



ProLine 21in Recycler[®] Mower

Model No. 22031 - 210000001 and up.

Parts Catalog

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 illustrations and in part 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.

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Part Description Abbreviations

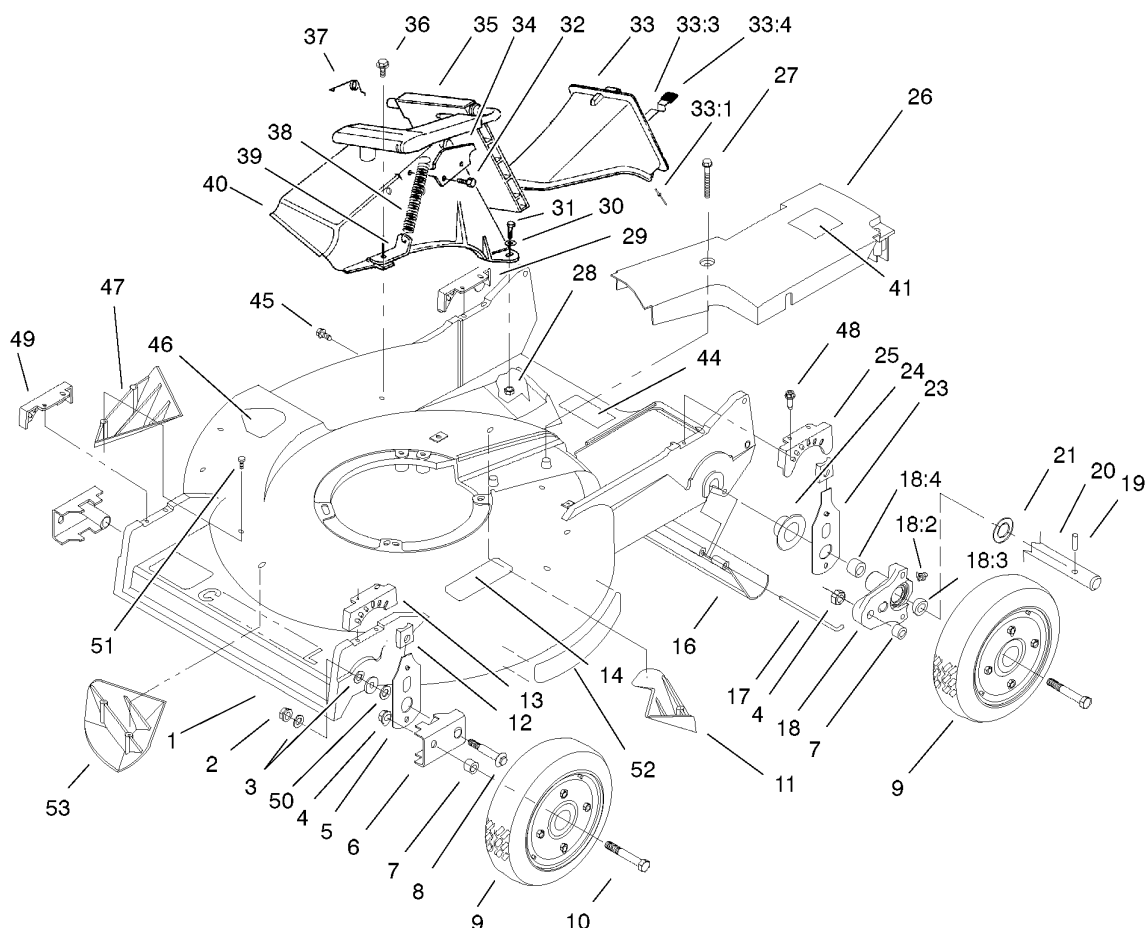
Part descriptions in this catalog may include the following abbreviations.

AR. as required	HWHTF. hex washer head thread forming
ASM. assembly	HYD. hydraulic
BBC. blade brake clutch	LH. left hand
CARR. carriage	NI. nylon insert
CCW. counter clock wise	NPTF. national pipe thread fine
CW. clockwise	PFH. phillips flat head
DEG. degrees	PPH. phillips pan head
ECM. electronic control module	PPHTF. phillips pan head thread forming
EXT. external	PRH. phillips round head
FH. flat head	PTH. phillips truss head
GA. gauge	PTO. power-take-off
HD. heavy-duty	RH. right hand
HF. hex flange	ROPS. roll-over protection system
HH. hex head	SFH. slotted fillister head
HHF. hex head flange	SHH. slotted hex head
HHFTF. hex head flange thread forming	SHWH. slotted hex washer head
HJ. hex jam	SPH. slotted pan head
HLH. hex lag head	SQH. square head
HOC. height-of-cut	SRH. slotted round head
HSBH. hex socket button head	STD. standard
HSFH. hex socket flat head	TAP. self tapping
HSH. hex socket head	TTH. torx truss head
HWH. hex washer head	

