

R3000iE Inverter Generator

Product Information

The RATC R3000iE inverter generator is ideal for generating high quality pure sine wave electricity to power your domestic and commercial equipment. With a rated output of 3,000 watts, this quiet generator can run for up to 8.5 hours on continuous 1/2 load operation and comes with electric and recoil start for convenient back up and ease of use.

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.



SPECIFICATIONS

R3000iE

Engine model	R210-i
Engine type	Air cooled, 4 stroke, OHV, single cylinder
Starting system	Recoil / Electric start with LI battery
Displacement	212ml
Bore x stroke	70 x 55mm
Compression ratio	9 : 1
Rated frequency	50Hz
Rated voltage	230v
Rated power	3.2kw
Max. power	3.5kw
DC output	12v / 8.3A
Fuel tank capacity	10 litres
Full load continuous running time	5 hours
1/2 load continuous running time	8.5 hours
Noise (7m)	69dB
Dimensions (L x W x H mm)	645 x 480 x 500
Net weight	46kg

Features

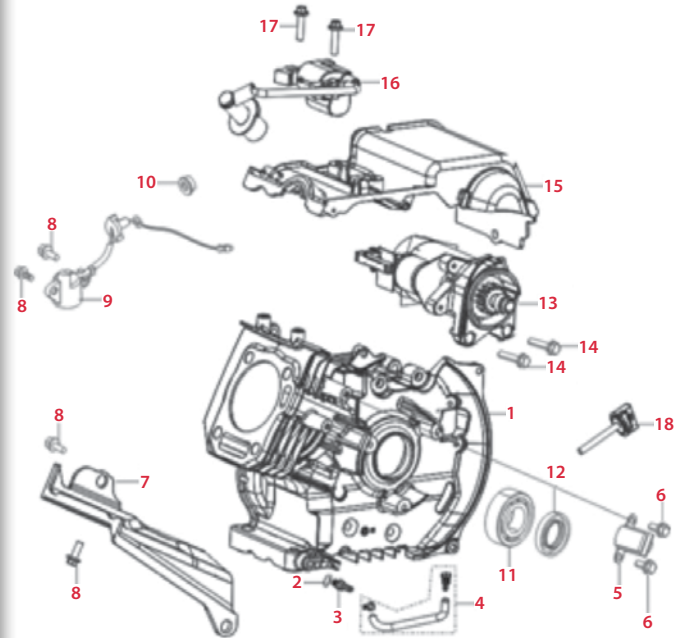
- With parallel-in function, two inverter generators, with the same specifications or not, can be in parallel with each other.
- Convenient recoil and electric start.
- Free shifting between 50Hz and 60Hz.
- Lightweight and low noise level.
- USB port.
- Wheels and handle for easy movement.



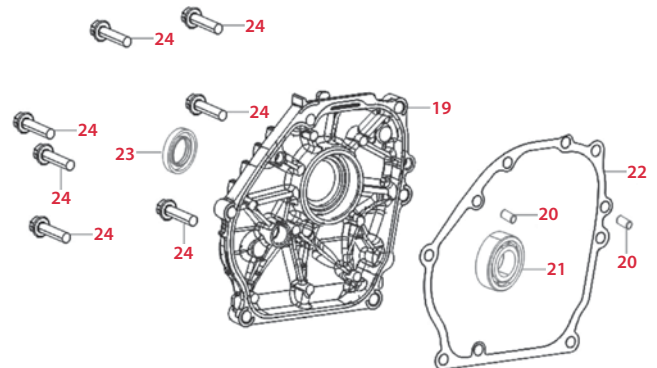
*NS - Not Stocked by JAK Max however available from RATC. Special order only, 3 month lead time.

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Item	JAK Max Part No.	RATO Part No.	Description
Crankcase (right)			
1	NS	11310-Z1D0110-0009	Crankcase subassembly
2	NS	90408-Z010510-0000	Flat washer
3	NS	90689-Z430210-0000	
4	NS	11011HZ1D0210-OB00	Oil drain tube
5	NS	30130-Z1D0110-0000	Trigger
6	NS	90001-0516-01	Bolt
7	NS	19309-Z1D0110-0000	Crankcase side shield
8	NS	90001-0616-01	Bolt
9	JMRT1004	37060-Z010120-0000	Engine oil sensor
10	NS	90305-Z010210-01	Nut
11	NS	90547-0305-CLTM	Deep groove ball bearing
12	NS	90682-Z010110-0000	Oil seal
13	NS	30300-Z1D0110-0000	Starter motor assembly
14	NS	90001-0628-01	Bolt
15	NS	16675-Z1D0110-0000	
16	JMRT1410	30400-Z1D0110-0000	Ignition coil
17	NS	90001-0628-01	Bolt
18	NS	15010-Z010130-Q500	Oil dipstick subassembly



