



Form No. 3364-324 Rev B

Count on it.

Parts Catalog

53cm Heavy-Duty

Rear Bagger Lawn Mower

Model No. 22178TE—Serial No. 310000001 and Up



Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LPG: Liquid Propane Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

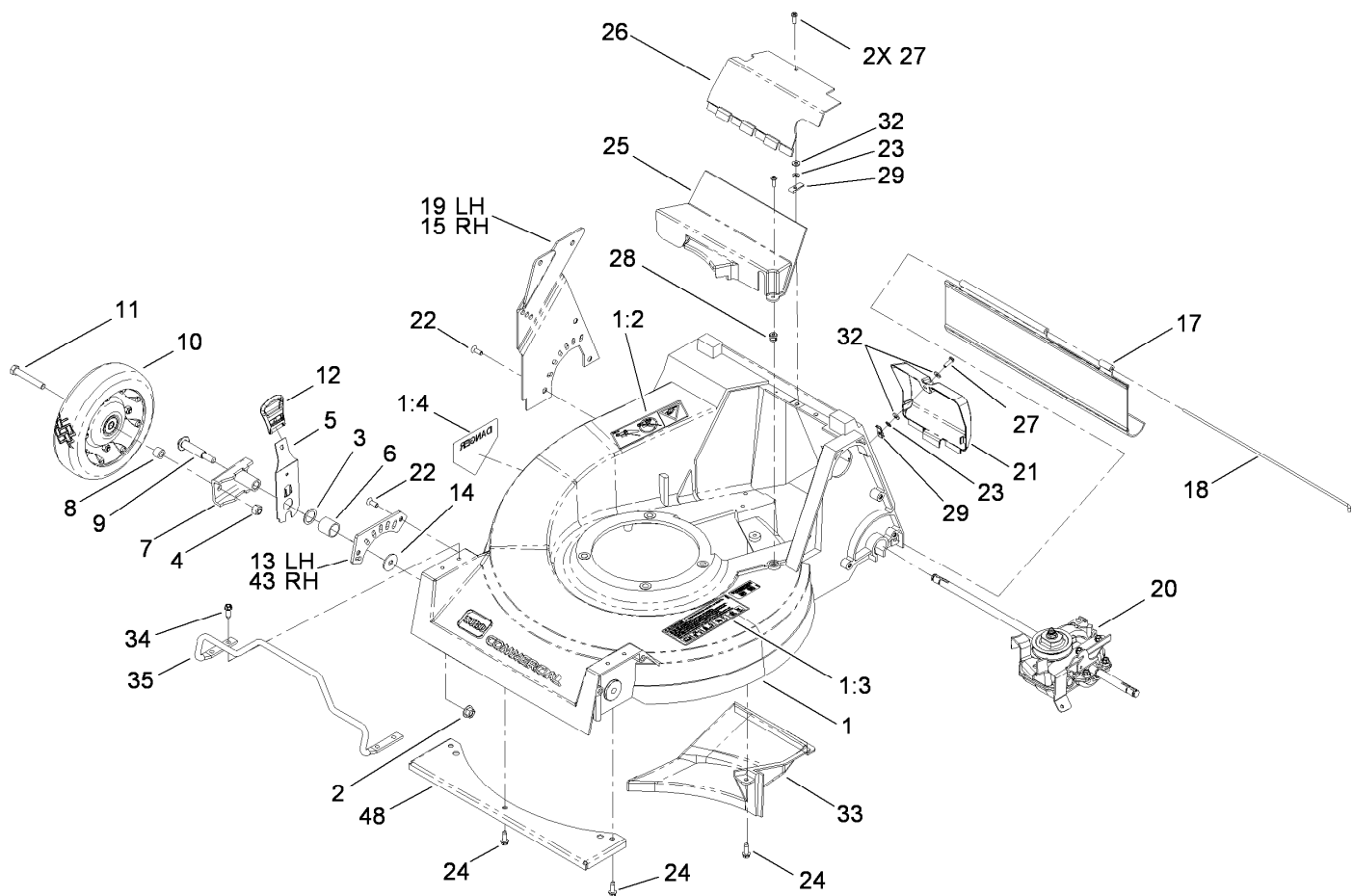
STD: standard

TAP: self tapping

TTH: torx truss head

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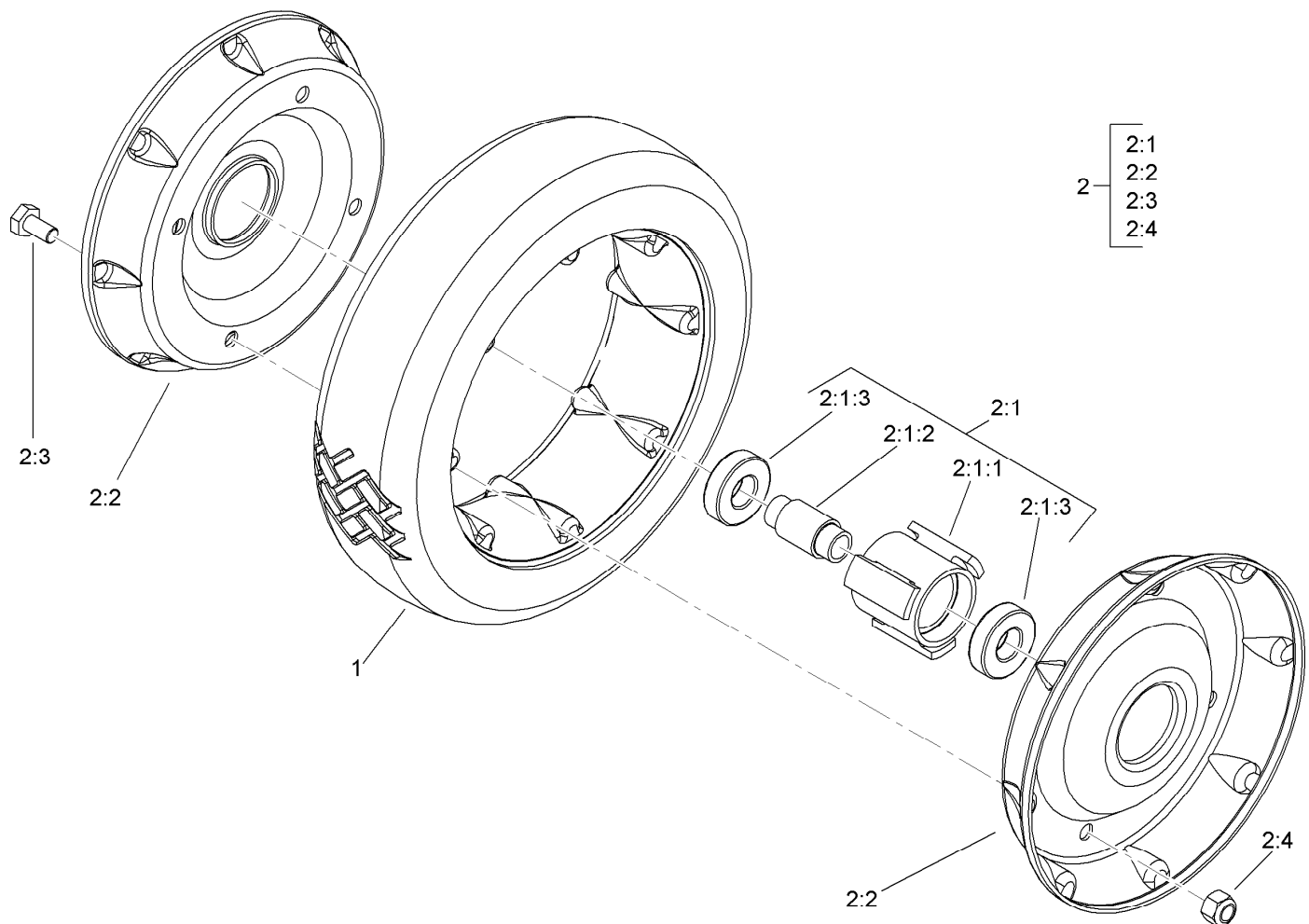
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Housing Assembly