Footnotes

❶ Not illustrated

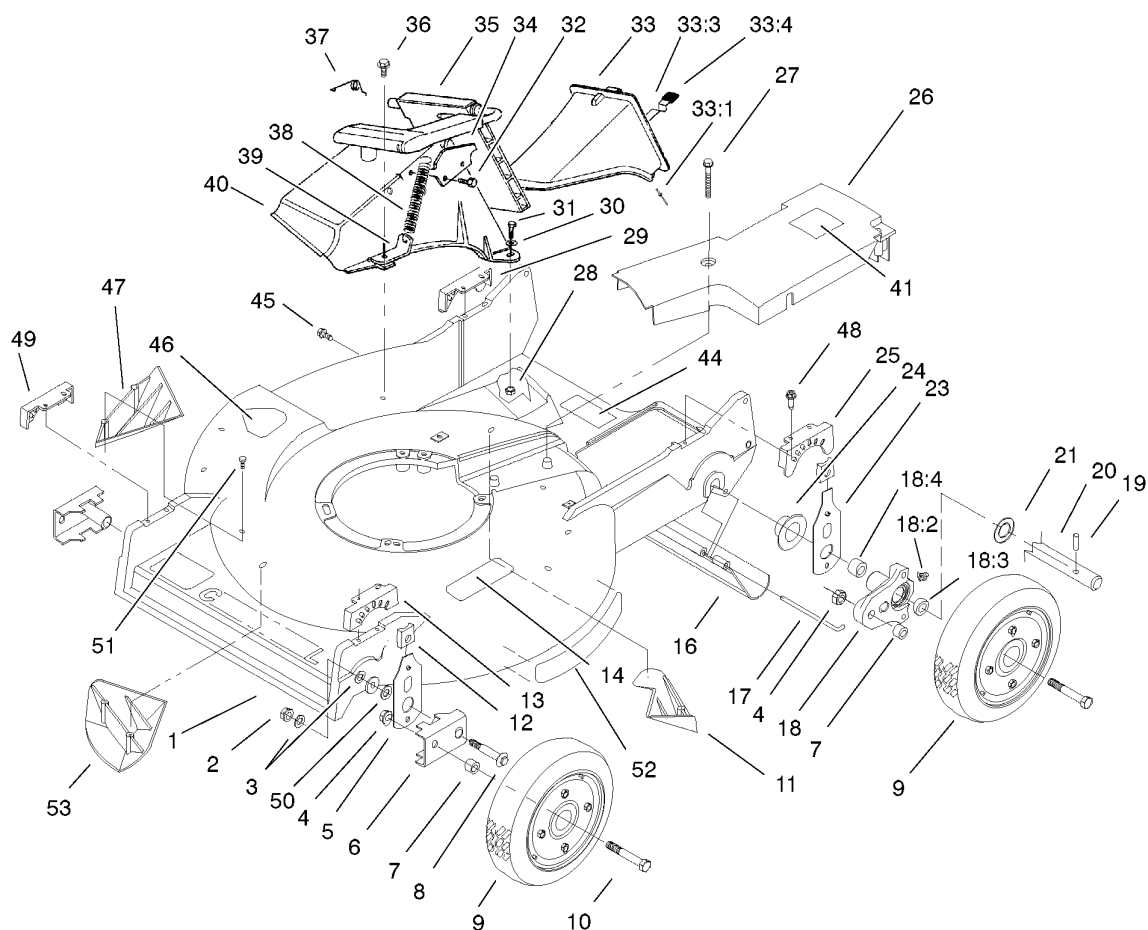
❷ Not serviced separately



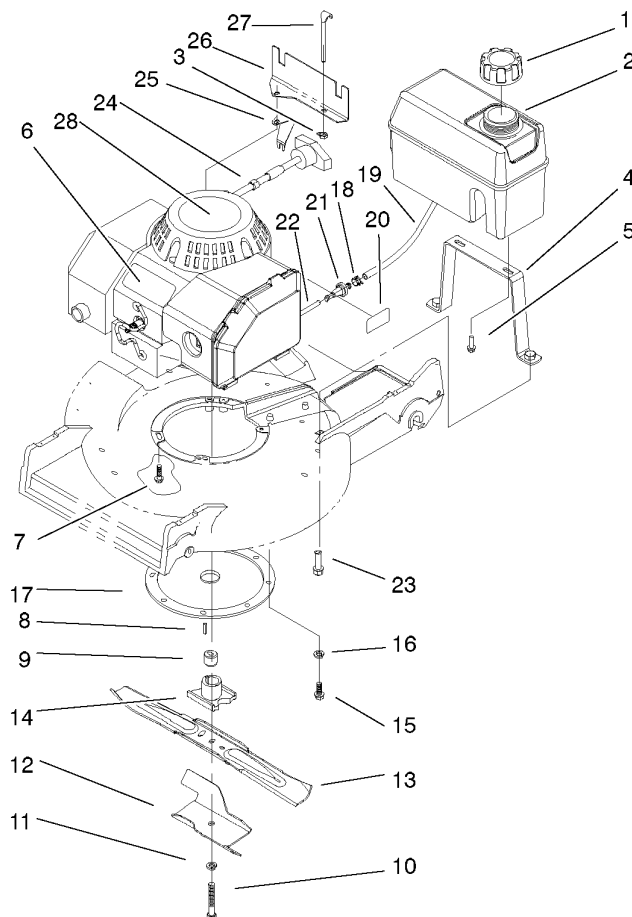
Housing Assembly

Ref	Part No.	Qty.	Description
1	98-7139	1	Housing
2	3296-6	2	Nut-Lock
3	40-1940	4	Washer
4	32152-2	4	Nut-Lock, Cone
5	66-7560	2	Front Spring Arm ASM
6	61-8300	2	Arm-Pivot, Front
7	52-2480	4	Spacer-Wheel
8	27-6232	2	Bolt-Wheel
9	53-7720	4	Wheel And Tire ASM
10	323-12	4	Screw-HH
11	92-1750	1	Kicker-Rear
12	25-7740	4	Knob-Arm
13	49-8760	1	Quadrant-Front, LH
14	93-0248	1	Decal-Warning
16	44-0580	1	Shield-Trailing
17	33-3208	1	Rod-Shield
18	42-3510	2	Pivot Arm ASM
18:2	302-56	1	Fitting-Grease
18:3	47-2890	1	Bushing
18:4	47-2900	1	Bushing
19	32121-108	2	Pin-Spirol
20	49-8790	1	Shaft-Axle, Rear
21	36-4780	2	Washer-Plain
23	66-7561	2	Rear Spring Arm ASM

Ref	Part No.	Qty.	Description
24	48-2170	2	Cap-End
25	49-8740	1	Quadrant-Rear, LH
26	63-9441	1	Cover-Belt
27	37-7260	2	Screw-HHFTF
28	3296-42	2	Nut-Lock, NI
29	49-8750	1	Quadrant-Rear, RH
30	3256-22	2	Washer-Flat
31	321-7	2	Screw-HH
32	46-8090	2	Screw-Plastite
33	77-0500	1	Discharge Plug ASM
33:1	3295-35	1	Rivet-Head, Flat
33:3	76-4640	1	Latch-Plug, Discharge
33:4	76-4650	1	Grip-Latch
34	93-3154	1	Latch-Plate
35	93-7351	1	Discharge Door ASM
36	46-6811	1	Screw-HWH
37	80-3770	1	Retainer-Door
38	76-4660	1	Spring-Door
39	71-9350	1	Bracket-Spring
40	82-9152	1	Tunnel-Discharge
41	52-2610	1	Label-Grease, Hp
44	92-1779	1	Decal-Warning
45	46-6810	1	Screw And Washer ASM
46	39-5770	1	Decal-Danger

