Form No. 3393-412 Rev D

TORO®

Count on it.

Parts Catalog

Greensmaster® 3420 TriFlex® Traction Unit

Model No. 04540—Serial No. 315000001 and Up

Register at www.Toro.com.
Original Instructions (EN)

CE

3393-412 D

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

HP: high pressure

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

LP: low pressure

LPG: Liquefied Petroleum 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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Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	115-8206	1	ROPS Assembly
1:2	115-8199	1	Decal-ROPS
1:3	115-8226	1	Decal-ROPS
2	325-35	4	Screw-HH
3	117-9023	1	Casting-Side, RH
3:2	94-9609	2	Bushing-Straight
4	99-5107	4	Nut-Lock
5	117-9035	8	Screw-HHF
6	117-9022	1	Casting-Side, LH
6:2	60-0080	2	Bushing

Ref.	Part Number	Qty.	Description
7	117-9051-01	1	Step
8	119-4468-01	1	Plate-Step
9	32104-32	9	Screw-HWH
11	2412-133	2	R-Clamp
12	104-7050	1	Tube-Manual
13	104-7048	1	Cap-Housing
14	302-59	1	Plug-Threaded
17	119-1730	1	Receptacle-Clip, Mini
18	3269-32	2	Rivet-Pop
19	121-5865	1	Clip-Cover, Back

Brake Cable Grommet Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	240-5	1	Grommet
2	98-8529	3	Grommet

Frame Assembly

Ref.	Part Number	Qty.	Description
1	323-14	1	Screw-HH
2	131-1821	1	Mount-Engine
3	119-2134-01	1	Bracket-Mount, Rear
4	323-20	2	Screw-HH
5	322-4	4	Screw-HH
6	121-9076	2	Mount-Engine
7	110-4631	2	Tube-Spacer
8	104-8300	4	Nut-Flange, NI
9	87-5100	3	Washer-Snubbing
10	104-8301	6	Nut-Flange, NI
11	323-7	3	Screw-HH
12	131-6177-01	1	Frame
13	115-8196	1	Decal

Platform Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	117-9009	1	Platform-LH
2	117-9008	1	Platform-RH
3	117-9072	2	Bumper-Rubber
4	115-8240	1	Screw-Elevator
5	32128-20	1	Nut-HF
6	3234-47	3	Screw-HHF
7	117-9035	3	Screw-HHF
8	117-9006-01	1	Support-Platform, LH
9	115-1794	3	Screw-HHF
10	94-8946	1	Washer-Thrust
11	84-1560	1	Washer-Thrust
12	324-4	1	Screw-HH
13	104-8300	4	Nut-Flange, NI
14	322-5	1	Screw-HH

Right Hand Support Platform Assembly

Ref.	Part Number	Qty.	Description
1	117-9019	1	Support-Platform, RH
1:2	256-311	6	Bushing-Split
2	119-1725-01	1	Rod-Traction
3	3256-1	2	Washer-Flat
4	33023-00	2	Nut-Lock
5	33114-016	2	Screw-HH
6	94-1374	1	Trunnion-Bracket, Mow
7	33014-00	1	Nut-Hex
8	94-1375	1	Trunnion-Bracket, Lock
9	94-3489	1	Screw-HH
10	117-9021	1	Bracket-Lock
11	321-9	1	Screw-HH
12	3256-22	1	Washer-Flat
13	33093-00	1	Washer-Flat
14	2411-41	1	Rod End-Ball Joint

Ref.	Part Number	Qty.	Description
15	99-3545	1	Spacer
16	74-9110	1	Pad-Pedal, Reverse
17	125-3011	1	Bracket-Mow
18	3296-56	1	Nut-Lock, NI
19	94-1371	1	Spacer
20	323-42	1	Screw-HH
21	3256-24	1	Washer-Flat
22	104-8301	1	Nut-Flange, NI
23	33115-016	1	Screw-HH
24	94-1300	1	Lock-Neutral
25	94-1386	1	Shaft-Pedal
26	2411-38	1	Joint-Ball
27	74-9100	1	Pad-Pedal, Forward
28	117-9507	1	Pedal-Accelerator
29	32121-45	1	Pin-Spring

Seatbase Assembly

Ref.	Part Number	Qty.	Description
1	117-4440-03	1	Plate-Seat
3	104-7201	2	Nut-Flange, NI
5	104-8300	2	Nut-Flange, NI
6	94-7582	2	Bolt-Shoulder
7	99-6810	2	Screw-HHF
8	66-2630	1	Latch-Seat
9	68-3270	2	Bumper-Rubber
10	104-8301	2	Nut-Flange, NI
25	115-8203	1	Decal-Reference, Fuse (Radiator Fan)
26	115-8170	1	Decal-Service, Spanish
26	115-8171	1	Decal-Service, French
26	115-8172	1	Decal-Service, German
26	115-8173	2	Decal, Service, Swedish

Ref.	Part Number	Qty.	Description
26	115-8174	1	Decal-Service, Italian
26	115-8175	1	Decal-Service, Portuguese
26	115-8176	1	Decal-Service, Norwegian
26	115-8177	1	Decal-Service, Finnish
26	115-8178	1	Decal-Service, Danish
26	115-8179	1	Decal-Service, Dutch
26	115-8180	1	Decal-Service, Japanese
26	119-9343	1	Decal-Aid, Quick Reference
27	115-8156	1	Decal-Speed, Clip
28	117-2718	1	Decal-Arrester, Spark
29	120-5753	1	Strip-Foam
30	3290-379	2	Tie-Cable
31	32180-030	2	Clip-Tie

Steering Arm and Adjuster Assembly

Ref.	Part Number	Qty.	Description
2	3296-33	1	Nut-Lock, NI
3	3256-27	1	Washer-Flat
4	75-0560	1	Steering Wheel ASM
4:1	32144-21	1	Screw
4:2	68-5140	1	Cap-Wheel, Steering
5	3234-42	2	Screw-HHF
6	117-9346-03	1	Mount-Steering
7	3274-39	6	Screw-HSBH
8	3290-277	6	Nut-Speed
10	117-4444-01	1	Arm-Steering
11	325-22	1	Screw-HH
12	99-5107	1	Nut-Lock
13	322-47	1	Screw-HH
14	3256-23	1	Washer-Flat

Ref.	Part Number	Qty.	Description
15	74-9110	1	Pad-Pedal, Reverse
16	117-4457	1	Lever ASM
17	106-9791	1	Spring
18	117-9024	1	Lever-Pivot
19	32120-19	1	E-Ring
20	105-7004	1	E-Ring
21	125-5181	1	Cylinder-Gas
21:1	112-8617	1	Nut-Hex
22	117-9002	1	Spacer
23	119-9300	1	Cover-Valve, Steering
25	119-9346	1	Decal-Arm, Steering
26	121-2640	1	Decal-Danger, Ce
26	121-2641	1	Decal-Danger

Brake Cable and Lever Assembly

Ref.	Part Number	Qty.	Description
1	131-3003	1	Lever-Release
2	131-3024	1	Lever-Brake, Hand
3	131-3025	1	LH Cover ASM
3:2	119-1728	1	Stud-1/4 Turn
3:3	119-1729	1	Retainer-Stud
3:4	92-5972	2	Grommet-Rubber
4	32121-24	1	Pin-Spring
5	131-3101	1	Cover-Side, RH
6	104-8310	2	Ring-Retaining
7	109-6887	2	Pin-Clevis
8	131-3004	1	Cable
9	115-5103	3	Screw-HHF
10	321-2	1	Screw-HH
11	3256-67	1	Washer-Flat
12	32120-47	2	Ring-Retaining, External
13	115-5300	1	Proximity Switch ASM
13:1	117-3207	2	Nut-Hex
13:2	117-3208	2	Washer-Lock, Internal Tooth
14	323-12	2	Screw-HH
15	131-3017	2	Spacer

Ref.	Part Number	Qty.	Description
16	115-5787	1	Bracket-Brake Cable, RH
17	131-1833	1	Cable-Brake, RH
18	3296-59	2	Nut-Lock, NI
19	114-9997	1	Bracket-Brake Cable, LH
20	131-1834	1	Cable-Brake, LH
21	131-3065	1	Equalizer-Cable
22	32104-32	4	Screw-HWH
23	107069	3	Clip
24	701197	2	E-Ring
25	131-3021	1	Pin
26	32120-46	1	Ring-Retaining
27	3290-379	1	Tie-Cable
28	119-7580	1	Decal-Energy Smart
29	1-653600	4	Bushing
30	131-3058	1	Pawl-Brake
31	131-3020	1	Spring-Torsion
32	3296-2	1	Nut-Lock, NI
33	3290-126	1	Screw-HWH
34	81-1690	1	Clamp-Cable
35	95-6427	1	Spacer-Bearing

Back Wheel Assembly

Ref.	Part Number	Qty.	Description
1	115-2657	1	Spindle-Steering
2	3234-38	2	Screw-HHF
3	117-4366-01	1	Base-Fork, Rear
4		1	Wheel And Tire ASM ●
4:1	120-2783	1	Tire
4:2	217-60	1	Rim
4:3	232-27	1	Stem-Valve
5	119-4490	1	Wheel Spindle ASM
5:1	242-50	4	Nut-Lug
5:2	241-119	1	Cap-Dust
5:3	112-7173	1	Spindle
5:4	112-1690	1	Seal-Oil
5:5	117-9093	1	Hub ASM
5:5:2	254-72	2	Bearing-Cup, Tapered
5:5:3	114-3918	4	Stud-Wheel
5:6	254-92	2	Cone-Bearing, Outer
5:7	117-8260	1	Nut