Ref.	Part Number	Qty.	Description
1	115-0992	1	Deck ASM
1:2	110-4977	1	Decal-Danger
1:3	110-4978	1	Decal-Danger
1:4	112-8760	1	Decal-Danger
2	54-9190	2	Nut-Lock
3	115-0972	2	Washer
4	32152-2	2	Nut-Lock, Cone
5	115-0980	2	Front Spring Arm ASM
6	75-5310	2	Spacer-Bearing
7	61-8300	2	Arm-Pivot, Front
8	52-2480	2	Spacer-Wheel
9	114-3468	2	Screw-Shoulder
10	100-2870	2	Wheel And Tire ASM
11	323-12	2	Screw-HH
12	110-0549	2	Knob-HOC
13	115-4495	1	Plate-Front HOC, LH
14	115-0956	2	Washer
15	115-4498-01	1	Plate-Rear HOC, RH
17	110-0509	1	Shield-Trailing

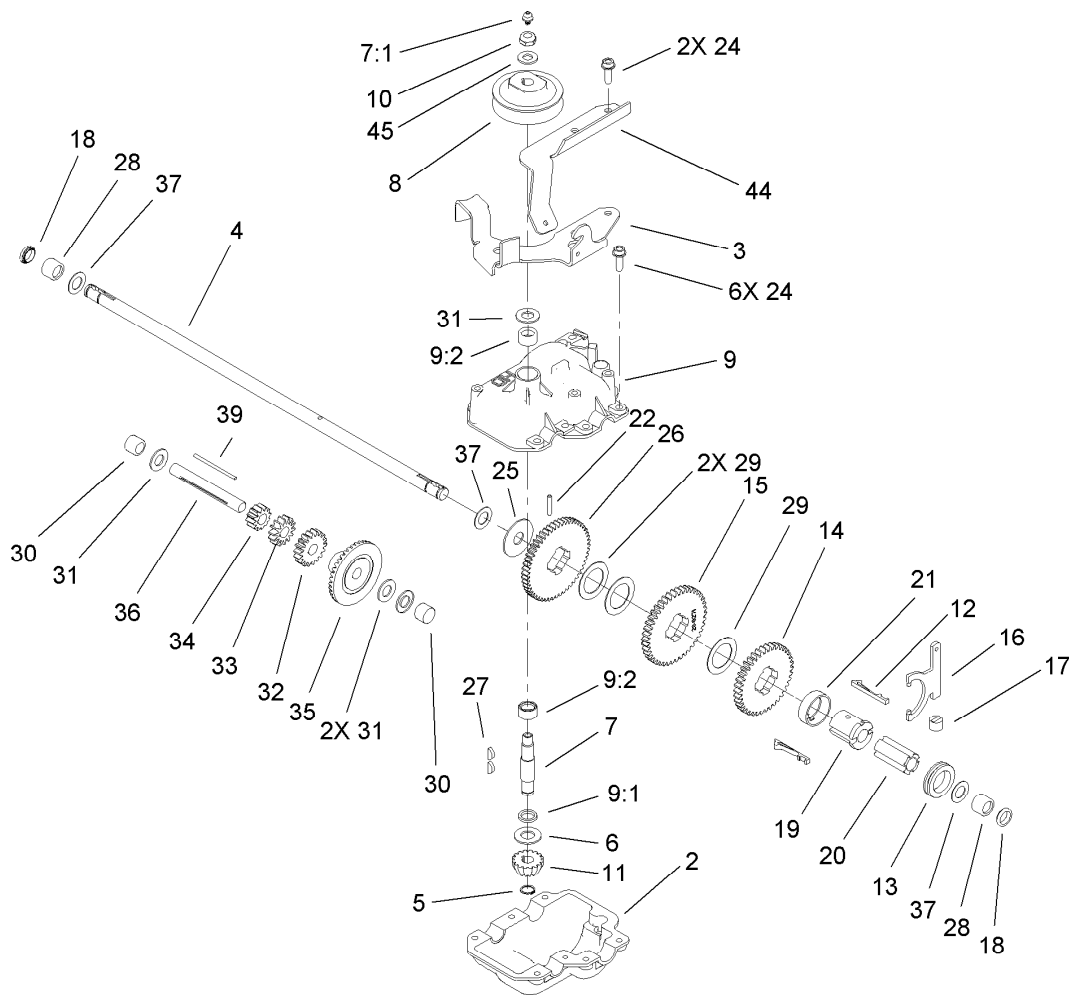
Ref.	Part Number	Qty.	Description
18	33-3202	1	Rod-Shield
19	115-4497-01	1	Plate-Rear HOC, LH
20	110-2100	1	Gear Case ASM
21	107-4288	1	Door-Access, Rear
22	32144-17	10	Screw-HH
23	119-0350	2	Nut-Push
24	32144-85	7	Screw-HWH
25	107-4297	1	Cover-Belt, Lower
26	107-4298	1	Cover-Belt, Upper
27	32144-32	3	Screw
28	611380	1	Nut-Clip
29	3290-171	2	Nut-Type J
32	3256-14	3	Washer-Flat
33	115-0973	1	Baffle-Chute, Floor
34	49-2040	4	Screw-HWHTF
35	110-4876	1	Guard-Engine
43	115-4496	1	Plate-Front HOC, RH
48	115-4476-03	1	Shield-Front, Hi-Vac



Front Wheel and Tire Assembly No. 100-2870

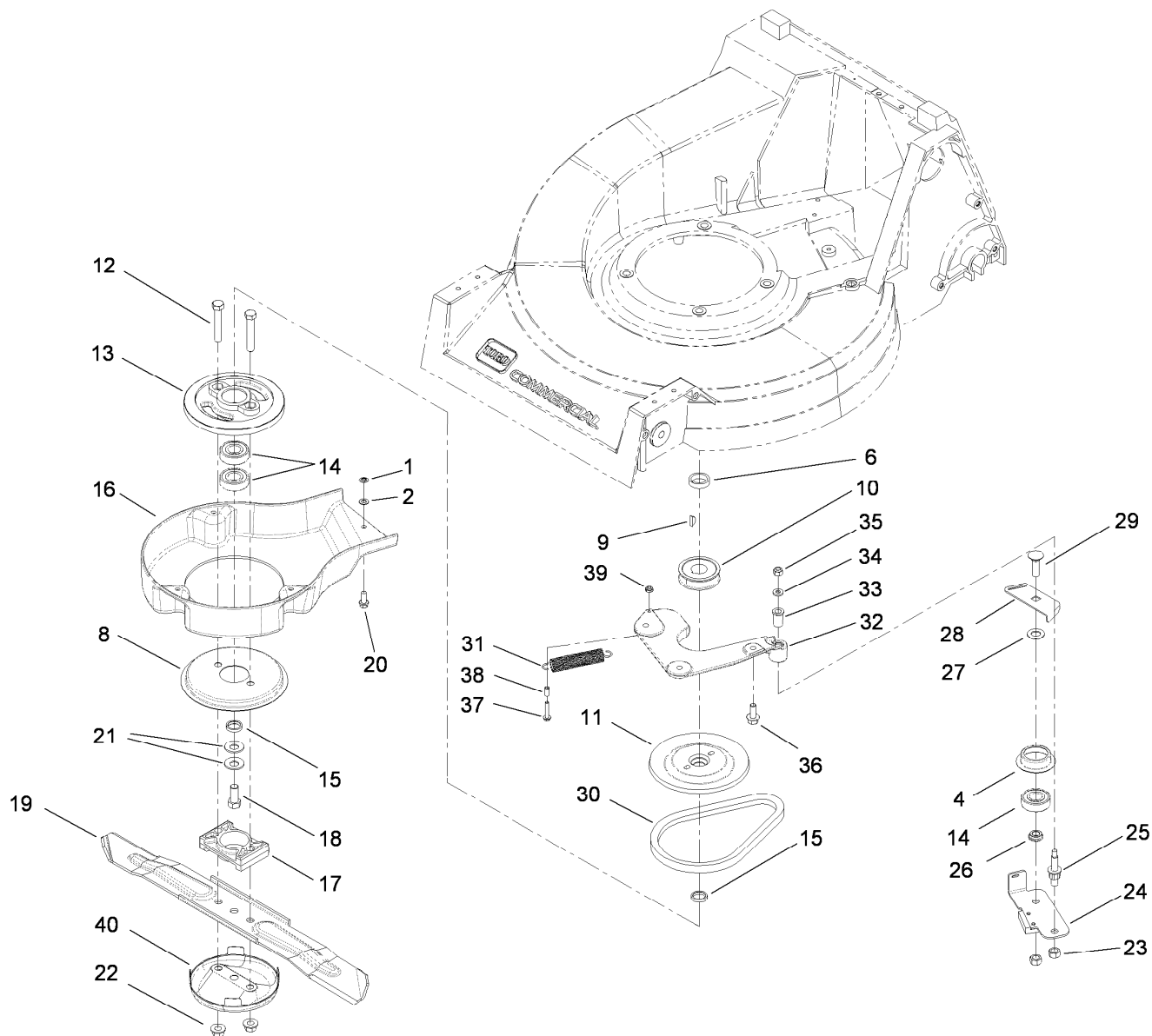
Ref.	Part Number	Qty.	Description
1	53-7740	1	Tire
2		1	Wheel ASM ●
2:1		1	Hub And Bearing ASM ●
2:1:1	52-2410	1	Hub-Bearing
2:1:2	52-2440	1	Spacer-Bearing
2:1:3	52-2450	2	Bearing-Wheel
2:2	53-7780-06	2	Plate-Wheel, Half
2:3	321-2	4	Screw-HH
2:4	3296-42	4	Nut-Lock, NI