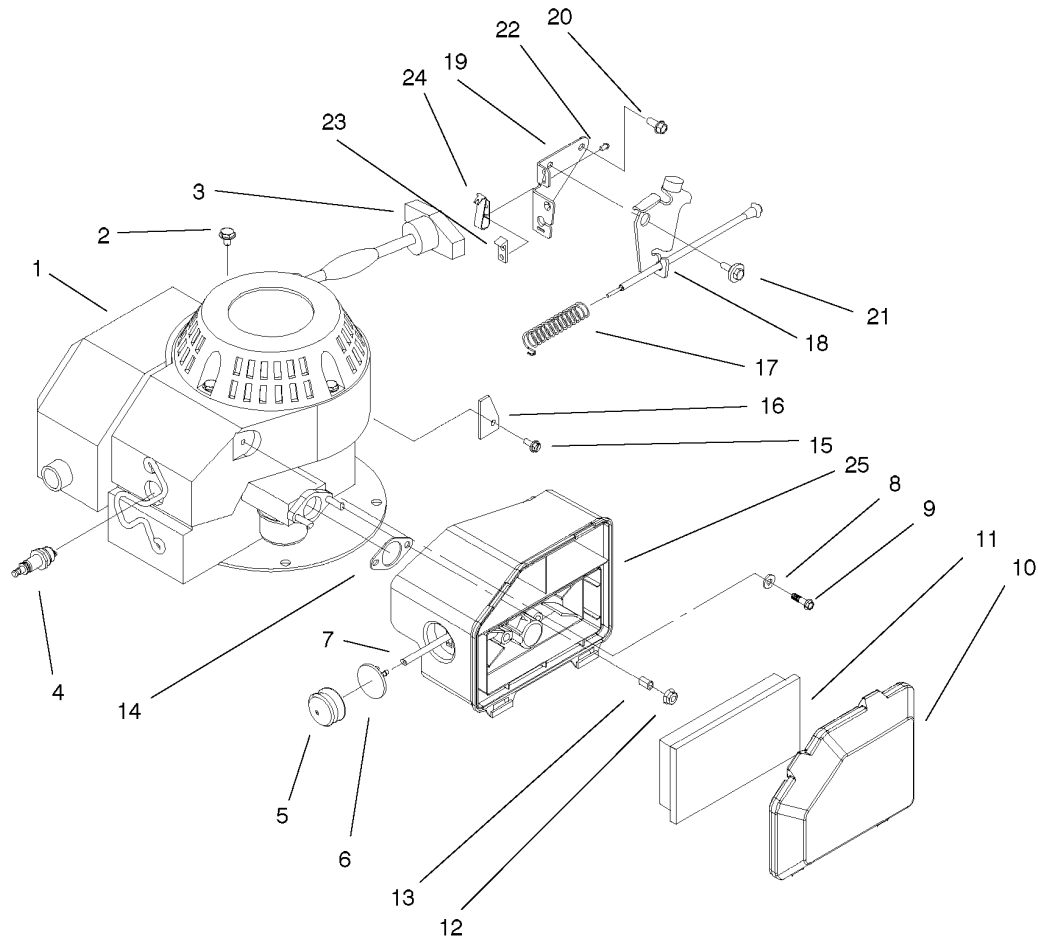
**Housing Assembly (continued)**

Ref	Part No.	Qty.	Description				
47	92-1730	1	Kicker-RH				
48	49-2040	8	Screw-HWHTF				
49	49-8770	1	Quadrant-Front, RH				
50	257-3	2	Washer-Thrust				
51	32144-111	6	Screw-PPH				
52	92-7988	1	Decal - Recycler				
53	92-1720	1	Kicker-Front				



Engine Assembly

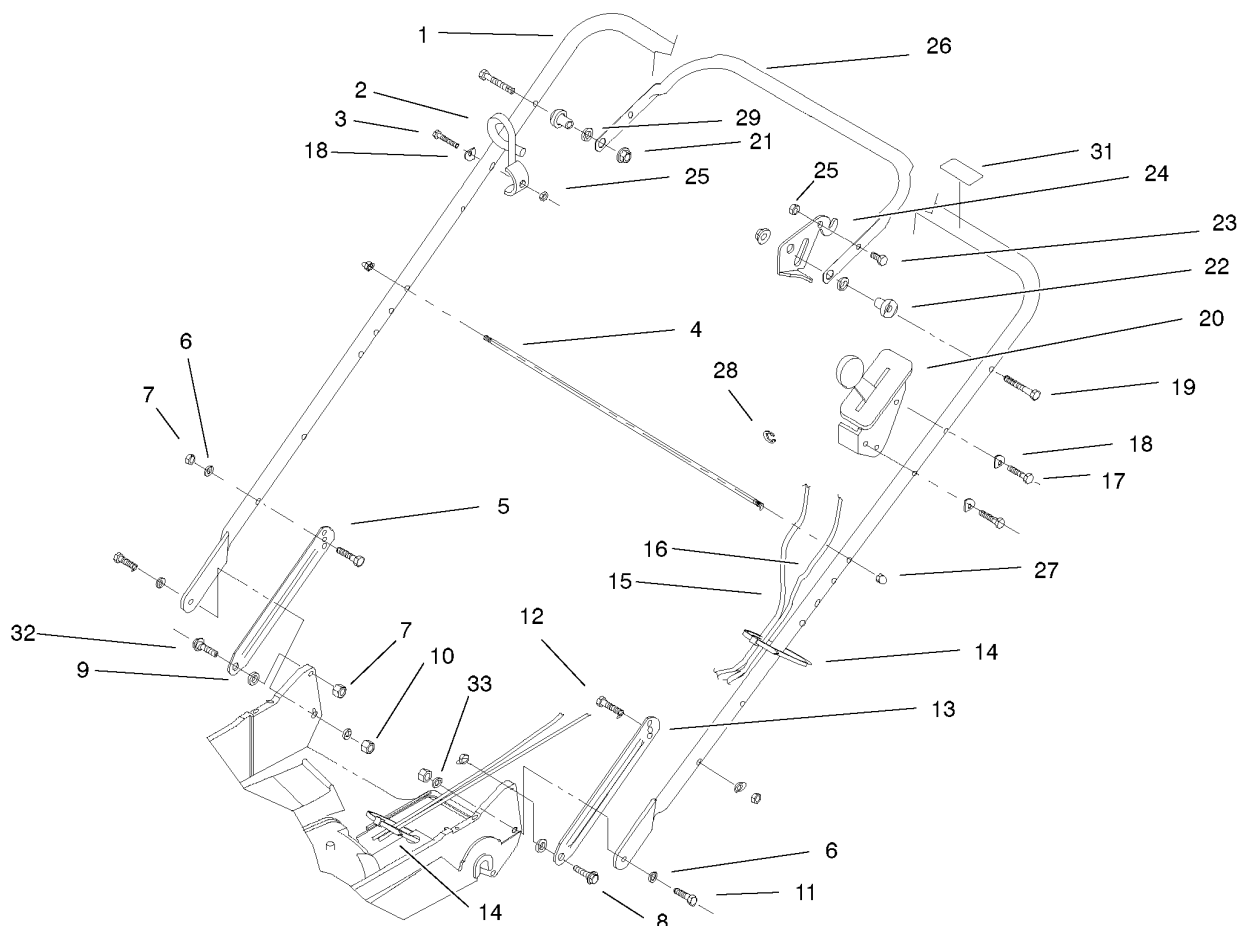
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	55-3575	1	Gas Cap ASM	25	77-0520-03	1	Support-Tank Bracket
2	104-1327	1	Tank-Gas	26	74-2110-03	1	Bracket-Tank
3	3296-42	1	Nut-Lock, NI	27	77-2840	1	Retainer - Fuel Tank
4	84-9160-03	1	Base-Tank	28	104-1334	1	Decal-2 Cyc Recoil
5	46-8091	2	Screw-HWH				
6	71-1260	1	Decal - Proline				
7	66-9300	4	Screw-HF				
8	27-8590	1	Key-Square				
9	52-2190	1	Spacer-Blade Retainer				
10	26-0670	1	Screw-Blade				
11	3253-22	1	Washer-Lock				
12	92-1599-03	1	Stiffener-Blade				
13	91-2256-03	1	Blade-21 Inch				
14	52-2170	1	Retainer-Blade				
15	32144-70	3	Screw-HWHTF				
16	3254-6	3	Washer-Lock, Internal				
17	48-2591	1	Protector-Crankshaft				
18	2412-95	4	Clamp-Fuel Line				
19	68-3633	1	Line-Fuel				
20	62-7600	1	Decal - Fuel				
21	71-9280	1	Filter-Fuel				
22	51-3211	1	Line-Gas				
23	95-1727	2	Screw-Taptite				
24	3290-443	1	Staple				



