



15 PARTS DRAWING

KD410

Item No.	16 PARTS LIST Description	KD410 Part No.	QTY
1	TURF QUICK DEBRIS BAG (SEE ACCESSORIES FOR OTHER OPTIONS)	890305	1
4	NUT LOCK (1/4 - 20)	*8160001	6
5	SCREW CAP (1/4 - 20 x 1-1/2 HEX)	*8041008	4
6	HANDLE ASS'Y (incl. items 5(5),11(2))	900054	1
7	AXLE HEIGHT ADJUST	890389	1
8	SCREW HANDLE 5/16 - 18 x 1 3/4	*8041031	1
9	SCREW HANDLE 5/16 - 18 x 2 1/2	*8041034	1
11	BAR BAG SUPPORT	900039	2
12	DOOR EXHAUST ASS'Y (incl. item 62)	890148	1
14	BOLT-CARRIAGE 1/4x3/4	*8024021	2
16	WASHER 1/4 FC ZP	*8171002	2
18	BRACKET - HEIGHT ADJUSTMENT	890021	1
20	SPRING	900136	1
21	TIRE - ONLY (PER ASSY)	900507	1
22	PIN - HAIR COTTER	900471	1
23	CABLE HEIGHT ADJUSTMENT	890019	1
24	BOLT - CARRIAGE 5/16 - 18 x 4 1/2	*8024054	4
26	NUT LOCK 5/16 - 18 HEX	*8160002	4
27	HANDLE LOWER KD510	890346	1
28	PLATE HANDLE SUPPORT	900933	1
29	LABEL DANGER CUT FINGER	400424	2
30	WASHER FLAT CUT 5/16	*8171003	2
32	ROPE GUIDE	830533	2
34	WHEEL ASS'Y (incl. items 21)	900509	4
35	WASHER 0.75 "C"	900997	0-1
40	SCREW CAP 1/4 - 20 x 1 - 1/4	*8041007	4
42	SCREW SELF TAPPING 10 - 24 x 1/2	*8123086	1
43	NOZZLE MAINFRAME ASS'Y (incl. one of items 29,44,42)	890391	1
44	PLUG	900146	1
45	SCREWCAP 1/4-20 X 1 3/4	8041009	1
47	IMPELLER ASS'Y (incl. items 49, 50, 51, 59)	900168	1
49	KEY	900162	2
50	WASHER LOCK 3/8 TWISTED TOOTH	400502	1
51	SCREW CAP 3/8 -24 x 1 (HARDENED)(TORQ.50 FT-LBS)(68N.m)	900154	1
52	HOUSING ASS'Y (incl. items 12, 14, 15, 16, 86)	890371	1
53	ENGINE BRIGGS AND STRATTON 4 HP QUATTRO	890565	1
56	SCREW CAP 3/8 - 1-1/2 TAPTITE	890408	3
58	WASHER FLAT 1/2 SAE	*8172011	4
60	HT ADJUST ASSY	890013	1
61	1/2-13 CAP NUT NP W/PATCH	890530	4
62	LABEL DANGER FLYING MATERIAL	810736	1
63	LABEL DO NOT FILL WHEN ENGINE IS HOT	400268	1
68	PLATE TOP ASS'Y (incl. items 14, 15, 29, 48, 69, 70, 71, 72)	890402	1
71	SCREW CAP 1/4 - 20 x 1/2 HWH	890359	15
74	NUT LOCK 5/16 - 18 THIN HT.	*8161041	2
76	PLATE UPPER HEIGHT ADJUST	890005	1
83	CONNECTOR BAG QUICK	890176	1

* Denotes standard hardware item that may be purchased locally.

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MAINTENANCE



Use only a qualified mechanic for any adjustments, disassembly or any kind of repair .



WARNING: TO AVOID PERSONAL INJURY, ALWAYS TURN MACHINE OFF, MAKE SURE ALL MOVING PARTS COME TO A COMPLETE STOP.



DISCONNECT SPARK PLUG WIRE BEFORE SERVICING UNIT.



ENGINE: See engine manufacturer operator's instructions.

DEBRIS BAG: See page 5.



RECONNECT SPARK PLUG WIRE, GUARDS, BAG, CAPS AND / OR HOSE BEFORE STARTING ENGINE.

17.1 IMPELLER REMOVAL

1. Wait for engine to cool and disconnect spark plug.
2. Drain fuel and oil from the engine.
3. Remove bag, quick release, and upper handle.
4. Remove housing top plate by removing bolts around outside of housing.
5. Leaving engine fastened to top plate, remove impeller bolt and lock washer and slide impeller off crankshaft (A puller may be required).
6. If impeller slides off freely, proceed to step 9. **(Do not drop impeller).**
7. If impeller does not slide off crankshaft, place two crowbars between impeller and housing on opposite sides. Pry impeller away from engine until it loosens. *Using a penetrating oil can help loosen a stuck impeller.*
8. If the impeller cannot be loosened, obtain a 1" (25.4mm) longer bolt of the same diameter and thread type as the impeller bolt. Invert engine and impeller and support engine above ground to prevent recoil damage. Thread longer bolt by hand into the crankshaft until bolt bottoms. Using a suitable gear or wheel puller against the bolt head and the impeller back-plate (near the blades), remove impeller from shaft.