Ref.	Part Number	Qty.	Description
5:8	117-8259	1	Washer-Spindle
5:9	3272-18	1	Pin-Cotter
5:10	93-0307	1	Nut-Lock, Retainer
6	115-9471	2	Bearing-Cup
7	115-9472	2	Bearing-Cone And Seal
8	99-5107	4	Nut-Lock
9	3272-37	1	Pin-Cotter
10	18-6320	1	Washer-Steering
11	32136-9	1	Nut-Hex, Slotted
12	325-12	2	Screw-HH
13	117-9875	2	Joint-Ball
14	3234-22	2	Screw-HHF
15	32151-104	2	Ring-Retaining, External
16	3220-6	4	Nut-Jam
17	325-8	2	Screw-HH
18	117-4480	1	HYD Cylinder ASM
19	120-2026	1	Spacer-Cylinder

● Not serviced separately

Hydraulic Cylinder Assembly No. 117-4480

Ref.	*Part Number*	*Qty.*	*Description*
1	119-7124	1	Kit-Seal
1:1		2	O-Ring ●
1:2		2	Ring-Backup ●
1:3		1	Seal-Psp ●
1:4		2	Ring-Wear ●
1:5		2	Seal-Bs ●
1:6		2	Seal-Dust ●
1:7		1	O-Ring ●

● Not serviced separately

Front Wheel Assembly

Ref.	Part Number	Qty.	Description
1		2	Wheel And Tire ASM ●
1:1	120-2783	1	Tire
1:2	117-9032	1	Rim
1:3	232-27	1	Stem-Valve
2	115-2661	2	Brake Drum ASM
2:1	115-2662-03	1	Hub-Wheel
2:2	115-2663	1	Drum-Brake
2:3	85-6540	4	Stud-Drive
3	114-9998-03	2	Tab-Lever, Brake

Ref.	Part Number	Qty.	Description
4	115-9441	1	RH Brake ASM
5	115-9440	1	LH Brake ASM
6	322-2	8	Screw-HH
7	26-3790	2	Nut-Lock
8	325-7	8	Screw-HH
9	242-50	8	Nut-Lug
10	117-4302	1	RH Wheel Motor ASM
11	117-4303	1	LH Wheel Motor ASM
12	3257-42	1	Key-Woodruff

● Not serviced separately

Right Hand Brake Assembly No. 115-9441

Ref.	*Part Number*	*Qty.*	*Description*
1	119-7136	1	Kit-Brake
1:1		2	Shoe-Brake ●
1:2		2	Spring ●
1:3		2	Clip ●
1:4		2	Pin-Retainer ●
2	115-5789	1	Lever-Brake, RH

● Not serviced separately

Left Hand Brake Assembly No. 115-9440

Ref.	*Part Number*	*Qty.*	*Description*
1	119-7136	1	Kit-Brake
1:1		2	Shoe-Brake ●
1:2		2	Spring ●
1:3		2	Clip ●
1:4		2	Pin-Retainer ●
2	115-2664	1	Lever-Brake, LH

● Not serviced separately

Right Hand Wheel Motor Assembly No. 117-4302

Ref.	*Part Number*	*Qty.*	*Description*
1	94-8178	1	Seal Kit
1:1		1	Seal-Dirt And Water ●
1:2		1	Backup-Ring ●
1:3		1	Seal-Shaft ●
1:4		1	Washer-Backup ●
1:5		5	Seal-Square, Ring (Inner) ●
1:6		1	Seal-Commutator ●
2	3257-42	1	Key-Woodruff

● Not serviced separately

Left Hand Wheel Motor Assembly No. 117-4303

Ref.	*Part Number*	*Qty.*	*Description*
1	94-8178	1	Seal Kit
1:1		1	Seal-Dirt And Water ●
1:2		1	Backup-Ring ●
1:3		1	Seal-Shaft ●
1:4		1	Washer-Backup ●
1:5		5	Seal-Square, Ring (Inner) ●
1:6		1	Seal-Commutator ●
2	3257-42	1	Key-Woodruff

● Not serviced separately

Console and Reel Control Assembly

Ref.	Part Number	Qty.	Description
1	120-2048-03	1	Console
2	121-5152	1	Cover-Console
3	106-4167	1	Joystick Bracket ASM
3:1	115-5357-03	1	Bracket-Joystick
3:2	106-4192	1	Spacer
3:3	93-5547	2	Bushing-Nylon
3:4	105-7507	1	Hub-Pivot, Joystick
3:5	105-8289	1	Spring-Torsion
3:6	106-4193	2	Washer-Finger, Spring
3:7	322-9	1	Screw-HH
3:8	3296-29	1	Nut-Lock, NI
3:9	3290-354	2	Nut-Speed
3:10	108-6496	2	Switch (W/Boot)

Ref.	Part Number	Qty.	Description
3:11	95-3003	4	Screw-PPHTF
3:12	3256-3	1	Washer-Flat
4	108-7602	1	Rest-Arm
5	120-9752	1	Knob-Round, Yellow
6	93-5961	1	Boot-Lever
7	121-6681	1	Stem-Joystick
8	3218-3	1	Nut-Jam
9	3290-321	2	Screw-HWH
10	121-5169	1	Decal-Console
11	3296-12	2	Nut-Lock, NI
12	115-9830	8	Screw-HSBH
13	104-8300	4	Nut-Flange, NI
14	3230-3	2	Screw-CARR

Traction Interface Control Assembly

Ref.	Part Number	Qty.	Description
1	115-9774-03	1	Bracket-Function, Lever
2	94-1378	1	Tube-Pivot, Handle
3	115-9772	1	Handle ASM
4	256-311	1	Bushing-Split
5	33115-040	1	Screw-HH
6	3256-24	1	Washer-Flat
7	33025-00	1	Nut-Lock, NI
8	120-3198	1	Roller-Pivot
9	94-9619	1	Bushing
10	3256-23	1	Washer-Flat
11	94-9618	1	Spacer-Spring
12	94-9620	1	Spring-Torsion
13	3256-67	1	Washer-Flat
14	33023-00	1	Nut-Lock
15	75-5470	2	Spacer-Bearing
16	251-259	1	Bearing-Ball

Ref.	Part Number	Qty.	Description
17	33024-00	1	Nut-Lock, NI
18	94-9617	1	Pin-Spring
19	2411-38	1	Joint-Ball
20	115-8247	1	Cable-Lock, Neutral
21	3296-27	1	Nut-Lock, NI
22	93-2279	1	Clamp-Cable
23	115-5300	2	Proximity Switch ASM
23:1	117-3207	2	Nut-Hex
23:2	117-3208	2	Washer-Lock, Internal Tooth
24	120-9753	1	Knob-Cylindrical, Orange
26	99-6810	2	Screw-HHF
27	3290-321	2	Screw-HWH
28	3296-12	2	Nut-Lock, NI
29	107069	2	Clip
31	125-5653	1	Shim
32	99-7420	1	Plug-Hole

Ignition, Throttle and Choke Control Assembly

Ref.	Part Number	Qty.	Description
1	125-3013	1	Bracket-Throttle
2	125-3014	1	Lever-Throttle
3	3290-321	2	Screw-HWH
4	3296-12	2	Nut-Lock, NI
5	131-2046	1	Decal-Light, Console
6	121-5159	1	Ignition Switch ASM
6:2	121-5160	1	Nut-Hex
6:3	121-5161	1	Nut-Face
6:4	121-5162	1	Ignition Key Set
7	121-5171	1	Decal-Console
8	125-3017	1	Cable-Throttle

Ref.	Part Number	Qty.	Description
9	99-7420	1	Plug-Hole
14	104-9368	1	Plug-Dome
17	120-9751	1	Knob-Oval, Black
18	120-6310	1	Lcd Display ASM
18:1	120-4630	1	Nut-Display
18:2	120-6311	1	Decal-Display
19	125-3015	1	Bracket-Clamp, Cable
20	104-7201	1	Nut-Flange, NI
21	66-2921	2	Washer-Friction
22	321-5	1	Screw-HH

Console Cable Routing Assembly

Ref.	Part Number	Qty.	Description
5	3290-379	4	Tie-Cable
6	120-1959	1	Clamp-R, Double

Engine and Exhaust Assembly

Ref.	Part Number	Qty.	Description
1	127-9655	1	Engine-Kubota, D902
2	33103-035	2	Screw-HHF
3	119-4428-03	1	Bracket-Alternator
4	119-4486	1	Belt-V, Fan
5	117-5541	1	60 Amp Alternator ASM
6	33104-020	1	Screw-HHF
7	110-9044	1	Separator-Filter
7:1	110-9049	1	Filter-Spin On
8	353-707	2	Fitting-HYD, 90 DEG
9	3234-47	2	Screw-HHF
10	104-8300	5	Nut-Flange, NI
11	3290-134	1	Screw
12	613385	1	Clamp-Cable
13	119-2128-03	1	Support-Engine
14	42-9600	6	Washer-Lock, Spring
15	115-9469	1	Clamp-R
16	104-6478	4	Spring-Extension
17	115-8718-03	1	Shield-Muffler
18	120-1950	1	Muffler ASM
19	323-5	4	Screw-HH
20	100-4852	8	Washer-Hardened

