TORO®

OWNER'S OPERATING AND PARTS MANUAL



21" WHIRLWIND HEVI-DUTY

MODEL NO. 23002

BOOK NO. 8095

Price 25 cents

1962

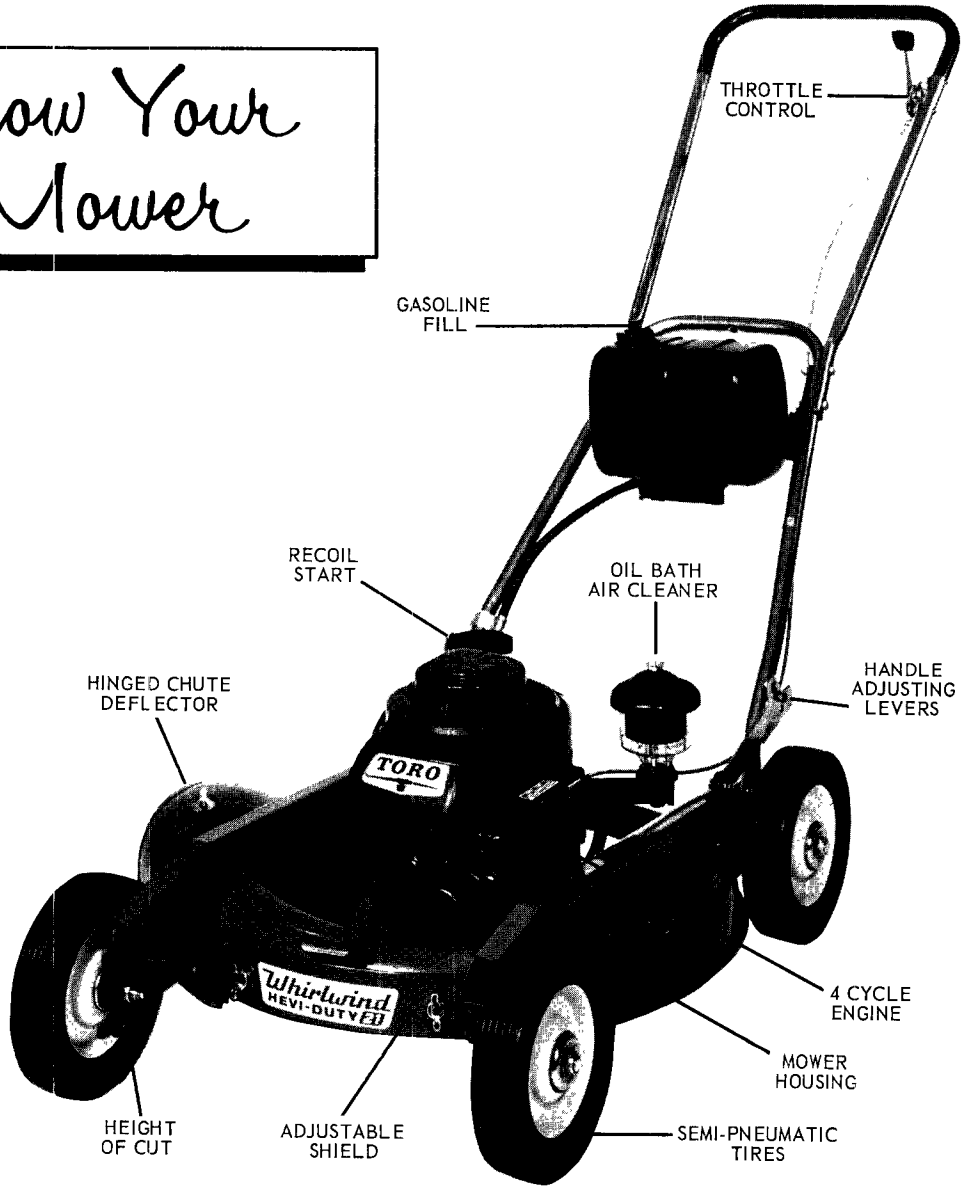
To the Toro Owner...

This Owner Manual has been especially prepared for your information and guidance in the operation and care of your new Toro mower. Information on care and operation of the engine is contained in a separate manual furnished with the engine.

Properly adjusted, operated and maintained, this Toro mower will respond quickly and easily to every reasonable demand and give years of reliable service.

Toro mowers are manufactured by an organization of mowing machinery specialists with over forty years experience. Each machine is carefully inspected and tested before leaving the factory. For best performance from your Toro mower, study this manual for regular maintenance procedures.

Know Your Mower



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TORO MANUFACTURING CORPORATION
MINNEAPOLIS 6, MINNESOTA - U.S.A.

SPECIFICATIONS

ENGINE: $3\frac{1}{2}$ H. P., 4-cycle engine with oil pump, oil bath air cleaner, recoil starter and 5 quart gas tank.

CUTTER BAR: 21" hardened high carbon steel, positive attachment with one fastener.

WIDTH OF CUT: 21"

HEIGHT OF CUT: 1" to $4\frac{1}{8}$" by moving wheels.

HOUSING: No. 12 gauge stamped steel, spiral grass chamber, right hand discharge, hinged chute deflector.

FRAME: Integral with housing; No. 16 gauge steel.

WHEELS: Ball bearing steel disc wheels with 8" diameter x 1.75 semi-pneumatic tires. Zerk fittings for lubrication.

HANDLE: Welded steel tube in separable halves, plastic handle grip, 3 position handle height adjustment.

THROTTLE CONTROL: Control wire and casing, operating lever on upper handle.

DIMENSIONS: Width - $23\frac{1}{4}$"
Length - $31\frac{3}{4}$"
Height - $14\frac{1}{2}$" (less handle - wheels at 1" height of cut)

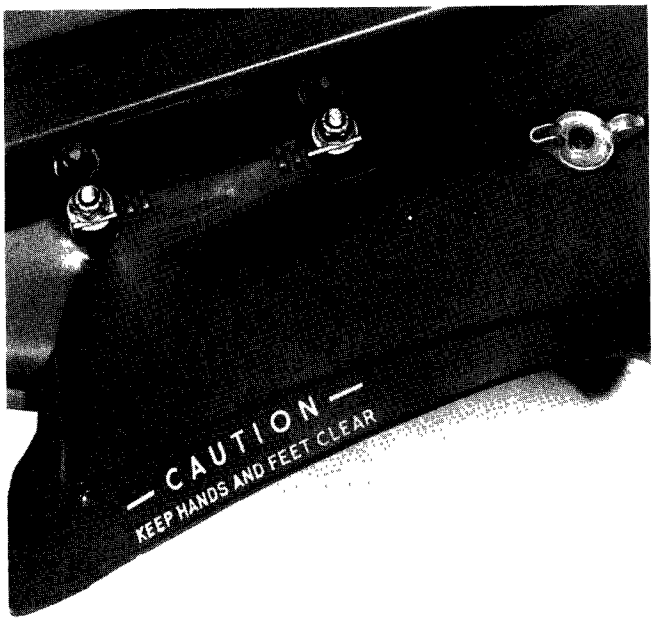
WEIGHT: 77 lbs.

OPTIONAL EQUIPMENT: Bagging attachment.

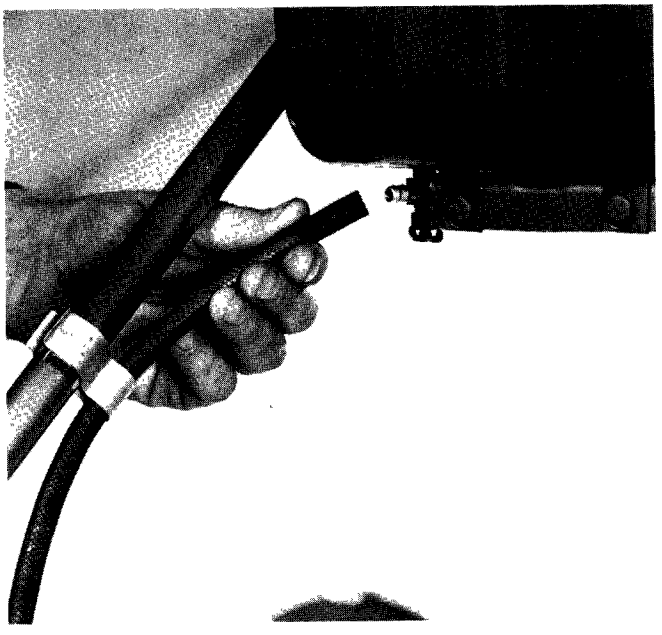
SETTING-UP INSTRUCTIONS

Your new TORO Whirlwind mower is shipped with the mower unit completely assembled, and with the mower handle knocked down for attachment to the mower when unpacked. Gasoline tank is in separate carton and must be installed as shown in Step 1, Page 4. A separate bag contains fittings for attaching the mower handle, gas tank, and control cable. All items should be removed from the shipping case and accounted for before you discard the packing.

1. Remove all mower components from the packing carton.
2. Attach the mower handle, gas tank, deflector and throttle control by these instructions.
3. Attach grass deflector (see photo below).
4. Check to see that all fittings, screws and cutter bar are tight. Disconnect spark plug if you push or pull the cutter bar by hand.
5. Add oil to crankcase (see instructions).
6. Fill fuel tank with gasoline and check fittings for leakage.

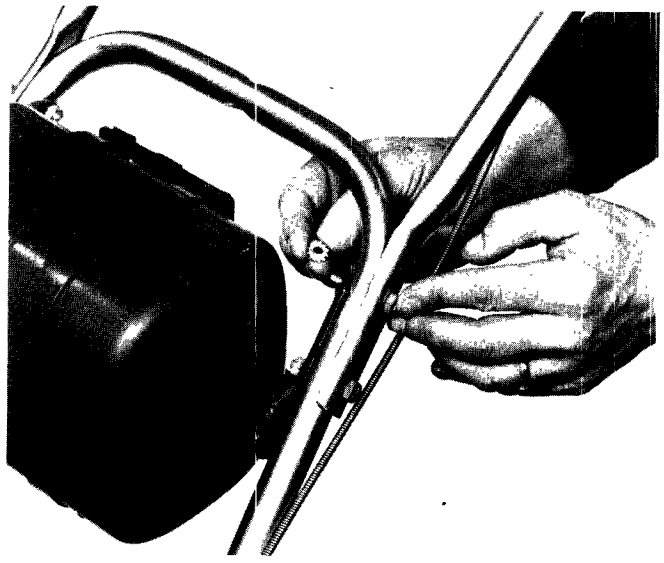


Deflector also is loose in carton. Install as illustrated in above photograph. Fasteners are contained in loose parts bag.



Place fuel line and clip in position as shown, and attach to fuel control valve beneath tank.

