Form No. 3363-106 Rev B

TORO®

Count on it.

Parts Catalog

TRX-19 Trencher

Model No. 22971—Serial No. 310000001 and Up

Model No. 22971G—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

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

LP: Liquid Propane

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

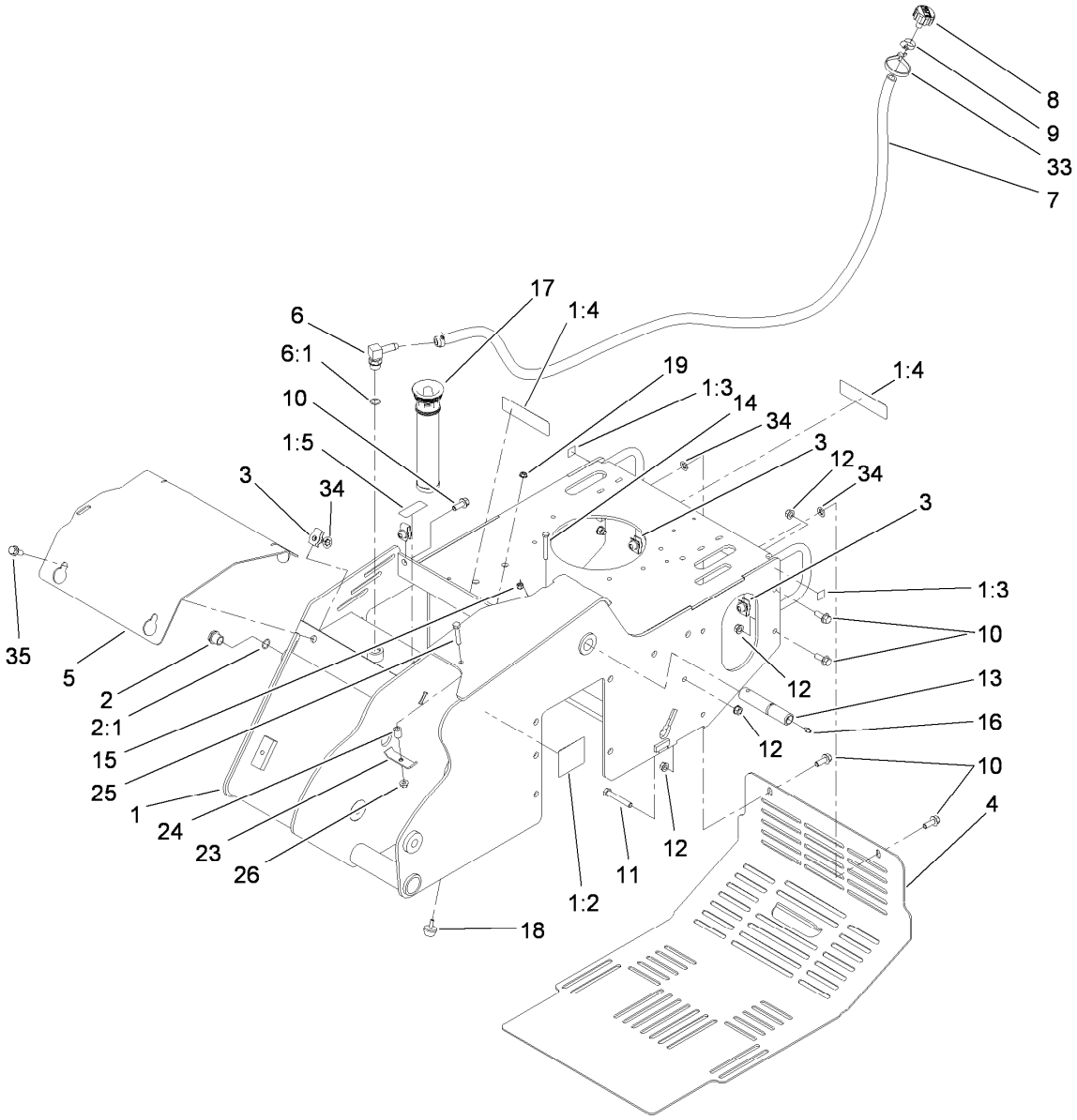
TTH: torx truss head

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Contents

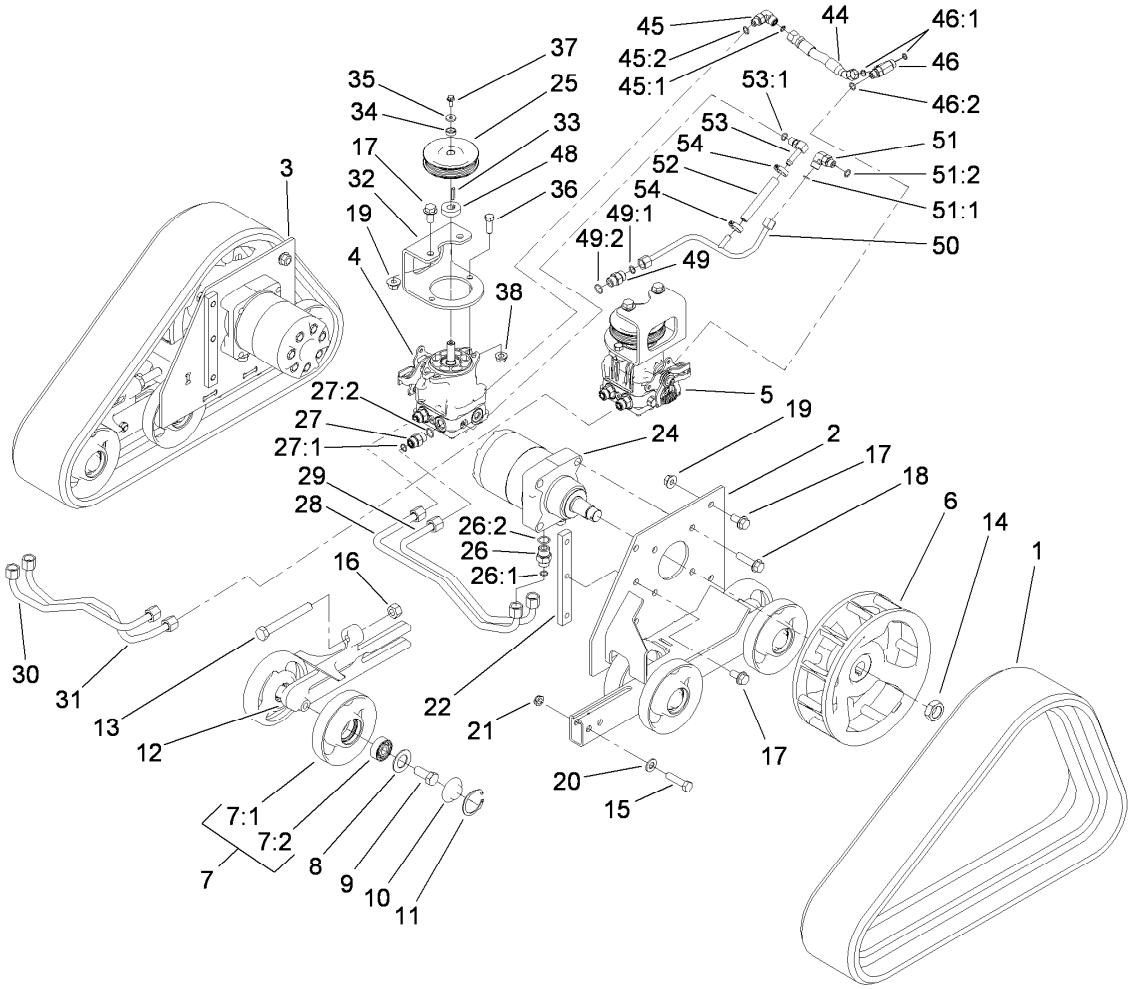
Frame Assembly 4
Track and Drive Assembly 5
Hydraulic Pump Assembly No. 115-4034 and 115-4035 7
Hydraulic Motor Assembly No. 104-8470 8
Parking Brake Assembly 9
Engine Assembly 10
Gear Pump Assembly No. 114-3072 12
Control Assembly 13
Trencher Assembly 14
Hydraulic Motor Assembly No. 114-3053 15
Hydraulic Cylinder Assembly No. 112-2602 16
Control Tower Assembly 17
Hydraulic Control Assembly 19
2-Spool Valve Assembly No. 115-4062 20
Oil Cooler Assembly 21
Hydraulic Routing Assembly 22
Electrical Assembly 23
Cylinder and Crankcase Assembly 24
Piston and Crankshaft Assembly 25
Valve and Camshaft Assembly 26
Lubrication Equipment Assembly 27
Cooling Equipment Assembly 28
Electric Equipment Assembly 29
Control Equipment Assembly 30
Carburetor Assembly 31
Air Filter and Muffler Assembly 32
Fuel Tank and Valve Assembly 33
Starter Assembly 34
Label Set 35
Attachments and Accessories 36