Ref.	Part Number	Qty.	Description
21	119-4478	1	Sender-Temperature
22	43-0090	4	Screw-HH
23	1-633630	1	Grommet
24	237-124	2	Grommet
25	353-783	1	Fitting-Straight
26	3296-2	1	Nut-Lock, NI
28	119-8194	1	Screw-HH
29	114-8009	1	Exhaust Plate ASM
30	114-8013	1	Exhaust Pipe ASM
31	32152-2	4	Nut-Lock, Cone
33	108-5928	1	Swivel-Stop, Cable
34	120-1956-03	1	Tube-Brace
35	104-8301	1	Nut-Flange, NI
36	3234-42	1	Screw-HHF
37	3255-8	1	Washer-Lock
38	3234-29	2	Screw-HHF
40	120-1961-03	1	Tube-Brace
41	99-8343	1	Gasket-Muffler
44	119-8182-03	1	Bracket-Alternator
45	120-1964-03	1	Bracket-Harness
46	125-3016	1	Bracket-Support, Throttle

Engine and Exhaust Assembly (continued)

Ref.	Part Number	Qty.	Description
47	3256-23	1	Washer-Flat
48	33004-00	1	Nut-HF
49	3256-2	1	Washer-Flat
50	33105-035	1	Screw-HHF
51	322-6	1	Screw-HH
52	33013-00	1	Nut-Hex
53	63-7790	2	Screw-Cap

Radiator, Fuel Pump and Air Cleaner Assembly

Ref.	Part Number	Qty.	Description
1	117-9307-03	1	Panel-Seal, Radiator
2	117-9296	1	Shroud-Radiator
3	117-9308	1	Trim-Seal
4	115-5765	1	Fan
5	120-5260	1	Tank-Overflow
6	1-643164	1	Cap-Tank, Overflow
7	131-2099-03	1	Bracket
8	95-5806	1	Bracket-Mounting
9	95-5805	1	Air Cleaner ASM
10	120-4848	1	Hood-Inlet, Air
11	322-4	2	Screw-HH
12	104-8300	4	Nut-Flange, NI
13	3256-23	2	Washer-Flat
14	322-6	2	Screw-HH
15	117-9311-03	1	Screen
16	99-6810	13	Screw-HHF
17	110-8451	4	Nut-Hex, NI
18	33103-020	4	Screw-HHF
19	3234-33	2	Screw-HHF
20	104-7201	13	Nut-Flange, NI
21	119-9038	1	Shroud ASM

Ref.	Part Number	Qty.	Description
21:2	32117-2	1	Insert-Threaded
22	353-783	1	Fitting-Straight
23	110-8817	1	Bracket-Pump, Fuel
24	110-8806	1	Pump-Fuel
25	321-7	1	Screw-HH
26	1-633630	1	Grommet
28	2412-87	2	Clamp-Cable
29	117-9860	1	Radiator
29:1	115-7766	1	Cap-Radiator
29:1:1	106-6755	1	Decal-Cap, Radiator
30	119-9037	1	Clamp-R
31	119-1730	2	Receptacle-Clip, Mini
32	119-1729	2	Retainer-Stud
33	120-1957	2	Stud-Rapier
34	107069	8	Clip
35	3256-22	4	Washer-Flat
36	321-3	4	Screw-HH
37	237-124	1	Grommet
38	115-8155	1	Decal-Warning
39	2412-134	1	Clamp-R
40	2412-92	1	Clamp-Hose

Air Cleaner Assembly No. 95-5805

Ref.	*Part Number*	*Qty.*	*Description*
2	108-3811	1	Filter-Air
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe

Radiator, Air Hose and Fuel Line Assembly

Ref.	Part Number	Qty.	Description
1	117-9268	1	Hose-Radiator, Lower
2	117-9261	1	Hose-Radiator, Upper
3	117-4481	1	Hose-Air
4	2412-92	2	Clamp-Hose
5	2412-34	4	Clamp-Hose
6	110-4113	1	Hose-Fuel
7	2412-108	5	Clamp-Worm
8	92-2379	6	Clamp-Hose
9	2412-146	3	Clamp-Hose

Ref.	Part Number	Qty.	Description
10	119-6074	1	Hose-Fuel
11	119-8150	1	Hose-Fuel
12	240-4	1	Grommet-Rubber
13	119-8136	1	Hose-Fuel
14	110-4109	2	Hose-Fuel
15	110-6187	1	Hose-Fuel
17	119-3517	1	Hose-Fuel
18	120-1996	1	Splicer-Hose, Barbed
19	2412-80	1	Clamp-Hose

Generator and Engine Frame Assembly

Ref.	Part Number	Qty.	Description
1	117-8185	1	Generator/Controller ASM
2	10-7070	1	Key-Square
3	117-9295	1	Pulley-Generator
4	3241-7	2	Screw-SQH
5	117-9293-03	1	Plate-Generator
6	114-4681	5	Screw-HHF
7	74-1810	2	Washer
8	117-9342	1	Spring-Torsion
9	117-9294	1	Idler Bracket ASM
9:2	99-3631	2	Bushing-Flange
10	32151-36	1	Ring-Retaining
11	302-5	1	Fitting-Grease
12	117-4464	1	Belt-V
13	109-6658	1	Nut-Flange, NI
14	120-5766	1	Pulley ASM
15	33104-070	5	Screw-HHF
16	119-4454	1	Bell Housing ASM

Ref.	Part Number	Qty.	Description
16:2	87-1910	2	Pin-Dowel
17	104-8301	5	Nut-Flange, NI
18	117-4458	1	Pulley-Engine, Diesel
19	99-5107	2	Nut-Lock
20	115-8727	1	Flange-Coupling
21	119-2131-03	1	Mount-Rear, Engine
22	87-7270	2	Washer-Thrust
23	325-11	2	Screw-HH
24	3234-42	6	Screw-HHF
25	63-8410	1	Washer
26	33104-030	5	Screw-HHF
27	3211-9	1	Screw-HH
29	117-4504-03	1	Guard
30	120-5757	2	Washer-Flange
31	323-11	1	Screw-HH
32	120-2009	1	Spacer-Pulley, Idler

Generator/Controller Assembly No. 117-8185

Ref.	Part Number	Qty.	Description
1	117-8181	1	Controller ASM
1:31	120-4654	3	Screw-HHF
2	117-8182	1	Generator ASM
5	119-1065	6	Screw-HWH
6	119-1138	2	Screw-HWH
7	120-4511	1	Cover-Access
8	120-4513	1	Gasket-Cover, Access
9	3256-23	2	Washer-Flat
10	104-8300	2	Nut-Flange, NI

Ref.	Part Number	Qty.	Description
11	322-38	2	Screw-HH
12	353-989	1	Plug-Hex, Hollow
12:1	237-42	1	O-Ring
13	115-3299	1	Seal-Flocked
14	117-8147	1	Washer-Wave
15	119-7568	2	Screw-HSBH
16	121-7130	1	Ring-Retaining, EXT
17	117-8176	1	O-Ring

Generator Assembly No. 117-8182

Ref.	*Part Number*	*Qty.*	*Description*
1	119-1069	1	Generator Service ASM
2	112-5193	1	Key-Woodruff
3	117-8184	1	Fan-Generator
4	112-9604	1	Collar
5	33104-025	1	Screw-HHF
7	121-7082	1	Cover-Generator
8	120-4582	1	Screen-Fan
9	120-4564	4	Screw-Bhcs
10	120-4563	4	Washer-Flat
11	353-989	1	Plug-Hex, Hollow
11:1	237-42	1	O-Ring

Generator Service Assembly No. 119-1069

Ref.	*Part Number*	*Qty.*	*Description*
2	119-7565	1	Rotor ASM
2:1	120-4621	1	Bearing
2:3	120-4622	1	Bearing
6	117-8148	1	Washer-Wave
7	117-4514	1	Cover-Generator
8	33104-025	6	Screw-HHF
9	120-4518	1	Gasket-Isolator
10	112-5155	1	Isolator-Thermal
11	117-4501	2	Spacer-Shoulder
17	107-3244	1	O-Ring
18	117-8177	1	O-Ring
19	112-5199	1	O-Ring

Fuel and Hydraulic Tank Assembly

Ref.	Part Number	Qty.	Description
1	121-9572	1	Fuel Tank ASM
1:1		1	Tank Fuel, Diesel ●
1:2	114-4677	1	Bulkhead ASM
1:3	114-4679	1	Fitting-Shut Off, Fuel
1:5	121-5174	1	Cap-Fuel, Diesel
1:6	114-0284	1	Grommet
1:7	119-3547	1	Valve-Vent, Fuel
1:8	3256-1	1	Washer-Flat
1:9	321-2	1	Screw-HH
1:10	46-6560	1	Bushing
1:11	104-5228	1	Fitting-Elbow, 90 DEG
2	115-9849-03	1	Plate-Mount, Tank
3	115-9823	1	Tank-Hydraulic
4	115-9837	1	Cover-Tank
5	115-9793	1	Breather
6	115-9825	4	Spacer-Tube, Long
7	322-29	4	Screw-HH
8	83-1470	4	Washer-Neoprene