● Not serviced separately



Gear Case Assembly No. 110-2100

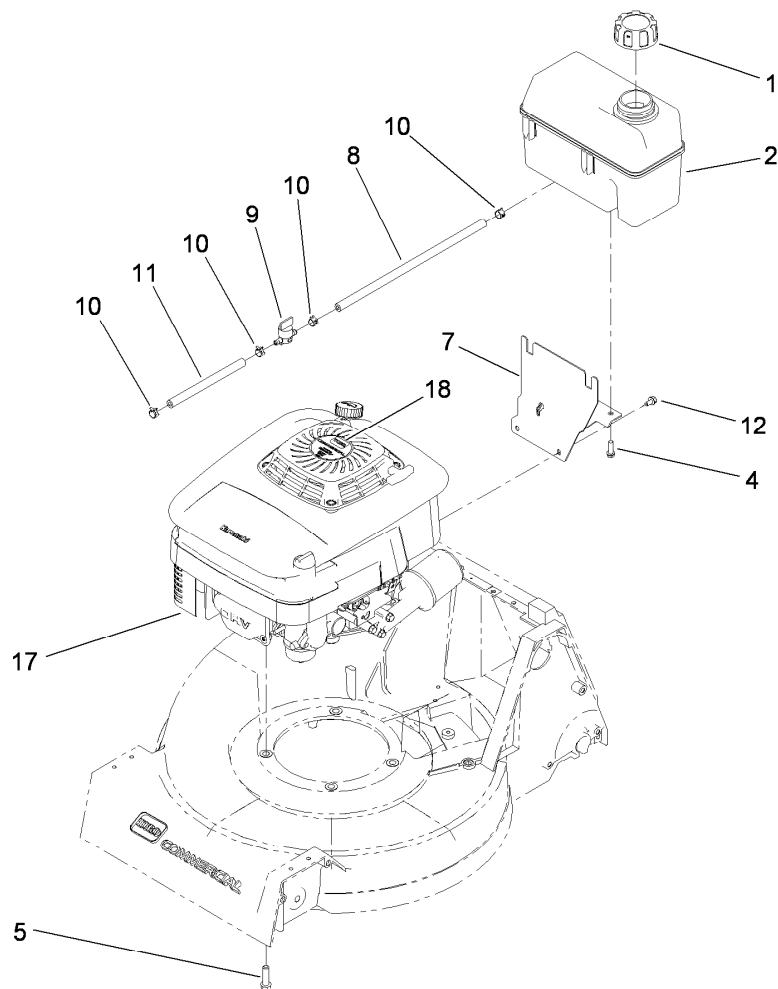
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	74-1920	1	Case-Gear, Lower	20	39-6720	1	Sleeve
3	49-8461-03	1	Bracket-Guide, Belt	21	55-8020	1	Retainer-Key
4	74-1890	1	Shaft-Output	22	3285-19	1	Pin-Groove
5	32151-57	1	Ring-Retaining	24	49-2040	8	Screw-HWHTF
6	47-2910	1	Washer-Thrust	25	29-9690	1	Washer
7	13-5149	1	Input Shaft ASM	26	46-3560	1	Gear
7:1	302-63	1	Zerk	27	3257-1	2	Key-Woodruff
8	39-6740	1	Pulley	28	117-3500	2	Bearing-Caged Needle Roller
9	13-9739	1	Upper Gearcase ASM	29	36-4770	3	Washer
9:1	47-7260	1	Seal	30	252-103	2	Bearing-Needle, Closed
9:2	47-7270	2	Bearing-Needle	31	36-4792	4	Washer-Thrust
10	3296-5	1	Nut-Lock	32	39-6650	1	Gear-18T
11	39-6660	1	Pinion-Bevel	33	46-3550	1	Gear-14T
12	29-9330	2	Key-Shift	34	46-3540	1	Gear-12T
13	29-9340	1	Collar-Shift	35	74-1760	1	Gear-Bevel
14	42-4740	1	Gear-38T	36	53-7950	1	Shaft-Intermediate
15	29-9271	1	Gear-42T	37	36-4780	3	Washer-Plain
16	60-8870	1	Yoke-Shift	39	39-7842	1	Key
17	29-9570	1	Bushing-Yoke	44	108-2648-03	1	Arm-Actuating, Gear Case
18	47-6730	2	Seal-Oil	45	3256-45	1	Washer-Flat
19	55-8010	1	Sleeve-Gear				



Blade Brake Clutch Assembly

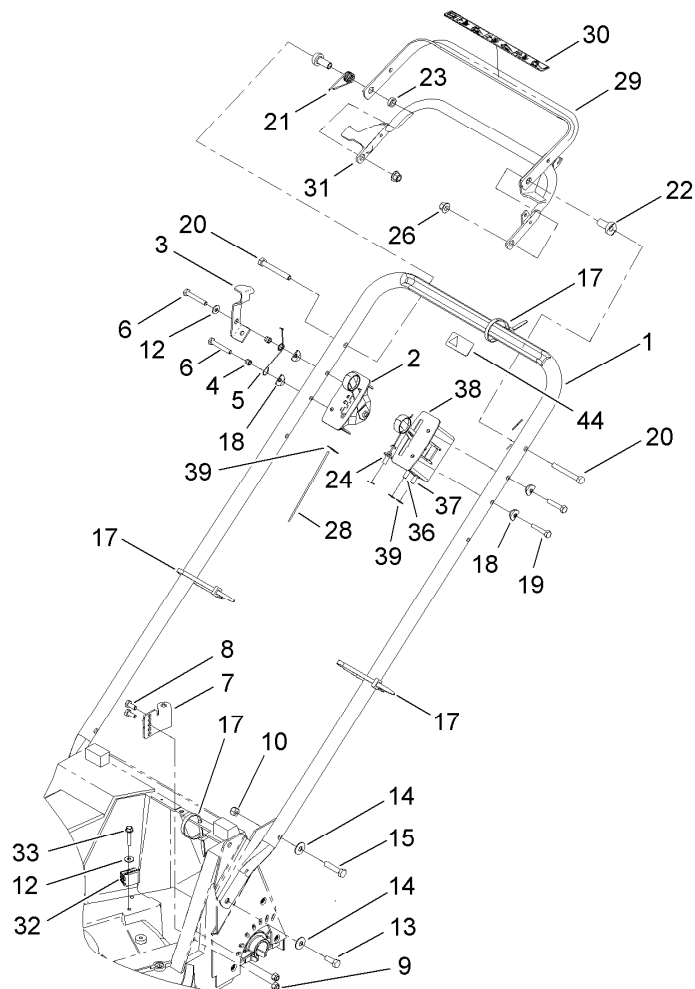
Ref.	Part Number	Qty.	Description
1	106-8737	4	Nut-Retainer
2	3256-60	4	Washer-Flat
4	108-3790	1	Retainer-Belt
6	110-2142	1	Spacer-Pulley
8	108-3787	1	Disc
9	3257-17	1	Key-Woodruff
10	56-6180	1	Pulley-Driver
11	107-4277-03	1	Pulley-Driver, Upper
12	104-5936	2	Screw-HH
13	107-0754	1	Drum
14	100-1048	3	Bearing-Ball
15	107-4293	2	Spacer-Plate, BBC
16	110-0508	1	Shield-BBC
17	107-4275	1	Spacer-Blade
18	3212-4	1	Screw-HH
19	91-2256-03	1	Blade-21 Inch
20	32144-85	4	Screw-HWH
21	1-603610	2	Washer-Spring
22	54-9190	2	Nut-Lock