Frame Assembly

Ref.	Part Number	Qty.	Description
1	114-8630	1	Main Frame ASM
1:2	100-4650	1	Decal-Warning
1:3	93-9084	2	Decal-Point, Lift
1:4	93-7814	2	Decal-Danger
1:5	93-6686	1	Decal-Oil, HYD
2	114-3075	1	Glass-Sight
2:1	237-79	1	O-Ring
3	112-4576	5	Nut-Tinnerman
4	115-6503-01	1	Cover-Rear
5	119-4566-03	1	Plate-Cover, Front
6	354-120	1	Fitting-HYD, 90 DEG
6:1	237-79	1	O-Ring
7	114-3042	1	Hose-Breather
8	68-6150	1	Breather
9	2412-36	2	Clamp-Hose
10	3234-11	3	Screw-HHF

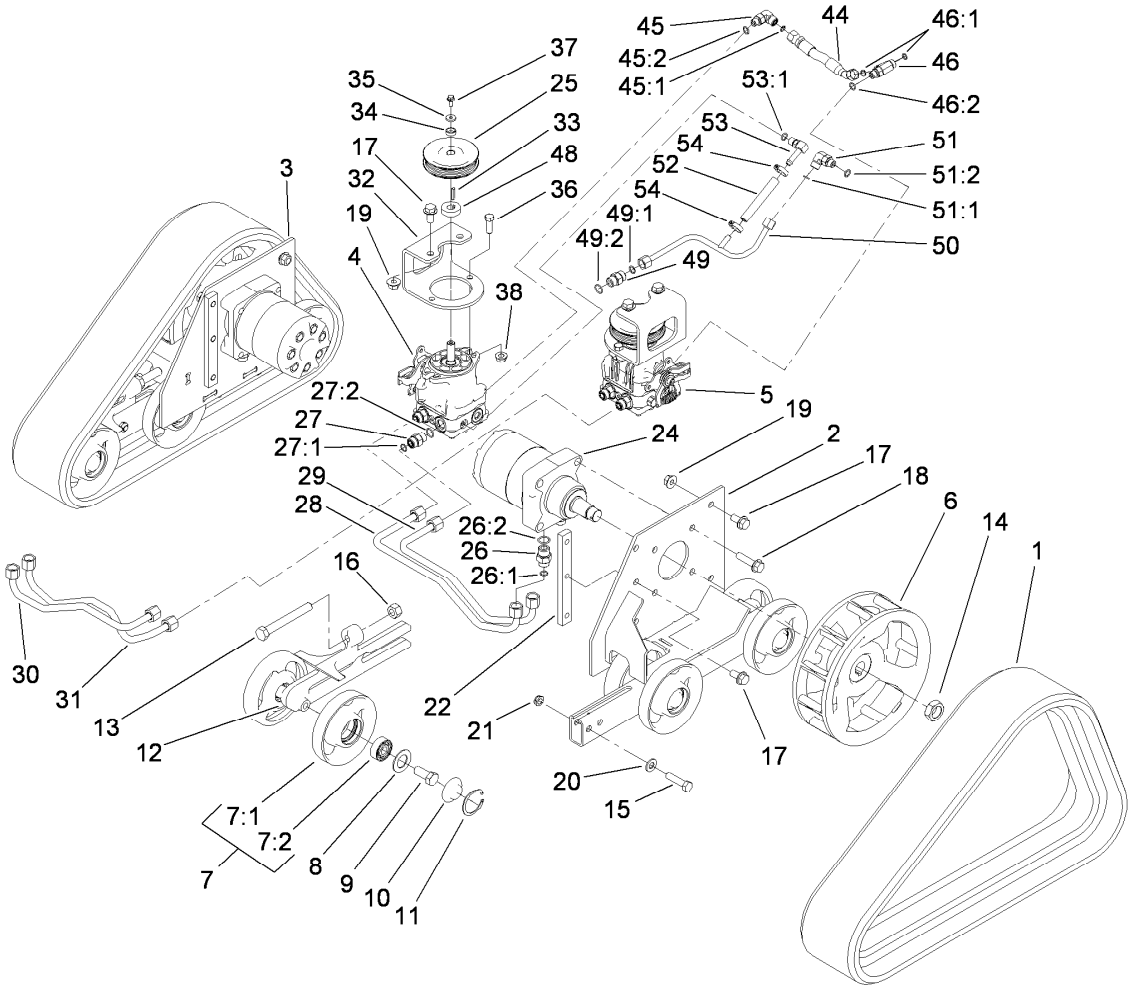
Ref.	Part Number	Qty.	Description
11	323-12	1	Screw-HH
12	32128-40	2	Nut-Flange
13	114-2937	1	Pin-Pivot
14	321-18	1	Screw-HH
15	3296-42	1	Nut-Lock, NI
16	302-5	1	Fitting-Grease
17	114-3039	1	In-Tank Filter ASM
18	1-523420	1	Bumper
19	32128-33	1	Nut-HF
23	100-4860	1	Bracket-Clamp
24	93-5023	1	Spacer
25	322-10	1	Screw-HH
26	32128-20	1	Nut-HF
33	3334-945	1	Tie-Cable
34	107-3154	5	Nut-Push
35	3234-18	2	Screw-HHF