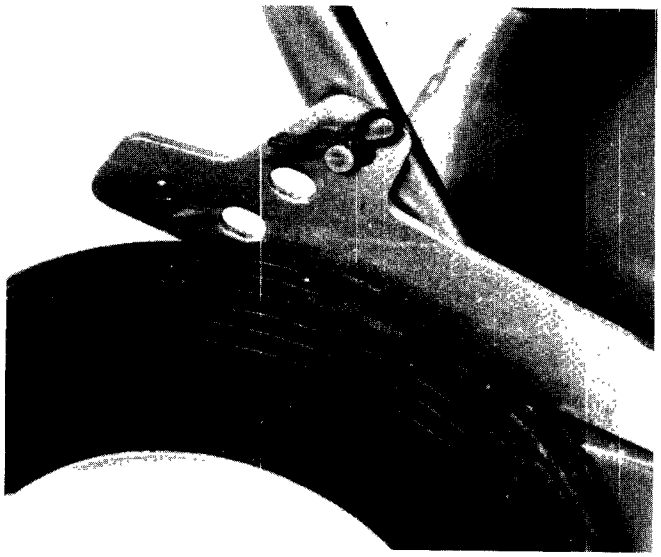
ATTACHING THE MOWER HANDLES



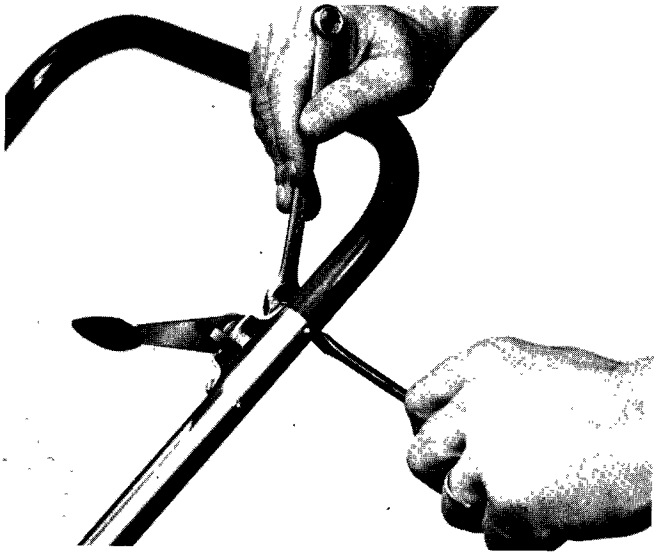
STEP 1. GAS TANK AND HANDLE ASSEMBLY
This handle is shipped in two sections, with attaching screws contained separately in the parts bag. Place gas tank in position, then securely fasten both handle halves and gas tank bracket as shown above.



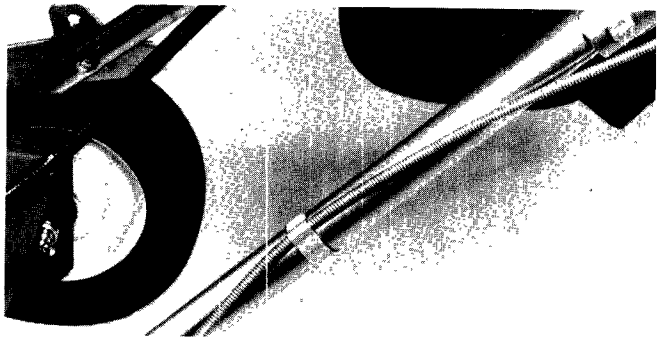
STEP 2. INSTALL HANDLE TO HOUSING
After handle sections have been joined together, place handle in position. Insert shoulder screw "A" through handle and frame as shown in illustration and secure with a locknut.



STEP 3. HANDLE HEIGHT LEVER
The handle adjusting levers are installed in place in the mower housing at the factory. Select one of the three slotted holes for the most convenient handle height. Secure with hairpin cotter pin.

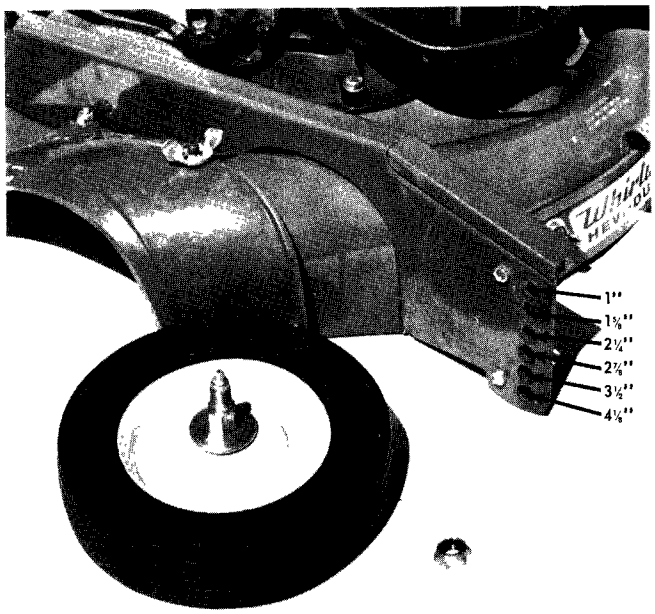


STEP 4. ATTACHING CONTROL LEVER
Screw control to upper left handle. The remote control cable and lever assembly are fastened at the power head end on delivery. Cable is properly adjusted at the factory. Fasten the control to the left handle through hole provided with screws and locknuts. Run cable under the handle cross bar.

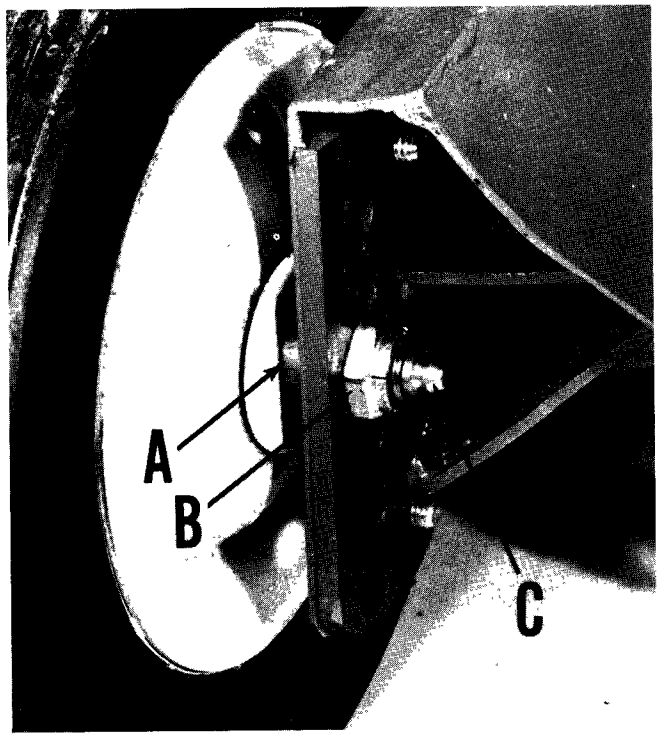


STEP 5. ATTACHING CONTROL CLIP
Clip control cable to handle as shown (see arrow). Be sure that there are no kinks in the cable on delivery and that the upper end of control cable and cable cover are firmly attached to the control lever assembly at the top end of the cable. The lever should move back and forth freely when properly installed.

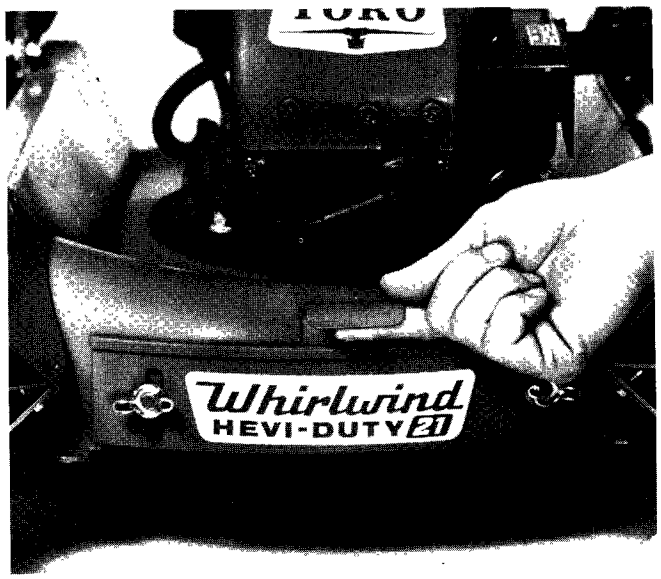
ADJUSTING HEIGHT-OF-CUT



Graph in photo above indicates cutting heights available. To adjust, remove wheels by placing wrench on hex portion of spindle at point "A", in photo below, and removing nut "B". For normal cutting, be sure all four wheels are in the same relative hole position.



For rough cutting, rear wheels can be set higher for maximum engine power. It is also advisable to move front shield up. This is done by loosening the two wing nuts in slotted holes and lifting shield to desired position (see photo upper right). Then retighten wing nuts securely. BE SURE TO SHUT OFF ENGINE WHEN DOING THIS OPERATION.



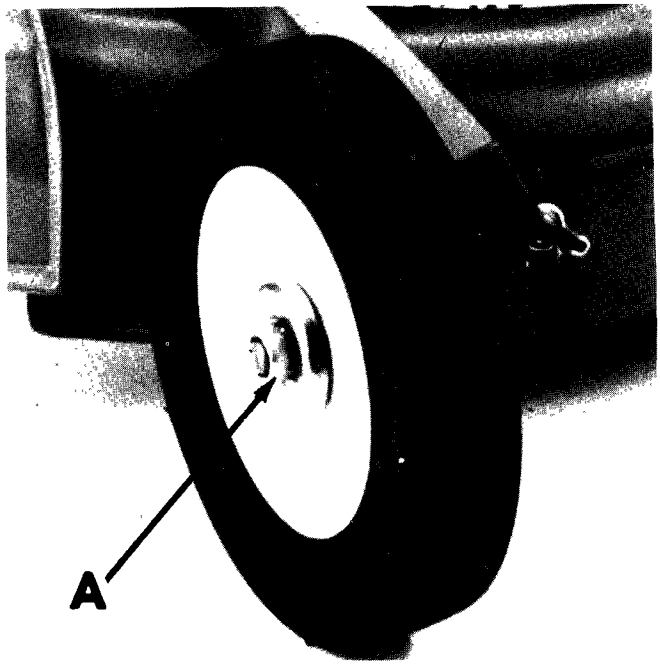
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OILING WHEELS

Two or three shots of a good grade of gun grease into zerk fittings "C"(photo lower left) on all four wheels will insure easier pushing of your Toro rotary. Do this at frequent intervals.