Ref.	Part Number	Qty.	Description
23	603773	2	Nut
24	107-7477	1	Brake Arm ASM
25	107-0759	1	Bolt-Shoulder
26	107-0758	1	Spacer-Bearing
27	605256	1	Washer-Plain
28	107-7471	1	Plate-Guide
29	3231-25	1	Screw-CARR
30	110-1790	1	Belt-BBC
31	115-4471	1	Spring-Extension
32	107-4280	1	Plate-Mounting, BBC
33	107-0797	1	Bushing
34	3256-16	1	Washer-Flat
35	3296-42	1	Nut-Lock, NI
36	33104-020	3	Screw-HHF
37	32144-9	1	Screw-TAP
38	107-4292	1	Spacer-BBC
39	3296-27	1	Nut-Lock, NI
40	80-2770	1	Cup-Scalp, Anti



Engine and Fuel Tank Assembly

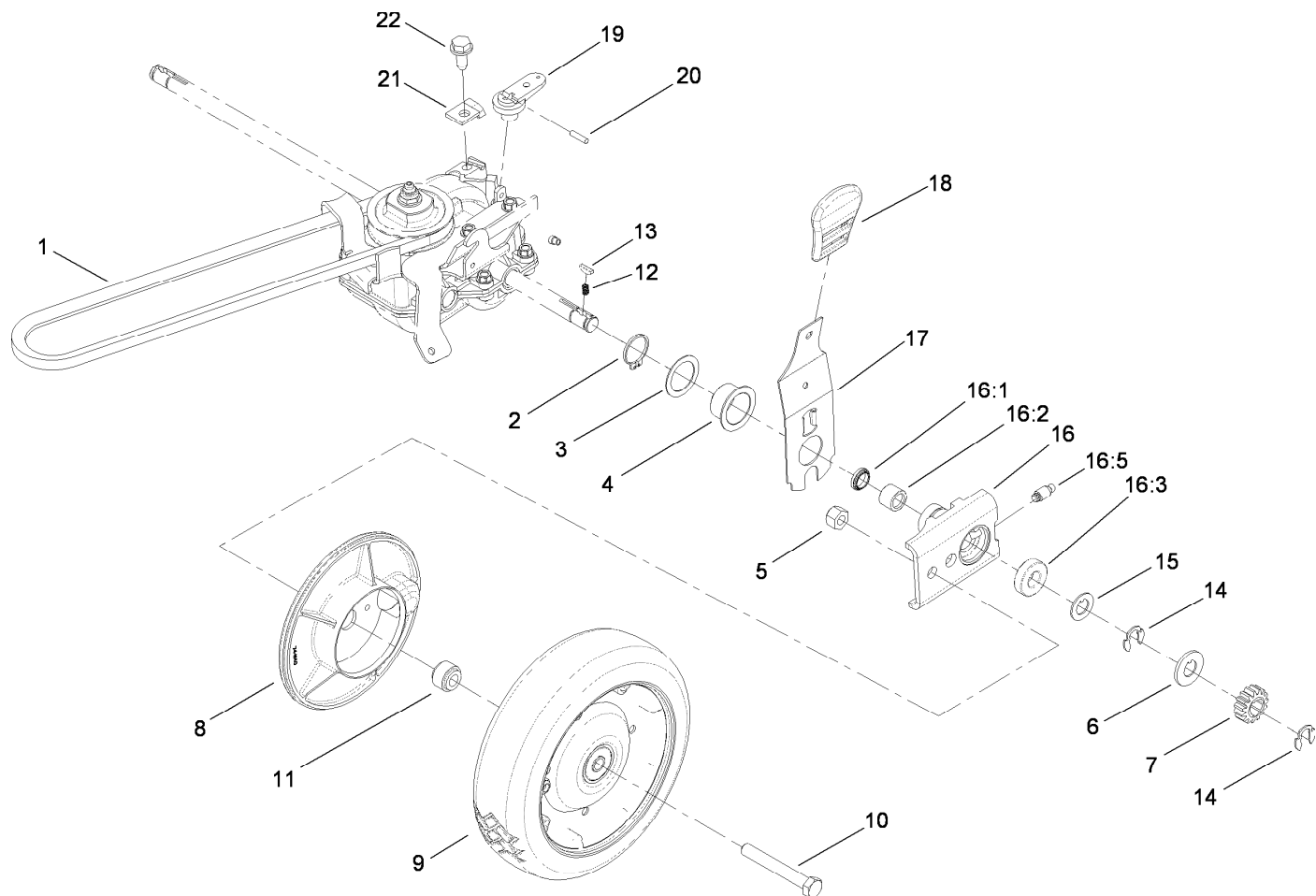
Ref.	Part Number	Qty.	Description
1	93-7198	1	Gas Cap ASM
2	117-3510	1	Fuel Tank ASM
4	46-8091	2	Screw-HWH
5	95-1727	4	Screw-Taptite
7	115-0954-03	1	Tank Mount ASM
8	114-3766	1	Hose-Fuel
9	1-603770	1	Valve-Fuel
10	2412-98	4	Clamp-Hose
11	107-0588	1	Hose-Fuel
12	104-2628	3	Screw-HWH
17	106-0845	1	Engine ASM
18	110-0520	1	Decal



Handle Assembly

Ref.	Part Number	Qty.	Description
1	107-4162-03	1	Handle
2	116-0504	1	Control-Shift
3	115-0999-01	1	Latch-Lever, BBC
4	110-0542	2	Spacer-Flange
5	115-0996	1	Spring-Torsion, Latch
6	321-10	2	Screw-HH
7	115-4453	1	Anchor-Cable
8	321-3	2	Screw-HH
9	3296-42	2	Nut-Lock, NI
10	3296-29	4	Nut-Lock, NI
12	3256-1	2	Washer-Flat
13	322-4	2	Screw-HH
14	3290-456	4	Washer-Belleville
15	322-7	2	Screw-HH
17	3290-378	4	Tie-Cable
18	115-0995	4	Washer
19	321-13	2	Screw-HH

Ref.	Part Number	Qty.	Description
20	322-12	2	Screw-HH
21	115-0993	1	Spring-Torsion
22	49-1631	2	Spacer-Support
23	59-4310	1	Spacer
24	107-4296	1	Cable-BBC
26	3296-58	2	Nut-Lock, NI
28	107-4295	1	Cable-Shift
29	115-4454-03	1	Traction Bail ASM
30	110-2115	1	Decal-Control
31	115-4452-03	1	BBC Bail ASM
32	92-7729	1	Anchor-Cable, Upper
33	32144-110	1	Screw-HWH
36	107-4294	1	Cable-Traction
37	110-4923	1	Throttle Cable ASM
38	117-3544	1	Control Head
39	32151-86	4	E-Ring
44	98-4387	1	Decal-Protection, Ear