Track and Drive Assembly

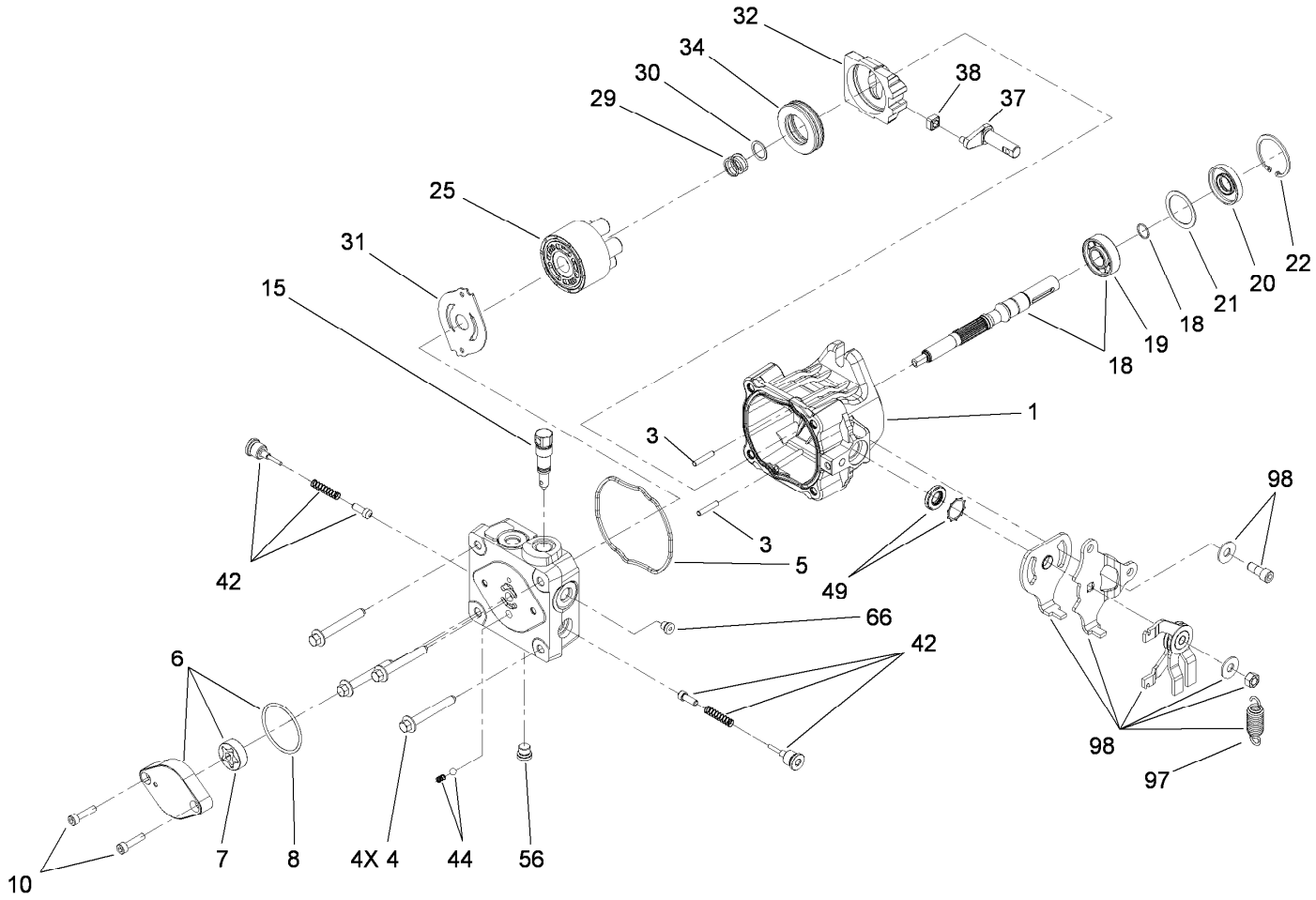
Ref.	Part Number	Qty.	Description
1	112-4816	2	Track-Rubber
2	114-2992-03	1	LH Track Frame ASM
3	114-2993-03	1	RH Track Frame ASM
4	115-4034	1	Pump-HYD, RH
5	115-4035	1	Pump-HYD, LH
6	117-6426-03	2	Wheel-Drive
7	112-4817	12	Wheel-Tensioner
7:1	114-3014-03	1	Wheel-Track
7:2	93-4237	1	Bearing
8	106-7585	12	Gasket-Bogie
9	327-4	12	Screw-HH
10	106-7557	12	Cap-Wheel, Bearing
11	106-7595	12	Ring-Snap, Internal
12	114-3077-03	2	Tensioner-Track
13	112-4874	2	Screw-HH, TAP
14	106-8159	2	Nut-Lock
15	325-8	4	Screw-HH
16	3217-11	2	Nut-Hex
17	3234-6	14	Screw-HHF]
18	3234-27	8	Screw-HHF
19	32128-49	8	Nut-HHF
20	3256-26	4	Washer-Flat
21	3296-45	4	Nut-Lock, NI
22	114-3091	2	Bar-Thread
24	104-8470	2	HYD Wheel Motor ASM
25	115-1298	2	Sheave
26	340-6	4	Fitting-HYD, Straight
26:1	237-30	1	O-Ring

Ref.	Part Number	Qty.	Description
26:2	237-80	1	O-Ring
27	340-4	4	Fitting-HYD, Straight
27:1	237-30	1	O-Ring
27:2	237-79	1	O-Ring
28	115-1285	1	HYD Tube ASM
29	115-1286	1	HYD Tube ASM
30	115-1287	1	HYD Tube ASM
31	115-1288	1	HYD Tube ASM
32	115-1289-01	2	Bracket-Mount, Pump
33	80-6090	2	Key-Pump
34	108-4211	2	Bushing
35	73-3580	2	Washer
36	324-5	4	Screw-HH
37	33103-016	2	Screw-HHF
38	32128-42	4	Nut-HF
44	115-1297	1	HYD Hose ASM
45	340-77	1	Fitting-HYD, 90 DEG
45:1	237-22	1	O-Ring
45:2	237-42	1	O-Ring
46	340-86	1	Fitting-Tee
46:1	237-22	2	O-Ring
46:2	237-42	1	O-Ring
48	115-4002	2	Spacer
49	340-3	1	Adapter
49:1	237-22	1	O-Ring
49:2	237-79	1	O-Ring
50	117-1305	1	HYD Tube ASM



Track and Drive Assembly (continued)

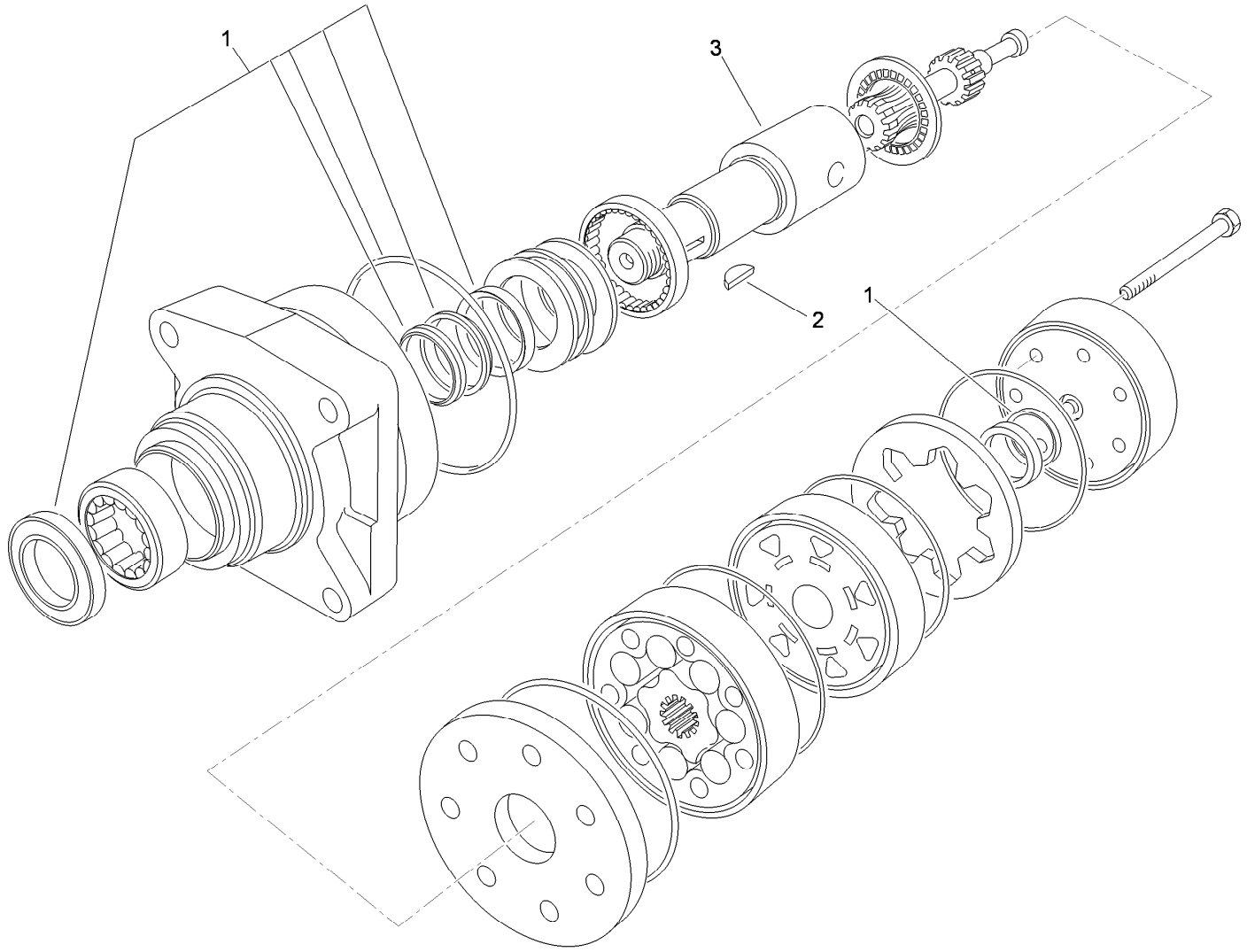
Ref.	Part Number	Qty.	Description
51	340-77	1	Fitting-HYD, 90 DEG
51:1	237-22	1	O-Ring
51:2	237-42	1	O-Ring
52	115-4083	1	Hose
53	100-4887	1	Fitting-Barbed, 90 DEG
53:1	237-42	1	O-Ring
54	2412-36	2	Clamp-Hose