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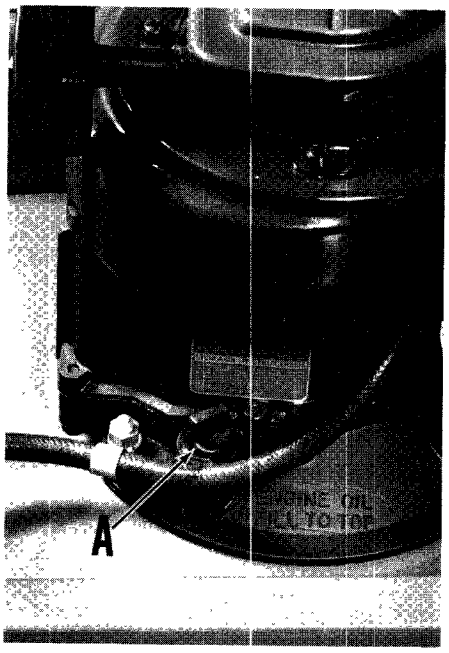
WHEEL BEARING ADJUSTMENTS

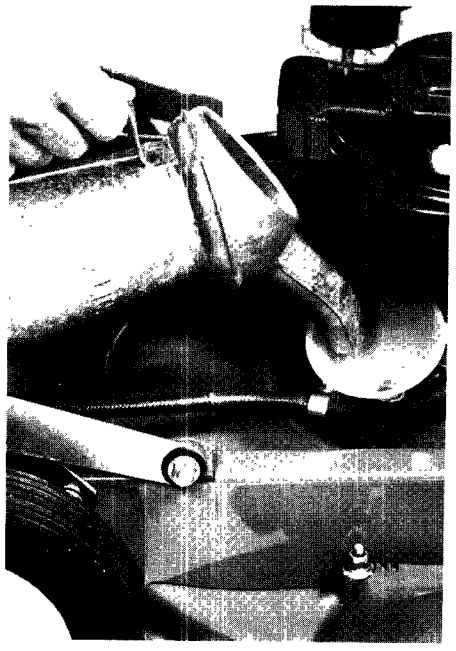


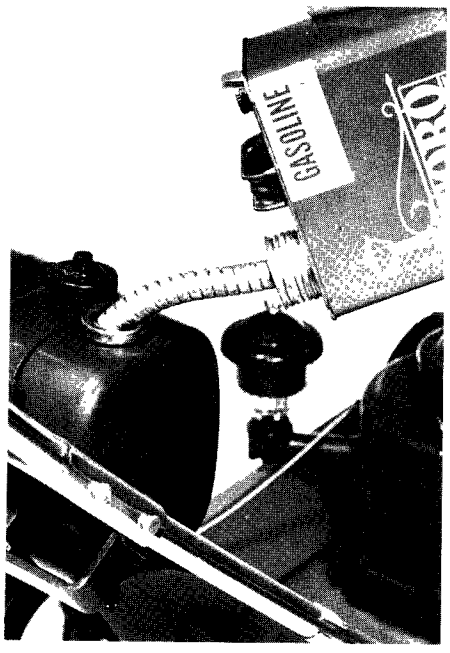
If wheels become wobbly after lengthy service, bearings can be adjusted by tightening nut "A" (in photo above).

PREPARATION OF ENGINE BEFORE STARTING

OIL AND GASOLINE have been completely removed and drained from the engine, and it is essential that the preparation instructions in this manual be followed before starting.

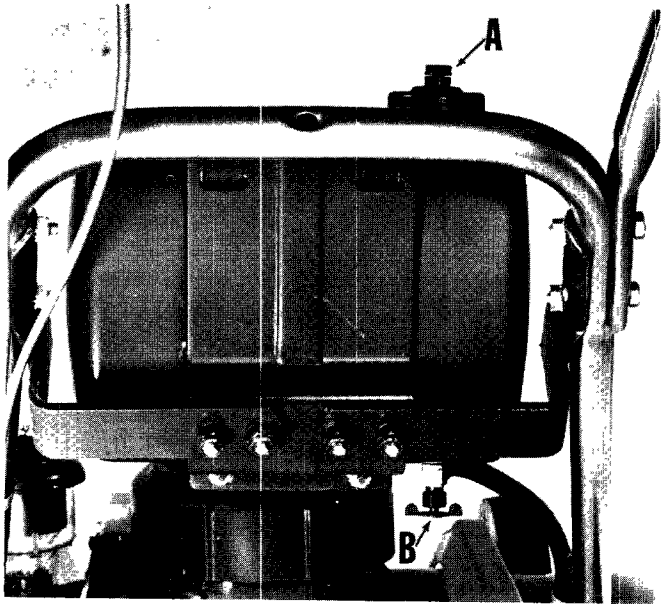






FILL THE OIL SUMP WITH OIL - First remove filler plug "A". Place the engine level; be sure wheels are in the same position. Pour oil slowly to prevent air being trapped in oil sump. Observe filler neck for a few seconds before replacing oil filler plug. If oil does not remain at top of neck, add oil until it does. Fill to overflowing (capacity $1\frac{1}{4}$ pints) with a good grade of S. A. E. 30 lubricating oil. Replace the filler plug.

FILL THE TANK with a good grade of regular gasoline. NEVER use gasoline that has been standing in a can for any length of time. SEE THAT VENT HOLE IN CAP IS OPEN. CAUTION: Do NOT fill fuel tank to overflow. Do NOT mix oil with gasoline. OBSERVE SAFETY PRECAUTIONS. ALWAYS DISCONNECT SPARK PLUG LEAD WHEN WORKING ON THE ENGINE OR MOWER CUTTER BAR.



After filling the crankcase with oil and the fuel tank with a good grade of fresh gasoline, remember to turn fuel valve "B" to the ON position and open air vent "A" on top of gas cap. Turn in a counter-clockwise direction to open, clockwise to close. It is advisable after each mowing to turn the valve to the OFF position and close air vent during storage.

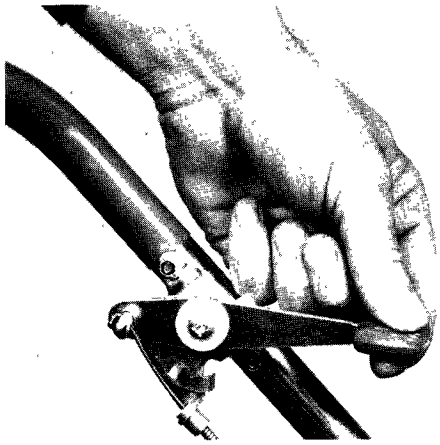


To disconnect spark plug lead wire, pull off as shown.

ALWAYS DISCONNECT SPARK PLUG LEAD WIRE WHEN WORKING ON ENGINE OR CUTTER BAR !

STARTING INSTRUCTIONS

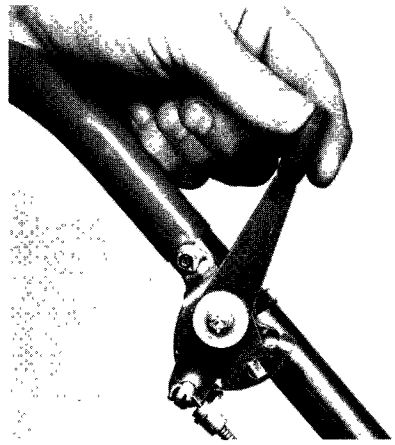
After filling with gasoline and oil, your mower is ready for operation. The engine is controlled by the control lever on the mower handle. The manual choke is located on the engine carburetor panel. Operating positions of this lever are shown below.



1. STARTING POSITION (Full Forward)



2. RUNNING POSITION (Lever Centered)



3. TO STOP ENGINE (Lever Full Back)

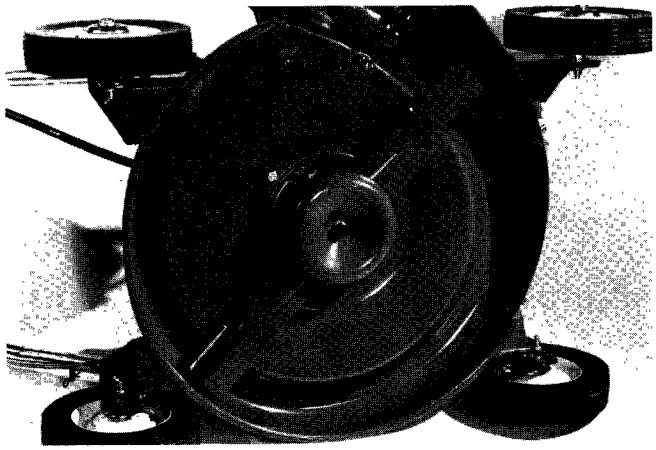
RECOIL START

First, move the handle control lever forward to the starting position as shown in illustration No. 1. HOLD THE MOWER FIRMLY IN POSITION. Then pull starter rope slowly until the starter clutch engages, then pull until the resistance of compression is felt. Continue to pull slowly for about two or three inches until compression ceases.

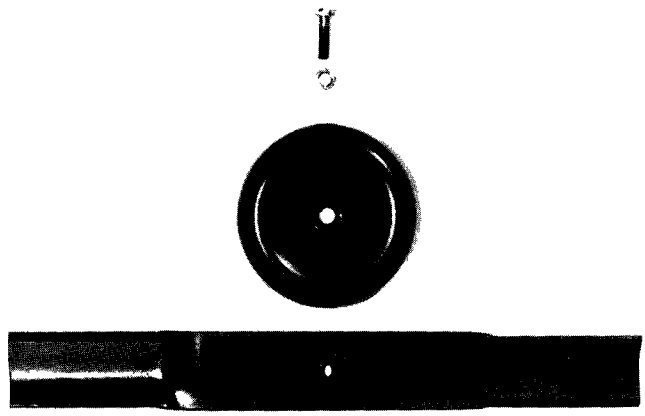
Allow starter rope to recoil and again pull out slowly until starter clutch engages. Then pull with a quick full arm stroke to start engine. Hold starter grip and allow rope to recoil. Repeat if necessary with choke opened slightly. When engine starts, open choke gradually.