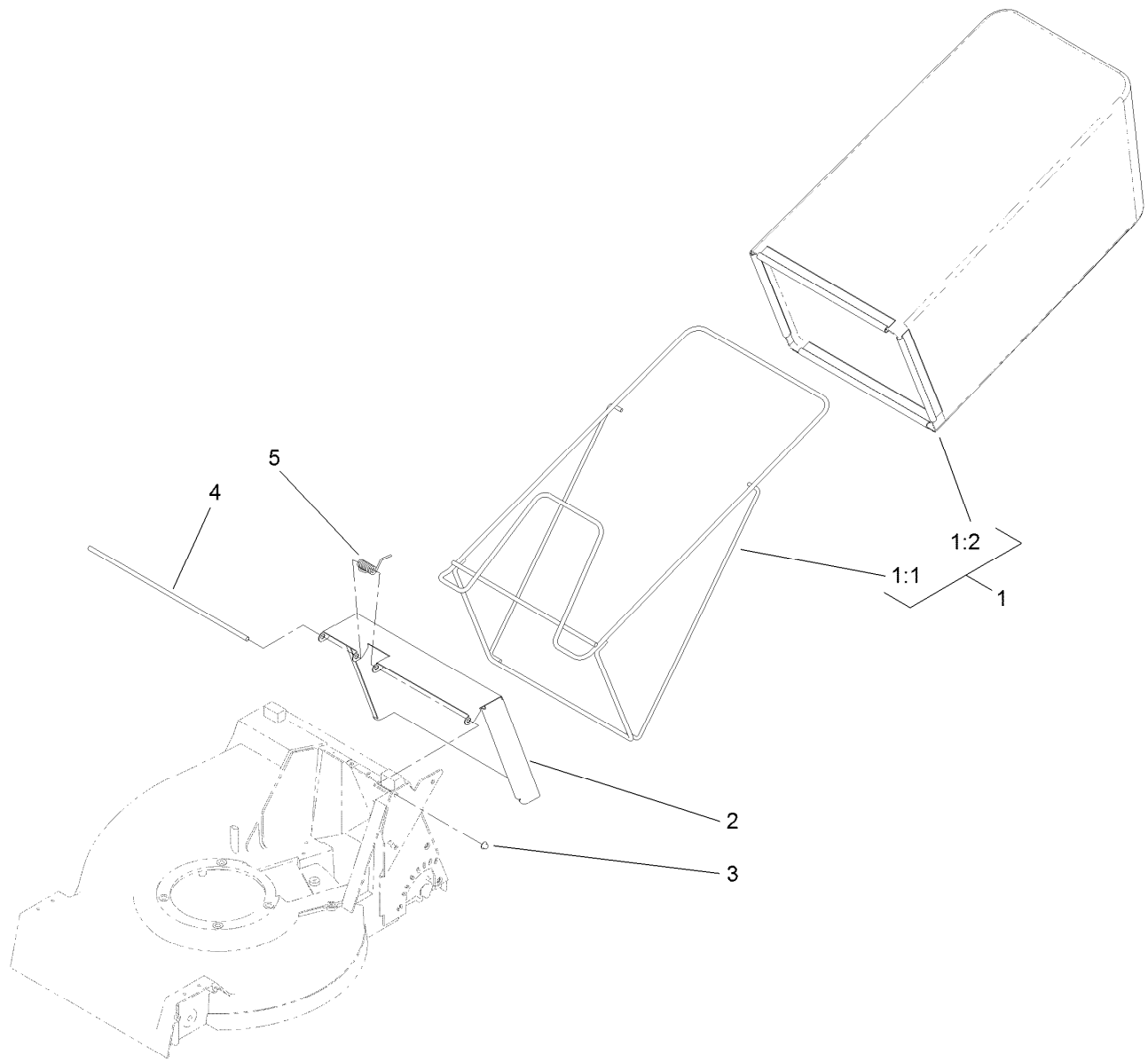
Rear Suspension Assembly

Ref.	Part Number	Qty.	Description
1	612652	1	V-Belt
2	32151-36	2	Ring-Retaining
3	74-1810	2	Washer
4	115-0966	2	Bushing-Flange
5	32152-2	2	Nut-Lock, Cone
6	62-3830	2	Washer-Thrust, Outer
7	39-9160	2	Gear-Pinion
8	74-1640	2	Cover-Wheel
9	100-2860	2	Wheel And Tire ASM
10	323-13	2	Screw-HH
11	74-1650	2	Spacer-Cover, Wheel
12	39-9650	2	Spring-Compression
13	612066	2	Key
14	32151-68	4	Ring-Retaining

Ref.	Part Number	Qty.	Description
15	49-7700	2	Washer-Thrust, Outer
16	74-1851	2	Pivot Arm ASM
16:1	47-6730	1	Seal-Oil
16:2	117-3500	1	Bearing-Caged Needle Roller
16:3	52-2450	1	Bearing-Wheel
16:5	92-6316	1	Zerk
17	115-0979	2	Rear Spring Arm ASM
18	110-0549	2	Knob-HOC
19	29-9560	1	Lever-Shift
20	32121-99	1	Pin-Coil
21	62-3720	1	Clamp-Cable
22	32144-70	1	Screw-HWHTF

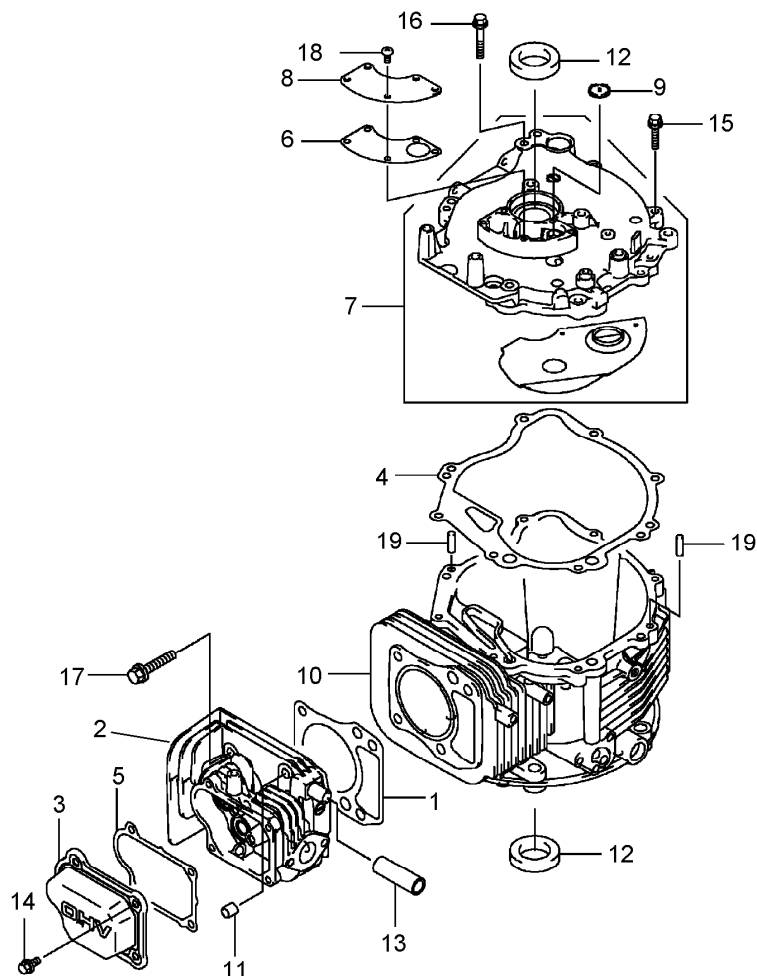


- Not serviced separately



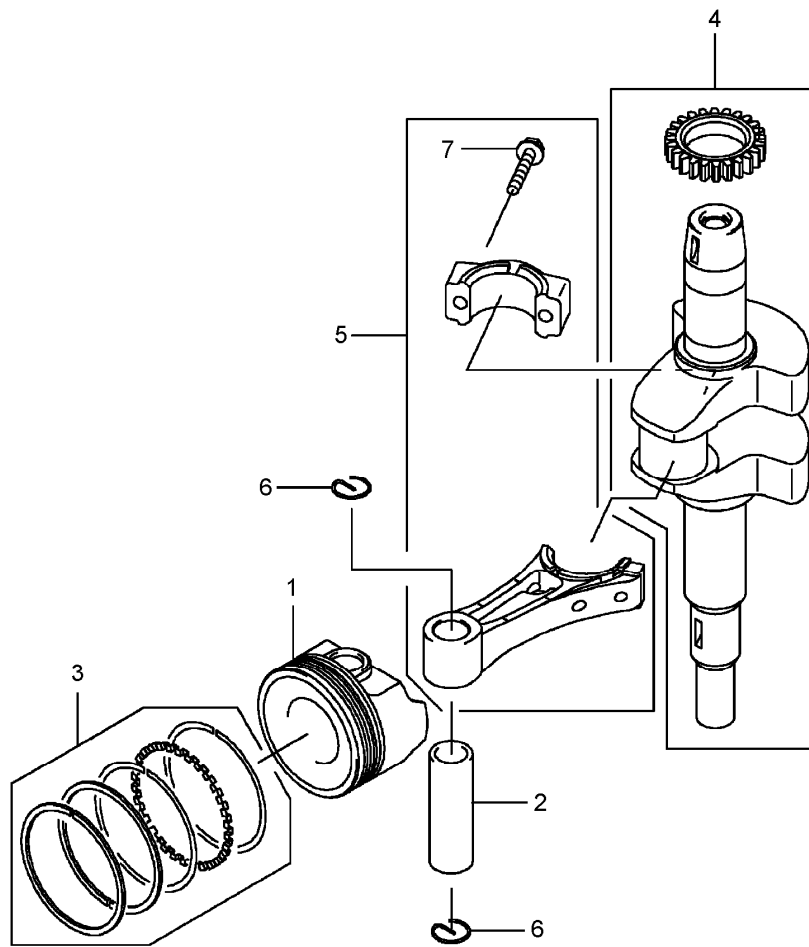
Rear Door and Bag Assembly

Ref.	Part Number	Qty.	Description
1	110-2140	1	Grass Bag ASM
1:1	110-0510-03	1	Frame ASM
1:2	110-0530	1	Bag-Grass
2	114-3445-03	1	Door-Discharge, Rear
3	32112-1	2	Pushnut-Cap, Washer
4	107-4286	1	Rod-Door
5	110-5005	1	Spring-Torsion, Door