Item	JAK Max Part No.	RATO Part No.	Description
Crankcase Cover Subassembly (right)			
19	NS	11411-Z1D0110-0000	Crankcase cover
20	NS	90502-0812-00	Pin
21	NS	90547-0205-CLTM	Deep groove ball bearing
22	JMRT1366	11001-Z010120-0000	Crankcase gasket
23	NS	90682-Z010110-0000	Oil seal
24	NS	90001-0832-01	Bolt

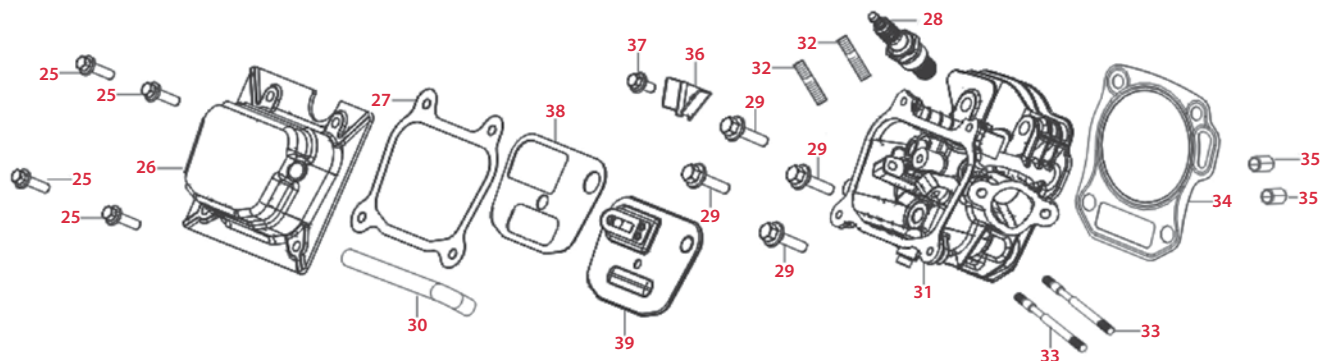


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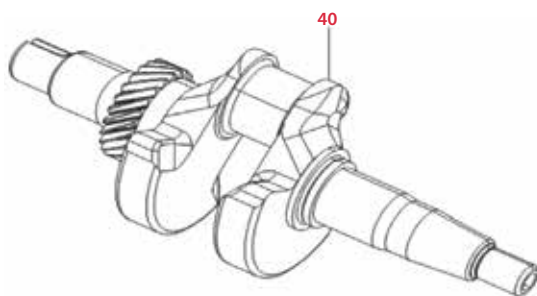
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Item	JAK Max Part No.	RATO Part No.	Description
Cylinder Head Subassembly & Spark Plug (below)			
25	NS	90001-0612-01	Bolt
26	NS	12410-Z1D0110-0000	Cylinder head cover subassembly
27	JMRT1411	12004-Z1D0110-0000	Cylinder head cover gasket
28	BPR6ES	30010-Z010110-0000	Spark plug
29	NS	12003-Z010110-0000	Cylinder head bolt
30	NS	17004-Z1D0110-0000	Breather tube
31	NS	12140-Z950210-00A0	Cylinder head subassembly
32	NS	90203-Z010110-0000	Bolt

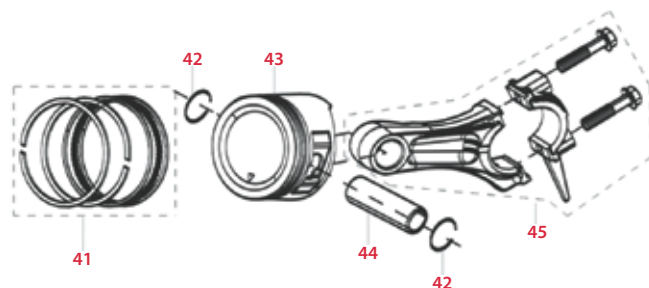
Item	JAK Max Part No.	RATO Part No.	Description
Cylinder Head Subassembly & Spark Plug - continued (below)			
33	NS	90207-Z330210-0000	Bolt
34	JMRT1412	12131-Z950210-0000	Cylinder head gasket
35	NS	90502-1114-00	Pin
36	NS	12419-Z950210-0000	
37	NS	90001-0612-03	Bolt
38	NS	11332-Z1D0110-0000	Breath groove gasket
39	NS	11320-Z1D0110-0000	Breath piece



Item	JAK Max Part No.	RATO Part No.	Description
Crankshaft (below left)			
40	NS	13300-Z1D0110-0000	Crankshaft assembly