CARE OF MOWER HOUSING AND CUTTER BAR

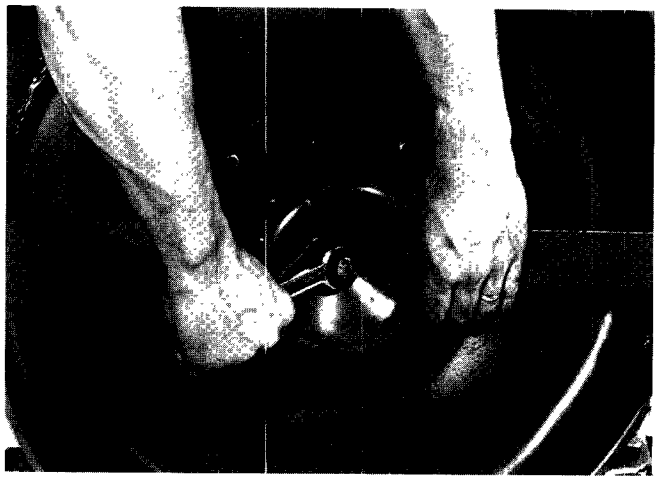


Be sure to keep under side of your mower housing and cutter bar assembly clean and free from masses and accumulations of old grass clippings. DISCONNECT SPARK PLUG LEAD WIRE as a safety precaution, before tilting mower on side as shown, or working on the cutter bar assembly. It is IMPORTANT to

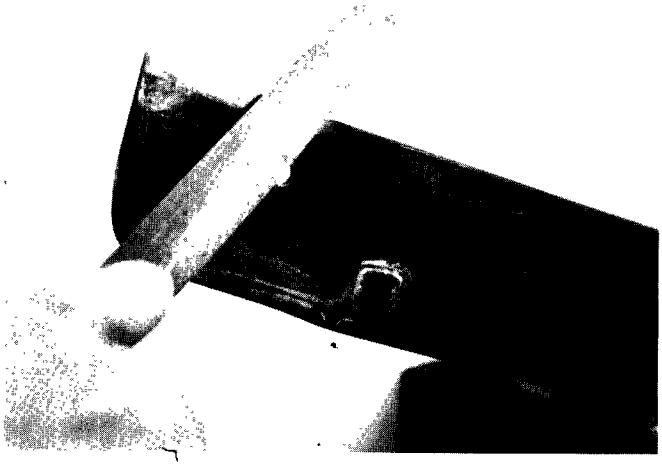


use only genuine TORO replacement cutter bars on this machine. Others may be dangerous. The cutter bar and anti-scalp dish assembly are shown in the photo at right above. They should always be reassembled as illustrated, cutter bar, lockwasher and cutter bar screw. Be sure cutter bar screw is drawn up securely.

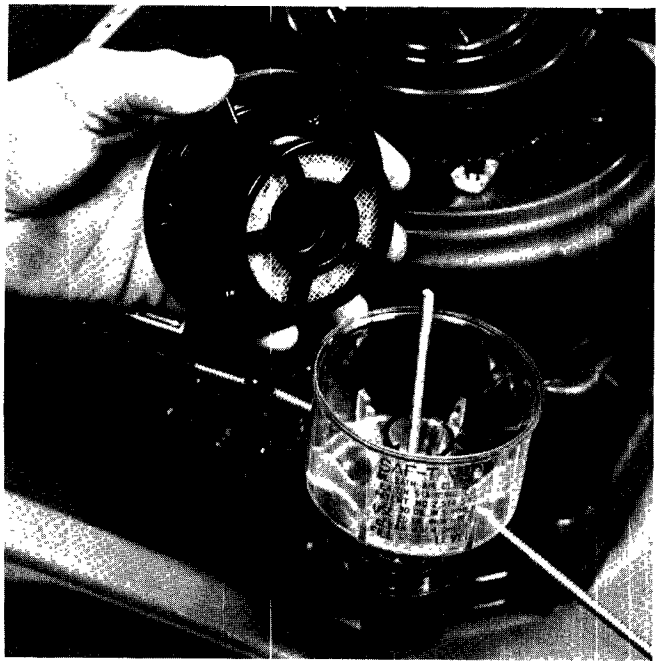
SHARPENING THE CUTTER BAR



1. To remove the cutter bar, disconnect spark plug lead wire, grasp bar as shown, and turn blade nut sharply counterclockwise. Remove anti-scalp dish, lockwasher and bar.



2. Sharpen the cutting ends of the bar with a 10 inch mill-bastard file to as close to the original bevel as possible. Keep blade ends razor sharp. Be sure blade is in proper balance. Remove same amount from each end of bar.



CLEANING THE ENGINE AIR CLEANER

Your engine is equipped with an oil bath air cleaner. Add oil before starting engine. (See instructions on air cleaner bowl.)

Remove wing nut, and air cleaner cover and element. BE CAREFUL not to pour oil into center hole of air cleaner. Do not fill above "FILL LEVEL" mark. Replace cover, element and wing nut.

CLEAN cover and element, and bowl periodically. Refill bowl with fresh oil.

In extremely dusty conditions we recommend placing the cloth bag (received with the machine) over the air cleaner. This will act as a pre-cleaner and insure smoother engine operation.

CHECKING SPARK PLUG GAP

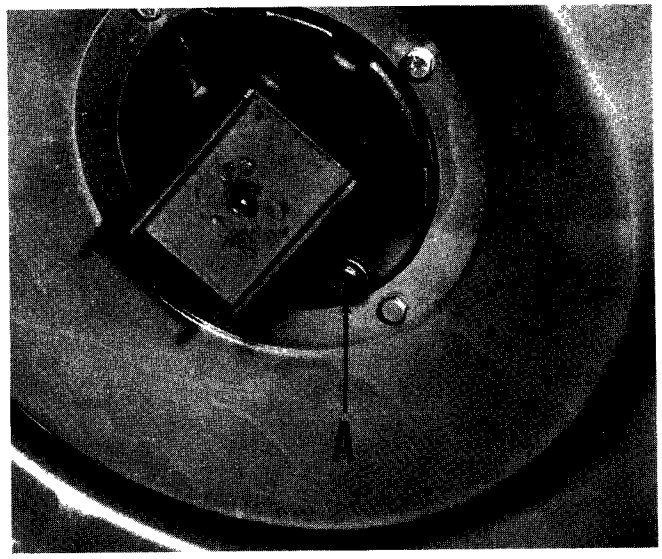
This engine is equipped with a 14 mm spark plug (Use Champion J-8 or equivalent for replacement). Keep a fresh plug on hand. Clean and reset the gap at .030 inches every 100 hours of operation. Use some graphite grease on threads when replacing spark plug.



DRAINING AND REFILLING THE OIL SUMP

To avoid spilling gasoline on your lawn or driveway, plan to change the oil when the gas tank and carburetor are empty. Remove cutter bar and anti-scalp dish. To facilitate drainage of oil sump, loosen filler plug "A" at front of engine, tip mower on side and remove drain plug as shown in illustration at right. Place mower in normal position over shallow pan and let it drain.

Change oil after first two hours of operation WHILE ENGINE IS WARM. Add oil regularly after each FIVE HOURS of operation. Thereafter, change oil every 10 hours of operation WHILE ENGINE IS WARM. Be sure to replace drain plug and oil filler cap.



OFF-SEASON STORAGE INSTRUCTIONS

Mowers stored for any length of time should be completely drained of fuel to prevent gum deposits forming on essential parts such as the carburetor, fuel lines and tank. Such deposits may affect the operation of the engine when used again. Therefore, it is important that the following instructions be adhered to before storing the engine.

1. Drain the fuel tank completely.
2. Operate the engine until it stops from exhaustion of fuel to clean all gasoline out of the carburetor.
3. While the engine is still warm, drain and clean the crankcase drain. Refill with fresh oil.
4. Replace the drain and fill plugs.
5. Remove spark plug, pour one ounce of S. A. E. #20 oil into the cylinder. Crank the starter one full turn, push down to start position on handle control to spread the oil. Replace the spark plug.
6. Clean dirt and chaff from cylinder and cylinder head fins, blower housing, etc.

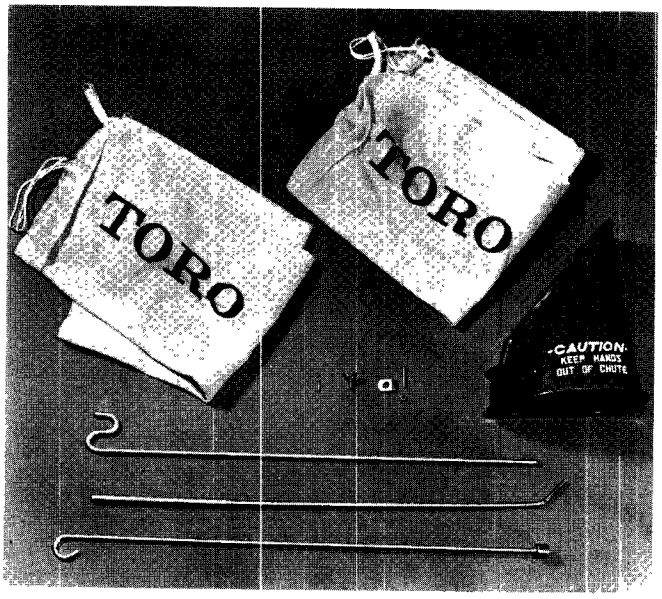
COVER AND STORE YOUR MOWER IN A DRY, WARM LOCATION

IMPORTANT ORDERING INSTRUCTIONS

Repair parts are available from your TORO distributor or service dealer. To insure getting correct parts without delay, please furnish the following information:

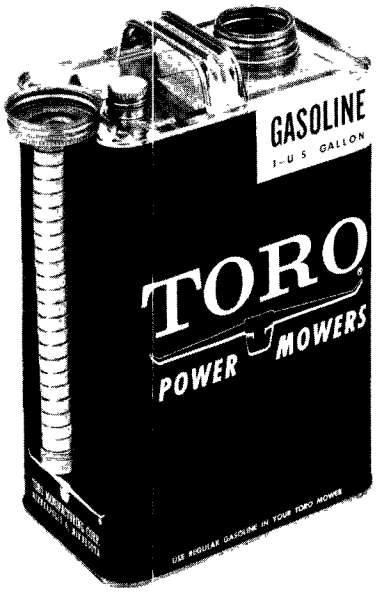
1. Serial number of your mower as shown on the name plate.
2. Part number, description and quantity of each part required.
3. State whether parts should be shipped by mail or express. All repair parts are shipped F. O. B. factory.
4. Name and address where parts are to be shipped.
5. Do not order by reference number; use part number only.

TORO ACCESSORIES



LAWN VAC ATTACHMENT KIT

Bag your leaves--end tedious raking forever. Toro's optional Lawn Vac Attachment Kit contains 2 super size bags, bagging chute, and the necessary rods and fasteners for easy installation. Order kit by model #81058.



GAS CAN

Fill'er up with a Toro gas can. One gallon capacity with a flexible spout for convenient filling. Available at your Toro Dealer.