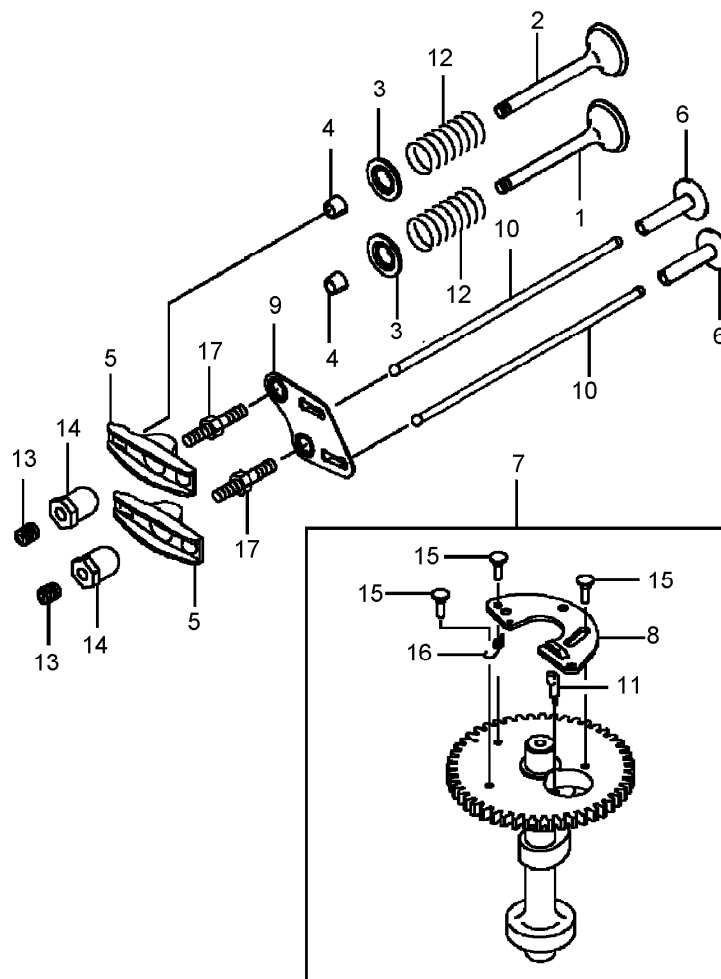
Cylinder and Crankcase Assembly

Ref.	Part Number	Qty.	Description
1	108-2627	1	Gasket-Head
2	108-2501	1	Head-Cylinder
3	108-2502	1	Case-Rocker
4	108-2503	1	Gasket
5	108-2504	1	Gasket-Case, Rocker
6	108-2505	1	Gasket-Breather
7	108-2506	1	Cover
8	108-2507	1	Cover-Breather
9	108-2508	1	Valve-Breather
10	108-2509	1	Crankcase-Complete
11	108-2510	2	Pin
12	108-2511	2	Seal-Oil, Tc (28-44-9)
13	108-2512	1	Tube (12X16X49)
14	100-2804	4	Bolt-Flanged
15	100-2610	7	Bolt-Flanged (6X25)
16	108-2513	1	Bolt-Flange
17	108-2514	4	Bolt-Flange
18	100-2763	5	Screw-Pan
19	108-2515	2	Pin-Dowel (6X12)



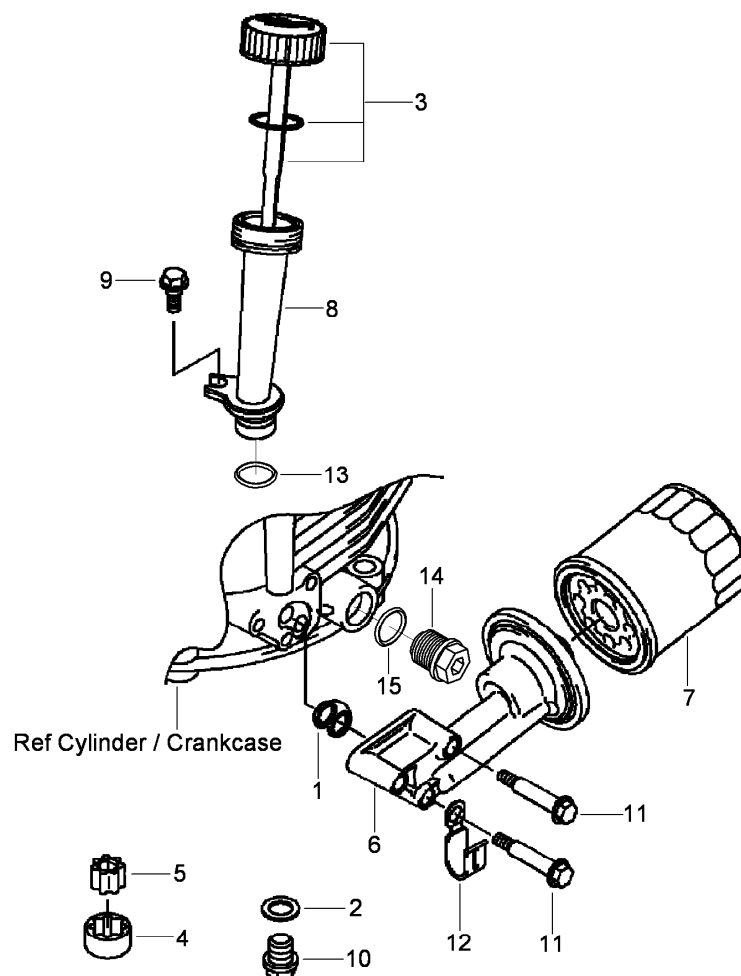
Piston and Crankshaft Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-2516	1	Piston-Engine
2	108-2517	1	Pin-Piston
3	108-2518	1	Ring-Set, Piston
4	108-2626	1	Crankshaft-Comp (BBC)
5	108-2520	1	Connecting Rod ASM
6	108-2521	2	Ring-Snap
7	108-2522	2	Bolt-Flanged (6X30)



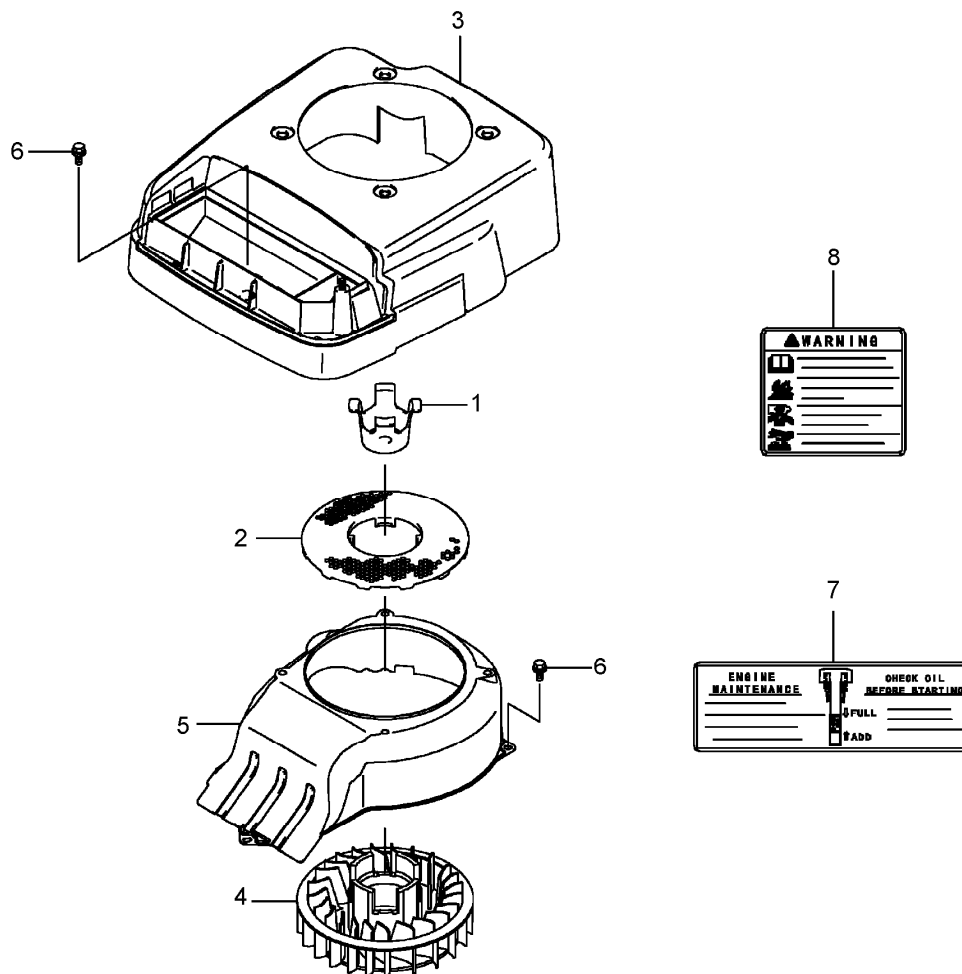
Valve and Camshaft Assembly

Ref.	Part Number	Qty.	Description
1	108-2523	1	Valve-Intake
2	108-2524	1	Valve-Exhaust
3	108-2525	2	Retainer-Spring, Valve
4	95-9744	4	Collet
5	108-2526	2	Arm-Rocker
6	108-2527	2	Tappet
7	108-2528	1	Camshaft Valve ASM
8	108-2529	1	Weight
9	108-2530	1	Guide
10	108-2531	2	Rod-Push
11	108-2532	1	Arm
12	108-2533	2	Spring-Valve, Engine
13	108-2534	2	Screw
14	93-8534	2	Nut
15	108-2535	3	Pin
16	108-2536	1	Spring
17	108-2537	2	Bolt