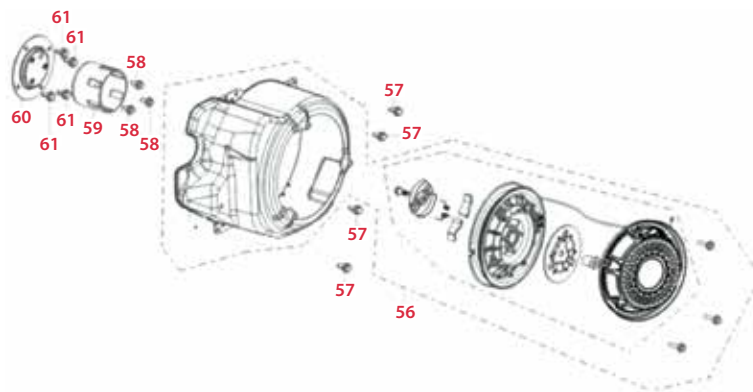
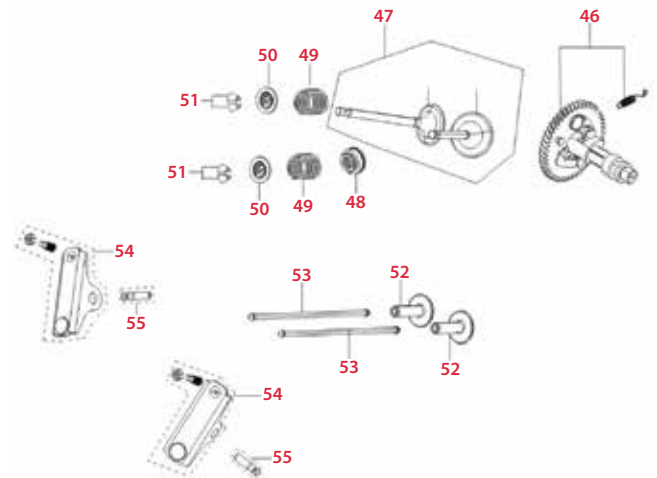
Item	JAK Max Part No.	RATO Part No.	Description
Oil Ring Set & Crankshaft Connecting Rod (below right)			
41	JMRT1011	13200-Z140210-0099	Piston ring set
42	JMRT1012	13122-Z010110-0000	Piston pin clip
43	JMRT1413	13111-Z950120-00A0	Piston
44	JMRT1014	13121-Z010110-0000	Piston pin
45	NS	13010-Z950110-0000	Connecting rod



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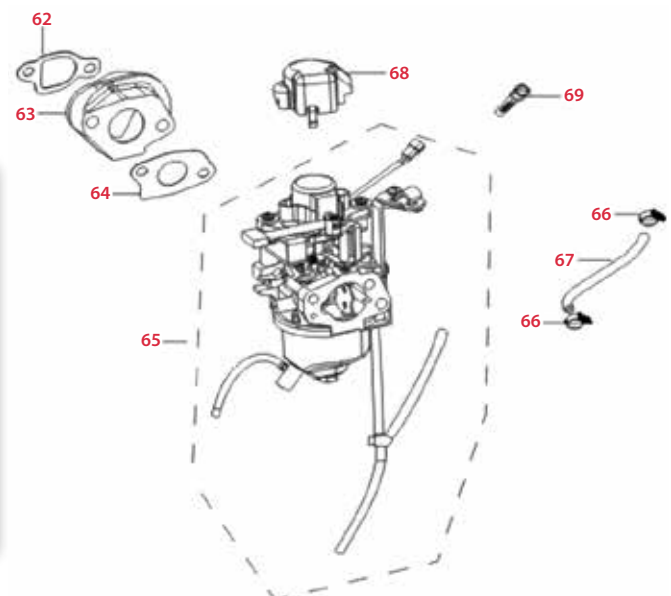
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Item	JAK Max Part No.	RATO Part No.	Description
Valve Train & Camshaft Subassembly (right)			
46	NS	14200-Z950120-0000	Camshaft assembly
47	NS	12110-Z950110-0000	Valves set
48	NS	12101-Z810210-0000	Seal guide
49	NS	12103-Z010110-0000	Valve spring
50	NS	12112-Z810210-0000	Valve spring seat
51	NS	12109-Z810110-0000	Valve lock clamp
52	NS	14081-Z040110-0000	Valve tappet
53	NS	14071-Z950110-0000	Valve lifter
54	NS	14310-Z950110-0000	Valve rocker subassembly
55	NS	14318-Z950110-0000	Valve rocker shaft



Item	JAK Max Part No.	RATO Part No.	Description
Starter Recoil (left)			
56	JMRT1414	28100-Z1D0110H6H6B	Starter Recoil
57	NS	90001-0612-01	Bolt
58	NS	90001-0610-01	Bolt
59	JMRT1415	28002-Z1D0110-0000	Starter pulley
60	NS	28020-Z150120-0000	Starter cup seat
61	NS	90001-0614-01	Bolt