Ref.	Part Number	Qty.	Description
9	3256-71	4	Washer-Flat
10	110-3998	1	Hose-Overflow
11	2412-141	2	Clamp-Drive, Worm
12	240-11	8	Bushing-Flange
13	63-8410	8	Washer
14	323-6	8	Screw-HH
20	107069	2	Clip
21	99-6810	4	Screw-HHF
22	105-0204	1	Strainer Fitting ASM
22:1	237-146	1	O-Ring
23	353-988	1	Plug-Hex
23:1	237-79	1	O-Ring
25	340-18	1	Fitting-HYD, 90 DEG
25:1	237-79	1	O-Ring
25:2	237-22	1	O-Ring
27	353-551	2	Plug-HH
27:1	237-80	1	O-Ring

● Not serviced separately

Controller Assembly

Ref.	Part Number	Qty.	Description
5	104-7201	6	Nut-Flange, NI
9	115-1900	1	Controller
10	119-2097-01	1	Bracket-Relay
11	119-2099-01	1	Plate-Mounting, Controller
12	119-2119-01	1	Bracket-Block, Fuse
14	3234-21	4	Screw-HHF
15	3234-47	4	Screw-HHF
19	321-3	2	Screw-HH
25	3296-2	4	Nut-Lock, NI
26	32105-13	4	Screw-HWH
29	104-8300	4	Nut-Flange, NI
31	115-8227	1	Decal-Controller
32	85-4750	1	Box-Display, Diagnostic

Battery Assembly

Ref.	Part Number	Qty.	Description
1	66-2490	1	Retainer-Battery
2	112-6349	3	Screw-HWH
3	99-7430	1	Relay
4	99-7435	3	Relay-Power
5	32149-8	3	Nut-Keps
6	104-8301	1	Nut-Flange, NI
7	104-9979	1	Battery-Dry
8	114-5502	1	Clip-Fuse
9	323-10	1	Screw-HH
10	3256-24	1	Washer-Flat

Wire Harness Assembly

Ref.	Part Number	Qty.	Description
1	122-0248	1	Harness-Wire
1:2	94-6710	1	Fuse-2 Amp
1:3	218-578	4	Fuse-Blade, 10 Amp
1:4	109355	2	Fuse-Blade, 15 Amp
1:5	114241	1	Fuse-Blade, 7.5 Amp
1:6	100-4918	1	Diode-Over Molded ●
1:7	104-4022	1	Resistor-75 Ohm
1:8	94-8002	1	Fuse-Blade, 50 Amp
2	114-9747	1	Cable-Battery, Positive
3	115-8135	1	Cable-Battery, Negative
4	99-3441	1	Harness-Wire, Fusible Link

● Not illustrated

Pump Coupling Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	121-9558	1	HYD Pump ASM
2	323-7	2	Screw-HH
3	100-4852	2	Washer-Hardened
7	115-8726	1	Hub-Taper
8	3211-6	1	Screw-HH
14	125-3010	1	Spacer-Step

Hydraulic Pump Assembly No. 121-9558

Ref.	Part Number	Qty.	Description
1	119-7148	1	Shaft-Drive, Tapered
2	121-9574	1	Endcover ASM
3	100-3176	1	Housing ASM
3:1	94-6363	1	Bearing
4	76-6070	1	Rotating Kit
5	104-4888	1	Swashplate
6	33-3720	1	Washer
7	32151-13	1	Ring-Retaining
8	32151-29	2	Ring-Retaining
9	252-66	1	Bearing-Thrust
10	252-71	2	Washer-Thrust
11	104-4861	1	Seal-Shaft
12	33-4930	1	Gasket-Housing
13	98-4635	1	Insert-Plate, Cam
14	105-9762	6	Washer
16	76-6190	1	Seal-Shaft
17	98-4640	6	Screw-Cap
20	120-1989	1	Relief Valve ASM

Ref.	Part Number	Qty.	Description
21	120-1989	1	Relief Valve ASM
22	98-4639	2	Bearing-Cone
23	98-4645	1	Plate-Cover
24	98-4644	1	Plate-Cover
26	76-6150	2	Pin-Dowel
27	76-6160	2	Capscrew
28	76-6170	2	Capscrew
29	120-5751	1	Key
30	94-3646	1	Key
37	74-9040	1	Coupler
39	104-4046	2	Bearing-Cup
40	100-3182	1	Shim Kit
41	100-3179	2	O-Ring
48	100-3180	1	Plate-Valve
50	74-9280	1	Plug ASM
50:1		1	O-Ring ■
51	74-9280	1	Plug ASM
51:1		1	O-Ring ■

● Not illustrated

■ Not serviced separately

Hydraulic Pump Assembly No. 121-9558 (continued)

Ref.	Part Number	Qty.	Description
55	105-3811	1	Valve-Bypass
99	120-5754	1	Seal Kit
99:1		2	O-Ring ■
99:2		2	O-Ring ■
99:3		1	Seal-Shaft ■
99:4		1	Gasket ■
99:5		1	Ring-Retaining ■
99:6		1	Seal-Shaft ■
99:7		1	O-Ring ■

Ref.	Part Number	Qty.	Description
99:8		5	O-Ring ■
99:9		1	Ring-Retaining ■
99:10		1	O-Ring (Not Used For This Configuration) ● ■
99:11		1	O Ring-Molded (Not Used For This Configuration) ● ■
99:12		2	Ring-Retaining ■
99:13		1	O-Ring ■

● Not illustrated

■ Not serviced separately

Neutral Centering Assembly

Ref.	Part Number	Qty.	Description
1	120-2015	1	Support-Cable
2	117-4466	1	Plate ASM
3	88-7200	1	Washer-Flat
4	3235-6	1	Screw-HH
5	63-9750	3	Mount
6	93-8806	3	Washer-Hardened
7	117-9061	1	Lever-Pump
8	3296-59	3	Nut-Lock, NI
9	323-29	3	Screw-HH
10	117-9046	1	Stud-Eccentric
11	117-9053	1	Neutral Arm ASM
11:2	94-9609	2	Bushing-Straight
12	251-259	1	Bearing-Ball
13	115-8158	1	Spacer-Spring
14	117-9047	1	Spring-Torsion
15	119-8199	1	Washer-Nylon
16	76-8870	1	Damper-Lever
17	104-7201	2	Nut-Flange, NI
18	322-6	1	Screw-HH
19	94-8196	2	Washer-Nylon
20	2411-41	1	Rod End-Ball Joint
21	321-6	1	Screw-HH
22	100-4852	1	Washer-Hardened
23	104-8300	2	Nut-Flange, NI
24	104-8301	1	Nut-Flange, NI
25	323-7	1	Screw-HH
26	119-1734	1	Cable-Control, Traction
27	323-5	3	Screw-HH
28	117-9302	1	Bracket-Muffler
29	3290-379	1	Tie-Cable
30	94-8197	1	Tube-Pivot
31	100-4852	2	Washer-Hardened
33	108473	1	Washer-Wave

Traction Drive Hydraulic Line Assembly

Ref.	Part Number	Qty.	Description
1	125-1984	2	Spacer
2	69-9010	4	Washer
3	240-3	2	Grommet-Rubber
4	94-5350	2	Tee-Bulkhead
4:1	237-65	3	O-Ring
5	340-74	2	Nut-Lock, Bulkhead
6	340-14	4	Fitting-HYD, 45 DEG
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	119-2057	1	HYD Tube ASM
8	119-2058	1	HYD Tube ASM
9	119-2063	1	HYD Tube ASM
9:1	353-508	1	Plug-HH
9:1:1	237-42	1	O-Ring

Ref.	Part Number	Qty.	Description
10	119-2064	1	HYD Tube ASM
10:1	353-508	1	Plug-HH
10:1:1	237-42	1	O-Ring
11	115-9484	1	HYD Hose ASM
12	115-9485	1	HYD Hose ASM
13	56-7970	4	Clamp-Tube
14	69-9760	2	Coverplate
15	119-8173	2	Clamp-Tube
16	69-9761	1	Plate-Cover
17	322-20	1	Screw-HH
18	322-12	1	Screw-HH
19	104-8300	4	Nut-Flange, NI
20	119-2092	1	Bracket-Tube
21	3234-47	2	Screw-HHF

Traction Drive Hose Routing Assembly

Ref.	Part Number	Qty.	Description
3	125-5169	1	HYD Hose ASM
5	340-156	1	Fitting-HYD
5:1	237-65	1	O-Ring
5:2	237-81	1	O-Ring
6	340-139	1	Fitting-HYD, 90 DEG
6:1	237-81	1	O-Ring
6:2	237-65	1	O-Ring
7	3290-378	1	Tie-Cable
12	120-1966	1	HYD Hose ASM
14	2412-39	2	R-Clamp
15	32144-14	2	Screw-HWHTF

Lift Circuit Assembly

Ref.	Part Number	Qty.	Description
1	114-4672	1	Steering Valve ASM
2	340-1	2	Fitting-HYD, Straight
2:1	237-21	1	O-Ring
2:2	237-42	1	O-Ring
3	340-2	3	Fitting-HYD, Straight
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
4	112-5709	2	Pin-Tapered
5	119-8129	2	No. 2 And 3 HYD Cylinder ASM
6	340-92	3	Fitting-HYD, Straight
6:1	237-78	1	O-Ring
6:2	237-21	1	O-Ring
7	340-132	2	Fitting-HYD, 90 DEG
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	3234-47	1	Screw-HHF
9	119-8104	1	Pin ASM