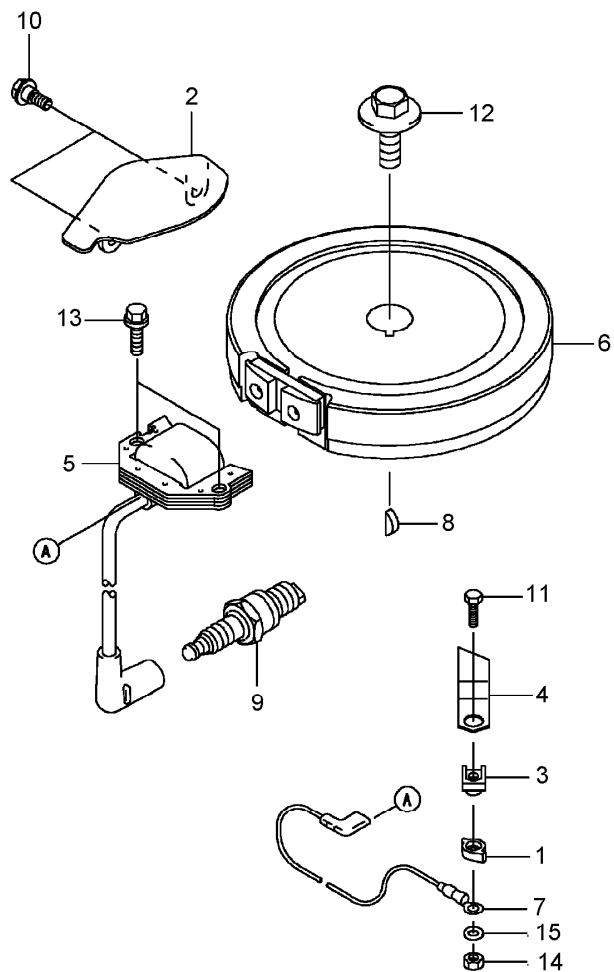
Lubrication Equipment Assembly

Ref.	Part Number	Qty.	Description
1	100-2644	1	Gasket
2	108-2538	1	Gasket
3	108-2539	1	Cap ASM
4	108-2540	1	Rotor-Pump
5	108-2541	1	Rotor-Pump
6	108-2542	1	Pipe
7	KW10761	1	Filter-Oil
8	108-2543	1	Filler
9	108-2544	1	Bolt
10	108-2545	1	Bolt
11	108-2546	3	Bolt
12	108-2547	1	Clamp
13	100-2690	1	O-Ring (16Mm)
14	112-9991	1	Plug-Drain, Oil
15	100-2690	1	O-Ring (16Mm)



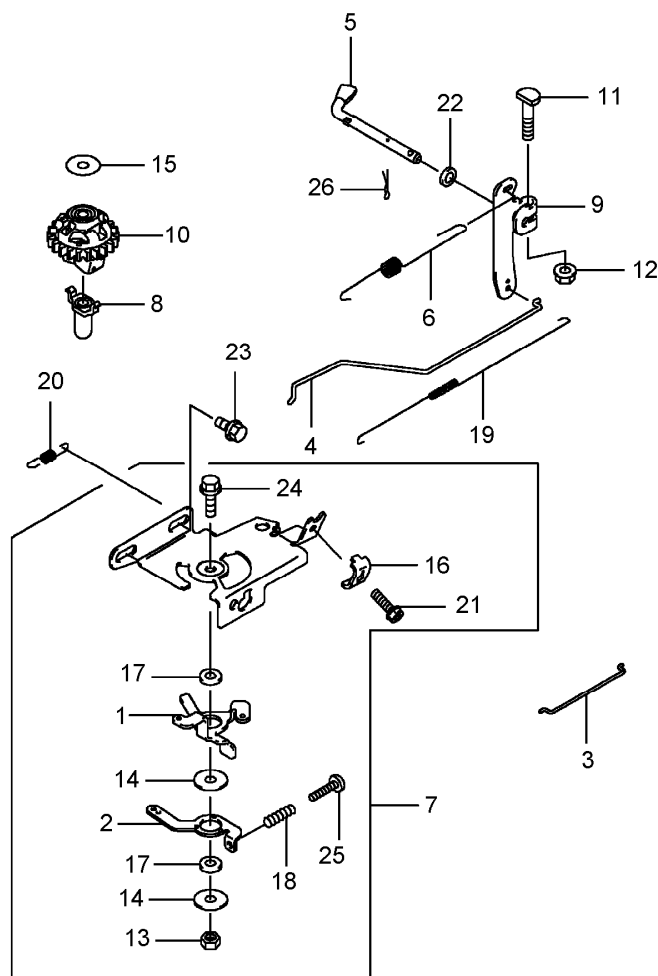
Cooling Equipment Assembly

Ref.	Part Number	Qty.	Description
1	108-2548	1	Bracket-Fan
2	108-2549	1	Screen
3	108-2550	1	Cover
4	108-2551	1	Fan
5	108-2552	1	Housing-Fan
6	100-2804	2	Bolt-Flanged
7	108-2624	1	Label-Manual
8	108-2625	1	Label-Warning



Electrical Equipment Assembly

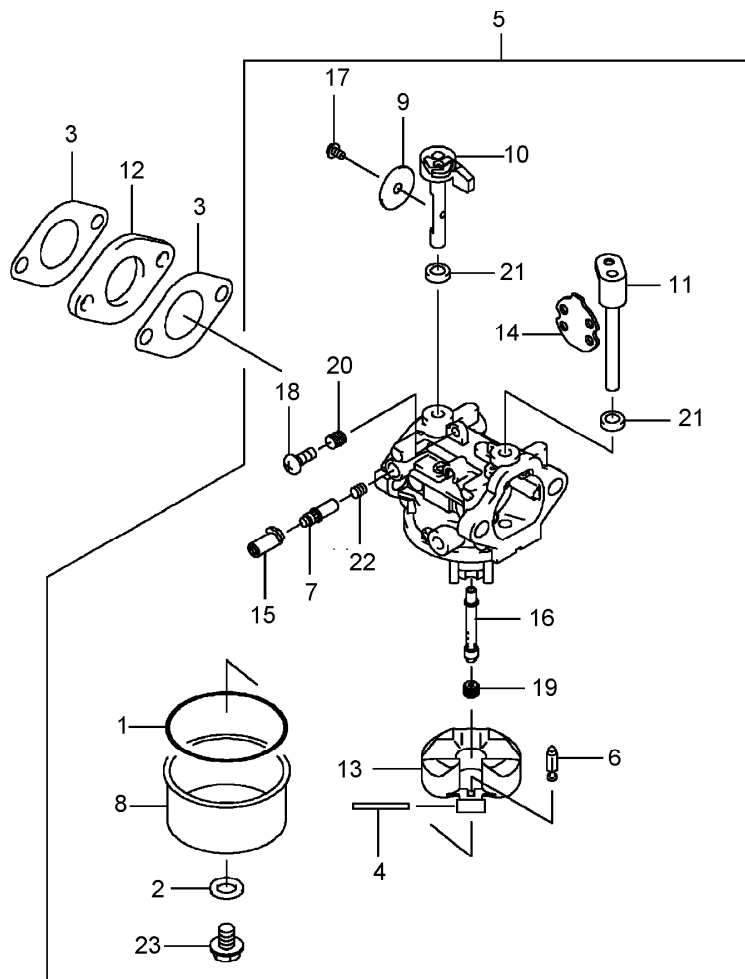
Ref.	Part Number	Qty.	Description
1	100-2652	1	Cover
2	108-2553	1	Cover
3	100-2653	1	Insulator
4	100-2796	1	Terminal
5	108-2554	1	Coil Ignition ASM
6	108-2555	1	Flywheel
7	108-2556	1	Wire-Lead
8	93-8571	1	Key
9	KW10676	1	Spark Plug
10	108-2544	2	Bolt
11	108-2558	1	Bolt
12	108-2559	1	Bolt (12X30)
13	95-9893	2	Bolt-Flanged (6X20)
14	100-2668	1	Nut-Hex (4Mm)
15	100-2798	1	Washer-Plain



