

RT25ZB20-1.2Q Portable Transfer Pump

Product Information

The RATO RT25ZB20-1.2Q 1" 3hp, 4 stroke OHV petrol transfer pump is the perfect option for lightweight, portable power.

All RATO products are covered by our 12 month/500 hour warranty.



SPECIFICATIONS

R8750ID

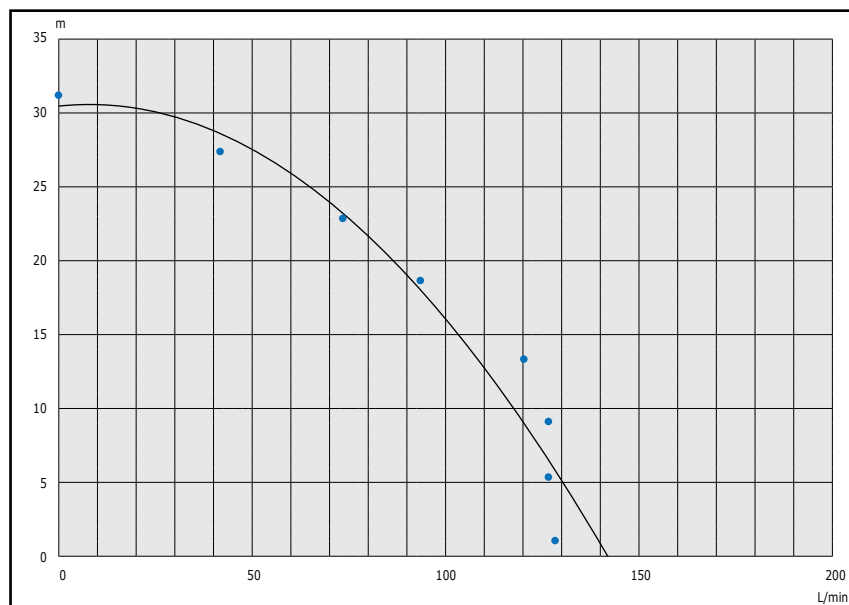
Engine model	RS100 / 3hp
Engine type	Single cylinder, 4 stroke (OHV)
Starting system	Recoil start
Bore x stroke	52 x 46mm
Displacement	97.7ml
Compression ratio	5.6 : 1
Net power	1.4kw / 3600rpm
Fuel consumption	≤450 (g/kw-h)
Net torque	3N.m / 2500rpm
Pump set	2" circular type
Suction port diameter	25mm (1")
Discharge port diameter	25mm (1")
Suction head lift	6m
Total head lift	28m
Discharge capacity	8m ³ /h / 133 litres per minute
Dimensions (L x W x H mm)	385 x 285 x 375
Net weight	12.5kg

Features

- 3hp air cooled RATO engine.
- Cast iron volute and impeller with a carbon ceramic seal.



Unload Speed	Loading Speed	Suction Head Lift	Discharge Capacity (m ³ /h)	Discharge Capacity (L/min)	Total Head Lift (M)	Test Envir. Temp (C°)	Humidity at Outlet	Pressure at Outlet
3820	3720	8.4	7.7	128.33	1.10	16.5	100	10.1
			7.6	126.67	5.35	16.5	100	49
			7.6	126.67	9.11	16.5	100	83.4
			7.2	120.00	13.32	16.4	100	122
			5.6	93.33	18.73	16.5	100	171.5
			4.4	73.33	22.94	16.5	100	210.1
			2.5	41.67	27.44	16.5	100	251.3
			0	0.00	31.16	16.5	100	285.4

