

R2000iS Inverter Generator

Product Information



The RATC R2000iS inverter generator is ideal for generating high quality pure sine wave electricity to power your laptop or other small electrical devices.

With a rated output of 2,000 watts, this quiet and lightweight generator can run for up to 6 hours on continuous 1/2 load operation.

All RATC inverter generators, no matter the output, can be joined with the RATC parallel cable to increase your power.

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

Features

- Easy access maintenance door.
- With parallel-in function, two inverter generators, with the same specifications or not, can be in parallel with each other.
- Free shifting between 50Hz and 60Hz.
- Lightweight and low noise level.
- USB port.
- 80cc - 3.5hp.



SPECIFICATIONS

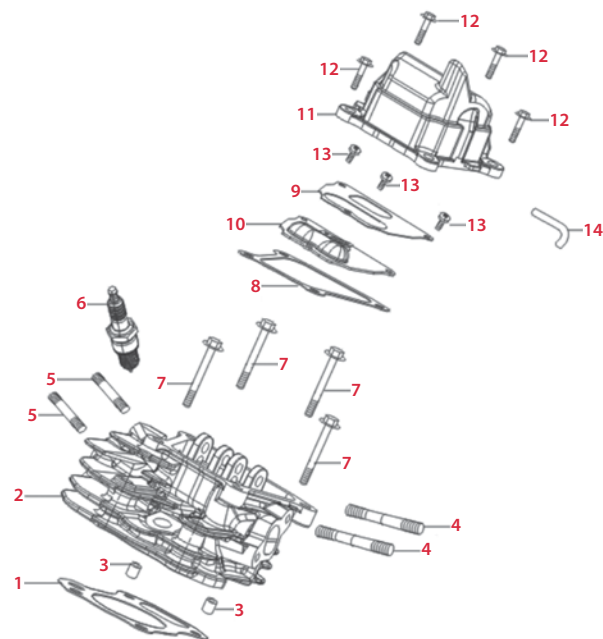
R2000iS	
Engine model	R80-i
Engine type	Air cooled, 4 stroke, OHV, single cylinder
Starting system	Recoil start
Displacement	79.7ml
Bore x stroke	48.6 x 43mm
Compression ratio	8.7 : 1
Rated frequency	50Hz
Rated voltage	230v
Rated power	1.8kw
Max. power	2.0kw
DC output	12v / 8.3A
Fuel tank capacity	4 litres
Full load continuous running time	4 hours
1/2 load continuous running time	6 hours
Noise (7m)	65dB
Dimensions (L x W x H mm)	498 x 290 x 459
Net weight	22kg