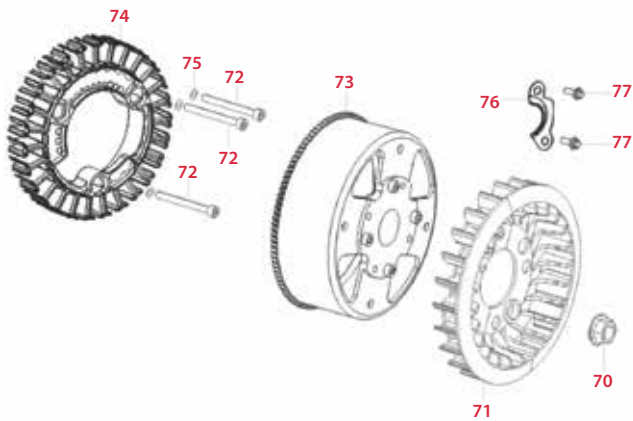
Item	JAK Max Part No.	RATO Part No.	Description
Carburettor Assembly (right)			
62	NS	16002-Z950110-0000	Carburettor insulator gasket
63	NS	16003-Z1D0110-0000	Carburettor insulator plate
64	JMRT1038	16001-Z010110-0000	Carburettor gasket
65	JMRT1416	16100-Z1D0210-0009	Carburettor assembly
66	NS	90685-Z020110-0000	Clamp
67	NS	90686-YBW0110-0000	Fuel tube
68	NS	14411-Y2V0110-0000	Cap
69	NS	16652-Z800110-0000	Fuel strainer



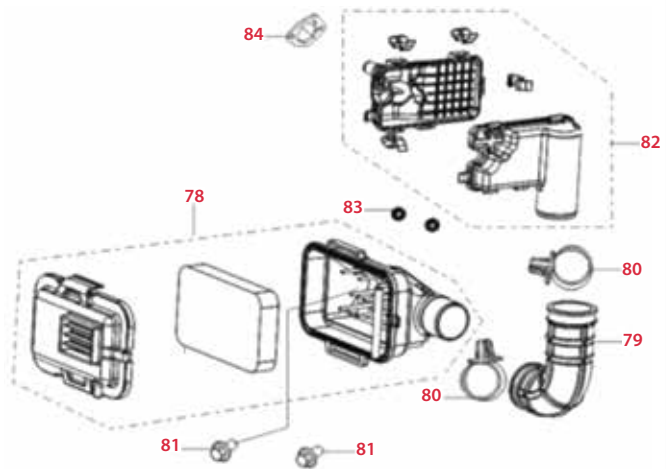
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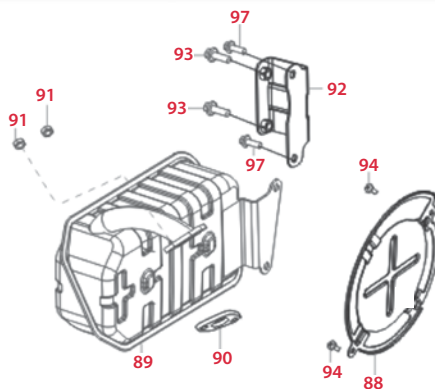
Item	JAK Max Part No.	RATO Part No.	Description
Flywheel, Impeller, Starter Pulley & Ignition Coil (below)			
70	NS	13501-Z010110-0000	Flywheel nut
71	NS	19352-Z1D0110-0000	Impeller
72	NS	90102-0660-06	
73	NS	30110-YBW0110-0000	Magneto rotor case subassembly
74	NS	30120-YE20110-0000	Magneto stator subassembly
75	NS	90408-0600-E1	Flat washer
76	NS	30002-Z1D0110-0000	Magneto wiring clamp
77	NS	90001-0510-01	Bolt



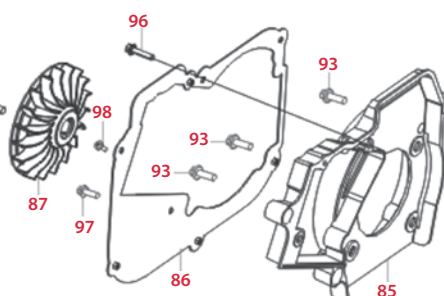
Item	JAK Max Part No.	RATO Part No.	Description
Air Cleaner (below right)			
78	JMRT1417	17100-Z1D0110-0000	Air cleaner
79	NS	12510-Z1D0110-0000	Intake tube
80	NS	12081-Z1D0110-0000	
81	NS	90001-0625-01	Bolt
82	NS	17400-Z1D0110-0000	
83	NS	90305-0600-31	Nut
84	JMRT1418	17001-Z1D0110-0000	Air cleaner gasket



Item	JAK Max Part No.	RATO Part No.	Description
Muffler Assembly (below)			
85	NS	28110HYBW0110-Q200	Shroud
86	NS	18299HYBW0120-0000	
87	NS	19352HYBW0110-Q200	Impeller
88	NS	18020-YBW0110-0000	Muffler insulator plate
89	JMRT1419	18100-YBW0110-0000	Muffler assembly
90	JMRT1420	18001-Z950110-0000	Exhaust outlet gasket