EXTRA GIANT BAGS

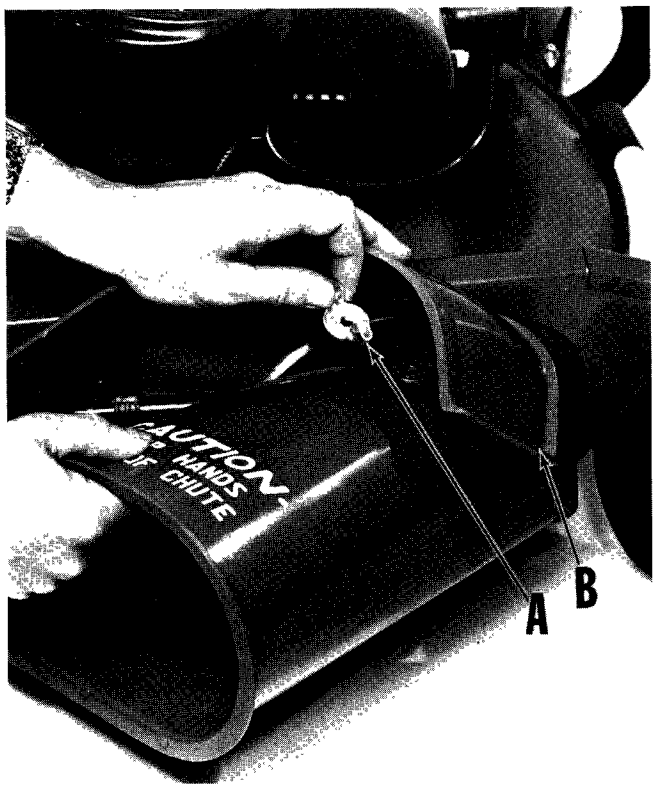
Additional leaf bags can be purchased at nominal cost. The super size bags have three times the capacity of the regular grass clipping bag that is standard equipment. The large bags are recommended for leaves or dry litter only. Do not use for grass clippings.



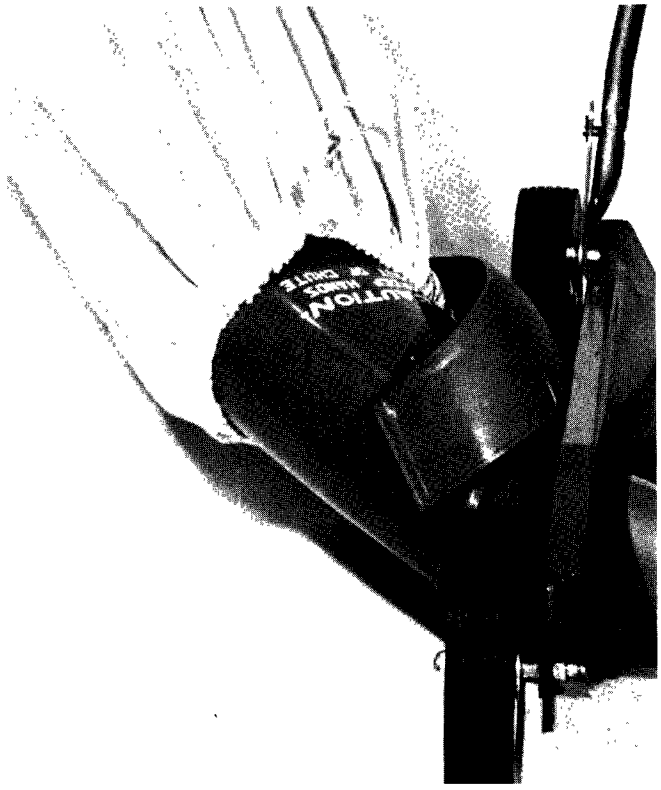
ENGINE OIL

Toro power mower engine oil is bottled exclusively for the Toro owner. Provides the exact amount of oil (20 oz.) for one change, or can be used for adding between oil changes. No funnel needed. Extra long spout for easy filling. Keep several on hand.

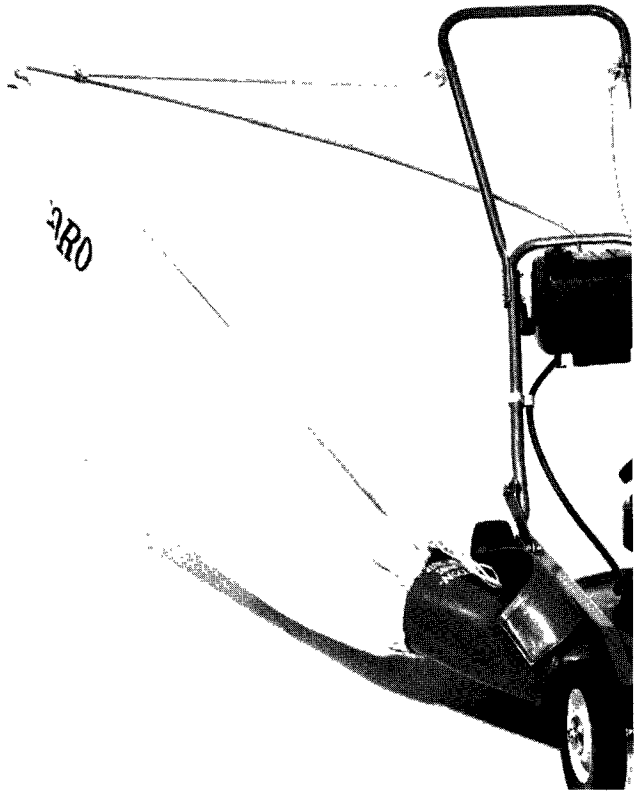
INSTALLATION OF LAWN VAC KIT
(Optional Equipment)



Remove wing nut "A" and lift hinged deflector "B". Then place discharge chute in position as shown in above illustration. Replace wing nut "A" securely on stud under the hinged deflector.



Install the cloth bag and fastener as shown above. Bag should be secured on the bagging chute lip.



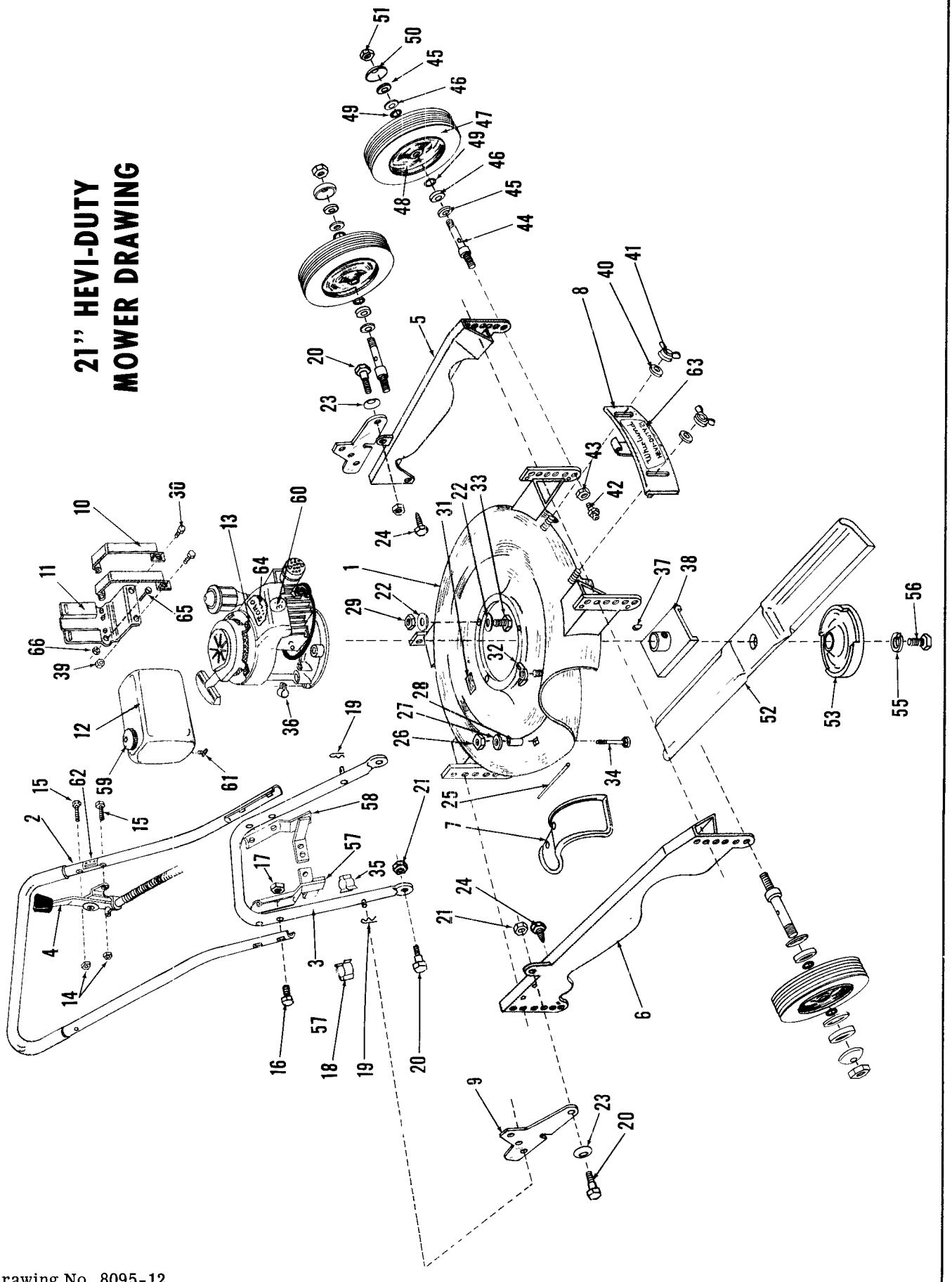
The 21" Whirlwind Hevi-Duty mower with the bagging attachment properly installed is illustrated above.

BAGGING TIPS

When using the bagging attachment on your new Toro Whirlwind, the following tips are suggested to give you the most effective results:

1. INSTALL THE BAGGING ATTACHMENT BEFORE STARTING THE ENGINE.
2. Walk leisurely behind your Toro mower; do not run.
3. Wet grass cutting is not advisable; wait until the grass is dry.
4. In tall grass, cut at the highest height-of-cut setting and recut lawn a second time.
5. Empty the bag often for more effective results.
6. Do not launder bags. Washing dissolves the sizing and may cause deterioration of fabric.
7. Do not use your bag for rough cutting.
8. When backing your mower into tight areas, lift up on the bag so the rear wheel will not run over the bag and pull it under the housing.
9. DO NOT PUT YOUR HANDS OR FEET UNDER THE MOWER HOUSING OR INTO DISCHARGE CHUTE WHILE THE ENGINE IS RUNNING. TO STOP THE CUTTING BLADE, SHUT OFF THE ENGINE.
10. Maximum engine speed is desirable for efficient bag filling.