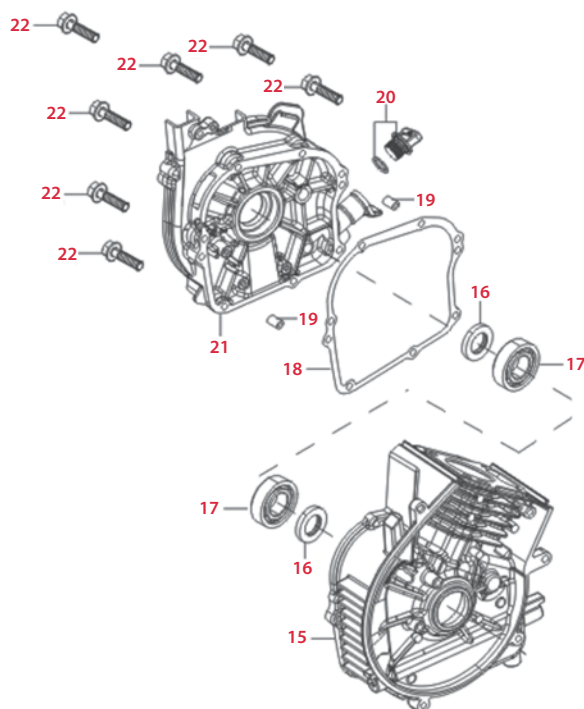
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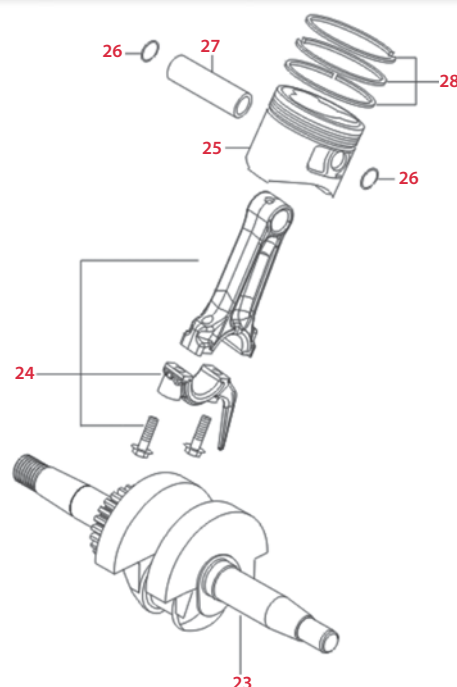
Item	JAK Max Part No.	RATC Part No.	Description
Cylinder Head Subassembly & Spark Plug (right)			
1	JMRT1226	12131-Z800110-0000	Cylinder head gasket
2	NS	12140-Z800110-0000	Cylinder head subassembly
3	NS	90502-0812-00	Pin
4	NS	90204-Z800110-0000	Stud
5	NS	90204-Z800210-0000	Stud
6	Z9Y	30010-Z350210-00A0	Spark plug
7	NS	12003-Z800110-0000	Cylinder head bolt
8	JMRT1228	12004-Z800120-0000	Cylinder head cover gasket
9	JMRT1229	11320-Z800110-0000	Breath piece
10	JMRT1230	11332-Z800110-0000	Breath groove gasket
11	NS	12410-Z800110-0000	Cylinder head cover subassembly
12	NS	90007-0616-A1	Bolt
13	NS	90103-0308-51	Screw
14	NS	17004-Z800110-0000	Breather tube



Item	JAK Max Part No.	RATC Part No.	Description
Crankcase & Crankcase Cover Subassembly (below left)			
15	NS	11310-Z800110-0000	Crankcase subassembly
16	JMRT1231	90682-Z800110-0000	Oil seal
17	JMRT1232	90547-0204-CL	Bearing
18	NS	11001-Z800110-0000	Crankcase gasket
19	NS	90502-0812-00	Pin
20	JMRT1233	15010-Z800130-Q500	Engine oil plug subassembly
21	NS	11411-Z800110-0000	Crankcase cover
22	NS	90007-0620-A1	Bolt



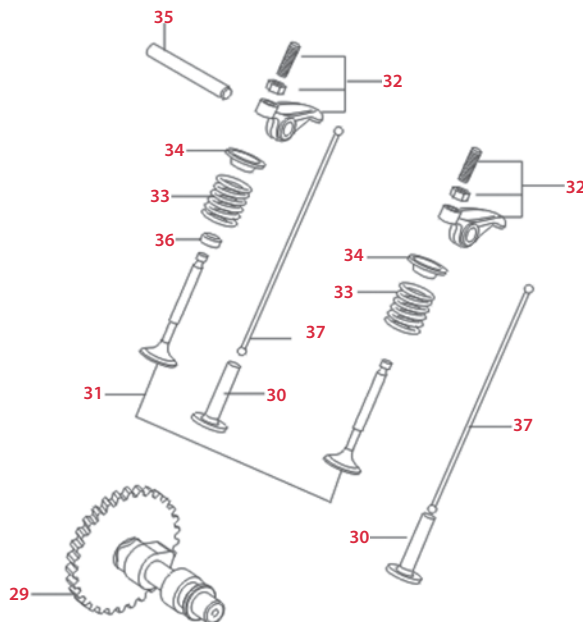
Item	JAK Max Part No.	RATC Part No.	Description
Oil Ring Set & Crankshaft Connecting Rod (below right)			
23	JMRT1234	13300-Z800110-0000	Crankshaft assembly
24	JMRT1235	13010-Z800110-0000	Connecting rod
25	JMRT1236	13111-Z800110-0000	Piston
26	JMRT1237	13122-Z800120-0000	Piston pin clip
27	JMRT1238	13121-Z800120-0000	Piston pin
28	JMRT1239	13200-Z800110-0000	Piston ring assembly