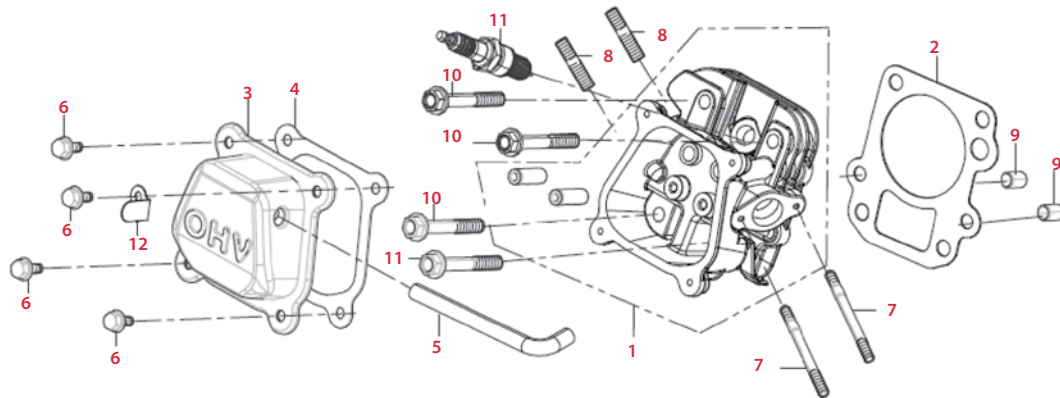


*NS - Not Stocked by JAK Max
however available from RATC. Special
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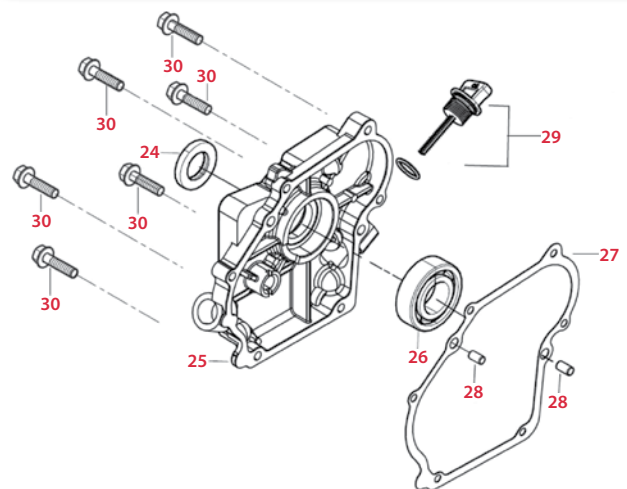
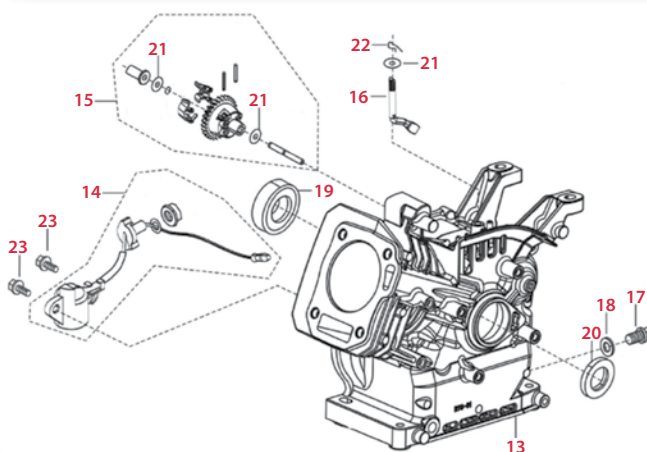
Item	JAK Max Part No.	RATO Part No.	Description
Cylinder Head Subassembly & Spark Plug (below)			
1	NS	12140-Z210110-0B00	Cylinder head subassembly
2	JMRT1337	12131-Z210110-0000	Cylinder head gasket
3	NS	12410-Z300120-0000	Cylinder head cover subassembly
4	JMRT1002	12004-Z010110-0000	Cylinder head cover gasket
5	NS	17004-Z510110-0000	Breather tube
6	NS	90001-0612-01	Bolt

Item	JAK Max Part No.	RATO Part No.	Description
Cylinder Head Subassembly & Spark Plug - continued (below)			
7	NS	90204-Z010210-0000	Stud
8	NS	90203-Z010110-0000	Stud
9	NS	90502-0814-00	Pin
10	NS	12003-Z510110-0000	Cylinder head bolt
11	BPR6ES/ RN9YC	30010-Z450210-0000	Spark plug
12	NS	30006-Z510110-0000	High tension line block