Ref.	Part Number	Qty.	Description
10	119-8128	1	No. 1 HYD Cylinder ASM
11	119-2052	1	HYD Hose ASM
12	119-2053	1	HYD Hose ASM
13	99-5107	2	Nut-Lock
14	119-2051	1	HYD Hose ASM
15	119-2050	1	HYD Hose ASM
16	115-1794	1	Screw-HHF
17	119-8126	1	HYD Tube ASM
17:1	237-22	1	O-Ring
18	119-8127	1	HYD Tube ASM
18:1	237-22	1	O-Ring
19	120-3200	2	Clamp-Tube
20	69-9761	1	Plate-Cover
21	322-12	1	Screw-HH
22	104-8300	3	Nut-Flange, NI
23	119-2066	1	HYD Hose ASM
24	119-2065	1	Hose-HYD
25	56-7973	2	Clamp-Tube

● Not serviced separately

Lift Circuit Assembly (continued)

Ref.	Part Number	Qty.	Description
26		1	Hydraulic Lift Manifold ASM ●
27	340-103	1	Fitting-HYD, 45 DEG
27:1	237-78	1	O-Ring
27:2	237-21	1	O-Ring
28	3234-7	2	Screw-HHF
29	33103-016	4	Screw-HHF

● Not serviced separately

Steering Valve Assembly No. 114-4672

Ref.	*Part Number*	*Qty.*	*Description*
1	106-6716	1	Seal Kit

Hydraulic Cylinder Assembly No. 119-8128

Ref.	*Part Number*	*Qty.*	*Description*
1	115-3410	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Bs Seal ●
1:5		1	Seal-Dust ●
1:6		1	O-Ring ●
1:7		1	Ring-Wear ●

● Not serviced separately

Hydraulic Cylinder Assembly No. 119-8129

Ref.	*Part Number*	*Qty.*	*Description*
1	115-3410	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Bs Seal ●
1:5		1	Seal-Dust ●
1:6		1	O-Ring ●
1:7		1	Ring-Wear ●

● Not serviced separately

Hydraulic Lift Manifold Assembly

Ref.	Part Number	Qty.	Description
1	125-5187	1	Manifold-Lift, HYD
2	108-5194	1	Filter-Oil, HYD
3	340-77	1	Fitting-HYD, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
4	340-132	2	Fitting-HYD, 90 DEG
4:1	237-78	1	O-Ring
4:2	237-21	1	O-Ring
5	92-4799	1	Fitting-Tee, HYD
5:1	237-79	1	O-Ring

Ref.	Part Number	Qty.	Description
5:2	237-22	2	O-Ring
6	340-103	1	Fitting-HYD, 45 DEG
6:1	237-78	1	O-Ring
6:2	237-21	1	O-Ring
7	340-97	1	Fitting-HYD, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-78	1	O-Ring
8	115-9147	1	Fitting-Elbow, 90 DEG
8:1	237-78	1	O-Ring
9	354-79	1	Cap-Dust

Hydraulic Lift Manifold Assembly No. 125-5187

Ref.	Part Number	Qty.	Description
3	119-7144	1	Orifice (.037 Inch)
4	353-990	5	Plug ASM
4:1	237-78	1	O-Ring
5	107-7524	1	Check Valve ASM
5:1	105-9156	1	Seal Kit
6	112-9207	1	Valve-Relief
6:1	105-9156	1	Seal Kit
7	107-7517	1	Valve-Solenoid
7:1	105-9156	1	Seal Kit ●
7:2	107-7812	1	Nut-Solenoid
8	110-8898	2	Valve-Solenoid
8:1	107-7527	1	Seal Kit
8:2	110-2634	1	Nut-Coil

Ref.	Part Number	Qty.	Description
8:3	110-8909	1	Spacer-Coil
9	110-8906	1	Valve-Solenoid
9:1	110-8908	1	Spool Valve Seal Kit
9:2	110-2634	1	Nut-Coil
10	110-0497	3	Coil-Solenoid
11	110-6344	1	Coil-12V, Dc
13	125-5211	2	Orifice-Control, Flow (0.030)
14	340-132	1	Fitting-HYD, 90 DEG
14:1	237-78	1	O-Ring
14:2	237-21	1	O-Ring
15	340-54	1	Elbow-45 DEG
15:1	237-22	1	O-Ring
15:2	237-78	1	O-Ring

● Not illustrated

Steering Circuit Assembly (1)

Ref.	*Part Number*	*Qty.*	*Description*
1	340-18	2	Fitting-HYD, 90 DEG
1:1	237-79	1	O-Ring
1:2	237-22	1	O-Ring
6	340-92	2	Fitting-HYD, Straight
6:1	237-78	1	O-Ring
6:2	237-21	1	O-Ring
8	125-5168	1	HYD Hose ASM
10	125-5167	1	HYD Hose ASM
11	117-3683	1	HYD Hose ASM
12	125-5166	1	HYD Hose ASM
13	3334-945	2	Tie-Cable

Steering Circuit Assembly (2)

Ref.	*Part Number*	*Qty.*	*Description*
1	114-9958	1	HYD Gear Pump ASM
2	100-4852	2	Washer-Hardened
3	3274-1	2	Screw-HSH
9	353-949	1	O-Ring
12	354-78	1	Connector-Hose
12:1	237-146	1	O-Ring

Hydraulic Gear Pump Assembly No. 114-9958

Ref.	*Part Number*	*Qty.*	*Description*
1	353-949	1	O-Ring
2	119-7135	1	Kit-Seal
2:2		1	Shaft Seal ●
2:3		2	Anti-Extrusion Seal ●
2:4		2	Seal ●
2:5		2	Seal Square Section ●

● Not serviced separately

Steering Circuit Assembly (3)

Ref.	*Part Number*	*Qty.*	*Description*
1	117-3685	1	HYD Hose ASM
2	117-3688	1	HYD Hose ASM

Steering Circuit Assembly (4)

Ref.	*Part Number*	*Qty.*	*Description*
1	2412-34	2	Clamp-Hose
2	119-2068	1	Hose-Suction
3	120-1963	1	HYD Hose ASM
4	340-3	1	Adapter
4:1	237-22	1	O-Ring
4:2	237-79	1	O-Ring
5	2412-39	1	R-Clamp

Suspension and Basket Assembly

Ref.	Part Number	Qty.	Description
1		3	Suspension ASM ●
2	117-9035	9	Screw-HHF
3	117-8096	3	Basket ASM
3:1	120-2775	1	Grass Basket ASM
3:1:2	120-2776	1	Support-Basket
3:1:3	3290-382	9	Rivet-Pop
3:2	117-8088	1	Handle-Grab
3:3	117-8092-03	1	Plate-Mounting
3:4	104-8300	2	Nut-Flange, NI
4	92-2739	3	Pin-Clevis

Ref.	Part Number	Qty.	Description
5	112-1491	3	Pin-Cotter
6	29-8910	3	Washer
7	117-6822	3	Retainer-Spring, LH
8	120-4617	3	Bracket ASM
9	117-6826	3	Spring-Stabilizer, RH
10	117-6827	3	Spring-Stabilizer, LH
11	117-6825	6	Spacer
12	322-12	6	Screw-HH
13	104-8300	6	Nut-Flange, NI
14	114-7728	6	Screw-Threadlock

● Not serviced separately

Suspension Pin Position Assembly

Ref.	Part Number	Qty.	Description
1	100-6541	3	Pin-Clevis
2	112-1491	3	Pin-Cotter

Suspension A-Arm Assembly

Ref.	Part Number	Qty.	Description
1	117-9480	1	Mount-Pivot, A-Arms
2	117-6656	1	A-Arm, Lower
3	117-6658	6	Balljoint
4	120-3225	6	Ring-Retaining, EXT
5	117-6674	1	Plate-Striker
6	3269-28	2	Rivet-Pop
7	117-6755	1	Stop-Steering
8	114-7728	5	Screw-Threadlock
9	112-5647	6	Clamp
10	132-3837	8	Screw-HHF
11	117-6648	1	A-Arm, Upper
12	117-6650	1	Plate-Lift

Ref.	Part Number	Qty.	Description
13	100-6116	2	Screw-HHF
14	132-3838	4	Screw-HH
15	120-2849	1	Bumper-Rubber
19	104-8300	4	Nut-Flange, NI
20	120-3216	1	Steering Head ASM
20:2	125-5239	4	Bushing-Flange
20:3	117-6819	1	Grommet
23	121-9568	1	Mount-Counter Balance
24	114-9306	3	Spring
25	117-6608	1	Pin
26	117-6738	1	Arm-Tensioner
27	32151-29	1	Ring-Retaining

Suspension Crossarm Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	120-3217	1	Crossarm ASM
2	125-5239	4	Bushing-Flange
3	117-6654	4	Link ASM
4	3296-59	4	Nut-Lock, NI
5	117-9482	1	Mount-Cross Arm, LH
6	117-9492	1	Mount-Cross Arm, RH
7	114-8051	2	Pin-Pivot
8	114-8047	2	Lever
9	114-8048	2	Spring
10	114-8049	2	Pin-Pivot
11	120-3227	8	Screw-HSH
12	120-2784-01	2	Horn-Basket
13	114-7728	4	Screw-Threadlock