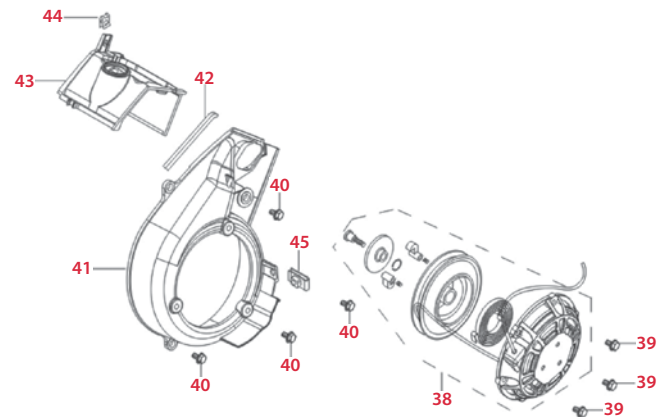
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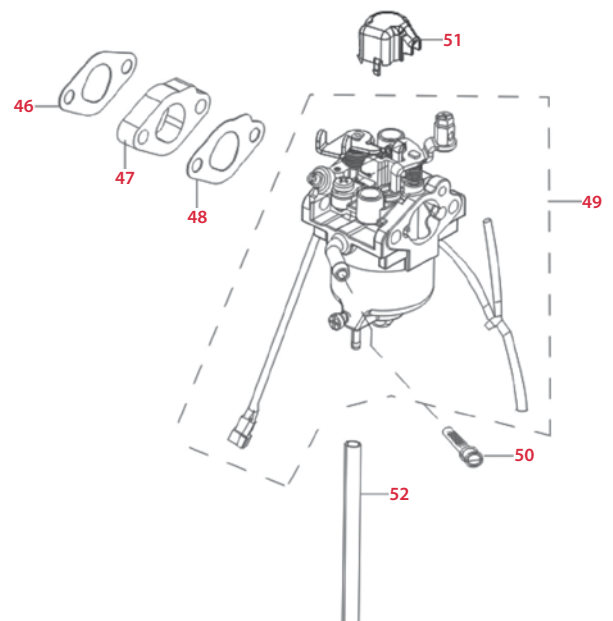
Item	JAK Max Part No.	RATO Part No.	Description
Valve Train & Camshaft Subassembly (below left)			
29	JMRT1240	14200-Z800110-0000	Camshaft assembly
30	JMRT1241	14081-Z800110-0000	Valve tappet
31	JMRT1242	12110-Z800110-0000	Valve set
32	JMRT1243	14310-Z800110-0000	Valve rocker subassembly
33	JMRT1244	12103-Z800110-0000	Valve spring
34	JMRT1245	12112-Z800110-0000	Valve spring seat
35	JMRT1246	14330-Z800110-0000	Valve rocker shaft
36	JMRT1247	12101-Z800110-0000	Seal guide
37	JMRT1248	14070-Z800110-0000	Valve lifter



Item	JAK Max Part No.	RATO Part No.	Description
Starter Recoil (below right)			
38	JMRT1249	28200-Z800120-Q200	Starter Recoil assembly
39	NS	90001-0612-01	Bolt
40	NS	90007-0616-A1	Bolt
41	NS	28110-Z800110-Q200	Shroud
42	NS	19081-Z800110-0000	Shroud seal strip
43	NS	12014-Z800110-0000	Cylinder head air deflector
44	NS	90804-Z800210-0000	Limit card
45	NS	17199-Y2V0110-0000	Nut