Engine And Air Filter Assembly

Ref	Part No.	Qty.	Description
1	61-8062	1	Engine ASM
2	81-1280	4	Screw-HHF
3	81-5940	1	Recoil ASM
4	81-0181	1	Sparkplug
5	66-7460	1	Bulb-Primer
6	44-2750	1	Body-Primer
7	44-3172	1	Hose-Primer
8	3256-16	1	Washer-Flat
9	51-2690	1	Screw-HH
10	63-9340	1	Cover-Air Cleaner
11	63-9380	1	Element-Air Cleaner
12	50-7180	2	Nut
13	62-3980	2	Spacer
14	81-0090	1	Gasket-Air Cleaner
15	32144-112	1	Screw-HWH
16	53-4690	1	Stop-Ground Strap
17	66-5370	1	Spring-Compression
18	66-5380	1	Brake Plate ASM
19	84-7820	1	Plate-Brake
20	32144-10	1	Screw-HWH
21	92-9698	1	Screw-Shoulder
22	3290-459	2	Rivet-Plastic
23	77-5260	1	Strap-Insulating
24	60-9010	1	Strap-Ground

Ref	Part No.	Qty.	Description
25	63-9330	1	Body-Air Cleaner



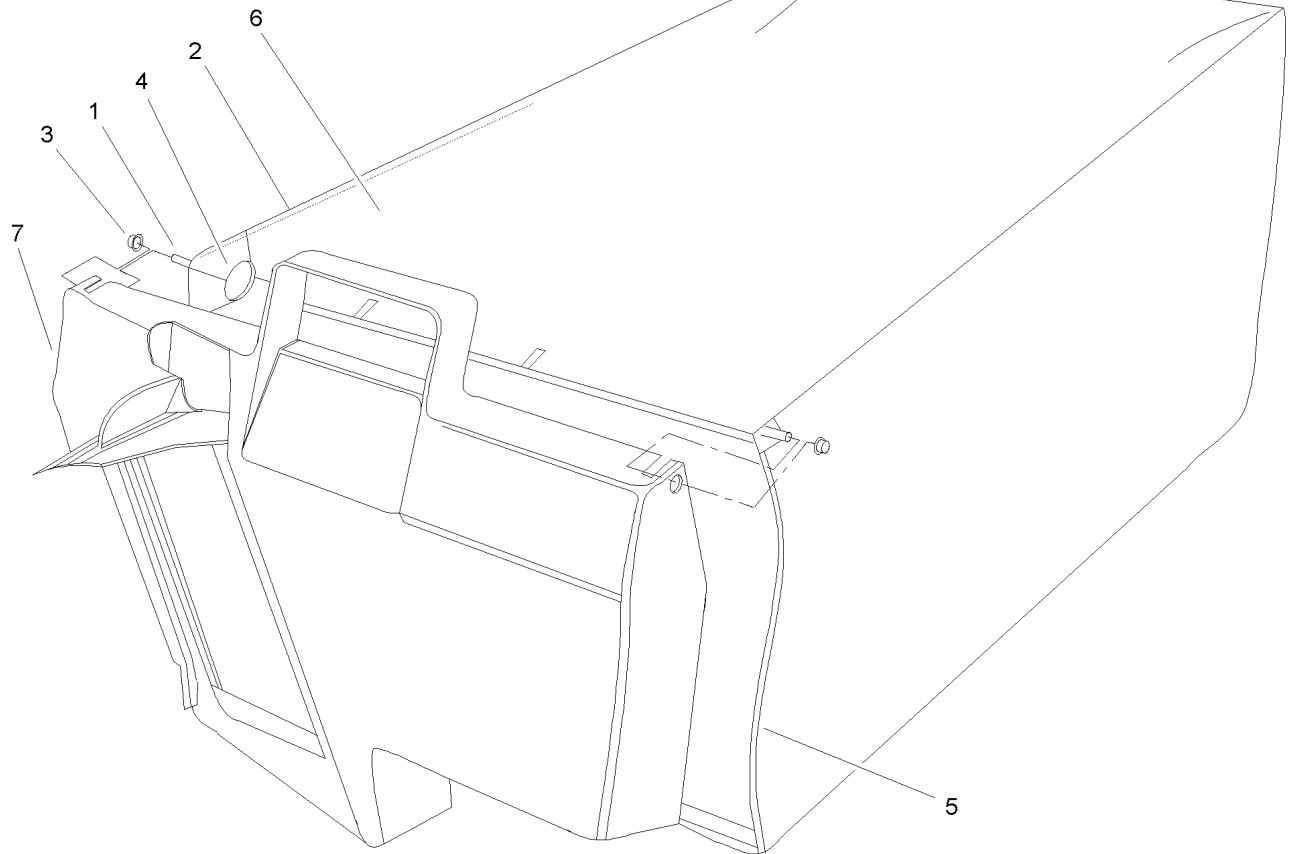
Handle Assembly

Ref	Part No.	Qty.	Description
1	98-2000-03	1	Handle
2	46-8081	1	Guide-Rope
3	321-9	1	Screw-HH
4	48-2810	1	Rod-Support, Bag
5	100-3297-03	1	Latch-Handle, RH
6	3290-456	4	Washer-Belleville
7	3296-29	4	Nut-Lock, NI
8	27-7210	1	Screw-Shoulder
9	3-3287	2	Spacer-Latch, Handle
10	3296-47	2	Nut-Lock, NI
11	322-6	2	Screw-HH
12	322-7	2	Screw-HH
13	100-3298-03	1	Latch-Handle, LH
14	3290-378	1	Tie-Cable
15	85-6871	1	Cable-Brake
16	70-1061	1	Cable-Throttle
17	321-13	2	Screw-HH
18	3-7501	3	Washer
19	322-11	2	Screw-HH
20	82-9950	1	Control-Throttle
21	3296-58	2	Nut-Lock, NI
22	49-1630	2	Spacer-Support
23	321-4	1	Screw-HH
24	66-5350	1	Lever-Control