Electric Reel Motor Assembly

Ref.	Part Number	Qty.	Description
1	115-3298	3	O-Ring
2	115-5206	6	Ring-Retaining
3	117-6774-03	3	Weight-Electric
4	115-5389	3	Cam-Mount, Motor
5	119-7487	2	Bracket-Clamp, Hose
6	120-4551	1	Bracket-Hose
7	120-4531	1	Bracket-Hose
8	119-7540	1	Bracket-Hose, Rear
9	32104-32	4	Screw-HWH
10	127-2450	3	Motor-Electric
11	322-13	6	Screw-HH
12	100-2401	6	Screw-HSH

Electric Reel Motor Assembly No. 127-2450

Ref.	Part Number	Qty.	Description
1	119-7481	1	Nut-Ferrule
2	119-7480	1	Ferrule
8	119-7476	1	Hose
9	119-7558	1	Tubing-Convoluted, Slit
10		1	Electric Motor ●
11	32160-245	1	Connector
12	32160-315	1	Connector
13	32180-083	1	Wedge
14	32180-084	1	Wedge

Ref.	Part Number	Qty.	Description
15	3290-378	4	Tie-Cable
16	120-3223	1	Tubing-Convoluted, Slit
17	120-4532	1	Hose ASM
17:1	119-7545	1	Fitting-Bulkhead
17:2	119-7457	2	Nut
17:3	119-7524	1	Hose
17:4	119-7559	1	Tubing-Convoluted, Slit
17:5	119-7544	1	Fitting-Bulkhead

● Not serviced separately

Electric Motor Assembly

Ref.	Part Number	Qty.	Description
1	120-4559	12	Screw-Bhcs
2	115-4779	1	Cover-Motor
3	112-9609	1	O-Ring
4	112-5163	2	Washer-Wave
6	119-7450	1	Rotor ASM
6:2	112-5158	1	Bearing-Ball
6:3	120-4557	1	Bearing
8	112-9616	2	O-Ring
14	112-9611	1	O-Ring

Ref.	Part Number	Qty.	Description
15	127-1599	1	Output Gear ASM
15:1:1	112-5153	1	Gear-Output
15:1:2	120-4557	1	Bearing
15:1:3	112-5158	1	Bearing-Ball
15:2	127-1501	1	Grease-Synthetic
16	115-4777	1	Cover-Gearbox
18	119-1156	1	O-Ring
19	119-7451	1	Seal-Oil

Electric Mow Battery Assembly

Ref.	Part Number	Qty.	Description
1	99-6810	5	Screw-HHF
2	99-7435	1	Relay-Power
3	100-8490	1	Switch-Rocker
4	104-7201	7	Nut-Flange, NI
5	104-8300	3	Nut-Flange, NI
6	110-8823	1	Block-Junction
7	112-9621	4	Battery- Nonspillable
8	112-9630	1	Module-Reel, I.D.
9	115-4765	1	Contactor
10	120-4585	3	Screw-CARR
11	115-9477	2	Strip-Foam
12	131-3100-03	1	Bracket-Holder, Fuse
13	33113-016	2	Screw-HH
14	122-0523	1	Harness-Wire
14:8	122-0255	3	Fuse-Maxi, 35 Amp-58V
14:11	32180-043	2	Resistor-120 Ohm
14:16	119-7781	1	Diode-Sealed
14:17	120-3958	1	Fuse-Blade, 10A
14:20	32180-146	1	Cover-Fuse
15	119-1783	1	Harness-Wire, Battery Disconnect

Ref.	Part Number	Qty.	Description
16	119-1784	1	Harness-Wire, Battery Disconnect
17	119-2103-01	1	Plate-Battery
18	119-2104-01	1	Channel-Clamp, Battery
19	121-6669-01	1	Bracket-Backlap
20	119-5773	1	Harness-Wire
20:1	120-3954	1	Fuse-60 Amp
20:2	32180-085	1	Fuse-Cover
21	119-7566-03	1	Bracket-Hose, Rear
22	119-8175	1	Bracket-Disconnect
24	2412-4	1	Clamp
25	3234-13	2	Screw-HHF
26	3234-7	1	Screw-HHF
27	3296-21	2	Nut-Lock, NI
29	3256-12	2	Washer-Flat
30	3273-26	2	Screw-HSH
32	3296-9	2	Nut-Lock
34	32104-82	2	Screw-HHF
35	32105-21	2	Screw-HH
37	32180-011	1	Clip-Connector
38	32180-020	1	Clip-Connector

Electric Mow Battery Assembly (continued)

Ref.	Part Number	Qty.	Description
39	119-4330	1	Isolated Can Module ASM
40	1-807512	1	Bolt-CARR
41	3220-2	2	Nut-Jam
42	32149-8	2	Nut-Keps
43	3253-4	2	Washer-Lock
45	121-6670	1	Decal-Backlap
46	119-1782	3	Battery Jumper Wire Harness ASM
47	32144-14	2	Screw-HWHTF
48	32149-10	1	Nut-Keps
49	120-4586	3	Tube

Ref.	Part Number	Qty.	Description
51	1-803037	3	Nut-Retaining
52	115-8827	2	Foam-Strip
53	120-4570	1	Bracket-Harness
54	3234-29	2	Screw-HHF
55	120-4579	9	Screw-Hfh
56	120-4580	10	Nut-HF
57	48-9220	3	Washer
58	60-6910	1	Screw-HH
59	3256-14	1	Washer-Flat
60	3290-378	1	Tie-Cable
61	32128-33	3	Nut-HF

Crankcase Assembly

Ref.	Part Number	Qty.	Description
10	130-1486	1	Crankcase ASM
20	100-2019	3	Cap-Sealing
30	100-2020	3	Cap-Sealing
40	110-3702	2	Cap-Sealing
50	98-9398	2	Cap-Sealing
60	98-9687	5	Plug
70	98-7487	3	Plug
80	98-7488	1	Plug
90	100-1851	1	Plug-Expansion

Ref.	Part Number	Qty.	Description
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	98-7506	1	Pin-Pipe
130	100-2051	2	Pin-Pipe
140	100-2051	2	Pin-Pipe
150	100-1991	1	Cover-Fuel, Camshaft
160	120-3121	1	Draincock ASM
170	98-7764	1	Switch-Oil

Oil Pan, Oil Pump and Dipstick Assembly

Ref.	Part Number	Qty.	Description
10	120-3122	1	Oil Pan ASM
20	98-9350	22	Bolt
30	114-8151	1	Plug-Drain
40	98-7524	1	Gasket
50	100-2001	1	Strainer-Pickup, Oil
60	105-3776	1	O-Ring
70	100-9195	1	Bolt
80	120-3124	1	Gauge-Oil
90	120-3125	1	Guide-Gauge, Oil

Ref.	Part Number	Qty.	Description
100	98-9722	1	O-Ring
110	115-8504	1	Bolt-Flange
120	110-3720	1	Plug-Gauge, Oil
130	100-2002	1	Oil Pump ASM
140	100-2003	1	Gasket-Pump, Oil
150	100-1923	3	Bolt
160	130-1419	1	Gear-Drive, Oil Pump
170	98-7658	1	Key-Feather
180	100-1779	1	Nut-Flange

Cylinder Head Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7531	2	Hook-Engine
20	98-7526	2	Bolt
30	130-1504	1	Cylinder Head ASM
40	105-3705	1	Cap-Sealing
50	98-9389	2	Cap-Sealing
60	98-9687	1	Plug
70	100-1882	3	Guide-Valve, Inlet
80	100-1883	3	Guide-Valve, Exhaust
90	100-1820	14	Bolt-Head, Cylinder
100	112-2520	1	Gasket-Head, Cylinder
110	98-9444	1	Plug

Gear Case and Oil Filter Cartridge Assembly

Ref.	Part Number	Qty.	Description
10	120-3138	1	Gear Case ASM
20	98-7488	2	Plug
30	110-3708	1	Stay-Spring, Start
35	100-2040	2	Screw
40	98-9388	1	Joint-Pipe
50	100-1926	1	Washer-Plain
60	100-2004	1	Spring
70	100-1894	1	Seat-Valve
80	100-1792	1	Ball

Ref.	Part Number	Qty.	Description
100	117-0327	1	Gasket-Case, Gear
110	127-0403	1	Bolt-Flange
120	125-9063	9	Bolt-Sems
130	100-1922	2	Bolt
140	98-9357	2	Bolt
150	110-3710	1	Bolt
170	120-7852	1	Seal-Oil
180	115-8189	1	Filter-Oil, Engine

Cylinder Head Cover Assembly

Ref.	Part Number	Qty.	Description
10	120-3139	1	Tube-Breather
20	110-3712	2	Clamp-Hose
30	112-8332	1	Cylinder Head Cover ASM
40	98-9580	1	Pipe-Return, Water
50	110-3714	1	Cover-Breather
60	110-3715	1	Valve-Breather
70	98-9364	4	Screw (With Washer)
100	112-2521	1	Gasket-Cover, Head
110	108-7063	4	Bolt
120	107-9075	1	Plug-Filler, Oil
130	99-3446	1	O-Ring