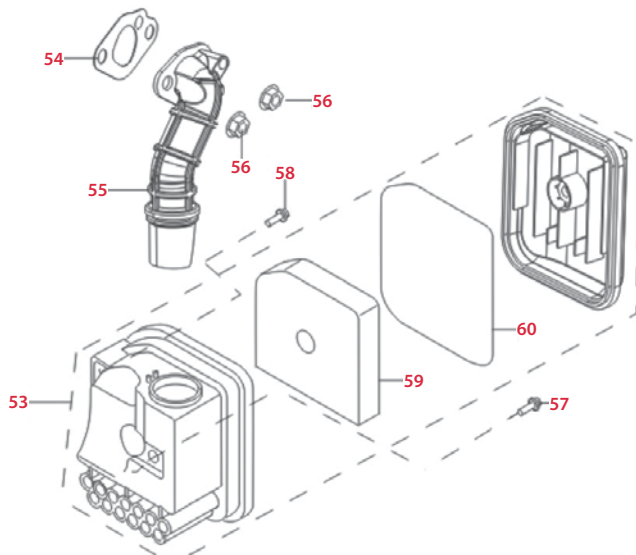
Item	JAK Max Part No.	RATO Part No.	Description
Carburettor Assembly (right)			
46	JMRT1250	16001-Z800110-0000	Carburettor gasket
47	JMRT1251	16003-Z800110-0000	Carburettor insulator plate
48	JMRT1252	16002-Z800110-0000	Carburettor insulator gasket
49	JMRT1253	16100-Z800110-0001	Carburettor assembly
50	JMRT1254	16652-Z800110-0000	Fuel filter
51	JMRT1255	14411-Y2V0110-0000	Cap
52	JMRT1256	90686-Y2V0210-0000	Fuel tube



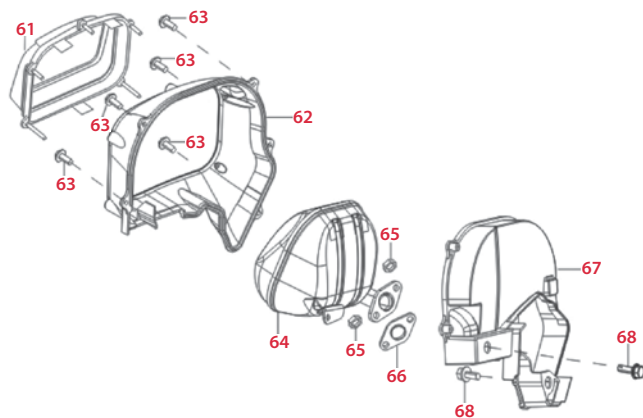
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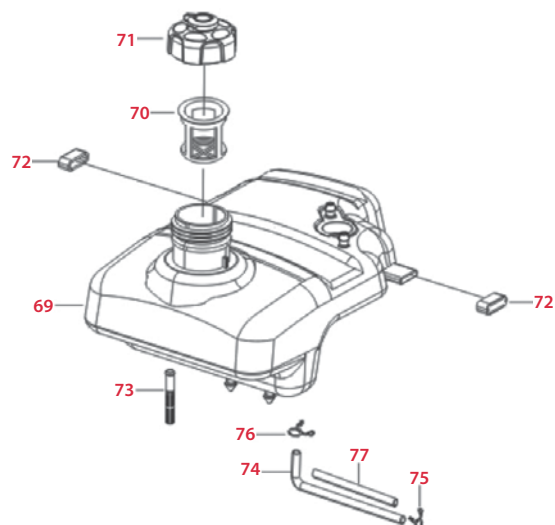
Item	JAK Max Part No.	RATO Part No.	Description
Air Cleaner (below left)			
53	JMRT1257	17100-Z800110-0000	Complete air filter
54	JMRT1258	17001-Z800110-0000	Air cleaner gasket
55	NS	17110-Z800110-0000	Air cleaner intake duct
56	NS	90305-0600-31	Nut
57	NS	90007-0520-A1	Bolt
58	NS	90007-0620-A1	Bolt
59	JMRT1259	17151-Z800110-0000	Air cleaner element
60	JMRT1260	90681-Z800110-0000	Ring seal



Item	JAK Max Part No.	RATO Part No.	Description
Muffler Assembly (below right)			
61	NS	18002-Z800110-0000	Muffler side cover
62	NS	18109-Z800110-0000	Muffler shroud
63	NS	90107-0516-01	Cross groove pan screw
64	JMRT1261	18100-Z800210-0001	Muffler assembly
65	NS	90303-0600-31	Nut
66	JMRT1262	18001-Z800110-0000	Exhaust outlet gasket
67	NS	18013HZ800110-0000	Muffler shield
68	NS	90007-0616-A1	Bolt