Item	JAK Max Part No.	RATO Part No.	Description
Crankcase & Governor Gear Assembly (below left)			
13	NS	11310-Z210210-0B00	Crankcase subassembly
14	NS	37060-Z510110-0000	
15	NS	16400-Z210110-0000	Governor gear assembly
16	NS	16061-Z510110-0000	Governor arm
17	NS	11007-Z010110-0000	Drain plug bolt
18	NS	90408-Z010110-0000	Flat washer
19	NS	90548-0203-00	Bearing
20	JMRT1338	90682-Z510110-0000	Oil seal
21	NS	90575-0612-06	Circlip
22	NS	90501-Z010110-0000	Pin
23	NS	90001-0614-01	Bolt

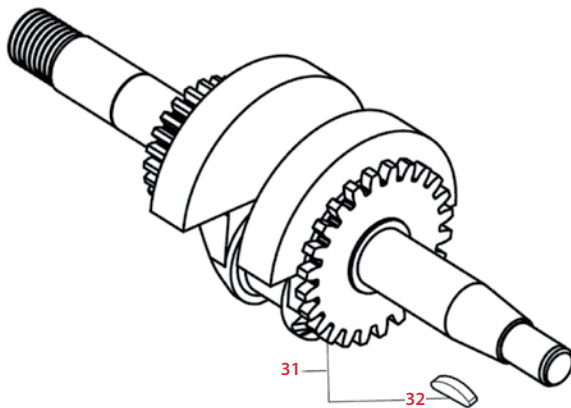
Item	JAK Max Part No.	RATO Part No.	Description
Crankcase Cover Subassembly (below right)			
24	JMRT1338	90682-Z510110-0000	Oil seal
25	NS	11411-Z510310-0B00	Crankcase cover
26	NS	90548-0303-00	Bearing
27	JMRT1339	11001-Z510110-0000	Crankcase gasket
28	NS	90502-0812-00	Pin
29	NS	15010-Z510110-Q500	Oil dipstick subassembly
30	NS	90001-0625-01	Bolt



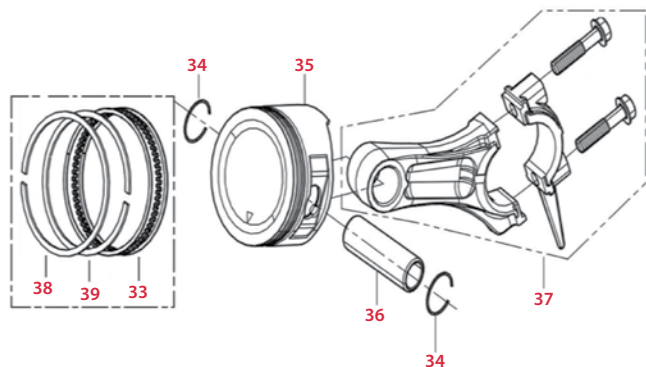
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Item	JAK Max Part No.	RATC Part No.	Description
Crankshaft (below left)			
31	NS	13300-Z210210-0000	Crankshaft assembly
32	NS	90524-Z510110-0000	Woodruff Key