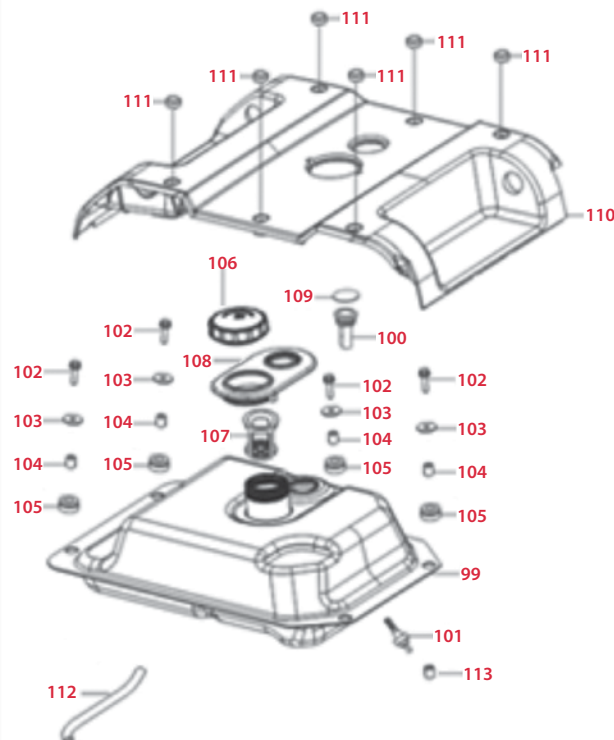
Item	JAK Max Part No.	RATO Part No.	Description
Muffler Assembly - continued (below)			
91	NS	90303-0800-31	Nut
92	NS	18030HYBW0110-H300	Muffler bracket
93	NS	90001-0816-01	Bolt
94	NS	90134-YB00110-0000	Bolt
95	NS	90001-0820-01	Bolt
96	NS	90007-0635-A1	Bolt
97	NS	90001-0612-01	Bolt
98	NS	90124-Y9T0310-0000	Cross groove pan screw



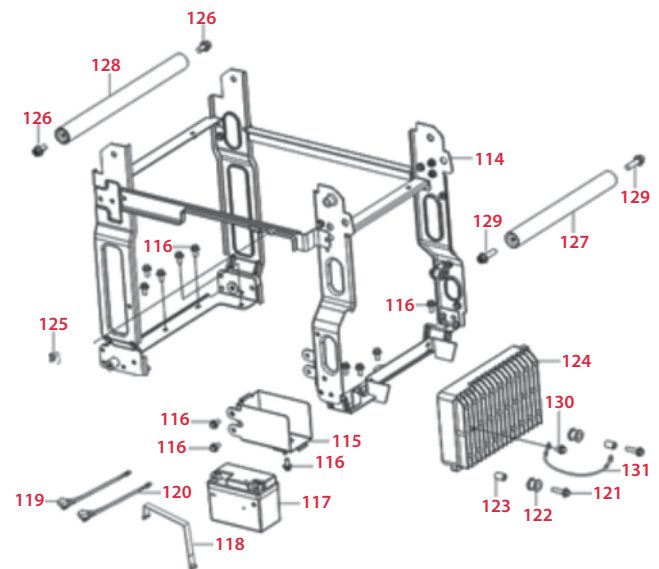
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Item	JAK Max Part No.	RATO Part No.	Description
Fuel Tank Assembly (below left)			
99	JMRT1421	16620-YBS0110-H700	Fuel tank assembly
100	NS	37200-Y5V0110-0000	Oil level assembly
101	NS	16680-Y2P0110-0000	Fuel tank oil outlet subassembly
102	NS	90001-0620-01	Bolt
103	NS	90408-Y020310-0000	Flat washer
104	NS	90683-Y020110-0000	Bush
105	NS	16601-Y020120-0000	Fuel tank rubber sleeve
106	NS	16730-YBR0210-Q200	Fuel tank cover
107	NS	16652-Y9T0110-0000	Fuel strainer
108	NS	16641-YBW0110-0000	Filling oil hole rubber sleeve
109	NS	37205-Y2V0310-0000	Oil level view opening
110	NS	94230HYBW0110-Q200	Upper cover
111	NS	90722-YBW0110-0000	End plug
112	NS	30431-Y020110-0000	Rubber jacket
113	NS	30431-YBW0210-0000	Rubber jacket



Item	JAK Max Part No.	RATO Part No.	Description
Frame Assembly (below right)			
114	NS	51100-YBW0320-H700	Engine frame assembly
115	NS	31130-YBW0210-QC00	Battery case
116	NS	90001-0612-01	Bolt
117	JMRT1314	31110-Y030610-0000	Battery
118	NS	31115-YBW0110-0000	Battery band
119	NS	31112HY1N0210-0000	Anode wire
120	NS	31114HY5R0110-0000	Cathode wire
121	NS	90001-0625-01	Bolt
122	NS	90683-Y2P0210-0000	Bush
123	NS	30431-Y2P0110-0000	Rubber jacket
124	NS	30043-YBS0310-0000	Invertor
125	NS	90001-0620-01	Bolt
126	NS	90001-0816-01	Bolt
127	NS	80153HYBW0110-H800	Handle
128	NS	80153HYBW0210-H800	Handle
129	NS	90001-0830-03	Bolt
130	NS	90103-0408-51	Screw
131	NS	30009-YBW0110-0000	Grounding