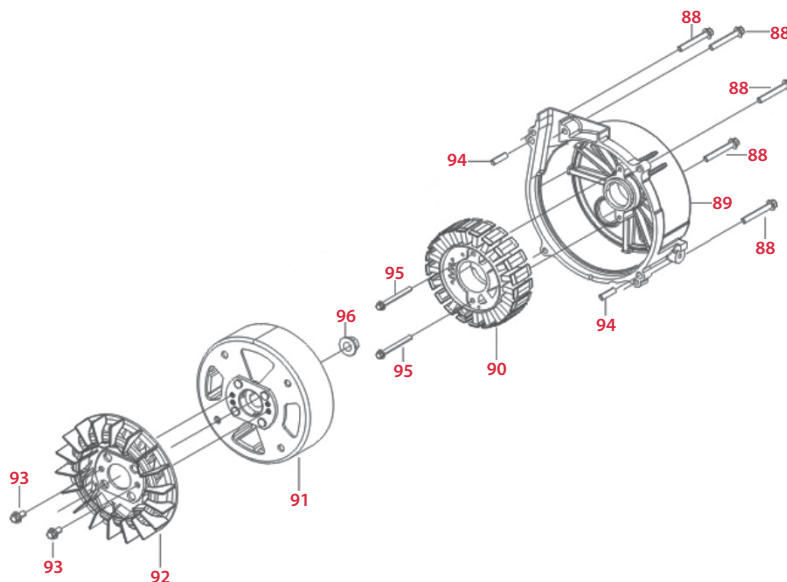
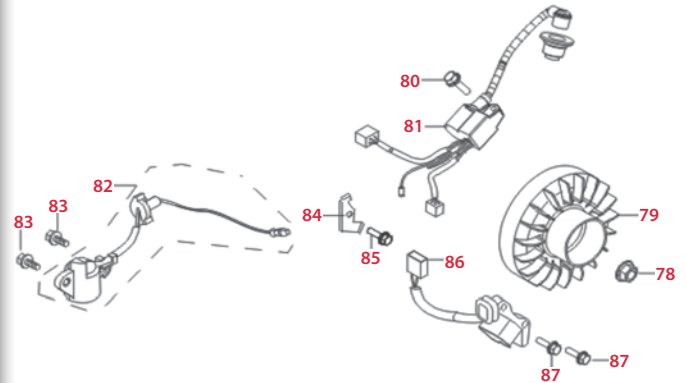
Item	JAK Max Part No.	RATO Part No.	Description
Fuel Tank Assembly (right)			
69	JMRT1263	16620-Y2V0140-Q201	Fuel tank
70	JMRT1264	16652-Y2V0110-0000	Fuel filter
71	JMRT1265	16730-Y2V0610-Q200	Fuel tank cover
72	NS	90683-Y2V0110-0000	Bush
73	NS	16514-Y2V0110-0000	Strainer element
74	NS	90686-Y2V0410-0000	Fuel tube
75	NS	90740-Z010210-0000	Collar
76	NS	90740-Z450110-0000	Collar
77	NS	30431-Y020110-0000	Rubber jacket



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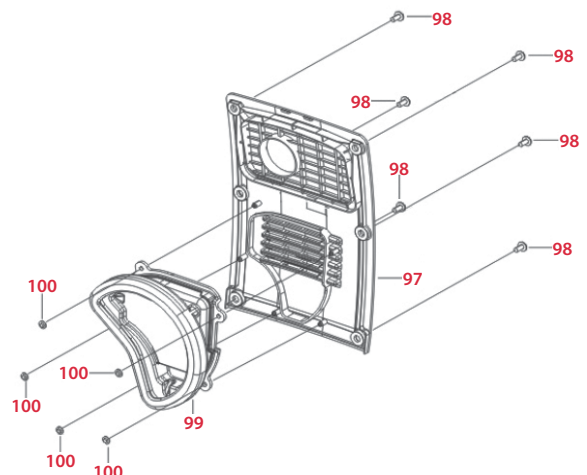
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Item	JAK Max Part No.	RATO Part No.	Description
Flywheel, Impeller, Starter Pulley & Ignition Coil (right)			
78	NS	13501-Z510110-0000	Flywheel nut
79	NS	13510-Z800110-0000	Flywheel subassembly
80	NS	90007-0620-A1	Bolt
81	NS	30700-Z800310-0000	Ignitor
82	JMRT1266	37060-Z800110-0000	Engine oil sensor
83	NS	90007-0612-A1	Bolt
84	NS	54066-Z800110-0000	Clamp
85	NS	90007-0612-A1	Bolt
86	JMRT1267	30400-Z800210-0000	Ignition coil
87	NS	90007-0620-A1	Bolt



