

PARTS DRAWING
QL2000VE

Parts List

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	400268	LABEL HOT ENGINE	1
2	400339	KNOB	3
3	400424	LABEL OPEI WARNING	3
4	400502	WASHER LOCK 3/8 TWIST	5
5	400570	GRIP HANDLE 1" x 13"	1
6	500282	STRAIN RELIEF HEYCO 1244	1
7	790100	ENGINE 20 HP HORIZ. VANGUARD	1
8	790129	LINE FUEL QL	1
9	790130	CONTROL THROTTLE QL	1
10	790131	CONTROL CABLE CHOKE	1
11	790132	CABLE BATTERY RED 26"	1
12	790133	CABLE BATTERY BLACK 10"	1
13	790134	CLAMP FUEL LINE	2
14	790135	COVER CONTROL QL	1
15	790136	SCREWCAP 7/16-14 x 1 3/4" GR. 5	4
16	790137	GUARD MANIFOLD GUARD	1
17	790103-S	IMPELLER 16" x 1.12" ASSY QL (INCL. 4,32,84)	1
18	790142	LABEL QL INSTRUCT/WARN	1
19	790143-S	BASE ENGINE ASSY QL(INCLUDES 72)	1
20	790144	WHEEL 4" DIA. X 2" W/SPANNER	2
21	790145-S	ELBOW 8" ASSY QL(INCLUDES 2,3,43)	1
22	790255-S	CLAMP ASSEMBLY	1
23	790147	DEFLECTOR EXHAUST QL	1
24	790211	HOSE 12" x 10' INTAKE W/WEARSTRIP	1
25	790149	NOZZLE INTAKE 12" FORMED	1
26	790150	CLAMP HOSE 12"	2
27	790151	ROD PIVOT BOOM WA QL	1
28	790152	SPRING BOOM QL	1
29	790153	BAND HOSE BOOM 12" FORMED	1
30	790154	ARM BOOM QL	1
31	790155	BOLT EYE 3/8" x 4"	1
32	500269	SCREWCAP 7/16-20X3" GR.8 [TORQUE 60 ft.lb. (81.4Nm)]	1
33	790140-S	INTAKE HOUSING ASSY QL(INCL. 3,6,34,35,55,60,63,69)	1
34	790174	SWITCH INTERLOCK QL	1
35	790175	HARNESS WIRE ASSY QL	1
36	790141-S	HOSE INTAKE ASSY QL (INCLUDES 37,38,39,48,54,60)	1
37	790178	SPRING LOCK LATCH QL	1
38	790179	GRIP 1" ID x 4" LG	2
39	790187	LEVER LOCK QL	1
40	790189	CHAIN HANG HOSE QL	1
41			
42	810656	LABEL THROTTLE	1
43	810736	LABEL FLYING DEBRIS	2
44	811020	HANDLE NOZZLE W/ GRIP	1
45	811019	HANDLE ADJ. NOZZLE W/ GRIP	1
46	790238	BOLT J-HOOK	1
47	850132	WASHER LOCK 7/16 TWIST	4
48	890132	PLUG RD 1"	4
49	890254	LABEL EAR EYE BREATHE	1
50	890301	LABEL READ	1
51	*8024043	BOLT CARRAIGE 5/16-18 x 1 3/4	3
52	*8041030	SCREWCAP 5/16-18 x 1 1/2	4
53	*8041031	SCREWCAP 5/16-18 x 1 3/4	4
54	*8041033	SCREWCAP 5/16 - 18 x 2 1/4"	1
55	*8024050	BOLT CARR. 5/16 - 18 x 3 1/2	1
56	*8041051	SCREW CAP 3/8 - 16x 1 1/4	4
57	*8041104	SCREWCAP 1/2-13 x 3 1/2"	2
58	*8122082	SCREW SM 1/4 x 3/4	6
59	*8160001	NUT LOCK 1/4"-20 HEX Z/P	3
60	*8160002	NUT LOCK 5/16-18	32
61	*8160003	NUT LOCK 3/8	3
62	*8161044	NUT LOCK 1/2-13 THIN	2

* Denotes standard hardware item that may be purchased locally.

Parts List continued from page 11.