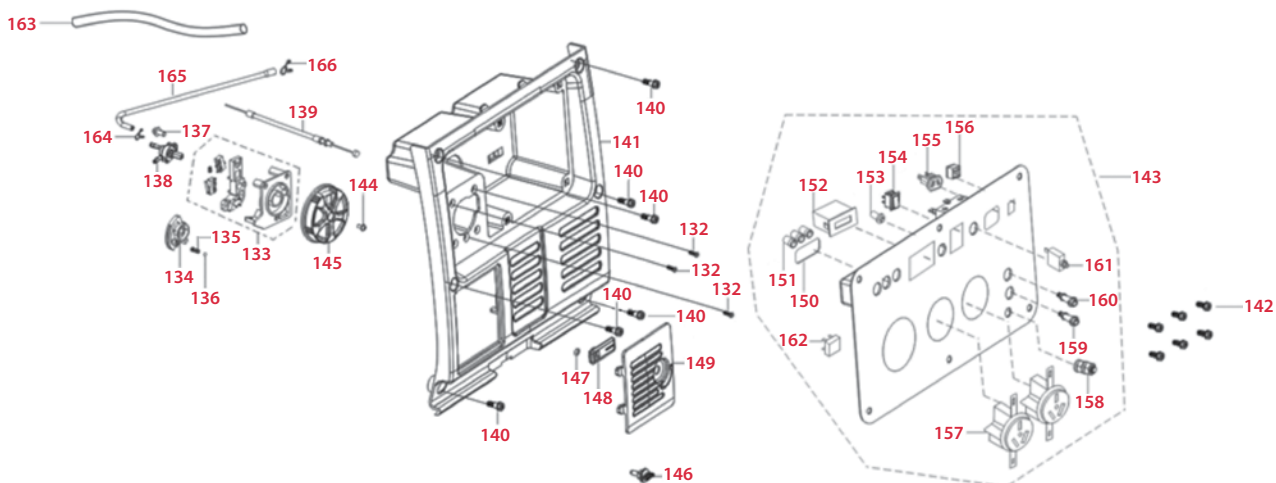


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Item	JAK Max Part No.	RATC Part No.	Description
Control Panel Assembly (below)			
132	NS	90129-0416-01	
133	NS	35160-YBR0110-0000	Switch subassembly
134	NS	94111-Y2V0410-0000	Switch subassembly
135	NS	16527-Y2V0210-0000	Stopper adjusting spring
136	NS	90543-0500-00	Steel ball
137	NS	90001-0614-01	Bolt
138	NS	16750-Y2V0140-0000	Fuel cock assembly
139	NS	16080-YBW0110-0000	Choke handle subassembly
140	NS	90208-YB00410-0000	Bolt
141	NS	35680HYBW0110-Q200	Panel seat
142	NS	90255-0512-53	
143	NS	35610-YBS0610-H300	Control panel subassembly
144	NS	90103-0416-51	Screw
145	NS	35643HYBR0110-0000	Knob
146	NS	90208-Y9T0120-0000	Bolt
147	NS	90341-YA50110-0000	Nut
148	NS	24329-YCF0110-Q200	Lever

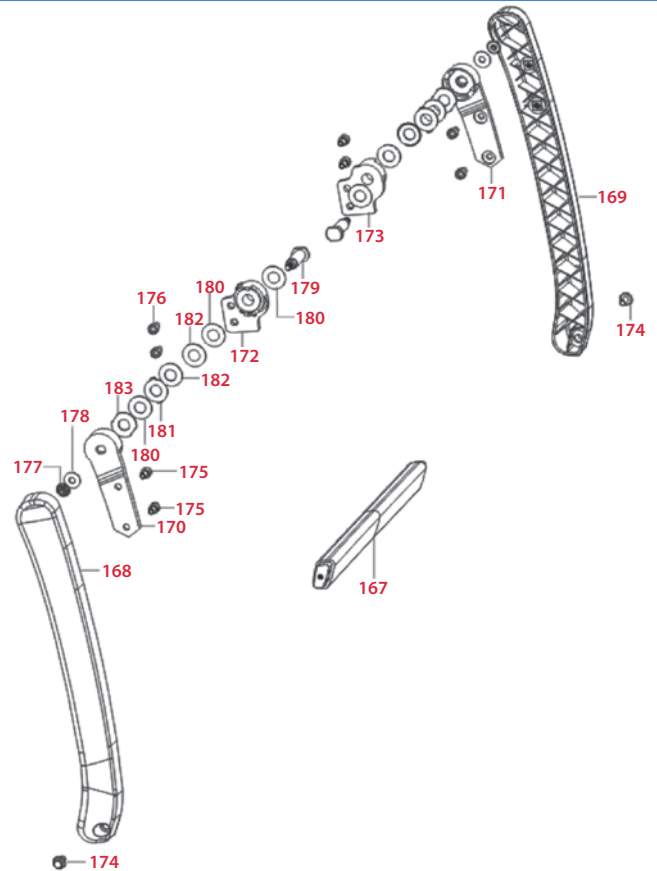
Item	JAK Max Part No.	RATC Part No.	Description
Control Panel Assembly - continued (below)			
149	NS	31123HYBW0110-Q200	
150	NS	35620-YAY0110-0000	Indicator assembly
151	NS	37099-Z260110-0000	Indicator seat
152	NS	35632-Y130110-0000	Timer
153	NS	35646-Y2V0210-0000	Resetting button
154	NS	35160-Y0G0110-0000	Switch subassembly
155	NS	35619-Y2V0110-0000	DC socket subassembly
156	NS	35619-Y9T0110-0000	DC socket subassembly
157	NS	35614-Y020510-0000	Power supply socket subassembly
158	NS	35629-Y2V0110-0000	Grounding terminal subassembly
159	NS	35614-Y2P0310-0000	Power supply parallel socket
160	NS	35614-Y2P0210-0000	Power supply parallel socket
161	NS	31234-Y9H0110-0000	Overcurrent protector
162	NS	35621-Y2V0110-0000	Rectification bridge
163	NS	30431-YBW0210-0000	
164	NS	90685-Z030220-0000	Clamp
165	NS	90686-YBW0210-0000	Fuel tube
166	NS	90685-Z020110-0000	Clamp