Item	JAK Max Part No.	RATO Part No.	Description
Stator/Rotor (left)			
88	NS	90001-0630-01	Bolt
89	NS	30024-Y2V0130-0000	Motor shroud
90	JMRT1268	30120-Y2V0510-0000	Stator complete
91	JMRT1269	30110-Y2V0130-0000	Rotor complete
92	JMRT1270	19352-Y2V0110-Q200	Impeller
93	NS	90001-0610-01	Bolt
94	NS	90502-0814-00	Pin
95	NS	90001-0535-01	Bolt
96	NS	90306-1200-31	Nut

Item	JAK Max Part No.	RATO Part No.	Description
Muffler Side Cover (right)			
97	NS	18002-Y2V0210-Q200	Muffler side cover
98	NS	90255-0512-53	Pan head screw & washer assembly
99	NS	53202-Y2V0110-0000	Joint rubber cushion
100	NS	37073-Y2V0110-0000	Spring clip

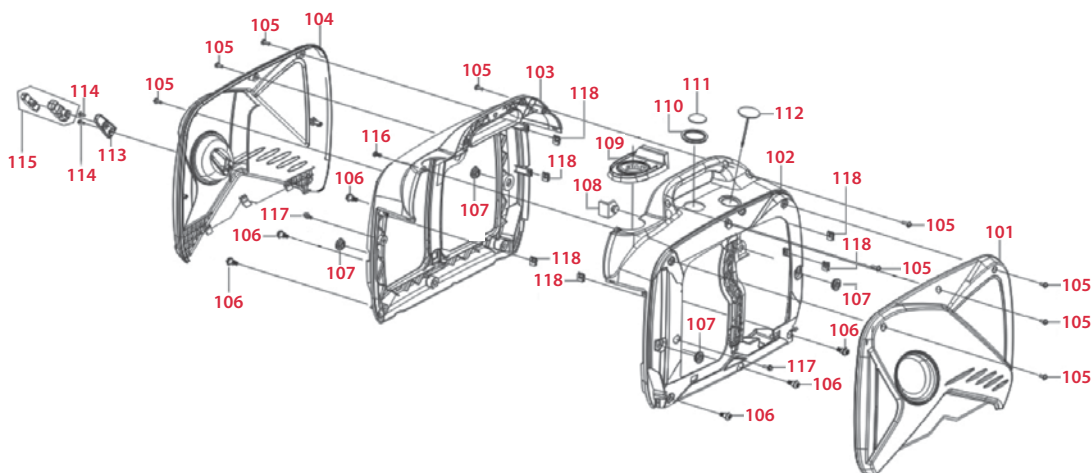


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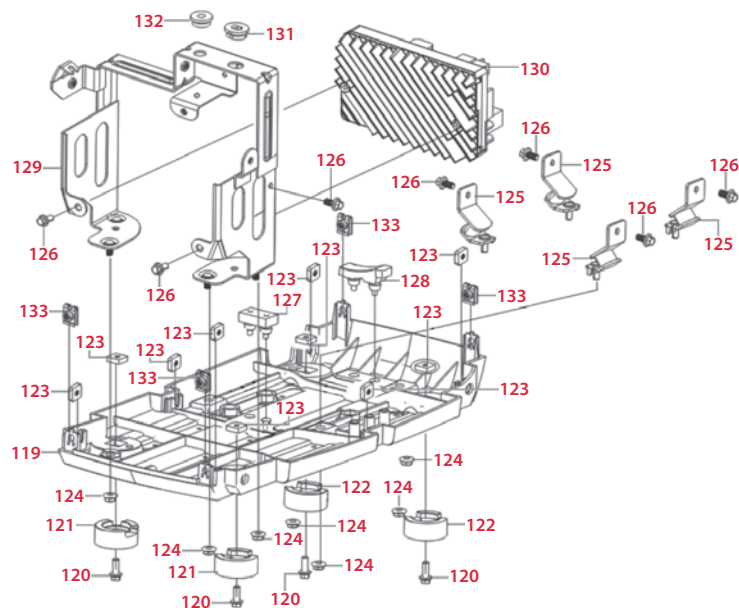
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Item	JAK Max Part No.	RATC Part No.	Description
Outer Casing (below)			
101	JMRT1271	80096-Y5V0110-SI00	Cover board, right
102	JMRT1272	80095-Y5V0120-Q200	Shell, right
103	JMRT1273	80091-Y5V0120-Q200	Shell, left
104	JMRT1274	80092-Y5V0110-SI00	Cover board, left
105	NS	90255-0516-53	Bolt
106	NS	90208-Y2V0110-0000	Bolt
107	NS	16601-Y2V0210-0000	Sleeve, fuel tank rubber
108	NS	50033-Y2V0110-0000	Jacket, rubber
109	NS	16641-Y2V0110-0000	Sleeve, filling oil hole rubber