21" HEVI-DUTY MOWER DRAWING



Drawing No. 8095-12

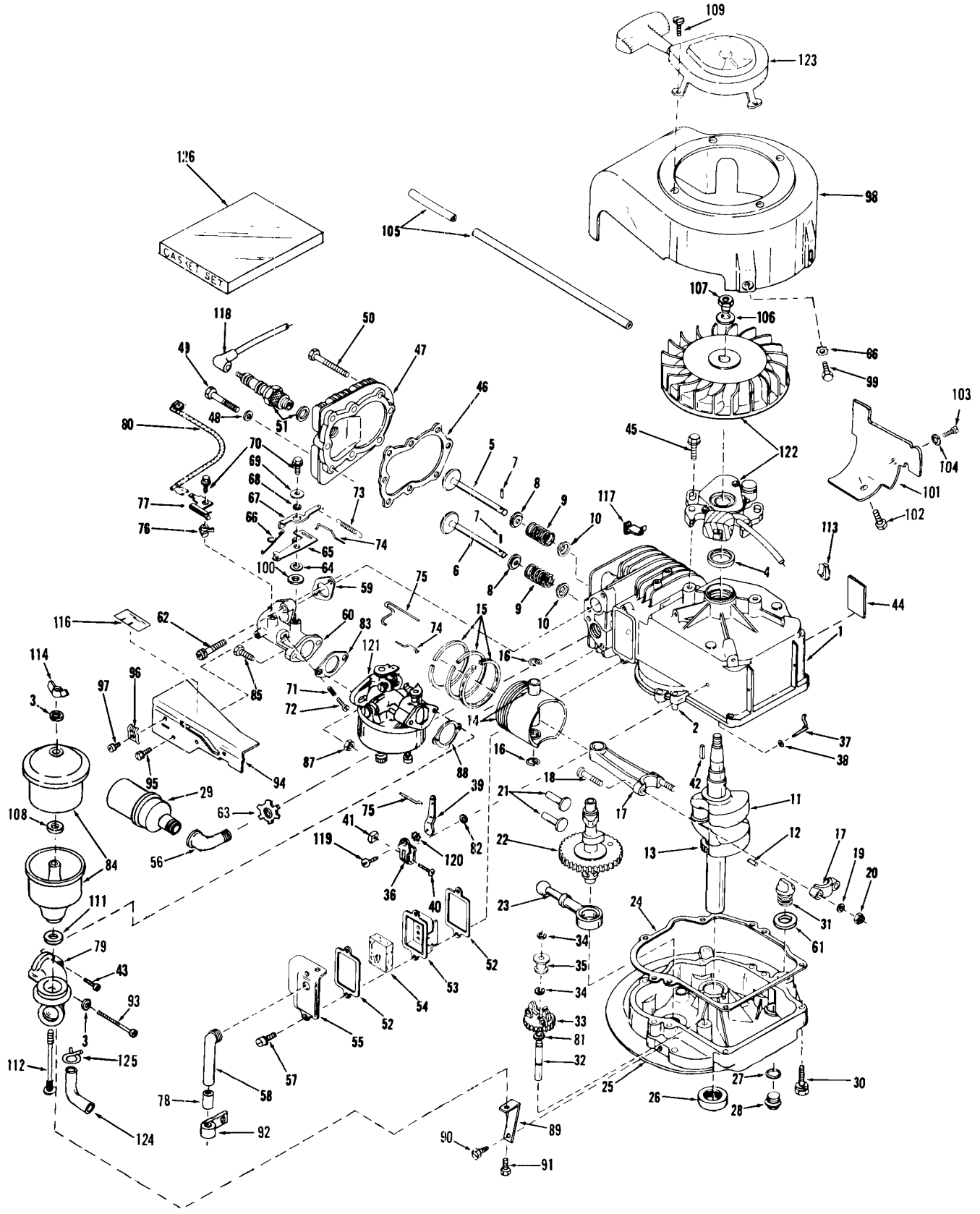
21" WHIRLWIND HEVI-DUTY MOWER PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	3-6910	Main Frame	1
2	3-4778	Upper Handle	1
3	3-6850	Lower Handle	1
4	3-5136	Throttle Control Assy.	1
5	3-6920	Frame Member, Left	1
6	3-6930	Frame Member, Right	1
7	3-2574	Deflector	1
8	3-6270	Front Shield	1
9	3-2656	Handle Latch	2
10	3-4341	Strap, Fuel Tank	2
11	3-5001	Tank Bracket	1
12	222-14	Tank, Fuel	1
13	221-215	Engine	1
14	3296-2	Nut	2
15	3251-13	Screw	2
16	321-8	Screw	4
17	3290-158	Nut	4
18	WA-85	Clip, Control Cable	1
19	3290-755	Hairpin Cotter	2
20	3-1846	Shoulder Screw	4
21	3296-29	Locknut	4
22	3256-23	Washer	6
23	3290-211	Spring Washer	2
24	32104-17	Screw	12
25	3-2644	Hinge Pin	1
26	3296-16	Locknut	2
27	3256-22	Washer	2
28	3-4418	Spacer	2
29	3296-29	Locknut	3
30	321-7	Screw	2
31	3-4975	Serial No. Plate	1
32	3-4808	Wing Nut	1
33	322-7	Screw	3
34	3229-4	Bolt	2

Ref. No.	Part No.	Description	No. Used
35	3-5181	Clamp, Fuel Line	1
36	3-5182	Clamp	1
37	3257-3	Key	1
38	3-7460	Blade Hub	1
39	3296-16	Nut	2
40	3256-23	Washer	2
41	32103-2	Wing Nut	2
42	302-16	Grease Fitting, Front Wheel	2
*	302-38	Grease Fitting, Rear Wh. 45°	2
43	3296-28	Nut	4
44	3-4903	Spindle	4
45	3-4416	Slinger	8
46	3-4417	Washer, Felt	8
47	234-18	Tire	4
48	3-7070	Wheel	4
*	251-171	Bearing, Wheel	4
49	237-30	"O" Ring	8
50	3-3496	Hub Cap	4
51	3296-28	Nut	4
52	3-5215	Blade	1
53	3-2116	Anti Scalp Dish	1
55	3253-6	Lockwasher	1
56	3-2713	Bolt, Cutter Bar	1
57	3-7430	Bracket, Fuel Tank, Right	1
58	3-7420	Bracket, Fuel Tank, Left	1
59	222-15	Cap, Gas Tank	1
60	3-5134	Decal	1
61	304-71	Valve, Shut Off	1
62	3-2067	Decal, Throttle Control	1
63	3-4813	Decal, Front Panel	1
64	3-5135	Decal, Engine	1
*	3-4413	Decal, Warning	1
65	322-2	Screw	4
66	3296-29	Stop Nut	4

* Not Illustrated

ENGINE No. LAVT35C-3410



Drawing No. 8095-14

ENGINE No. LAVT35C-3410 PARTS LIST

Ref. No.	Part No.	Description	No. Used
1	30613	Cylinder Assy. (Incl. Nos. 2 & 4)	1
2	26727	Pin, Dowel	2
3	27183	Washer, Fibre	2
4	*29183	Seal, Oil	1
5	29314	Valve, Intake (Standard)	1
5	29316	Valve, Intake (1/32"oversize)	1
6	29313	Valve, Exhaust (Standard)	1
6	29315	Valve, Exhaust(1/32"oversize)	1
7	20794	Pin, Valve Spring Retaining	2
8	26957	Cap, Upper Valve Spring	2
9	24772	Spring, Valve	2
10	21043	Cap, Lower Valve Spring	2
11	30961	Crankshaft Assy. (Incl. Nos. 12 & 13)	1
12	29783	Pin, Crankshaft Gear	1
13	27613	Gear, Crankshaft	1
14	28983	Piston & Pin Assy. (Std.) (Incl. 2 of No. 16)	1
14	28984	Piston & Pin Assy. (.010 oversize) (Incl. 2 of No. 16)	1
14	28985	Piston & Pin Assy. (.020 oversize) (Incl. 2 of No. 16)	1
15	28986	Ring Set, Piston (Standard)	1
15	28987	Ring Set, Piston (.010 oversize)	1
15	28988	Ring Set, Piston (.020 oversize)	1
16	20381	Ring, Piston Pin Retaining	2
17	30963	Rod Assy., Connecting (Incl. Nos. 18, 19 & 20)	1
18	26706	Bolt, Connecting Rod	2
19	20747	Washer, Connecting Rod	2
20	27573	Nut, Lock	2
21	27241	Lifter, Valve	2
22	29614	Camshaft	1
23	29914	Pump Assy., Oil	1
24	*26750	Gasket, Mounting Flange	1
25	30784	Flange Assy., Mounting (Incl. Nos. 26,27,28, & 32)	1
26	*26208	Seal, Oil	1
27	*28833	Gasket, Drain Plug	1
28	27244	Plug, Oil Drain	1
29	30911	Muffler	1
30	650488	Screw	6
31	27625	Plug, Oil Filler	1
32	30574	Shaft, Mechanical Governor	1
33	30591	Gear Assy., Governor	1
34	29193	Ring, Retaining	2
35	30588	Spool, Governor	1
36	29916	Clamp, Governor Lever	1
37	30589	Rod, Governor (Incl. Nos. 38 & 82)	1
38	28277	Washer, Flat	1
39	29917	Lever, Governor	1
40	29826	Screw	1
41	29216	Nut	1
42	27247	Key, Flywheel	
43	28597	Screw	1
44	30586	Decal, Name & Instruction	1
45	650489	Screw	2
46	*29953	Gasket, Cylinder Head	1
47	30579	Head, Cylinder	1
48	26073	Washer	5
49	6021	Screw	5
50	6023	Screw	3
51	21943	Plug, Spark (Champion J-8 or equiv.)	1
52	*27234	Gasket, Valve Spring Cover	2
53	27810	Body Assy., Breather	1
54	27233	Element, Filter	1
55	27626	Cover, Valve Spring	1
56	28885	Elbow, Exhaust	1
57	650128	Screw	2
58	27627	Tube, Breather	1
59	*30188	Gasket, Intake	1
60	29187	Pipe, Intake	1
61	*29673	Gasket, Oil Filler	1
62	650176	Screw	2
63	27675	Nut, Conduit	1
64	28558	Washer, Spring Wave	1
65	29188	Lever, Control	1
66	29484	Spring, Control Lever	1
67	30039	Lever, R. P. M. Adjusting	1
68	28562	Bushing, R. P. M. Adj. Lever	1
69	28563	Washer, Flat	1
70	28762	Screw, Slotted	2
71	28569	Spring, Compression	1
72	6674	Screw	1
73	30581	Spring, Extension	1
74	30218	Link, Choke	1
75	30580	Link, Throttle	1
76	29209	Washer, Insulating	1
77	29210	Terminal	1
78	29514	Tube, Connector	1
79	30769	Elbow, Air Cleaner	1
80	30582	Wire, Ground	1
81	30590	Washer, Flat	1
82	30587	Ring, Retaining	1
83	*26756	Gasket, Carburetor	1
84	27166	Cleaner Assy., Oil Bath (Incl. No. 108)	1
85	6201	Screw	2
86	27070	Lockwasher	2
87	29752	Nut, Hex Jam	2
88	*27272	Gasket, Cleaner Bracket	1
89	30418	Bracket, Elbow	1
90	29511	Screw, Washer Hd.	1
91	30688	Screw, Hex Hd. Cap	1
92	30111	Clip, Breather Tube	1
93	650520	Screw	1
94	30411	Cover, Speed Control	1
95	28763	Screw	2
96	27793	Clip, Conduit	1
97	28942	Screw	1
98	29251	Housing, Blower	1
99	650240	Screw	2
100	27830	Washer, Flat	1
101	29516	Extension, Blower Housing	1
102	650128	Screw	1
103	28484	Screw	1
104	8303	Lockwasher	1
105	30962	Line, Fuel	1
106	650490	Washer	1
107	650491	Nut, Flywheel	1
108	26652	"O" Ring	1