Main Bearing Case Assembly

Ref.	Part Number	Qty.	Description
10	125-9064	1	Wheel Bearing Case ASM
20	125-9065	2	Bolt-Flange
23	125-9082	2	Pin-Straight
25	125-9066	1	Crankshaft Metal ASM (STD)
25	125-9067	1	Crankshaft Metal ASM (-0.20Mm)
25	125-9068	1	Crankshaft Metal ASM (-0.40Mm)
30	100-1873	1	Gasket-Case, Bearing
40	112-8334	1	Cover-Case, Bearing
50	110-3724	1	Seal-Oil
60	100-1876	1	Gasket-Cover, Case
80	100-1750	16	Bolt
90	130-1417	1	Main Bearing Case ASM
100	110-3723	2	Bolt-Case, Bearing

Ref.	Part Number	Qty.	Description
105	110-3741	1	Crankshaft Metal ASM (STD)
105	125-9083	1	Crankshaft Metal ASM (-0.20Mm)
105	110-3743	1	Crankshaft Metal ASM (-0.40Mm)
110	130-1418	1	Main Bearing Case ASM
120	110-3723	2	Bolt-Case, Bearing
125	110-3741	1	Crankshaft Metal ASM (STD)
125	125-9083	1	Crankshaft Metal ASM (-0.20Mm)
125	110-3743	1	Crankshaft Metal ASM (-0.40Mm)
130	100-1874	2	Bolt-Case, Bearing

Camshaft and Idle Gear Shaft Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	110-3727	6	Tappet
20	100-1989	6	Rod-Push
30	120-3126	1	Camshaft ASM
50	110-3729	1	Ball
60	130-1534	1	Gear-Cam
70	98-9378	1	Key-Feather
80	100-1887	1	Stopper-Camshaft
90	98-9350	2	Bolt
100	121-2421	1	Idle Gear ASM
110	121-2422	1	Bushing
120	100-1970	1	Collar-Gear, Idle
130	100-1969	1	Ring-Snap
140	100-1967	1	Shaft-Gear, Idle
150	100-1774	3	Bolt-Flange
160	100-2240	1	Idle Gear ASM

Piston and Crankshaft Assembly

Ref.	Part Number	Qty.	Description
10	130-1518	3	Piston
10	130-1520	3	Piston
20	130-1516	3	Piston Ring ASM
20	130-1517	3	Piston Ring ASM
30	110-3734	3	Pin-Piston
40	100-1835	6	Circlip-Internal
50	125-9070	3	Connecting Rod ASM
60	110-3736	3	Bushing-Pin, Piston
70	100-1999	6	Bolt-Rod, Connecting
80	100-2000	3	Metal-Crankpin (STD)
80	121-3849	3	Metal-Crankpin (-.20Mm)

Ref.	Part Number	Qty.	Description
80	121-2420	3	Metal-Crankpin (-.40Mm)
90	117-0308	1	Crankshaft
100	100-1791	3	Ball
120	100-1891	1	Gear-Crankshaft
130	100-1752	1	Key-Feather
140	110-3738	1	Metal-Crankshaft (STD)
140	121-2424	1	Metal-Crankshaft (-.20Mm)
140	121-2425	1	Metal-Crankshaft (-.40Mm)
150	100-1890	1	Collar-Crankshaft
160	100-1974	1	Slinger-Oil
170	100-2209	1	O-Ring

Fuel Camshaft Assembly

Ref.	Part Number	Qty.	Description
10	112-8335	1	Fuel Camshaft ASM
20	110-3756	1	Camshaft-Fuel
30	100-1795	1	Bearing-Ball
40	100-2006	1	Gear-Pump, Injection
50	100-1752	1	Key-Feather
60	112-8336	1	Sleeve-Governor
70	100-1904	1	Case-Ball, Governor
80	100-1790	32	Ball
90	100-1843	1	Circ-Clip
100	100-1793	8	Ball
110	110-3757	1	Bearing-Ball
120	100-1784	1	Circ-Clip, External
130	100-1888	1	Stopper-Fuel, Camshaft
140	98-9350	2	Bolt

Idle Apparatus and Fuel Pump Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-1898	1	Idle Apparatus ASM
20	100-1899	1	Adjusting Bolt ASM
30	100-1846	1	Nut
40	100-1901	1	Nut-Cap
50	98-7428	2	Gasket
60	100-1902	1	Cap
70	110-3758	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	98-7654	1	Gasket
95	107-9081	1	Gasket
100	99-8387	1	Nut-Cap
110	99-3514	1	Cover
120	98-9636	1	Gasket-Pump, Fuel
130	98-7692	2	Bolt

Stop Solenoid and Speed Control Plate Assembly

Ref.	Part Number	Qty.	Description
20	117-2719	1	Solenoid Stop ASM
30	110-3762	1	O-Ring
40	110-3763	2	Bolt-HSH
50	98-7699	2	Washer-Spring
60	100-1774	2	Bolt-Flange
70	110-3769	1	Speed Control Plate ASM
80	110-3770	1	Plate-Control, Speed
90	110-3771	1	Lever-Governor
100	110-3772	1	Collar
110	100-2208	1	O-Ring
120	110-3773	1	Lever-Control, Speed
130	110-3774	1	Nut-Control, Speed

Ref.	Part Number	Qty.	Description
140	110-3775	1	Shaft-Lever
150	110-3776	1	Lever-Stop, Engine
160	110-3777	1	Pin-Spring
170	100-2207	1	O-Ring
180	110-3778	1	Spring-Return
190	120-3133	2	Screw-Stopper
200	120-3134	1	Bolt
210	98-7572	3	Nut
220	110-3779	1	Cap
230	100-1962	1	Gasket-Plate, Control
240	127-0403	2	Bolt-Flange
250	112-2507	2	Bolt

Injection Pump Assembly

Ref.	Part Number	Qty.	Description
10	110-3764	1	Joint
40	110-3765	1	Injection Pump ASM
50	115-3045	1	Shim-Injection (0.175Mm)
50	98-9456	1	Shim-Injection (0.20Mm)
50	98-9457	1	Shim-Injection (0.25Mm)
60	98-9458	1	Shim-Injection (0.30Mm)
60	115-3046	1	Shim-Injection (0.35Mm)
70	117-7564	2	Bolt-Hex Soc HD
80	98-9438	2	Stud

Ref.	Part Number	Qty.	Description
90	98-9440	2	Nut-Cap
100	98-7699	2	Washer-Spring
110	100-1896	1	Screw-Hollow
120	98-9445	2	Gasket
130	98-9430	1	Screw
140	98-9446	1	Gasket
150	98-9466	1	Plug
160	98-9451	1	Gasket

Governor Assembly

Ref.	Part Number	Qty.	Description
10	110-3766	1	Spring-Start
20	110-3767	1	Spring-Governor
30	120-3131	1	Fork Lever ASM
40	120-3132	1	Spring
50	100-1905	1	Fork Lever ASM
60	100-1907	1	Lever-Fork
70	100-1908	1	Shaft-Lever, Fork
80	100-1751	1	Pin-Spring
90	100-1845	1	Bolt
100	100-2204	1	*obs* Washer-Spring
110	100-1909	1	Holder-Lever, Fork
120	100-1763	2	Bolt

Nozzle Holder and Glow Plug Assembly

Ref.	Part Number	Qty.	Description
10	110-3780	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
50	130-1305	3	Nozzle Holder Kit
60	130-1303	3	Nozzle Holder ASM
65	121-2411	3	Nut
70	98-7676	3	Gasket
80	98-7677	3	Seal-Heat
90	130-1522	1	Pipe-Injection
100	130-1523	1	Pipe-Injection
110	130-1541	1	Pipe-Injection
120	98-7682	2	Clamp-Pipe
130	98-7683	2	Clamp-Pipe
140	98-7684	2	Screw (W/Washer)

Ref.	Part Number	Qty.	Description
150	130-1411	3	Plug-Glow
160	110-3784	1	Cord-Plug, Glow
170	99-8377	3	Nut-Flange
190	110-3785	1	Fuel Tube ASM
200	110-3786	1	Tube-Fuel
210	98-7671	2	Clip-Pipe
220	110-3787	1	Fuel Tube ASM
230	110-3788	1	Tube-Fuel
240	98-7671	2	Clip-Pipe
250	112-8338	1	Pipe-Joint, T
260	110-3790	1	Fuel Tube ASM
270	110-3791	1	Tube-Fuel
280	98-7671	2	Clip-Pipe

Nozzle Holder Assembly

Nozzle Holder Assembly (continued)

