valve	20673	26686
	Lengths of pipe with cones & nuts suitable for fuel to cylinders ✓	21065	B.19 B.4
	Pipes with cones & nuts for cylinder lubricating	23792	M.25.M.26
	6'0" (straight length) Blast air to cylinders	-	-
	Top parts complete blast Air pipe to cylinder	24128	C.1.
	Bottom parts complete blast air pipe to cylinder	21197	26992
	Length of pipe with cones & nuts suitable for blast air to cylrs. ✓	-	-
	length H.P. Air pipe from compressor to blast bottle with flanges ✓	-	-



5.

No. off	Description	Drawing No.	pattern No.
2	Cones with nuts ✓	24 D	94, 94A
2	" " "	"	94, 94B
2	" " "	"	5, 5A
2	" " "	"	2, 2B
2	" " "	"	2, 2D
1 set	Pipes for one piston cooling gear ✓ -	-	-



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