Hydraulic Pump Assembly No. 115-4034 and 115-4035

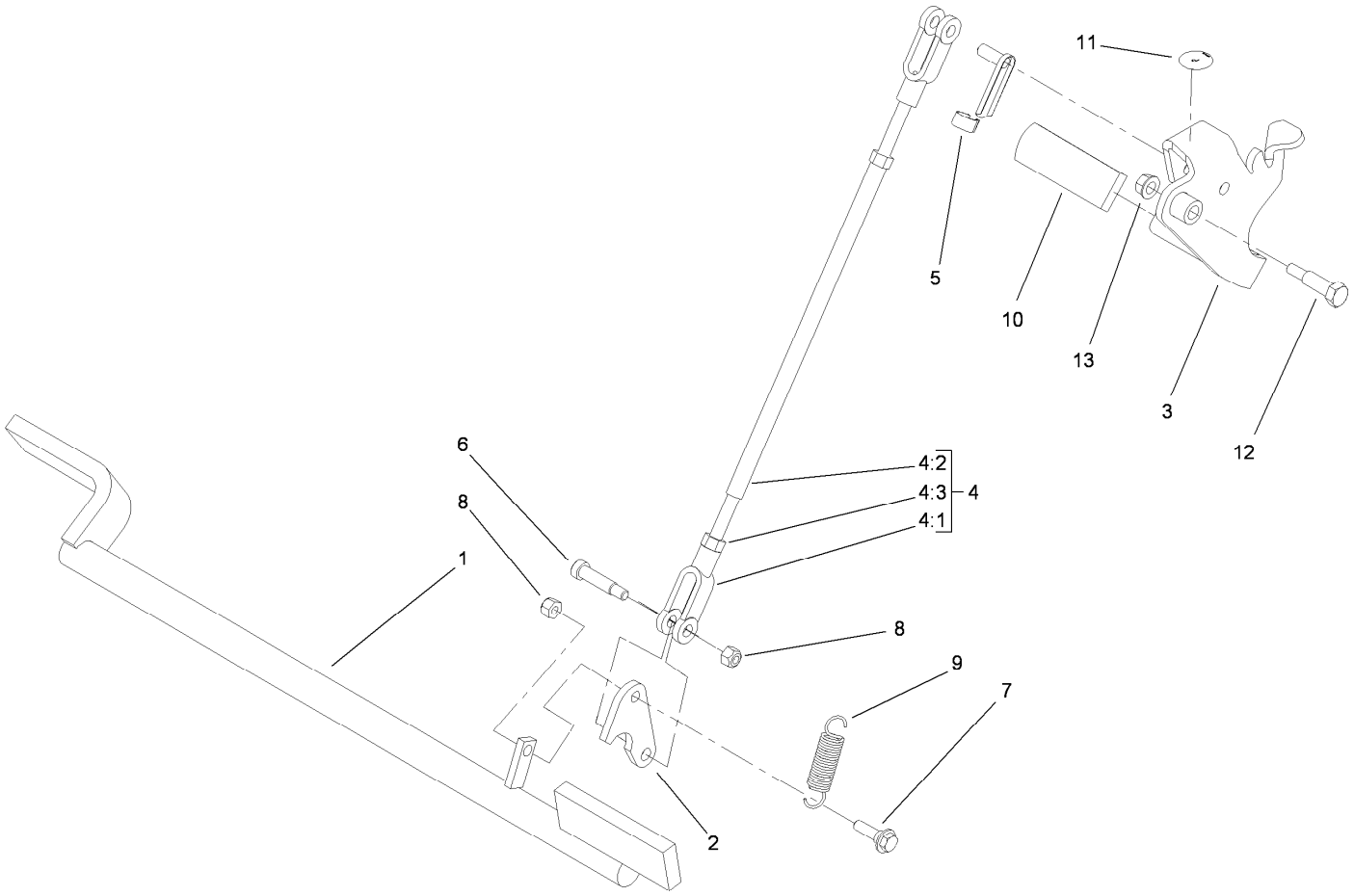
Ref.	Part Number	Qty.	Description
1	115-4464	1	Housing Kit
3	106-8753	2	Pin-Headless, Straight
4	106-8754	4	Bolt-HF
5	106-8755	1	O-Ring
6	106-8756	1	Charge Pump Kit
7	104-2122	1	Gerotor ASM
8	106-8757	1	O-Ring
10	104-2111	2	Capscrew
15	106-8759	1	Bypass Valve Kit
18	103-2664	1	Input Shaft Kit
19	104-5311	1	Bearing-Ball
20	104-5310	1	Seal-Lip
21	104-5308	1	Spacer
22	104-5309	1	Ring-Retaining
25	103-2666	1	Cylinder Block Kit
29	94-1936	1	Spring-Block
30	94-1937	1	Washer-Thrust, Block
31	105-6185	1	Plate-Valve
32	94-1907	1	Swashplate-Variable
34	94-6922	1	Bearing-Thrust
37	115-4458	1	Arm-Trunnion, Tapered Square
38	94-1910	1	Guide-Slot
42	98-3252	2	Valve-Check (W/Poppet)
44	106-8760	1	Charge Relief Valve Kit
49	114-8155	1	Trunnion Seal Kit
56	106-8762	1	Plug-HSH
66	106-8763	1	Plug-HSH
97	117-6438	1	Spring-Extension,
98	115-4046	1	Rtn Kit
99	105-6184	1	Seal Overhaul Kit ●