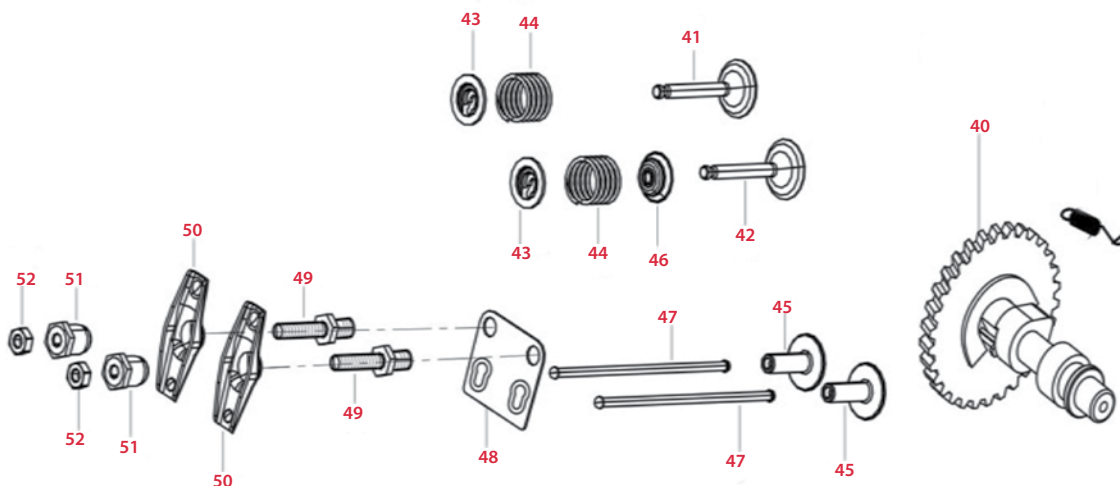


Item	JAK Max Part No.	RATC Part No.	Description
Oil Ring & Crankshaft Connecting Rod (below right)			
33	NS	13210-Z450110-0000	Oil ring set
34	NS	13122-Z450110-0000	Piston pin clip
35	NS	13111-Z450110-0000	Piston
36	NS	13121-Z450110-0000	Piston pin
37	NS	13010-Z210110-0000	Connecting rod
38	NS	13201-Z450110-0000	First ring
39	NS	13202-Z450110-0000	Second ring



Item	JAK Max Part No.	RATC Part No.	Description
Valve Train & Camshaft Subassembly (below)			
40	NS	14200-Z510120-0000	Camshaft assembly
41	NS	12111-Z510110-0000	Exhaust valve
42	NS	12121-Z510120-0000	Intake valve
43	NS	12112-Z010110-0000	Valve spring seat
44	NS	12103-Z510110-0000	Valve spring
45	NS	14081-Z510110-0000	Valve tappet
46	NS	12101-Z010110-0000	Seal guide

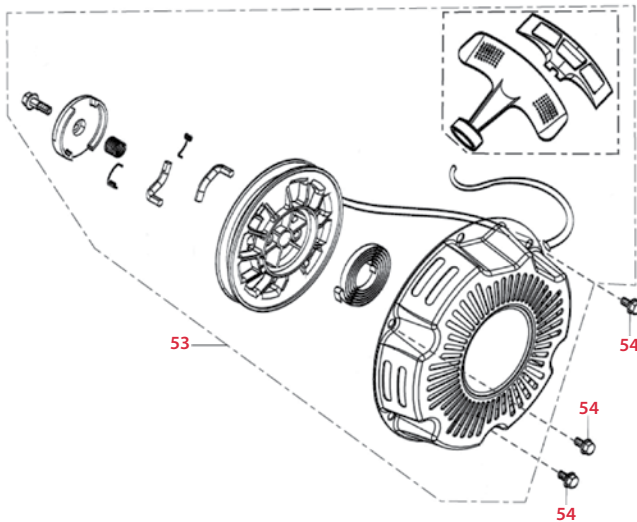
Item	JAK Max Part No.	RATC Part No.	Description
Valve Train & Camshaft Subassembly - continued (below)			
47	NS	14070-Z510110-0000	Valve lifter subassembly
48	NS	14090-Z510110-0000	Lifter stopper plate subassembly
49	NS	14313-Z510110-0000	Valve adjusting bolt
50	NS	14311-Z510110-0000	Valve rocker
51	NS	14314-Z300110-0000	Valve adjusting nut
52	NS	14312-Z300110-0000	Valve lock nut



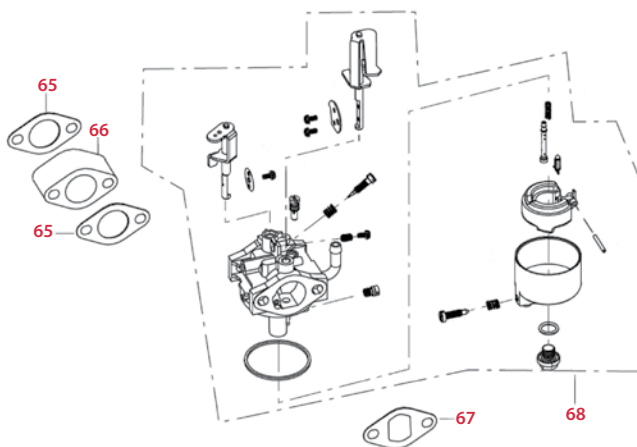
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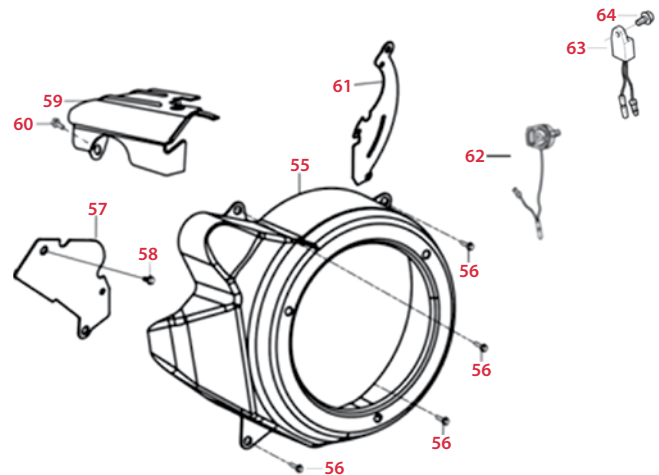
Item	JAK Max Part No.	RATO Part No.	Description
Starter Recoil (below left)			
53	JMRT1340	28200-Z510210-H600	Starter Recoil assembly
54	NS	90001-0608-01	Bolt