Ref	Part No.	Qty.	Description
25	3296-42	2	Nut-Lock, NI
26	61-8270-03	1	Bar-Control
27	32111-7	2	Nut-Cap
28	32151-86	2	E-Ring
29	256-276	1	Spacer-Nylon
31	98-4387	1	Decal-Protection, Ear
32	27-7211	1	Screw-Shoulder
33	3256-23	2	Washer-Flat

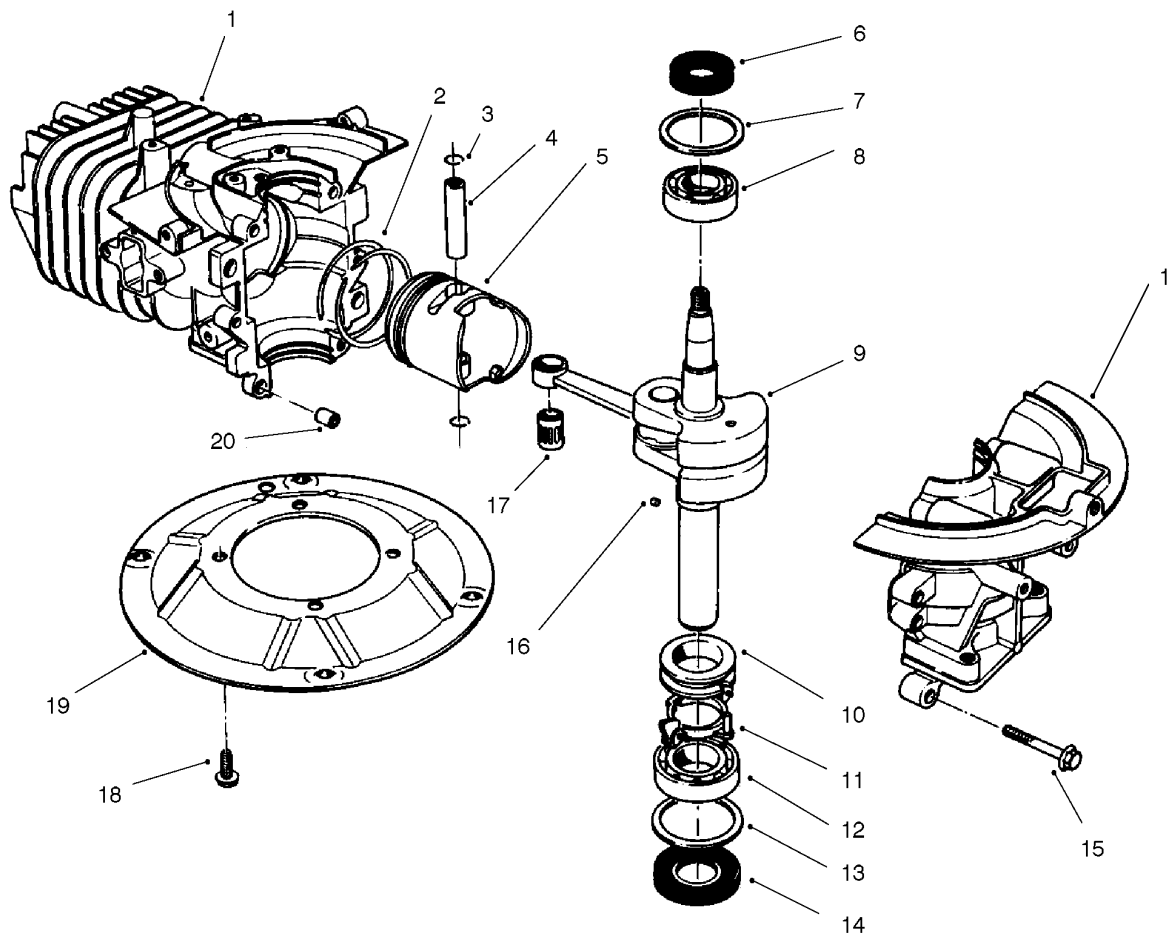
Wheel Assembly No. 53-7720

Ref	Part No.	Qty.	Description				
1	53-7740	1	Tire				
2	53-7780-06	2	Plate-Wheel, Half				
3	321-2	4	Screw-HH				
4	3296-42	4	Nut-Lock, NI				
5		1	Hub And Bearing ASM				
5:1	52-2410	1	Hub-Bearing				
5:2	52-2440	1	Spacer-Bearing				
5:3	52-2450	2	Bearing-Wheel				