● Not illustrated



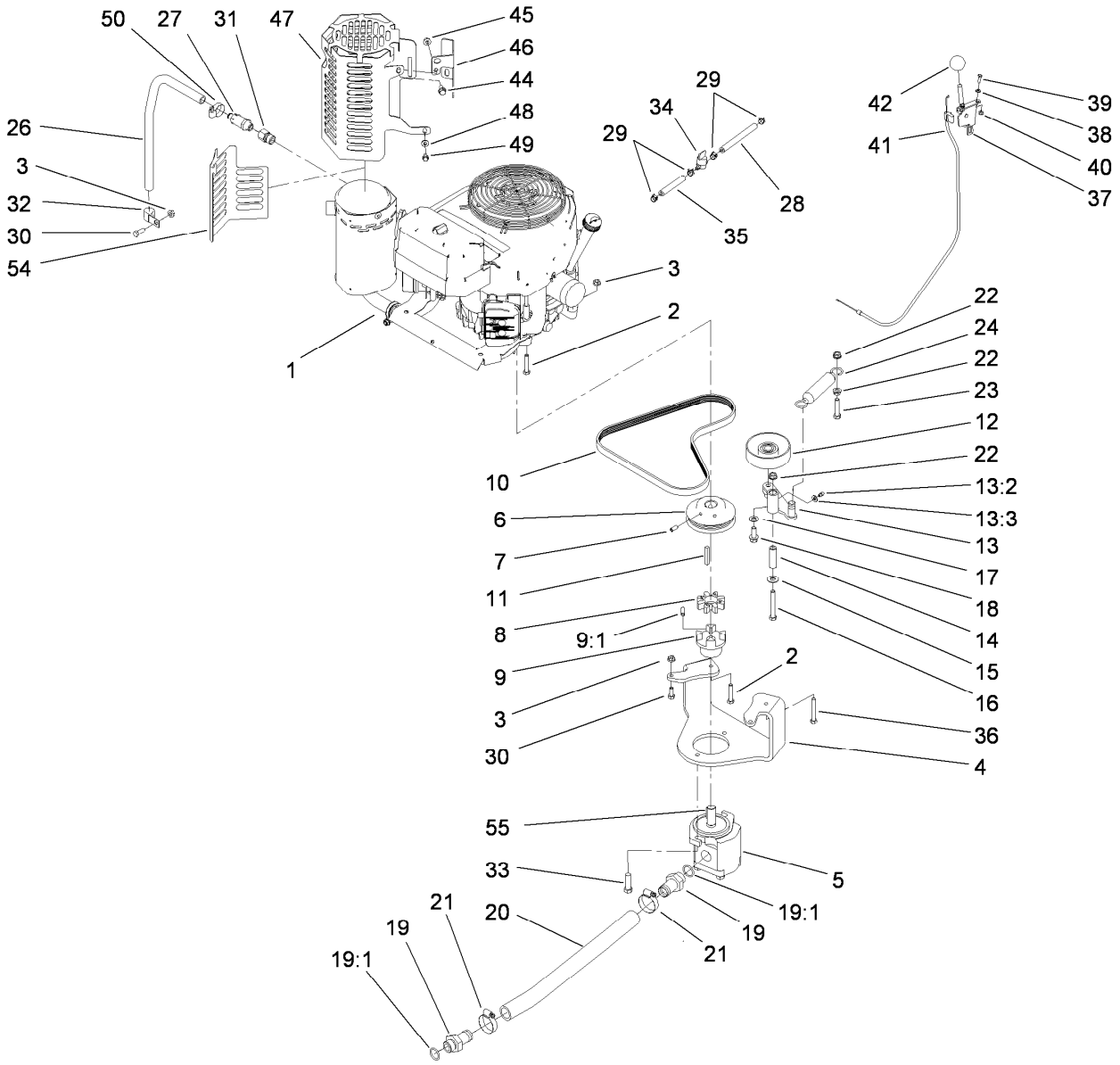
Hydraulic Motor Assembly No. 104-8470

Ref.	*Part Number*	*Qty.*	*Description*
1	115-4061	1	Seal Kit
2	3257-42	1	Key-Woodruff
3	99-3090	1	Shaft-Coupling



Parking Brake Assembly

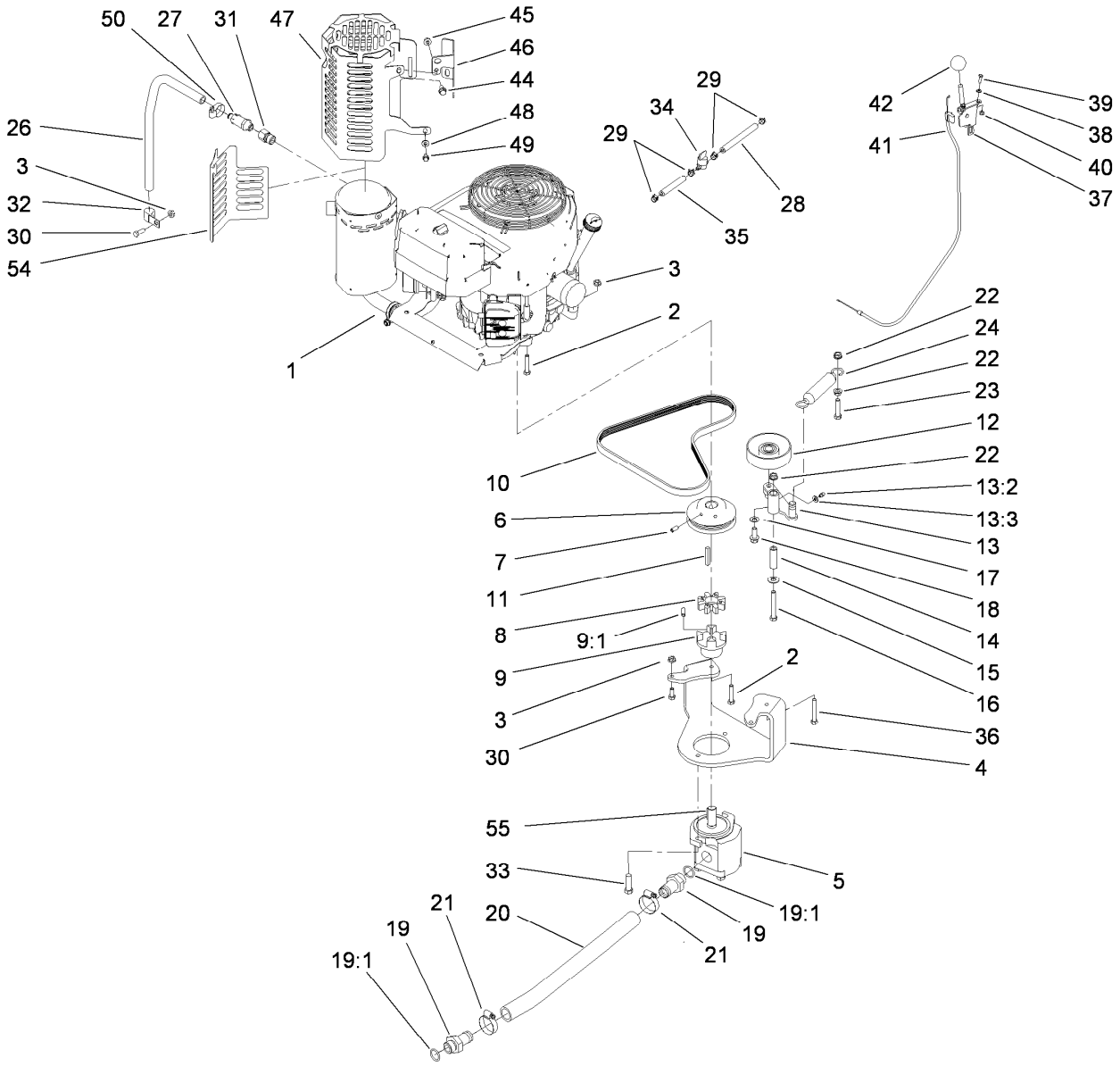
Ref.	*Part Number*	*Qty.*	*Description*
1	114-2972-03	1	Brake Bar ASM
2	114-2975	1	Link-Mounting
3	114-2957-03	1	Brake Handle ASM
4	103-4335	1	Brake Rod ASM
4:1	1-633131	2	Yoke-Linkage, Brake
4:2	103-3907	1	Linkage-Handle, Brake
4:3	3219-3	2	Nut-Hex
5	103-2399	1	Pin-Spring, Clevis
6	114-8629	1	Bolt-Shoulder
7	27-7211	1	Screw-Shoulder
8	3296-47	2	Nut-Lock, NI
9	67-1450	1	Spring-Idler
10	62-9130	1	Grip-Handle
11	107-8495	1	Decal-Parking Brake
12	7-0030	1	Screw-Shoulder, HH
13	32128-20	1	Nut-HF



Engine Assembly

Ref.	Part Number	Qty.	Description
1	119-5994	1	Engine ASM
2	322-9	3	Screw-HH
3	32128-20	7	Nut-HF
4	114-2912-01	1	Mount-Pump
5	114-3072	1	Gear Pump ASM
6	114-8559-03	1	Pulley-Engine
7	3246-6	2	Screw-Set, HSH
8	93-8827	1	Spider-Coupler
9	114-2933	1	Coupler-Flex
9:1	100-7594	1	Screw-Set
10	114-2991	1	Belt-V
11	608006	1	Key-Square
12	95-8802	1	Pulley-Idler
13	114-2915	1	Idler Arm ASM
13:2	302-5	1	Fitting-Grease
13:3	3256-22	1	Washer-Flat
14	114-2916	1	Bushing-Idler
15	3256-4	1	Washer-Flat
16	323-13	1	Screw-HH
17	3256-24	1	Washer-Flat
18	3234-11	1	Screw-HHF