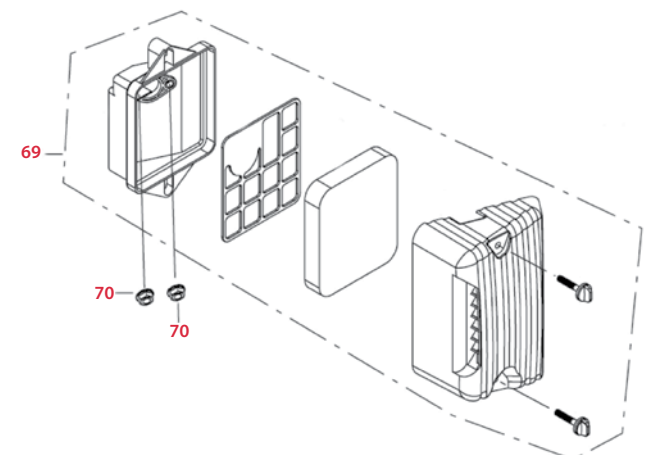
Item	JAK Max Part No.	RATO Part No.	Description
Carburettor Assembly (below left)			
65	JMRT1342	16001-Z510110-0000	Carburettor gasket
66	NS	16003-Z510110-0000	Carburettor insulator plate
67	JMRT1343	17001-Z510110-0000	Air cleaner gasket
68	JMRT1341	16100-Z210110-0000	Carburettor assembly



Item	JAK Max Part No.	RATO Part No.	Description
Shroud & Lower Shield (below right)			
55	NS	28110-Z510110-H600	Shroud
56	NS	90001-0612-01	Bolt
57	NS	19306-Z510110-0000	Crankcase air deflector
58	NS	90001-0616-01	Bolt
59	NS	19304-Z510110-0000	Cylinder body shroud
60	NS	90001-0610-01	Bolt
61	NS	30028-Z510110-0000	Shroud shield
62	NS	35540-Z060120-Q200	Stop engine switch subassembly
63	NS	37050-Z010210-0000	
64	NS	90001-0610-01	Bolt



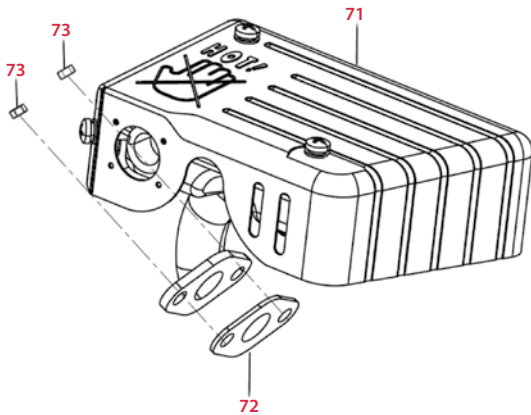
Item	JAK Max Part No.	RATO Part No.	Description
Air Cleaner (below right)			
69	JMRT1344	17100-Z510110-0000	Air cleaner
70	NS	90305-0600-31	Nut