Item	JAK Max Part No.	RATC Part No.	Description
Outer Casing - continued (below)			
110	NS	30431-Y2V0310-0000	Jacket, rubber
111	NS	37205-Y2V0310-0000	Opening, oil level view
112	NS	30431-Y2V0110-0000	Assembly, pan head screw & washer
113	NS	28004-Y2V0210-0000	Guide starting rope
114	NS	90255-0512-53	Washer and screw component
115	NS	28210-Y2V0110-0000	Handle, Starter Recoil cable
116	NS	90129-0416-01	Screw
117	NS	90007-0612-A1	Bolt
118	NS	17199-Y2V0110-0000	Nut



Item	JAK Max Part No.	RATC Part No.	Description
Bottom Plate & Inverter Frame Assembly (right)			
119	NS	51143-Y5V0210-Q200	Bottom plate
120	NS	90001-0614-01	Bolt
121	NS	51014-Y2V0140-0000	Frame seat
122	NS	51014-Y2V0250-0000	Frame seat
123	NS	90326-Y2V0110-0000	Nut
124	NS	90305-0600-31	Nut
125	NS	51005-Y2V0110-0000	Engine frame cushion
126	NS	90001-0612-01	Bolt
127	NS	50035-Y2V0210-0000	Cushion rubber bracket
128	NS	50035-Y2V0110-0000	Cushion rubber bracket
129	NS	30081-Y2V0120-H700	Inverter assembling frame
130	JMRT1275	30043-Y5V1410-0000	Invertor
131	NS	16601-Y2V0210-0000	Fuel tank rubber sleeve
132	NS	16601-Y2V0110-0000	Fuel tank rubber sleeve
133	NS	90001-0612-01	Bolt
	NS	17199-Y2V0110-0000	Nut



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Control Panel Assembly (below)			
134	NS	35610-Y5V4710-H300	Control panel assembly
135	NS	90124-Y9T0310-53	Cross groove pan screw
136	NS	35680-Y5V0110-Q200	Panel sear
137	NS	90255-0516-53	Fuel tank rubber sleeve
138	NS	90103-0416-51	Screw
139	NS	35643-Y2V0210-Q200	Knob
140	NS	35160-YB00110-0000	Switch subassembly
141	NS	94111-Y2V0410-0000	Switch subassembly
142	NS	90543-0500-00	Steel ball
143	NS	16527-Y2V0210-0000	Stopper adjusting spring
144	NS	16080-Y2V0110-0000	Choke hand subassembly
145	NS	16750-Y2V0140-0000	Fuel cock assembly
146	NS	90001-0612-01	Bolt
147	NS	90740-Z010210-0000	Collar

Item	JAK Max Part No.	RATC Part No.	Description
Control Panel Assembly - continued (below)			
148	NS	90686-Y2V0510-0000	Fuel tube
149	NS	90685-Z030510-0000	Collar
150	NS	30431-Y020110-0000	Rubber jacket
151	NS	35660-YB00220-0000	Control panel wiring harness
152	NS	90129-0416-01	Cross groove pan screw
153	NS	37099-Y2V0110-0000	Indicator seat
154	NS	35620-YAY0110-0000	Indicator assembly
155	NS	35540-Y2V0110-0000	Idle switch
156	NS	35621-Y020110-0000	Rectification bridge
157	NS	35614-Y020410-0000	Power supply socket subassembly
158	NS	35629-Y2V0110-0000	Grounding terminal combination
159	NS	31234-Y020110-0000	Overcurrent protector
160	NS	35619-Y2V0110-0000	DC socket subassembly