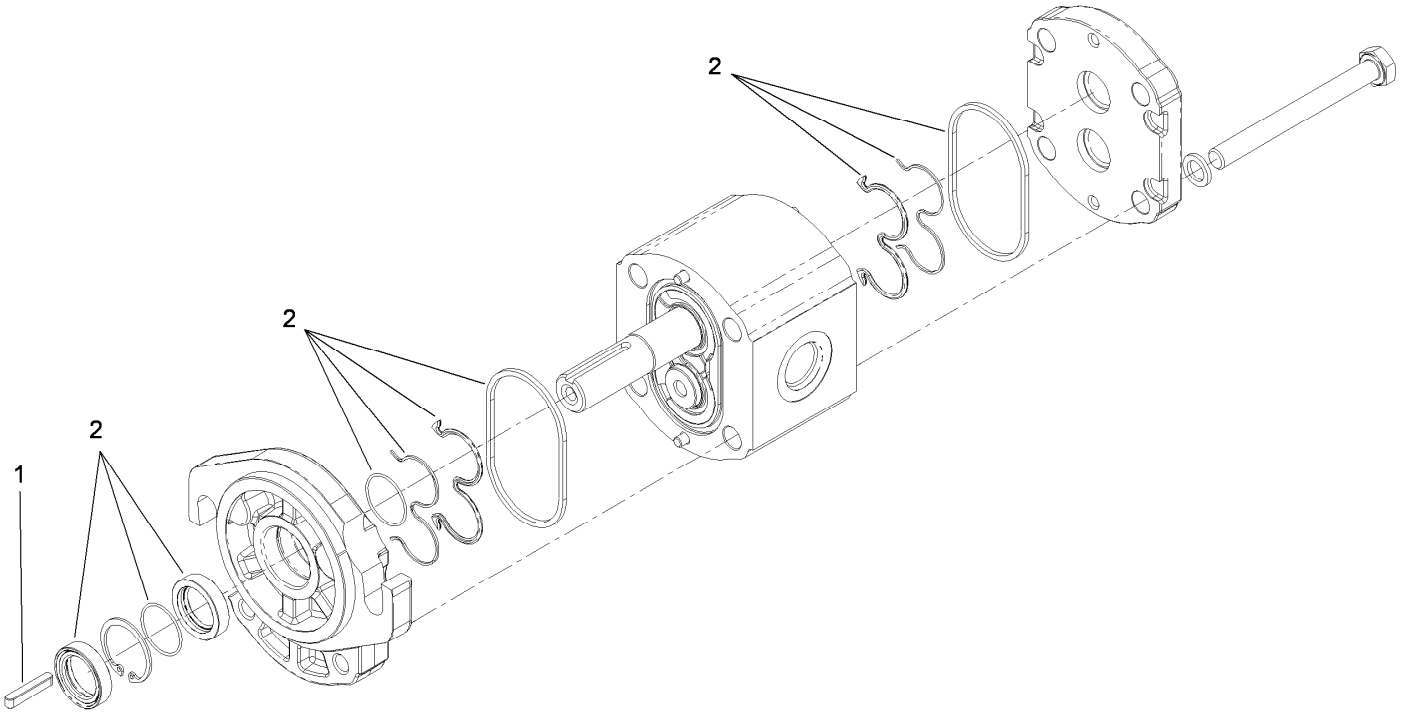
Ref.	Part Number	Qty.	Description
19	99-3017	2	Fitting
19:1	237-81	1	O-Ring
20	114-2917	1	Hose-Suction
21	2412-111	2	Clamp
22	3290-357	3	Nut-HHF, Whiz
23	323-9	1	Screw-HH
24	66-4270	1	Spring-Extension
26	106-5709	1	Hose-Vent
27	92-6877	1	Valve-Drain, Oil
28	109-0306	1	Hose-Fuel
29	2412-98	4	Clamp
30	322-4	3	Screw-HH
31	103-1966	1	Adapter
32	2412-81	1	Clamp-R
33	324-6	2	Screw-HH
34	1-603770	1	Valve-Fuel
35	109-0295	1	Hose-Fuel
36	322-11	1	Screw-HH
37	108-9730	2	Control Lever ASM
38	3256-21	4	Washer-Flat
39	3290-134	4	Screw



Engine Assembly (continued)

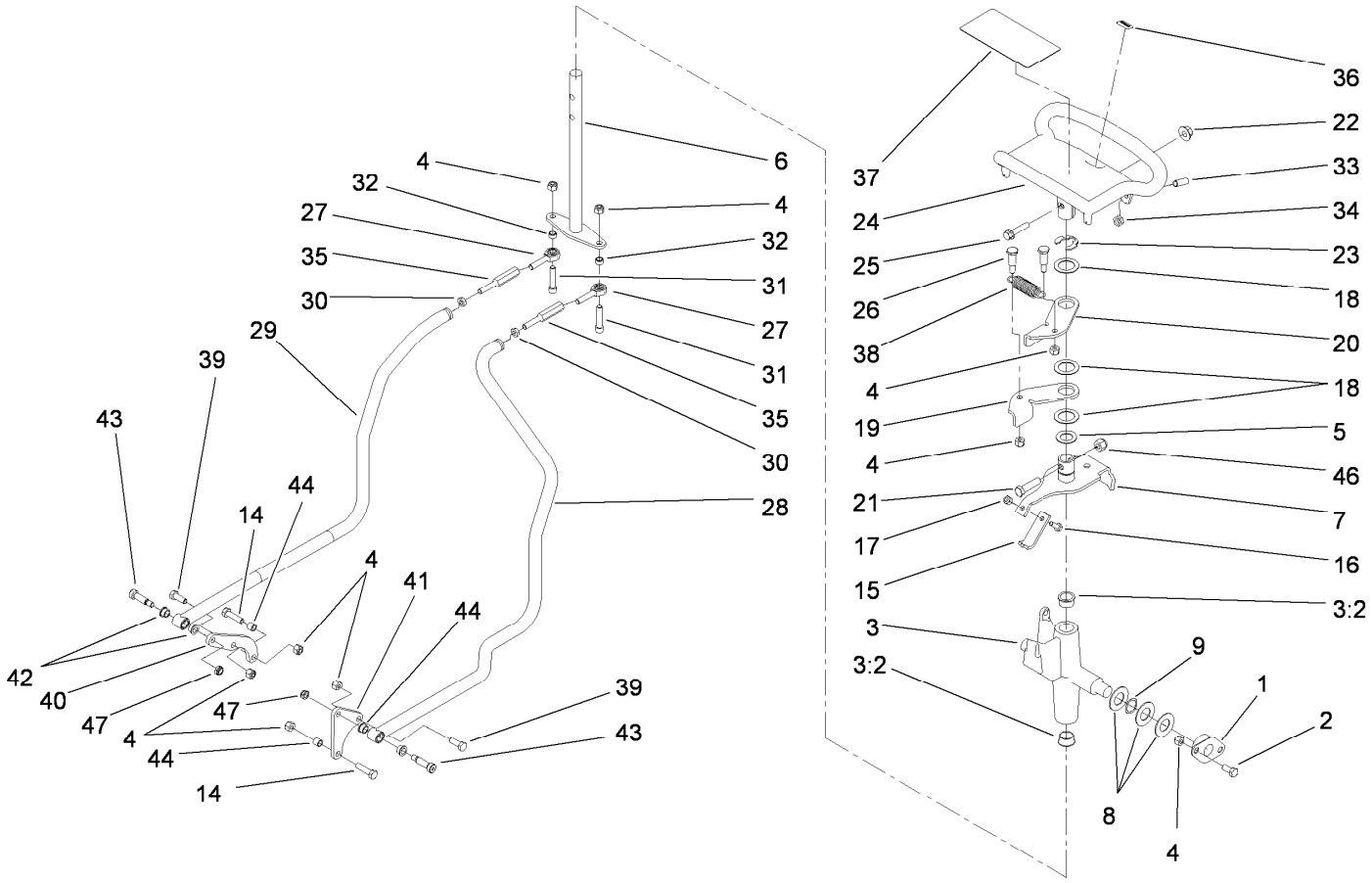
Ref.	Part Number	Qty.	Description
40	3296-2	4	Nut-Lock, NI
41	115-1211	2	Cable-Control
42	233-42	2	Knob
44	3234-14	3	Screw-HHF
45	32128-20	3	Nut-HF
46	115-6633-03	1	Bracket-Guard, Muffler