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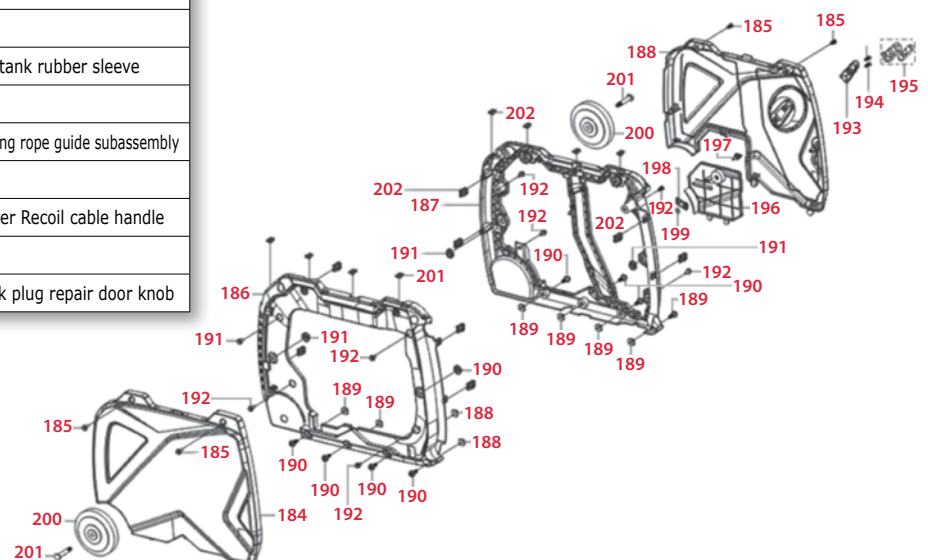
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Item	JAK Max Part No.	RATO Part No.	Description
Handle Assembly (right)			
167	NS	54913-YBW0110-0P00	
168	NS	54912HYBW0110-Q200	
169	NS	54912HYBW0210-Q200	
170	NS	54122-YBW0110-H700	
171	NS	54122-YBW0210-H700	
172	NS	54113-YBW0120-0000	Handle tube connecting seat
173	NS	54113-YBW0220-0000	Handle tube connecting seat
174	NS	90001-0612-01	Bolt
175	NS	90001-0610-03	Bolt
176	NS	90001-0616-01	Bolt
177	NS	90341-Y2D0210-0000	Nut
178	NS	90408-Y840210-0000	Flat washer
179	NS	26231-YBW0110-0000	
180	NS	90412-YBW0210-0100	Flat washer
181	NS	94101-YBW0110-0100	Position fixing block
182	NS	90419-YBW0110-0300	
183	NS	90412-YBW0110-Q200	Flat washer



Item	JAK Max Part No.	RATO Part No.	Description
Outer Case (below)			
184	NS	80092HYBW0110-SI02	Left cover board
185	NS	90208-YB00210-0000	Bolt
186	NS	80091HYBW0110-Q200	Left shell
187	NS	80095HYBW0110-Q200	Right shell
188	NS	80096HYBW0110-SI02	Right cover board
189	NS	90326-Y2V0110-0000	
190	NS	90208-YB00110-0000	Bolt
191	NS	16601-Y2V0210-0000	Fuel tank rubber sleeve
192	NS	90001-0612-01	Bolt
193	NS	28004-Y2V0210-0000	Starting rope guide subassembly
194	NS	90255-0512-53	
195	NS	28210-Y2V0110-0000	Starter Recoil cable handle
196	NS	51197HYBW0110-SI00	
197	NS	80105-YB00110-Q200	Spark plug repair door knob