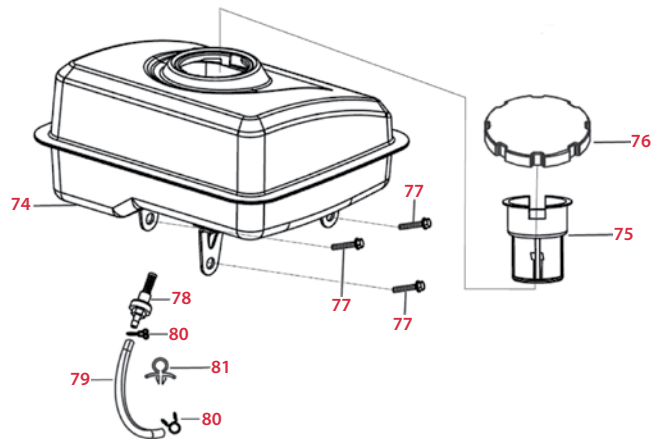
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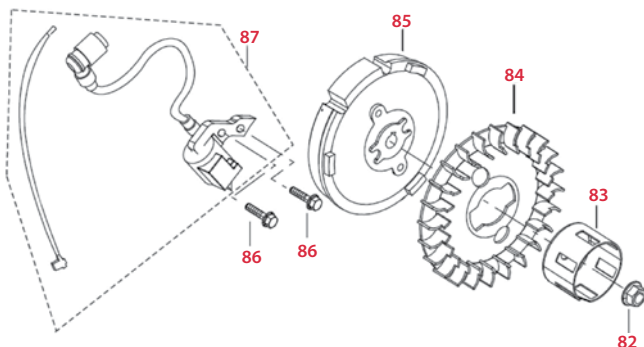
Item	JAK Max Part No.	RATO Part No.	Description
Muffler Assembly (below left)			
71	JMRT1345	18100-Z510110-0000	Muffler assembly
72	JMRT1346	18001-Z510110-0000	Exhaust outlet gasket
73	NS	90303-0800-31	Nut



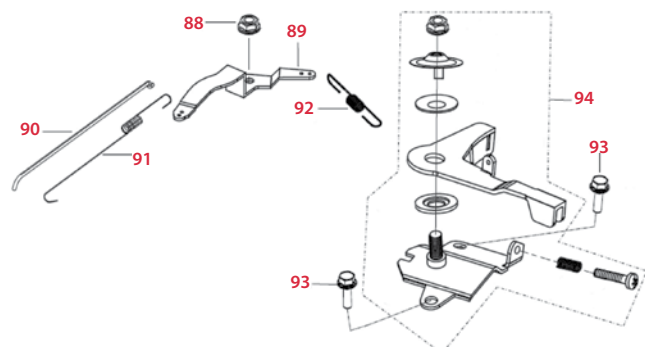
Item	JAK Max Part No.	RATO Part No.	Description
Fuel Tank Assembly (below right)			
74	JMRT1347	16620-Z510120-H600	Fuel tank
75	JMRT1349	16652-Z010110-0000	Fuel strainer
76	JMRT1348	16730-Z300120-0000	Fuel tank cover
77	NS	90001-0612-01	Bolt
78	NS	16680-Z010110-0000	Fuel tank oil outlet subassembly
79	NS	90686-Z510110-0000	Fuel tube
80	NS	90685-Z030220-0000	Clip
81	NS	90684-Z250110-0000	Clip



Item	JAK Max Part No.	RATO Part No.	Description
Flywheel, Impeller, Starter Pulley & Ignition Coil (below)			
82	NS	13501-Z510110-0000	Flywheel nut
83	NS	28002-Z510110-0000	Starter pulley
84	NS	19352-Z510110-0000	Impeller
85	NS	13510-Z510110-0000	Flywheel subassembly
86	NS	90001-0620-01	Bolt
87	JMRT1350	30400-Z510110-0000	Ignition coil



Item	JAK Max Part No.	RATO Part No.	Description
Throttle Control Assembly (below right)			
88	NS	90305-0600-31	Nut
89	NS	16070-Z510110-0000	Governor support subassembly
90	NS	16062-Z510110-0000	Governor rod
91	NS	16012-Z510110-0000	Throttle valve returning spring
92	NS	16063-Z210110-0000	Governor spring
93	NS	90001-0608-01	Bolt
94	NS	16520-Z510120-0000	Throttle control assembly