Ref.	Part Number	Qty.	Description
47	114-8748-03	1	Muffler Shield ASM
48	3256-22	1	Washer-Flat
49	33103-016	1	Screw-HHF
50	2412-36	1	Clamp-Hose
54	114-8746	1	Guard-Foil
55	27-8590	1	Key-Square



Gear Pump Assembly No. 114-3072

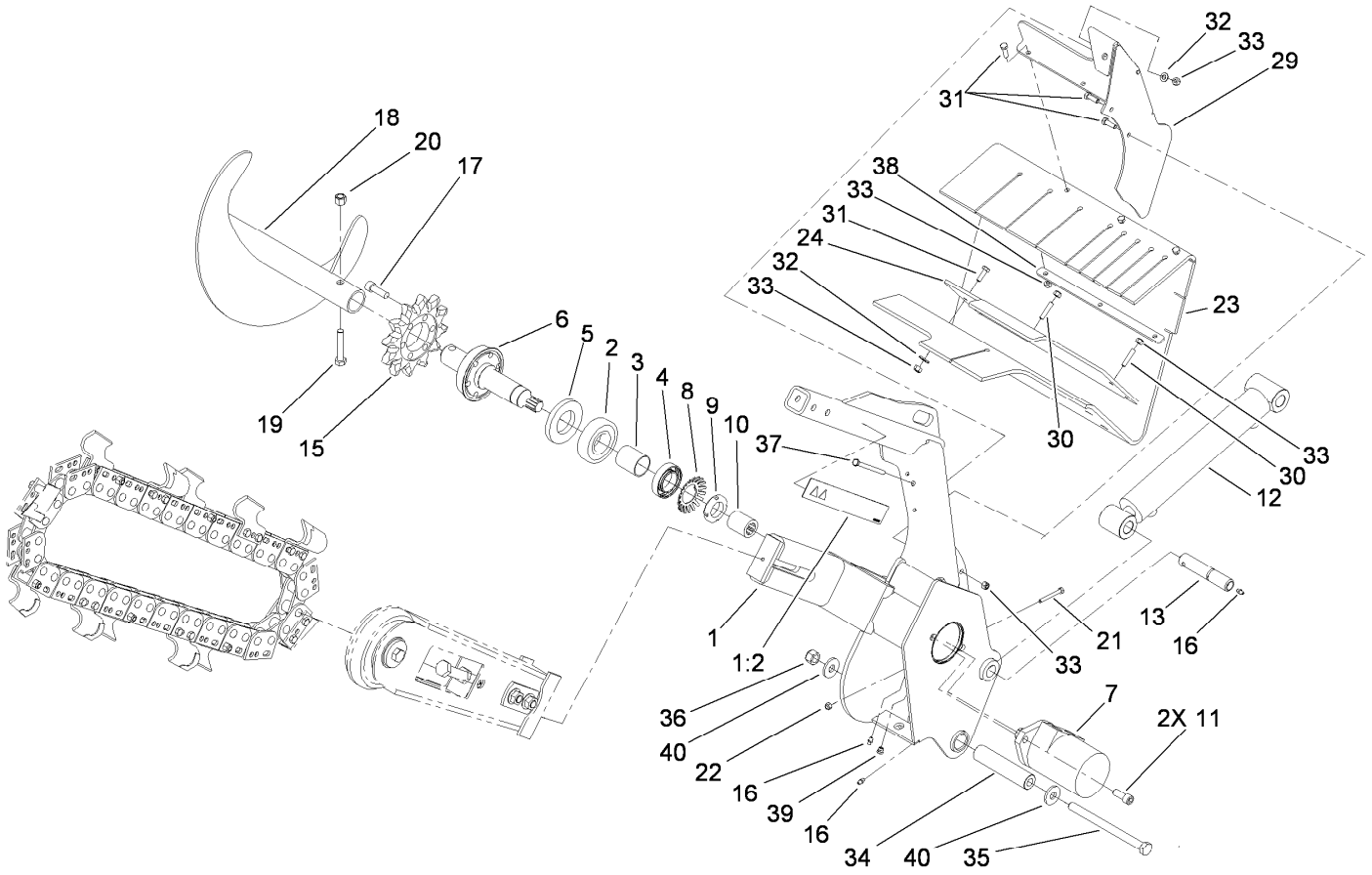
Ref.	*Part Number*	*Qty.*	*Description*
1	104-5839	1	Key-Square
2	115-1265	1	Seal Kit



Control Assembly

Ref.	Part Number	Qty.	Description
1	68-2970	2	Bushing
2	322-3	4	Screw-HH
3	106-5737	1	Control Support ASM
3:2	256-252	2	Bearing-Flange
4	3296-29	12	Nut-Lock, NI
5	257-8	1	Washer-Thrust
6	106-5745	1	Drive Rod ASM
7	112-2783	1	Pivot Lever ASM
8	3256-39	6	Washer-Flat
9	95-3703	2	Washer-Spring, Wave
14	322-6	2	Screw-HH
15	115-1204	1	Plate-Neutral
16	321-4	1	Screw-HH
17	3296-42	1	Nut-Lock, NI
18	108-9743	3	Washer-Plain
19	98-8407	1	Lever-Return, RH
20	98-8408	1	Lever-Return, LH
21	323-8	1	Screw-HH
22	32128-43	1	Nut-Flange
23	32151-91	1	Ring-Retaining
24	106-7614-03	1	Handle-Control
25	3234-18	1	Screw-HHF