Ref.	Part Number	Qty.	Description
5	130-1305	3	Nozzle Holder Kit
10	130-1303	3	Nozzle Holder ASM
20	121-2411	3	Nut
30	99-8302	3	Washer-Adjusting
40	99-8303	3	Spring-Nozzle
50	99-8304	3	Spacer-Distance
60	99-8305	3	Rod-Push
70	130-1304	3	Nut-Nozzle
80	99-8307	3	Washer-Plain
90	130-1497	3	Nozzle-Piece
100	98-9448	3	Adjusting Washer ASM
110	98-7642	3	Washer-Adjusting (0.900Mm)
110	98-7841	3	Washer-Adjusting (0.925Mm)
110	98-7842	3	Washer-Adjusting (0.950Mm)
110	98-7843	3	Washer-Adjusting (0.975Mm)
110	98-7844	3	Washer-Adjusting (1.000Mm)
110	98-7845	3	Washer-Adjusting (1.025Mm)
110	98-7846	3	Washer-Adjusting (1.050Mm)
110	98-7847	3	Washer-Adjusting (1.075Mm)
110	98-7848	3	Washer-Adjusting (1.100Mm)
110	98-7849	3	Washer-Adjusting (1.125Mm)
110	98-7850	3	Washer-Adjusting (1.150Mm)
110	98-7851	3	Washer-Adjusting (1.175Mm)
110	98-7852	3	Washer-Adjusting (1.200Mm)
110	98-7853	3	Washer-Adjusting (1.225Mm)
110	98-7854	3	Washer-Adjusting (1.250Mm)
110	98-7855	3	Washer-Adjusting (1.275Mm)
110	98-7856	3	Washer-Adjusting 1.300Mm)
110	98-7857	3	Washer-Adjusting (1.325Mm)
110	98-7858	3	Washer-Adjusting (1.350Mm)
110	98-7859	3	Washer-Adjusting (1.375Mm)
110	98-7860	3	Washer-Adjusting (1.400Mm)
110	98-7861	3	Washer-Adjusting (1.425Mm)
110	98-7862	3	Washer-Adjusting (1.450Mm)
110	98-7863	3	Washer-Adjusting (1.475Mm)
110	98-7864	3	Washer-Adjusting (1.500Mm)
110	98-7865	3	Washer-Adjusting (1.525Mm)
110	98-7866	3	Washer-Adjusting (1.550Mm)
110	98-7867	3	Washer-Adjusting (1.575Mm)
110	98-7868	3	Washer-Adjusting (1.600Mm)
110	98-7869	3	Washer-Adjusting (1.625Mm)
110	98-7870	3	Washer-Adjusting (1.650Mm)
110	98-7871	3	Washer-Adjusting (1.675Mm)
110	98-7872	3	Washer-Adjusting (1.700Mm)
110	98-7873	3	Washer-Adjusting (1.725Mm)
110	98-7874	3	Washer-Adjusting (1.750Mm)
110	98-7875	3	Washer-Adjusting (1.775Mm)
110	98-7876	3	Washer-Adjusting (1.800Mm)
110	98-7877	3	Washer-Adjusting (1.825Mm)
110	98-7878	3	Washer-Adjusting (1.850Mm)
110	98-7879	3	Washer-Adjusting (1.875Mm)
110	98-7880	3	Washer-Adjusting (1.900Mm)
110	98-7881	3	Washer-Adjusting (1.925Mm)
110	98-7882	3	Washer-Adjusting (1.950Mm)
120	98-7676	3	Gasket
130	98-7677	3	Seal-Heat

Alternator and Pulley Assembly

Ref.	Part Number	Qty.	Description
10	117-5541	1	60 Amp Alternator ASM
20	100-1921	1	Pulley-Fan
30	99-8363	4	Bolt-Flange
40	130-1487	1	*obs* Pulley-Drive, Fan
50	100-1978	1	Bolt
60	119-4486	1	Belt-V, Fan

Alternator Components Assembly

Ref.	Part Number	Qty.	Description
10	117-5541	1	60 Amp Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	117-0316	1	Drive End Frame ASM
50	107-0137	1	Bearing-Ball
60	98-7715	1	Plate-Retainer
70	98-7716	4	Screw-Head, Round
80	98-7717	2	Bolt-Through
90	117-0317	1	Rotor ASM
100	98-7711	1	Cover-Bearing
110	107-0138	1	Bearing-Ball
120	117-0318	1	Frame-End
130	117-0322	1	Holder
140	107-0141	1	Brush Holder ASM

Ref.	Part Number	Qty.	Description
150	98-7724	2	Brush
160	98-7725	2	Spring-Brush
170	117-0319	1	Regulator ASM
180	98-7727	6	Screw-Head, Round
190	98-7728	1	Screw-Head, Round
200	98-7729	3	Bolt
210	98-7726	2	Screw-Head, Round
220	98-7731	2	Bolt
230	117-0320	1	Cover-End
240	117-0321	1	Insulation-Brush
250	98-7730	2	Nut
260	98-7732	1	Nut
280	98-7709	1	Collar

Starter and Flywheel Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1294	1	Starter ASM
20	98-7697	2	Bolt
30	98-7534	2	Nut
50	98-7534	1	Nut
60	105-2893	1	Washer-Spring
70	130-1369	1	Flywheel ASM
80	127-1604	1	Gear-Ring
90	100-1930	5	Bolt-Flywheel
100	120-3130	1	Plate-End, Rear
110	110-3754	10	Bolt

Starter Component Assembly

Ref.	Part Number	Qty.	Description
10	130-1294	1	Starter ASM
20	110-3801	1	Armature
30	110-3802	1	Shaft ASM
40	120-3142	1	Gear-Internal
50	110-3804	3	Gear-Planetary
60	110-3805	1	Clutch-Running, Over
70	110-3806	1	Stopper
80	120-3143	1	Gasket
90	110-3808	1	Ball
100	130-1295	1	Yoke

Ref.	Part Number	Qty.	Description
110	110-3810	1	Brush Holder ASM
120	110-3811	1	Rear Bracket ASM
130	110-3812	1	Bushing
140	110-3813	1	Front Bracket ASM
150	110-3814	1	Bushing
160	110-3815	2	Bolt
170	110-3816	1	Fork Lever ASM
180	125-9099	1	Switch-Magnetic
190	110-3818	1	Screws (Set Of 4)

Water Flange and Thermostat Assembly

Ref.	Part Number	Qty.	Description
10	110-3819	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	98-9444	1	Plug
40	110-3820	1	Gasket-Flange, Water
50	110-3821	1	Plug
60	98-7692	2	Bolt
70	125-9063	1	Bolt-Sems
80	110-3822	1	Pipe-Return, Water
90	125-9078	2	Clamp-Hose
100	98-7778	1	Thermostat ASM
110	120-7575	1	Cover-Thermostat
115	125-9079	1	Plug
120	105-3748	1	Gasket-Thermostat
130	98-7777	2	Bolt

Water Pump and Water Pipe Assembly

Ref.	Part Number	Qty.	Description
10	110-3824	1	Water Pump ASM
20	125-9081	1	Flange-Pump, Water
30	100-1934	1	Bearing-Ball
40	99-3518	1	Water Pump Seal ASM
60	100-1932	1	Pipe-Return, Water
70	117-0330	1	Gasket-Pump, Water
80	100-1750	4	Bolt
90	100-1918	1	Pipe-Water
100	110-3827	1	Pipe-Water
110	100-1924	1	Stud
120	100-2203	1	Nut-Flange
130	110-3828	2	Band-Pipe

Valve and Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
10	112-2514	3	Valve-Inlet
20	112-2515	3	Valve-Exhaust
30	100-1823	6	Spring-Valve
40	100-1825	6	Retainer-Spring, Valve
50	120-3136	6	Collet-Spring, Valve
60	100-2155	6	Cap-Valve
70	100-1797	6	Seal-Stem, Valve
80	112-8341	1	Shaft-Arm, Rocker
90	100-2044	2	Washer

Ref.	Part Number	Qty.	Description
100	110-3832	2	Washer-Plain
110	100-1762	2	Bolt
120	110-3833	3	Bracket-Arm, Rocker
130	110-3834	3	Bolt-Flange
140	98-7602	1	Pin-Spring
150	112-8342	2	Spring
160	100-1884	6	Rocker Arm ASM
170	100-1885	6	Screw-Adjusting
180	100-1827	6	Nut

Inlet and Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	120-3141	1	Intake Manifold ASM
15	121-2417	1	Pipe-Breather
20	110-3838	1	Gasket-Manifold, Intake
30	98-9352	5	Bolt
40	110-3839	1	Manifold-Exhaust
50	110-3840	1	Gasket-Manifold, Exhaust
60	130-1514	3	*obs* Bolt-Ubs
70	130-1156	3	Bolt-Stud
80	100-1778	3	Nut
90	98-7769	4	Stud
100	99-8343	1	Gasket-Muffler
110	98-7534	4	Nut
120	105-2893	4	Washer-Spring

Miscellaneous Engine Parts

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1513	1	Manual-Operator

Attachments and Accessories

For 04540 Greensmaster 3420 TriFlex Traction Unit

Product Name	Model/Part
Turf Evaluator	04399
CE Guard Kit, Greensmaster 3420 TriFlex Traction Unit	04443
Light Kit	04554
8-Blade DPA Reel Mower	04613
11-Blade DPA Reel Mower	04614
14-Blade DPA Reel Mower	04615
Three-Wheel Drive Kit	04714
Hydraulic Oil Leak Detector Kit	04715
Standard Seat Kit	04718
Premium Seat Kit	04719
Dethatching Unit	04720
Tri-Roller	04722
Spiker	04723
Hydraulic Oil Leak Detector Kit	04730
Premium All Season Hydraulic Fluid (55 Gallon Drum)	108-1177
Premium All Season Hydraulic Fluid (5 Gallon Pail)	108-1178
Bimini Folding Shade Assembly	115-4510
Bag Kit	119-1715
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum)	119-2158
Premium Armrest Kit	119-7105
Spark Arrester Kit	120-1951
Premium Engine Oil 10w30 (55 Gal)	121-6392
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
Weight Kit	121-6665
400-hour Filter Maintenance Kit	30043
LH Armrest Asm	92-7307
Height-of-Cut Bar	94-9010
Tire-TURFMATE	99-4506

Notes:

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