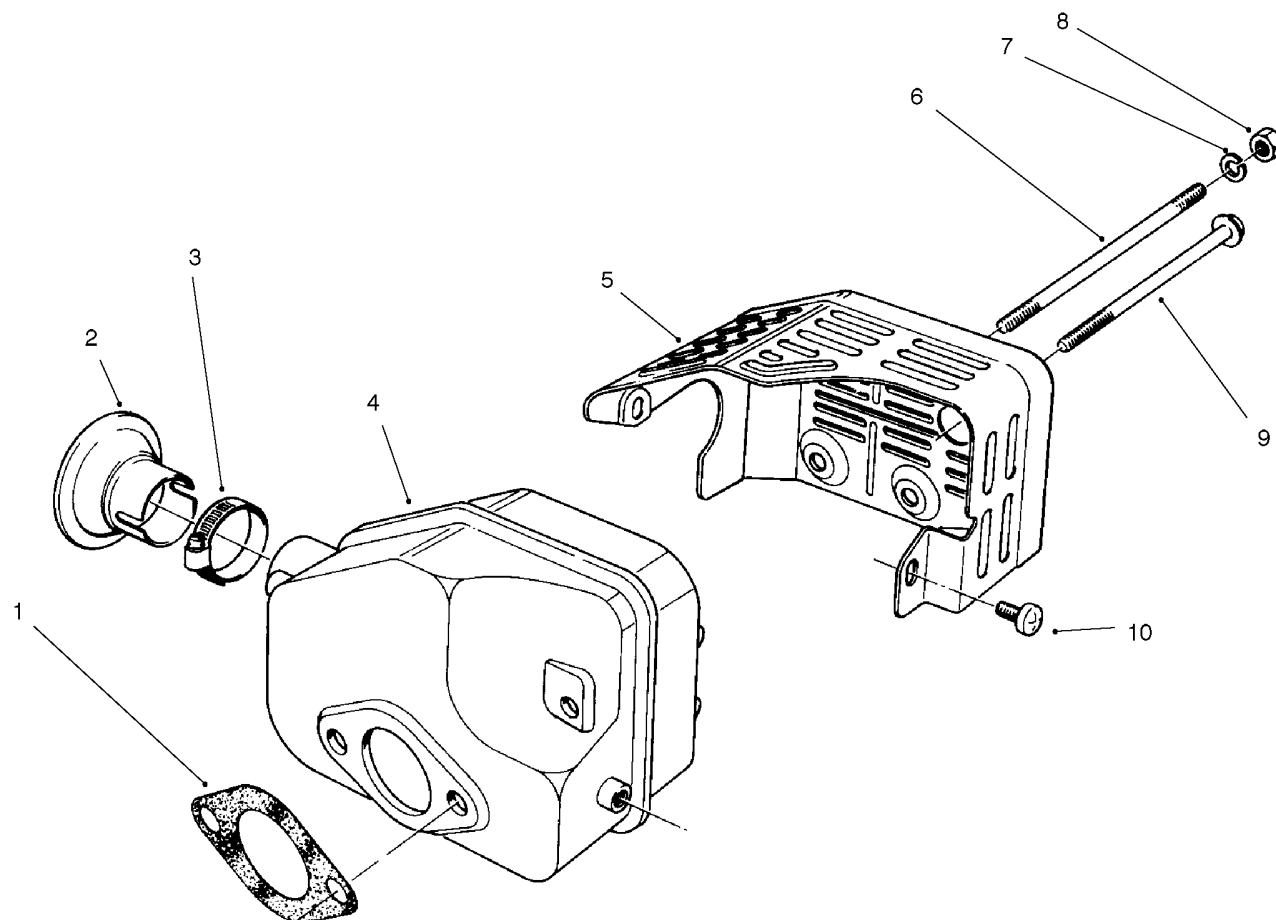
Grass Bag Assembly No. 106-0975

Ref	Part No.	Qty.	Description				
1	33-4820	1	Hinge-Door, Bag				
2	42-4030	1	Frame-Bag, Upper				
3	3290-422	2	Nut-Push				
4	36-6910	2	Spring				
5	42-4020	1	Frame-Bag				
6	106-0926	1	Bag-Grass				
7	48-2840	1	Door-Bag, Grass				



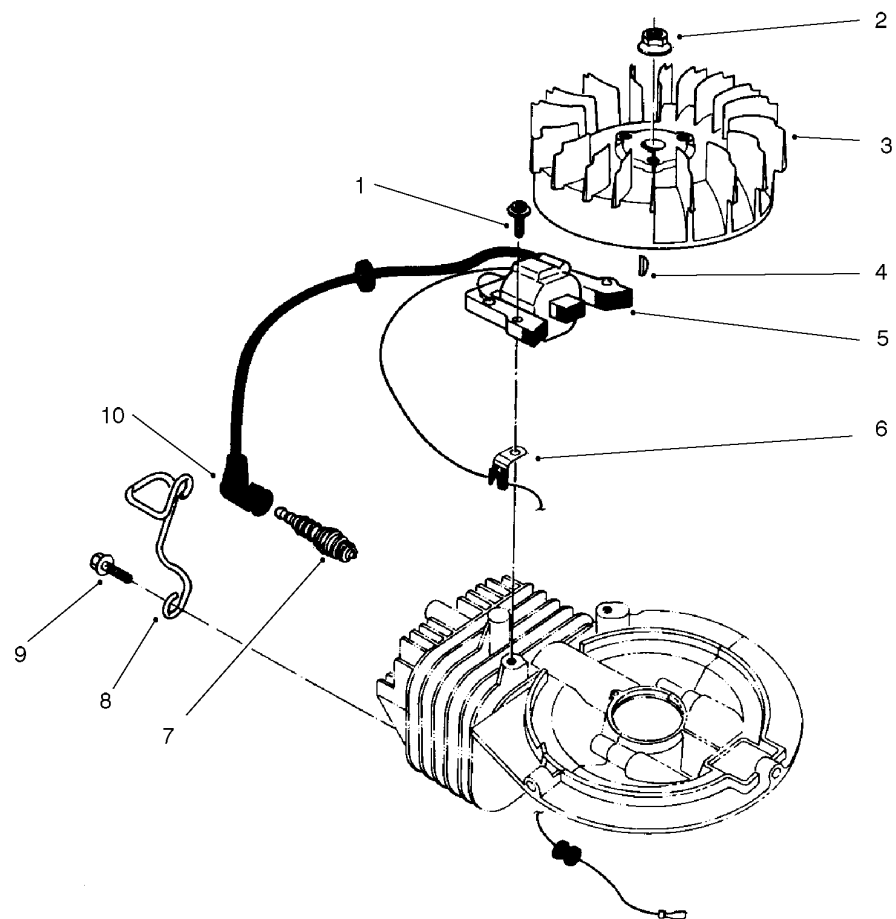
Crankshaft Assembly

Ref	Part No.	Qty.	Description				
1	94-1685	1	Crankcase ASM				
2	81-0590	1	Ring Set				
3	81-0620	2	Clip				
4	81-0600	1	Pin-Piston				
5	81-2140	1	Piston				
6	81-0720	1	Oil Seal				
7	81-0710	1	Washer-Upper				
8	81-0690	1	Bearing-Upper				
9	81-4680	1	Crankshaft				
10	81-0770	1	Spacer				
11	81-0750	1	Bracket				
12	81-0700	1	Lower Brg				
13	81-0730	1	Washer-Lower				
14	81-0740	1	Seal-Oil				
15	81-0540	5	Bolt				
16	81-0760	1	Pin				
17	81-0610	1	Bearing				
18	81-0570	4	Bolt				
19	81-0560	1	Plate-Mounting				
20	81-0520	2	Pin				