Control Equipment Assembly

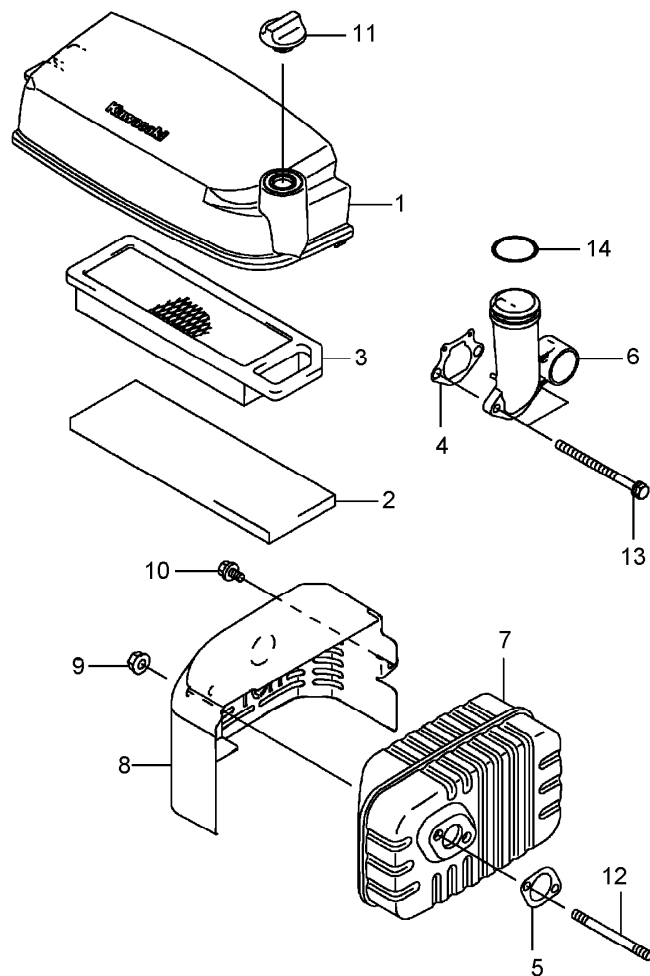
Ref.	Part Number	Qty.	Description
1	108-2560	1	Lever
2	108-2561	1	Lever
3	108-2562	1	Link-Choke
4	108-2563	1	Link-Throttle
5	108-2564	1	Arm-Pivot
6	108-2565	1	Spring-Governor
7	108-2566	1	Control Panel ASM
8	108-2567	1	Sleeve
9	108-2568	1	Arm-Governor
10	108-2569	1	Governor ASM
11	108-2570	1	Bolt
12	108-2571	1	Nut
13	108-2572	1	Nut

Ref.	Part Number	Qty.	Description
14	100-2715	2	Washer
15	93-8612	1	Washer
16	95-9849	1	Clamp
17	100-2718	2	Collar
18	93-8588	1	Spring
19	108-2573	1	Spring-Throttle
20	108-2574	1	Spring
21	95-9853	1	Bolt (5X18)
22	108-2575	1	Washer (6.5X11.5X2.0)
23	100-2804	2	Bolt-Flanged
24	108-2576	1	Bolt-Flange
25	108-2577	1	Screw-Pan
26	108-2578	1	Pin-Snap



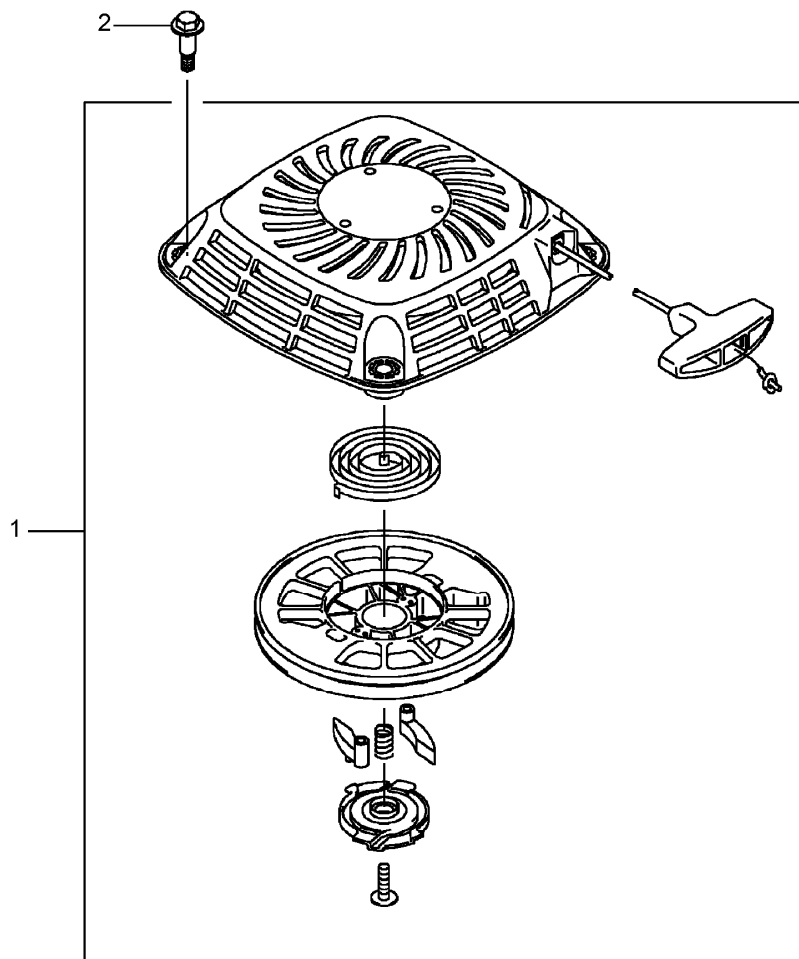
Carburetor Assembly

Ref.	Part Number	Qty.	Description
1	108-2579	1	Gasket
2	108-2580	1	Gasket-Screw
3	108-2581	2	Gasket
4	108-2582	1	Shaft
5	108-2583	1	Carburetor ASM
6	108-2584	1	Needle-Jet
7	108-2585	1	Screw-Pilot, Air
8	108-2586	1	Chamber-Float
9	108-2587	1	Valve-Throttle
10	108-2588	1	Shaft-Carburetor
11	108-2589	1	Shaft-Carburetor
12	108-2590	1	Insulator
13	108-2591	1	Float ASM
14	108-2592	1	Choke Valve ASM
15	108-2593	1	Limiter
16	108-2594	1	Nozzle-Main
17	108-2595	1	Screw
18	108-2596	1	Screw
19	108-2597	1	Jet-Main (No.74)
20	108-2598	1	Spring
21	108-2599	2	Seal
22	108-2600	1	Spring
23	108-2601	1	Screw



Air Filter and Muffler Assembly

Ref.	Part Number	Qty.	Description
1	108-2602	1	Case-Filter, Air
2	108-2603	1	Element-Filter, Air
3	108-2604	1	Air Filter Element ASM
4	108-2605	1	Gasket-Pipe, Intake
5	108-2606	1	Gasket-Muffler
6	108-2607	1	Pipe-Intake
7	108-2608	1	Muffler
8	108-2609	1	Cover-Muffler
9	108-2610	2	Nut
10	108-2611	1	Bolt (6X10)
11	108-2612	1	Nut
12	100-2761	2	Bolt-Stud
13	100-2762	2	Bolt
14	108-2613	1	O-Ring (32Mm)



Starter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-2614	1	Starter-Recoil
2	108-2615	4	Bolt

Attachments and Accessories

For 22178TE 53cm Heavy-Duty Rear Bagger Lawn Mower

Product Name	Model/Part
Hi-Vac Side Discharge Kit.....	22180



Count on it.