* Included in Gasket Set, Ref. No. 126

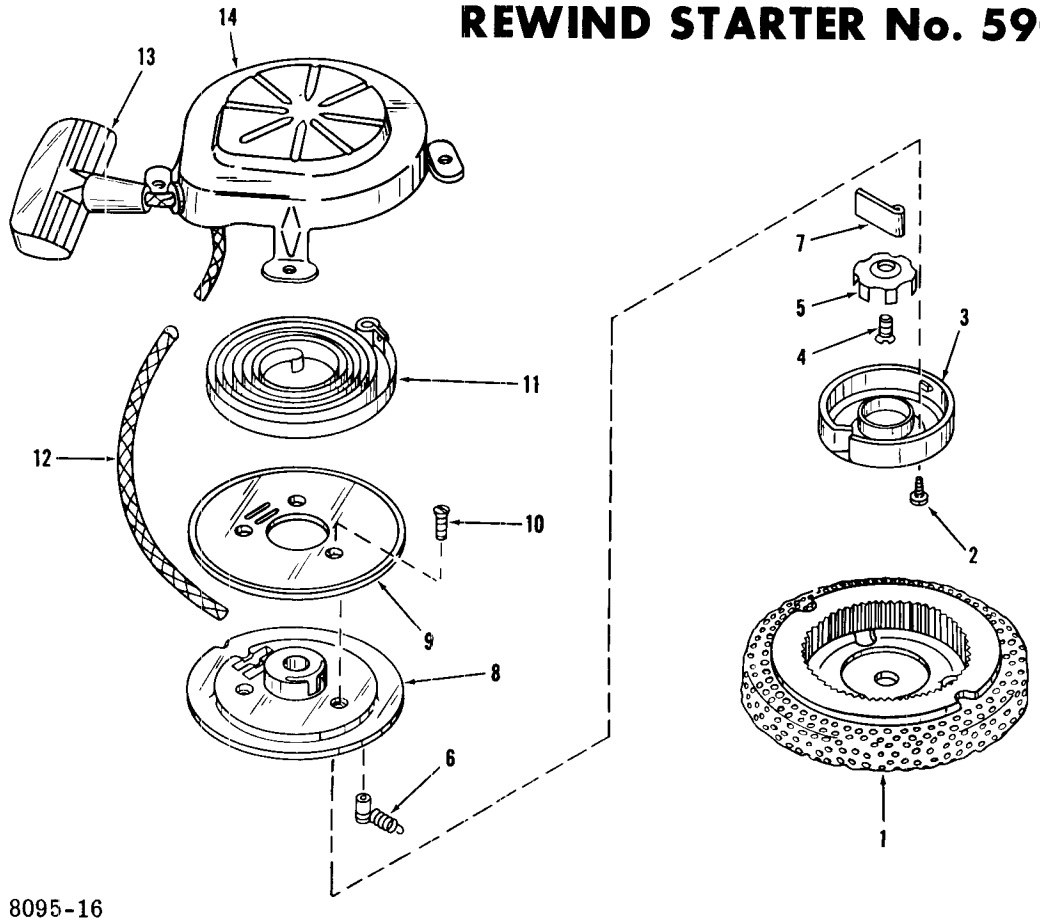
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ENGINE #LAVT35C-3410 PARTS LIST (Continued)

Ref. No.	Part No.	Description	No. Used
109	29716	Screw	4
111	27165	Gasket, Air Cleaner to Elbow	1
112	27933	Bolt, Air Cleaner	1
113	27275	Clip, Lead Wire	1
114	9577	Nut, Wing	1
116	28671	Decal, Speed Control	1
117	29406	Clip, Fuel Line	1
118	27276	Cover, Spark Plug	1
119	29919	Screw	1
120	29918	Lockwasher	1
121	630937	Carburetor	1

Ref. No.	Part No.	Description	No. Used
122	610667	Magneto (Identified by letter "P" following engine model number)	1
122	610673	Magneto (Identified by letter "T" following engine model number)	1
123	590358	Starter, Rewind	1
124	28873	Tube, Breather	1
125	29515	Clamp	1
126	30601	Gasket Set (Incl. items marked *)	1

REWIND STARTER No. 590358

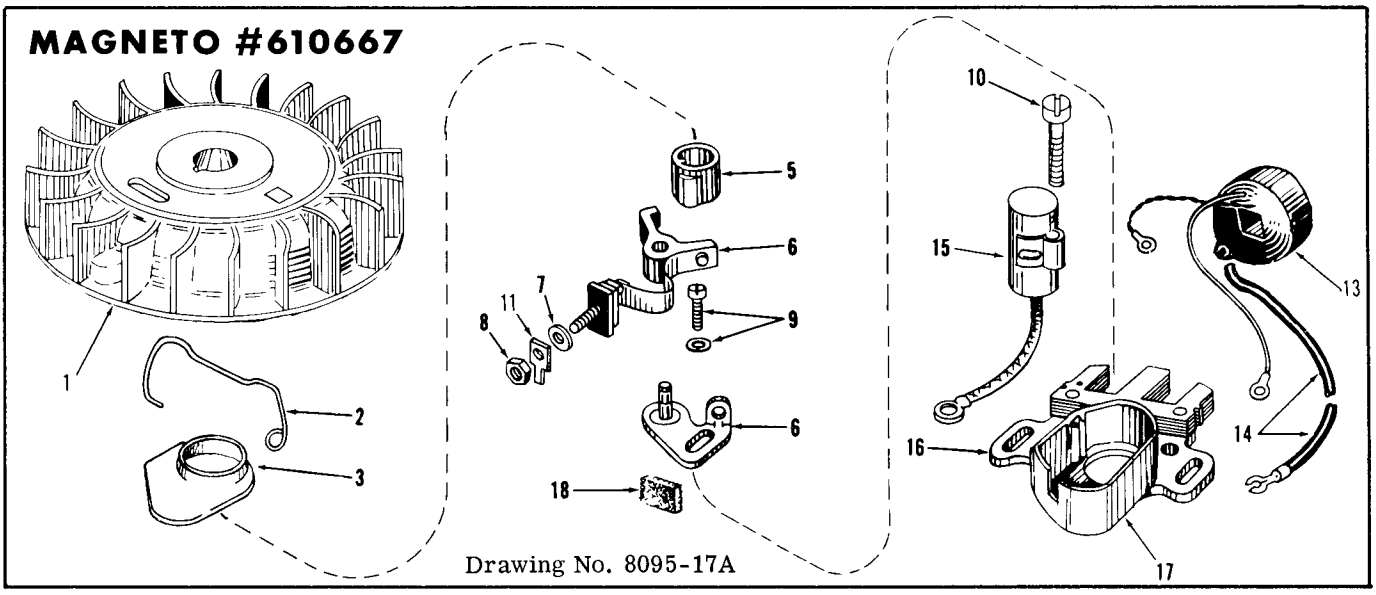


Drawing No. 8095-16

Ref. No.	Part No.	Description	No. Used
1	29225	Hub & Screen Assy.	1
2	590152	Screw	2
3	590153	Retainer	1
4	590150	Screw	1
5	590151	Brake	1
6	27515	Bushing & Spring Assy.	1
7	590148	Dog, Starter	1

Ref. No.	Part No.	Description	No. Used
8	590272	Hub, Starter	1
9	590273	Pulley, Sheave	1
10	590275	Screw	3
11	28289	Spring, Rewind	1
12	590274	Rope	1
13	590288	Handle	1
14	30629	Cover, Starter	1

MAGNETO #610667

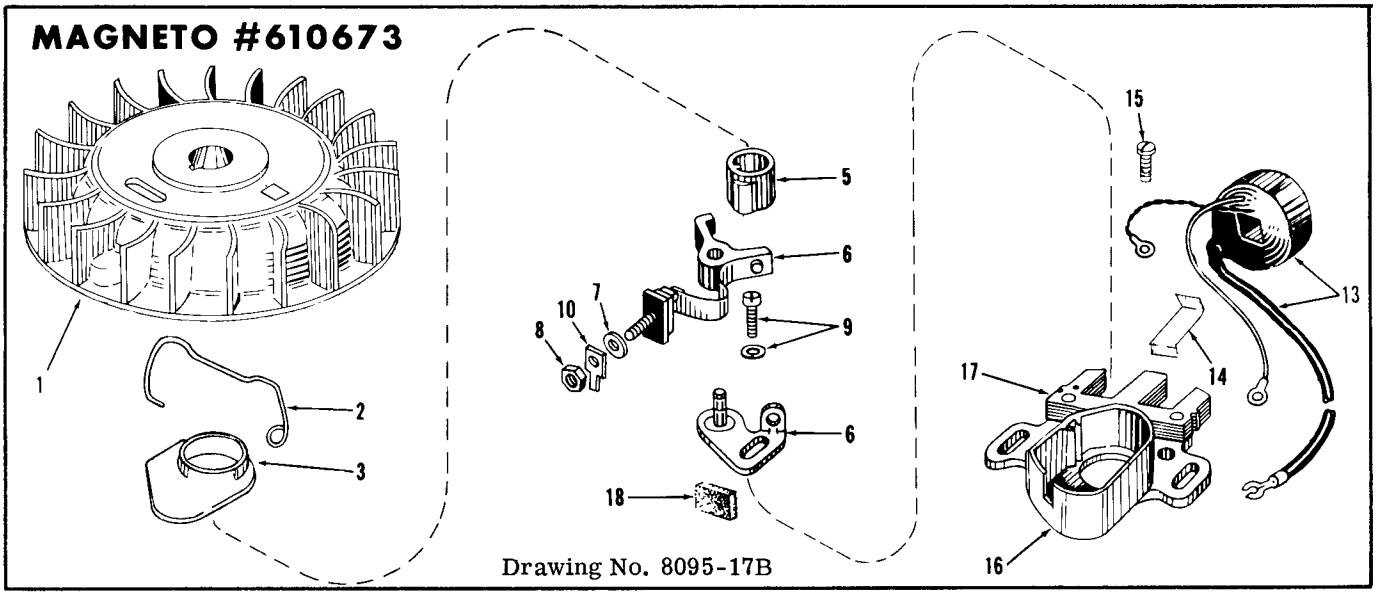


Drawing No. 8095-17A

Ref. No.	Part No.	Description	No. Used
1	30556	Flywheel	1
2	30551	Spring, Breaker Box	1
3	30550	Cover, Breaker Box Dust	1
5	30552	Cam, Breaker	1
6	30547	Breaker Assembly	1
7	610385	Washer, Terminal	1
8	610408	Nut, Terminal	1
9	29181	Screw & Washer, Breaker	
10	610593	Screw, Condenser Fastening	1