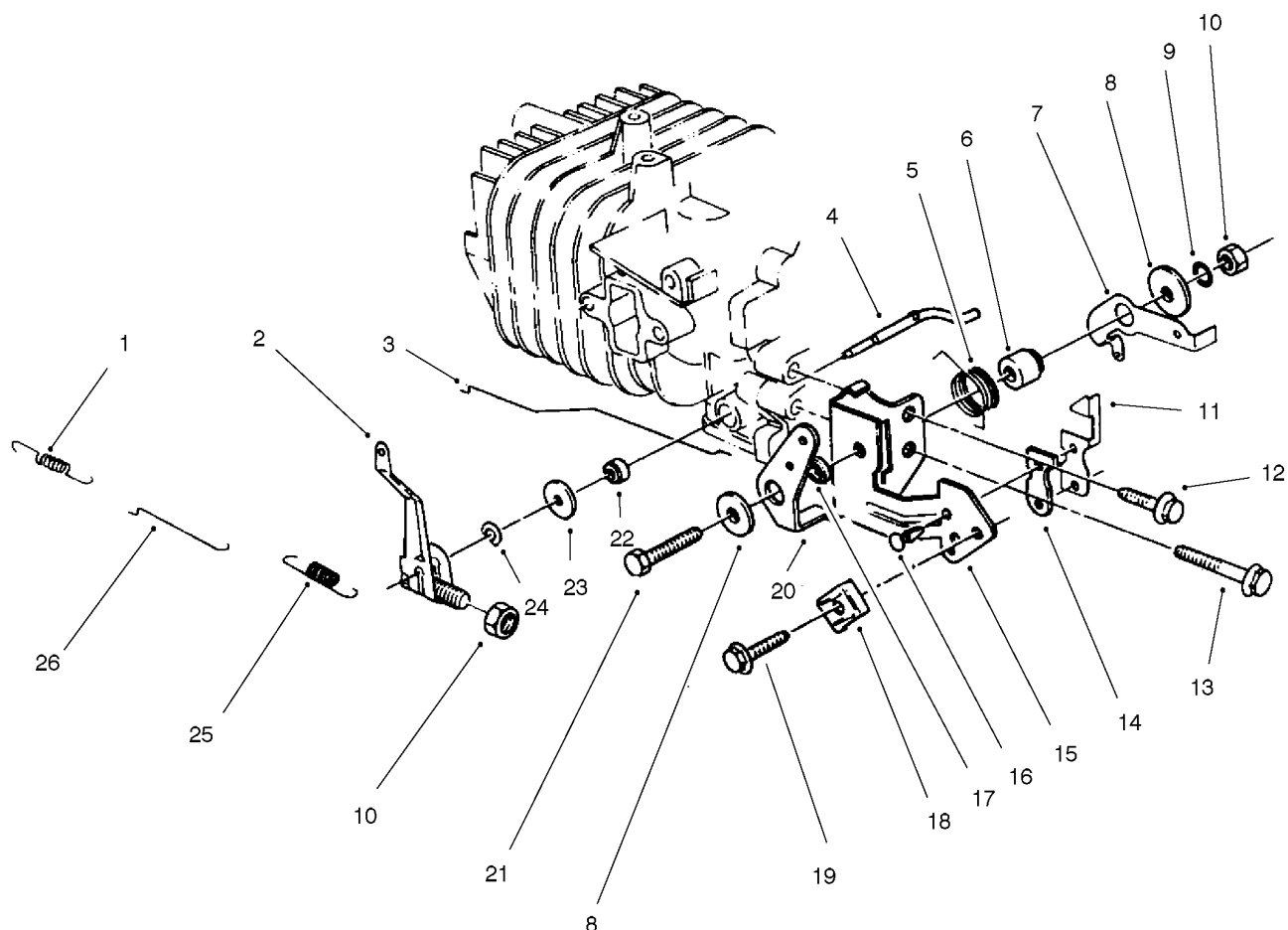
Muffler Assembly

Ref	Part No.	Qty.	Description				
1	81-1080	1	Gasket				
2	81-0200	1	Arrestor-Spark				
4	81-5690	1	Muffler				
5	81-2450	1	Cover-Muffler				
6	81-1100	2	Bolt				
7	81-1120	2	Washer-Lock				
8	81-1110	2	Nut				
9	81-1150	1	Bolt				
10	81-1140	2	Screw				



Ignition Assembly

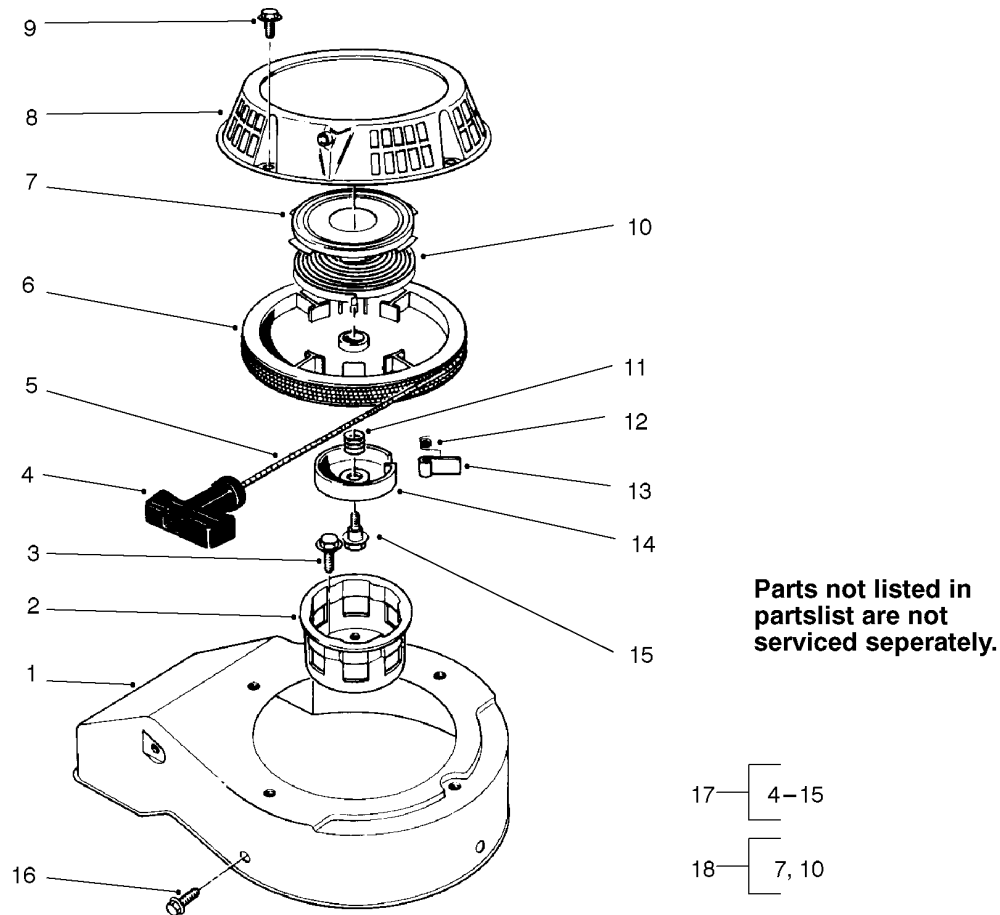
Ref	Part No.	Qty.	Description				
1	81-5680	2	Screw				
2	81-1330	1	Nut				
3	81-2810	1	Flywheel				
4	81-2370	1	Key				
5	81-2820	1	Coil-Magneto				
6	81-1480	1	Clamp				
7	81-0181	1	Sparkplug				
8	81-2120	1	Protector-Plug				
9	81-2350	2	Screw				
10	81-1500	1	Cap-Sparkplug				
11	41-7650	1	Puller-Flywheel				