63	*8171003	WASHER 5/16 FLAT CUT	22
64	*8171004	WASHER FLAT 3/8	2
65	*8172007	WASHER 1/4 SAE	2
66	*8172008	WASHER 5/16 SAE	2
67	*9201125	KEY 1/4 x 2 3/4	1
68	*8172020	WASHER 5/16 FENDER	4
69	790163	DOOR FLAPPER INTAKE QL WA	1
70	790230	BRACKET BATTERY QL	1
71	790231	ROD BATTERY HOLD DOWN	2
72	790232	LABEL WARNING SECURE	3
73	790125-S	HOUSING ASSY QL (INCLUDES 18,49,50,72)	1
74	430208	SHEET METAL SCREW 1/4 x 3/4 DRILL POINT	2
75	790138-01	GUARD MUFFLER GUARD	1
76	790138-02	GUARD MUFFLER GUARD BOTTOM	1
77	830276	LABEL ON / OFF	1
78	790228	BRACKET WHEEL QL	2
79	790240	90 DEGREE ELBOW 1/8" NPT MALE X 1/4"	1
80	*8041026	SCREWCAP 5/16-18 X 3/4 HCS ZP	4
81	790258	CAP TANK FUEL 3 GAL	1
82	790257	TANK FUEL 3 GAL ASSY	1
83	790100-04	IGNITION SWITCH	1
84	850443	WASHER PLATE IMPELLER	1
85	8041008	SCREWCAP 1/4-20 x 1 1/2	1
86	500267	GRIP HANDLE 1" x 7.5"	1
87			
88			
89	790254	PLATE CLAMP SPLIT	2
90	790253	PLATE CLAMP SPACER	1
91	790252	PLATE CLAMP HALF	4
92	8163002	LOCK NUT 5/16-18 THIN ZP	8
93	8024040	BOLT CARRIAGE 5/16-1" ZP	6

* Denotes standard hardware item that may be purchased locally.


△ BRIGGS & STRATTON PART NUMBERS. AVAILABLE THROUGH BRIGGS & STRATTON SERVICING DEALERS

TROUBLESHOOTING Before Requesting Service Review These Suggestions


Problem	Possible Cause	Solution
Engine will not start. (starter does not turn)	<ul style="list-style-type: none"> - Battery is low or dead. - Battery cable is disconnected or battery terminal is corroded. - Hose coupler is not installed, allowing interlock switch to operate. - Harness wire is bad or disconnected from interlock switch. 	<ul style="list-style-type: none"> - Charge battery or replace if the battery does not hold charge. - Clean battery terminal and cable then reconnect. - Install hose coupler securely to the unit and check whether interlock switch is engaged by lever. - Check harness wire connection and replace if necessary.
Engine will not start. (starter turns)	<ul style="list-style-type: none"> - Throttle stop switch in idle position. - Out of gasoline. Bad or old gasoline. - Spark Plug wire disconnected. - Dirty air cleaner. 	<ul style="list-style-type: none"> - Check throttle. - Check gasoline, Replace if gasoline is old. - Connect spark plug wire. - Clean or replace air cleaner. Or contact a qualified service person.
Will not vacuum or has poor vacuum performance.	Nozzle height too high or too low. Clogged hose or exhaust. Excessive quantity of debris.	Adjust nozzle position. Unclog hose or exhaust (see page 6). Allow air to feed with debris.
Abnormal vibration.	Loose or out of balance impeller or loose engine.	Check impeller and replace if required. Check Engine.
Engine is locked, will not turn over.	Debris locked inside impeller. Engine problem.	See page 6, Clearing a clogged impeller housing. Contact an engine servicing dealer for engine problems.

Engine Service and Warranty
Contact your nearest engine manufacturer's authorized servicing dealer.


Serial Plate *Record your machine model, serial number and date-of-purchase and where purchased*



Operator



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Model	Serial No.
Unit (Weight)	Engine Power
<input type="text"/> lbs. <input type="text"/> kg	<input type="text"/> kW <input type="text"/> rpm

Purchase Date _____ Purchased from _____

WARRANTY PROCEDURE

Please fill in the WARRANTY CARD and send the upper part to Billy Goat. The WARRANTY terms are stated on the lower part which remains with the user. Whenever a Billy Goat Machine is faulty due to a defect in material and / or workmanship, the owner should make a warranty claim as follows:

The Machine should be taken to the dealer from whom it was purchased or to an authorized Billy Goat dealer.


The owner should present the remaining half of the Warranty Registration Card, or, if this is not available, the invoice or receipt.

The Warranty Claim will be filled in by the authorized Billy Goat Dealer, who will send it with the faulty part to Billy Goat headquarters.

The Quality / Service department at Billy Goat headquarters will study the claim and parts and will notify their conclusions.

The decision by the Quality / Service department at Billy Goat headquarters to approve or reject a Warranty claim is final and binding.

Note: To process a Warranty Claim, it is necessary to quote the Model & Serial number who are printed on the Billy Goat Serial Plate.



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