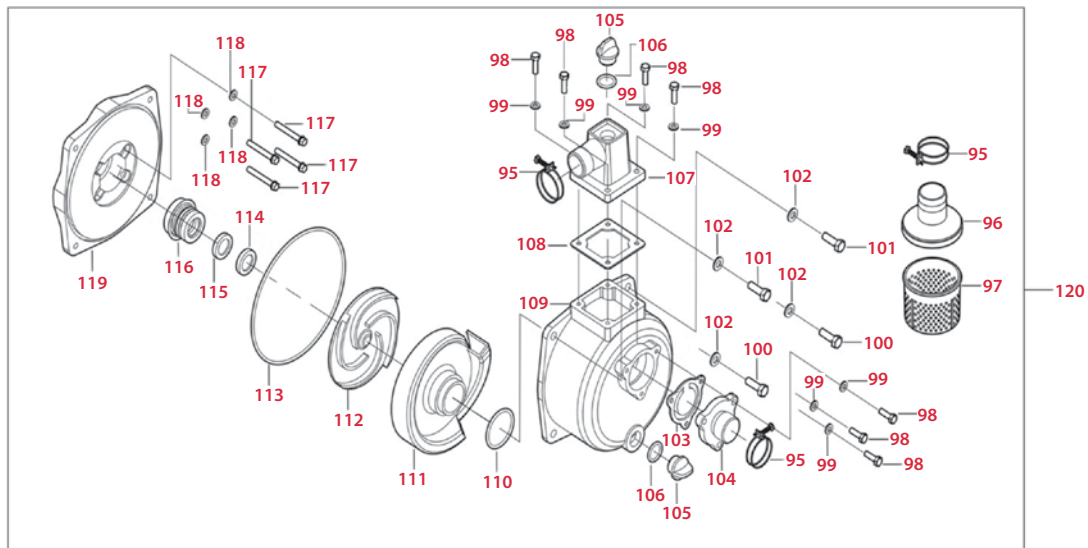


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Item	JAK Max Part No.	RATO Part No.	Description
Pump Body (below)			
95	NS	70400-V040210-0000	Hose hoop assembly
96	NS	70113-V040210-0000	Filter cover
97	NS	70114-V040210-0000	Filter
98	NS	90005-0618-01	Bolt
99	NS	90408-0600-E1	Washer
100	NS	90005-0820-01	Bolt
101	NS	90005-0820-01	Bolt
102	NS	90408-0800-E1	Washer
103	JMRT1351	70115-V040210-0000	Inlet water gasket
104	JMRT1352	70116-V040410-0000	Water inlet
105	NS	70107-V040210-0000	Thread plug
106	NS	70122-V040210-0000	Screw plug washer
107	JMRT1353	70108-V040410-0000	Water outlet

Item	JAK Max Part No.	RATO Part No.	Description
Pump Body - continued (below)			
108	JMRT1354	70109-V040210-0000	Outlet gasket
109	JMRT1355	70105-V040210-0000	Pump body
110	JMRT1361	70104-V040210-0000	Whorl case sealing ring
111	JMRT1362	70103-V040210-0000	Whorl case
112	JMRT1356	70102-V040210-0000	Water pump impeller
113	JMRT1360	70119-V040210-0000	Water pump joint cushion
114	JMRT1357	70125-V040210-0000	Impeller seal
115	JMRT1358	70309-V040210-0000	Porcelain seal
116	JMRT1359	70300-V040210-0000	Mechanism seal assembly
117	NS	90001-0645-01	Bolt
118	NS	90409-V040110-0000	Washer
119	JMRT1363	70118-V040210-0000	Water pump joint
120	JMRT1364	70100-V040410-0000	Water pump assembly



Item	JAK Max Part No.	RATO Part No.	Description
Engine Frame Assembly (right)			
121	NS	54111-V040220-0000	Handle
122	NS	90303-0800-31	Nut
123	NS	90403-0800-00	Washer
124	NS	90408-0800-E1	Washer
125	NS	51002-Z450110-0000	Engine fixed bottom plate
126	NS	90001-0816-01	Bolt
127	NS	90001-0610-01	Bolt
128	NS	51146-V030110-0000	Water pump seat
129	NS	90001-0825-01	Bolt
130	NS	51143-V040110-H600	Bottom plate
131	NS	51014HY450110-0000	Engine frame shock absorption seat