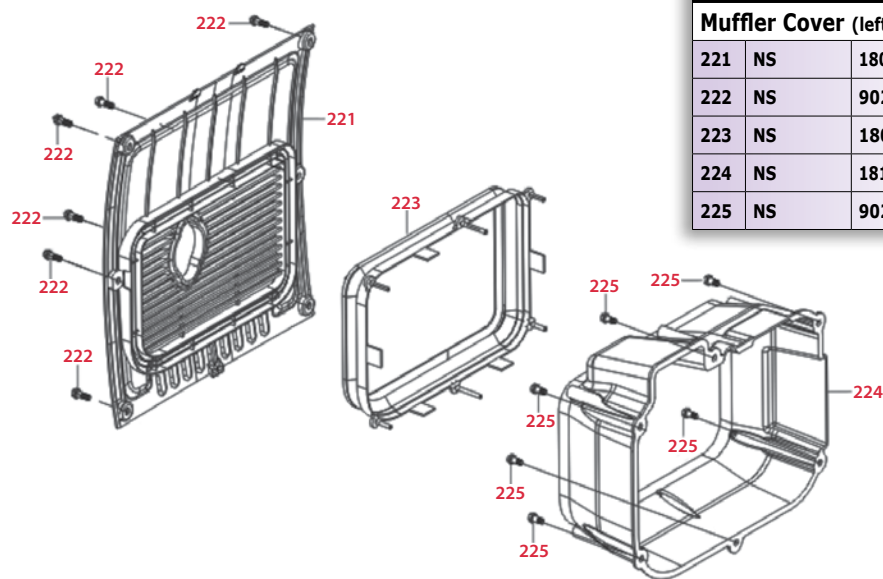
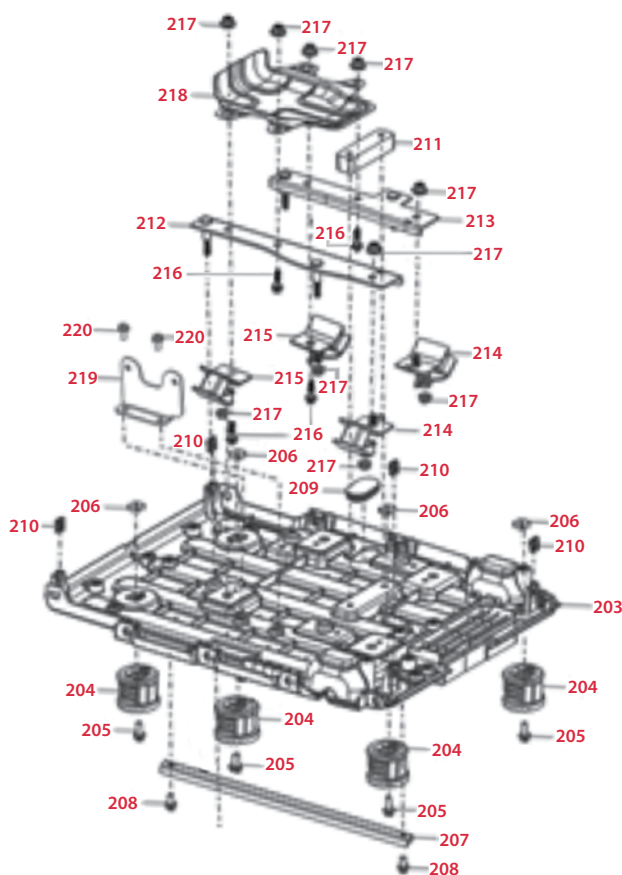
Item	JAK Max Part No.	RATO Part No.	Description
Outer Case - continued (below)			
198	NS	24329-YCF0110-Q200	Lever
199	NS	90341-YA50110-0000	Nut
200	NS	44110-Y2P0110-0000	Front wheel
201	NS	42002-YBW0110-0000	Rear wheel shaft
202	NS	17199-YB00110-0000	Nut



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Item	JAK Max Part No.	RATO Part No.	Description
Bottom Plate & Feet (right)			
203	NS	51143HYBW0110-Q200	Bottom plate
204	NS	51014HYBW0110-0000	Engine frame shock absorption seat
205	NS	90001-0616-01	Bolt
206	NS	90326-Y2V0110-0000	
207	NS	51103-YBW0110-H700	
208	NS	90001-0612-01	Bolt
209	NS	90722-Y2P0110-0000	End plug
210	NS	17199-YB00110-0000	Nut
211	NS	50035-YBW0110-0000	Cushion rubber bracket
212	NS	51188HYBW0110-QC00	
213	NS	51189HYBW0110-QC00	
214	NS	51009HY2P0110-0000	Engine frame left cushion
215	NS	51011HY2P0210-0000	Engine frame right cushion
216	NS	90001-0840-01	Bolt
217	NS	90305-0800-31	Nut
218	NS	19306-Z1D0110-0000	Crankcase air deflector
219	NS	17003HYBW0110-H700	Air cleaner support
220	NS	90001-0612-01	Bolt



Item	JAK Max Part No.	RATO Part No.	Description
Muffler Cover (left)			
221	NS	18002HYBW0110-Q200	Muffler side cover
222	NS	90208-YB00410-0000	Bolt
223	NS	18018-Y2P0120-0000	
224	NS	18130HYBW0110-Q200	Muffler outer cover
225	NS	90208-YB00210-0000	Bolt