Ref. No.	Part No.	Description	No. Used
11	29686	Tab, Ground Terminal	1
13	30546	Coil Assembly	1
14	30554	Wire, Ignition Lead	1
15	30548	Condenser	1
16	30545	Core & Plate Group	1
17	30544	Stator Assembly (Incl. Nos. 2 thru 18)	1
18	30549	Felt, Cam Wiper	1

MAGNETO #610673

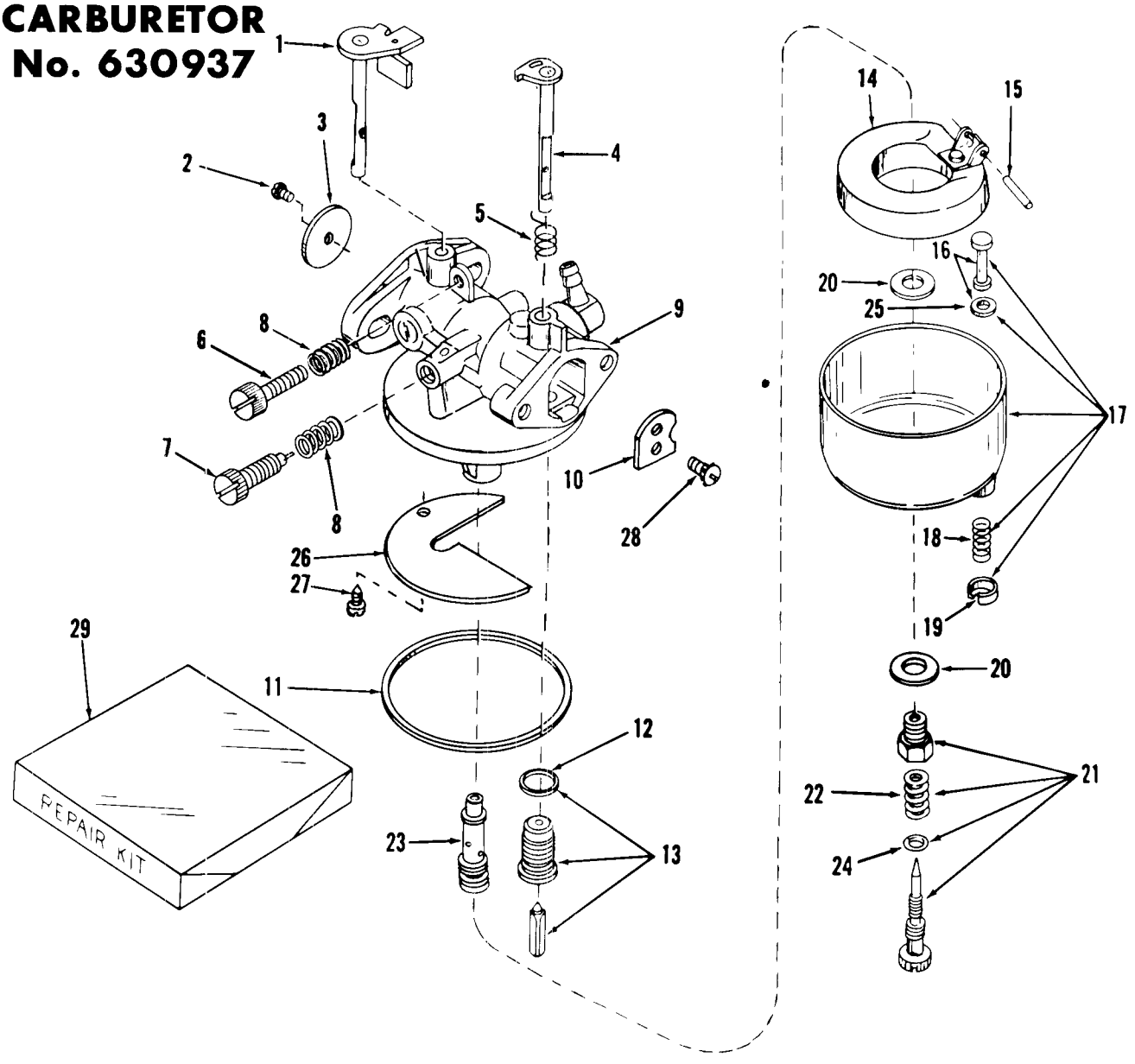


Drawing No. 8095-17B

Ref. No.	Part No.	Description	No. Used
1	30556	Flywheel	1
2	30551	Spring, Breaker Box Cover	1
3	30550	Cover, Breaker Box	1
5	30552	Cam, Breaker	1
6	30547	Breaker Assembly	1
7	610385	Washer, Terminal	1
8	610408	Nut, Terminal	1
9	29181	Screw & Washer, Breaker	1

Ref. No.	Part No.	Description	No. Used
10	29686	Tab, Ground Terminal	1
13	30560	Coil & Lead Wire	1
14	29629	Spring, Coil Wedge	1
15	30562	Screw, Ground	1
16	30545	Core & Plate Group	1
17	30561	Stator Assembly (Incl. Nos. 2 thru 18)	1
18	30549	Felt, Cam Wiper	1

CARBURETOR No. 630937



Drawing No. 8095-18

Ref. No.	Part No.	Description	No. Used
1	30816	Shaft & Lever, Throttle	1
2	30357	Screw	1
3	30726	Shutter, Throttle	1
4	30933	Shaft & Lever, Choke	1
5	30358	Spring, Choke Return	1
6	630605	Screw, Throttle Adjusting	1
7	*27112	Needle, Idle	1
8	27114	Spring, Idle	2
9	30942	Body Assembly, Carburetor	1
10	30927	Valve, Choke	1
11	*30356	Gasket, Body-to-bowl	1
12	27108	Gasket, Float Valve Seat	1
13	*29154	Valve, Seat & Gasket Matched Float	1
14	30354	Float Assembly	1
15	*27106	Shaft, Float	1

Ref. No.	Part No.	Description	No. Used
16	27136	Stem & Gasket Assy. Bowl Drain	1
17	30350	Bowl & Drain Assy., Fuel	1
18	27137	Spring, Bowl Drain	1
19	27138	Retainer, Bowl Drain Stem	1
20	*27110	Gasket, Bowl-to-body	2
21	*28945	Needle Assy., Power Adj.	1
22	630786	Spring, Power Needle	1
23	30355	Nozzle, Main	1
24	27544	"O" Ring	1
25	27554	Gasket, Bowl Drain	1
26	30815	Baffle, Bowl	1
27	30817	Screw	1
28	630606	Screw	2
29	30359	Repair Kit (Incl. items marked *)	1

Warranty

The Manufacturer warrants each new piece of equipment sold to be free of defects in material and workmanship. For one year from the purchase date of consumer line equipment or 45 days if sold for commercial use, Toro Manufacturing Corporation will repair or replace for the original purchaser, free of charge, through any Authorized Service Dealer, any part or parts found at our factory in Minneapolis, Minnesota, to be defective under normal use and service. All institutional equipment is warranted for ninety (90) days from the purchase date.

This Warranty does not obligate the Manufacturer to bear the cost of transportation charges in connection with the replacement or repair of defective parts -- nor shall it apply to a machine upon which repairs or alterations have been made, unless authorized by the manufacturer.

This Warranty does not include nor cover standard accessories produced by other manufacturers. Such accessories have separate warranties by their respective manufacturers . . . and repair or exchange will be made on the basis of such warranties, and the policies authorized by them shall be adhered to.

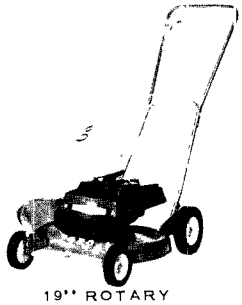
This Warranty is in lieu of all other warranties expressed or implied.

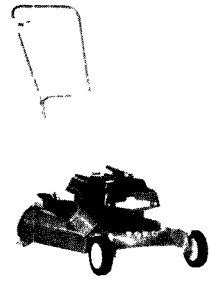
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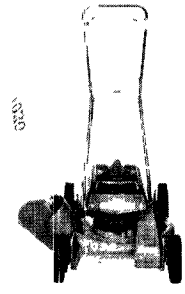
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TORO POWER MOWERS

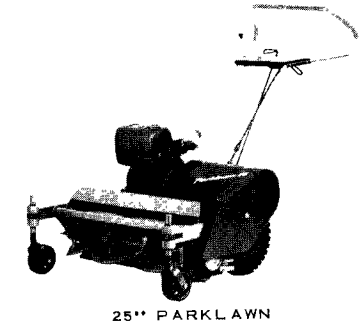
Toro power mowers and Power Handle implements are designed and built to give years of precision performance . . . to make them "the best you can buy." And there's over 40 years of manufacturing experience to back them up.
One of Toro's most important objectives — and one which has helped make Toro the world's largest manufacturer of power mowers — is to provide the customer with complete local service and parts. This Toro has done through an extensive chain of service dealers, factory-trained to give you the most careful, competent care for your Toro work-saver.

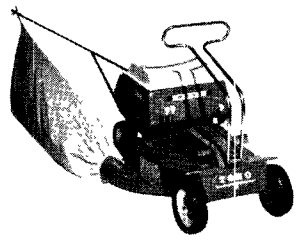

19" ROTARY

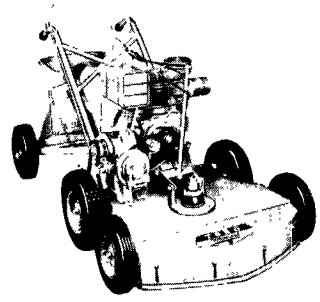

21" HAND PROPELLED ROTARY


21" SELF-PROPELLED ROTARY

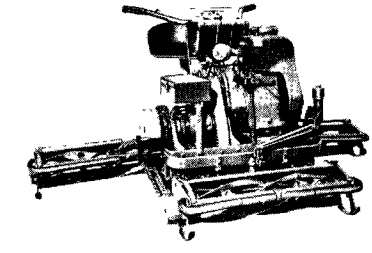

21" SPORTLAWN

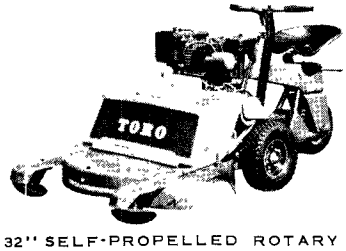

25" PARKLAWN

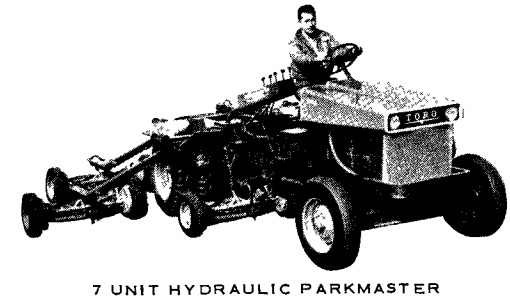

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