Governor Assembly

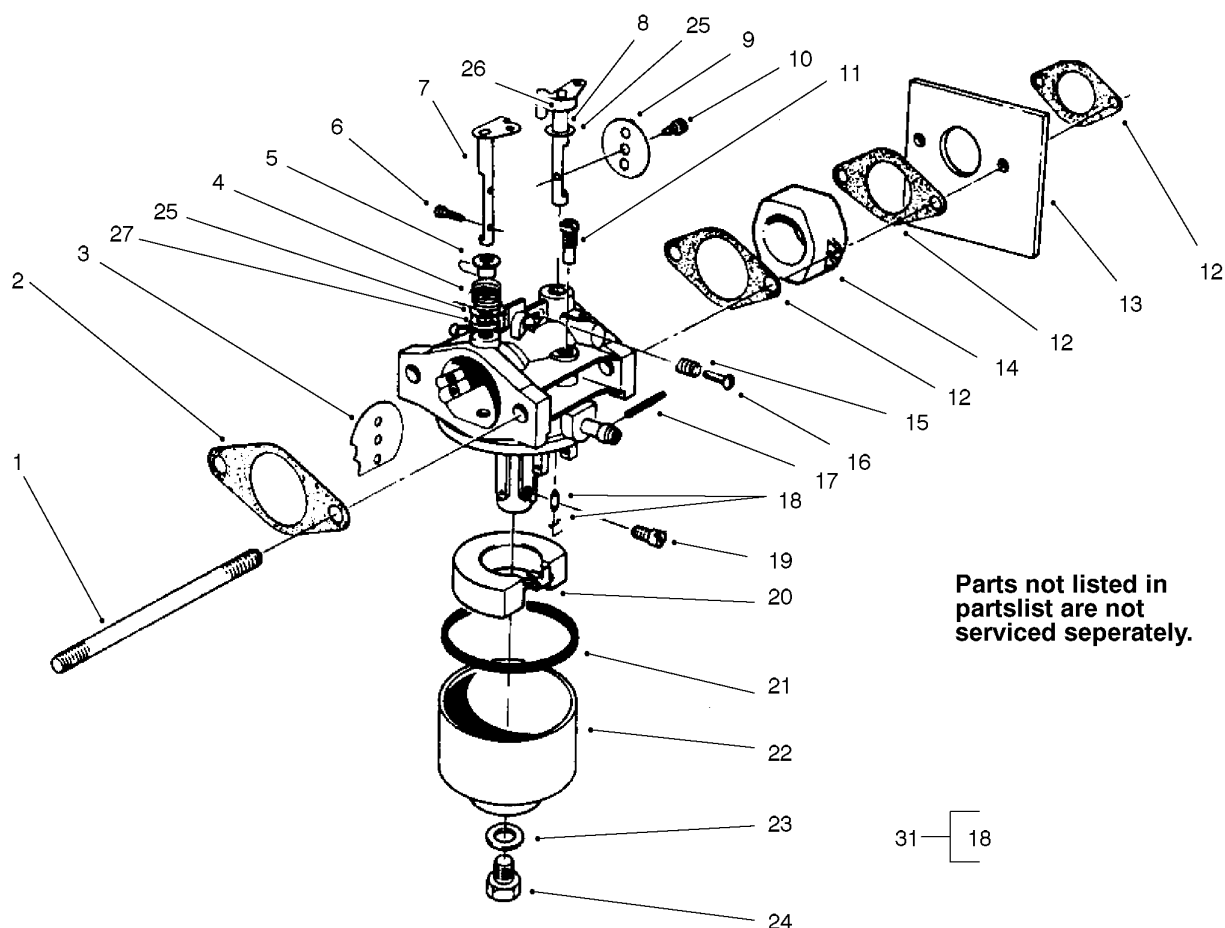
Ref	Part No.	Qty.	Description
1	81-0920	1	Spring
2	81-5420	1	Arm-Governor
3	81-5410	1	Rod-Choke
4	81-2880	1	Shaft
5	81-2460	1	Spring-Choke Lever
6	81-1770	1	Gov Lever Spacer
7	81-2850	1	Lever-Spring, Governor
8	81-1750	2	Washer
9	81-1450	1	Lockwasher
10	81-0900	2	Nut
11	81-1840	1	Terminal-Kill Switch
12	81-1170	1	Bolt
13	81-0540	1	Bolt
14	81-1830	1	Insulator-Kill Switch
15	81-2420	1	Bracket-Throttle, Control
16	81-4530	2	Rivet
17	81-2470	1	Spacer-Choke Lever
18	81-2430	1	Clamp
19	50-0130	1	Bolt
20	81-1710	1	Lever-Control, Choke
21	81-1730	1	Bolt
22	81-0850	1	Seal-Oil
23	81-0860	1	Washer
24	81-0870	1	E-Ring

Ref	Part No.	Qty.	Description
25	81-2830	1	Spring-Governor
26	81-0910	1	Rod-Carburetor



Recoil Assembly

Ref	Part No.	Qty.	Description				
1	81-2080	1	Cover-Cooling Fan				
2	81-2170	1	Pulley-Cup, Starter				
3	81-1300	3	Bolt				
4	81-1630	1	Handle-Recoil				
5	81-1270	1	Rope-Starter				
6	81-1210	1	Reel				
8	81-2100	1	Case-Starter				
9	81-1280	4	Screw-HHF				
11	81-1240	1	Spring				
12	81-1220	1	Spring				
13	81-1230	1	Dog				
14	81-1250	1	Retainer				
15	81-1260	1	Bolt				
16	53-1340	3	Bolt				
17	81-5940	1	Recoil ASM				
18	81-2300	1	Spring				



Carburetor Assembly

Ref	Part No.	Qty.	Description
1	81-5450	2	Stud-Carburetor
2	81-0090	1	Gasket-Air Cleaner
3	81-0240	1	Plate
4	81-0230	1	Spring
5	81-0220	1	Bushing
6	81-2160	2	Screw
7	81-1950	1	Shaft-Choke
8	81-0250	1	Shaft
9	81-0260	1	Plate
10	81-2160	1	Screw
11	94-1684	1	Jet-Pilot
12	81-0780	3	Gasket-Carb
13	81-5490	1	Shield-Carburetor
14	81-5440	1	Insulator-Carburetor
15	81-2580	1	Spring-Pilot Screw
16	50-0250	1	Screw
17	81-2600	1	Pin-Hinge
18	81-4910	1	Needle
19	81-1060	1	Jet-Main
19	81-2340	1	Jet-High Altitude
20	81-0970	1	Float
21	81-1010	1	Gasket
22	81-5660	1	Bowl - Float
23	81-1020	1	Gasket

Ref	Part No.	Qty.	Description
24	81-5670	1	Screw
25	81-2530	2	Seal
26	81-2540	1	Ring
27	81-2550	1	Packing
29	81-2520	1	Carburetor ASM, Complete
30	94-1687	1	Carburetor ASM With Primer
31	81-5810	1	Needle-Seat Set

Attachments and Accessories

For 22031 - ProLine 21in Recycler Mower

Product Name	Model/Part
Side Discharge Kit	59199

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