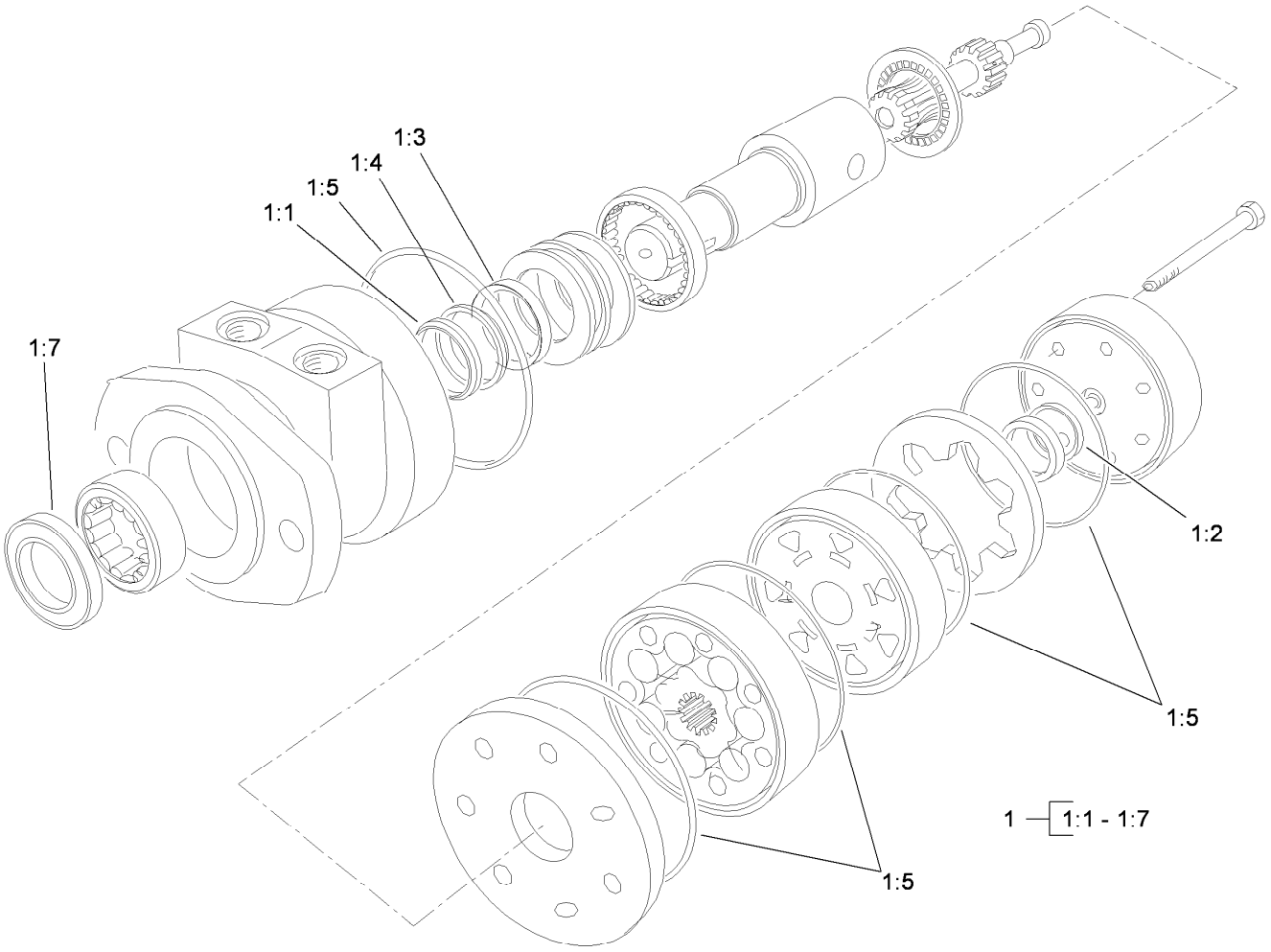
Ref.	Part Number	Qty.	Description
26	63-2650	2	Screw-Shoulder
27	2411-53	2	Bearing-Rod End, LH
28	114-2901	1	LH Control Rod ASM
29	114-2902	1	RH Control Rod ASM
30	3220-2	2	Nut-Jam
31	3274-83	2	Screw-HSH
32	92-3133	2	Spacer-Lever, Traction
33	3247-6	2	Screw-Set
34	3218-3	2	Nut-Jam
35	114-3095	2	Link-Control
36	98-1459	1	Decal
37	115-4020	1	Decal-Traction
38	108-4724	1	Spring-Extension
39	322-4	2	Screw-HH
40	115-1290	1	Plate-Adapter, Control, RH
41	115-1291	1	Plate-Adapter, Control, LH
42	1-603735	4	Bushing-Flanged
43	114-8629	2	Bolt-Shoulder
44	1-633545	2	Spacer
46	3296-39	1	Nut-Lock, NI
47	3296-47	2	Nut-Lock, NI



Trencher Assembly

Ref.	Part Number	Qty.	Description
1	114-8631	1	Trencher Head ASM
1:2	99-9952	2	Decal-Danger
2	106-8871	1	Bearing-Ball
3	112-4979	1	Spacer
4	111199	1	Bearing-Ball
5	114-2955	1	Seal-Grease
6	112-4993	1	Trencher Shaft ASM
7	114-3053	1	Motor-HYD
8	114-2956	1	Lockwasher-Bearing
9	88-1450	1	Locknut-Bearing
10	114-2954	1	Spline-Collar
11	3274-89	2	Screw-HSH
12	112-2602	1	HYD Cylinder ASM
13	114-2937	1	Pin-Pivot
15	104-1964	1	Sprocket-Trencher
16	302-5	3	Fitting-Grease
17	3274-4	6	Screw-HSH
18	112-4996-03	1	Trencher Auger ASM

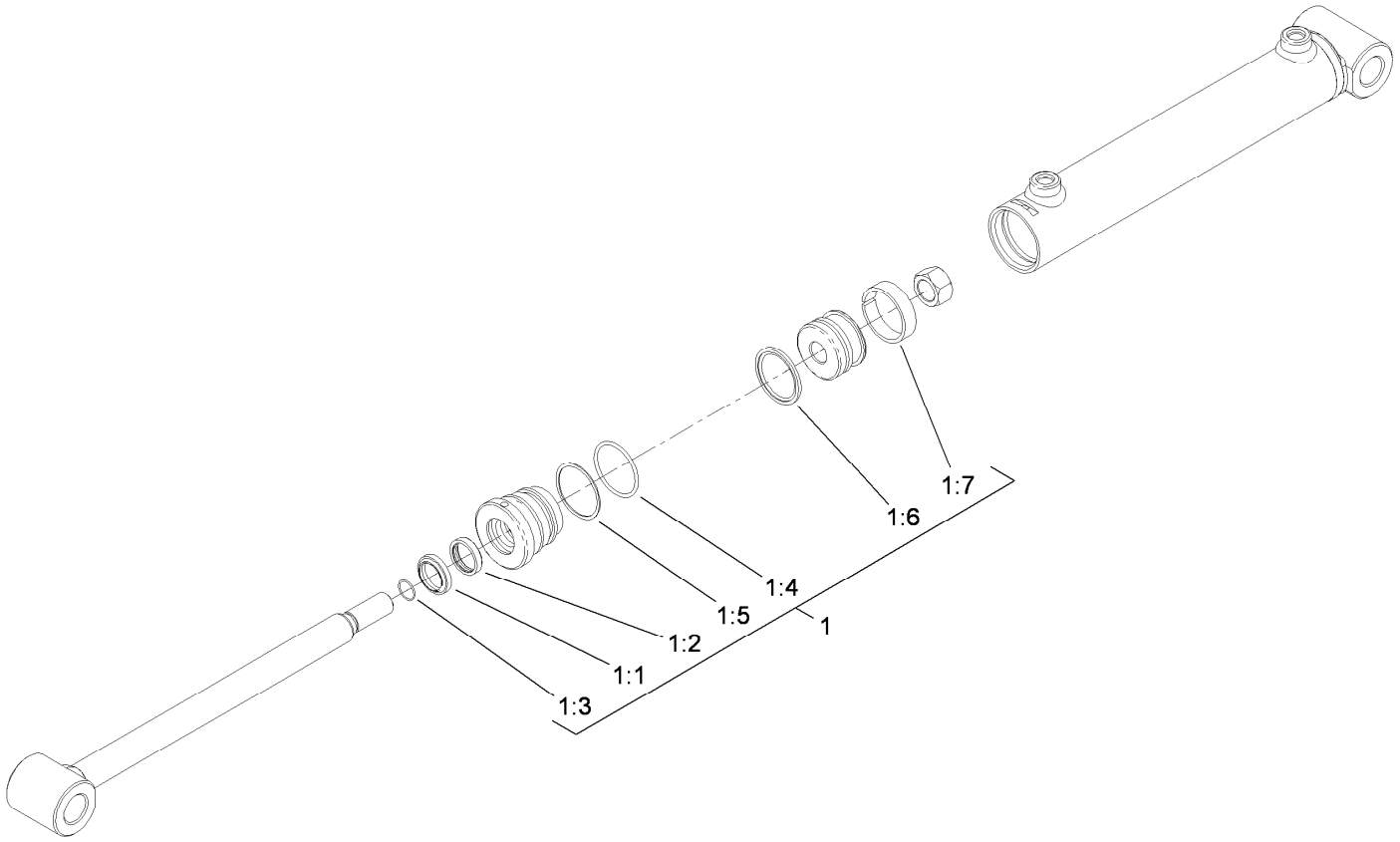
Ref.	Part Number	Qty.	Description
19	325-11	1	Screw-HH
20	3296-23	1	Nut-Lock, NI
21	321-18	1	Screw-HH
22	3296-42	1	Nut-Lock, NI
23	114-8569	1	Shield-Dirt
24	115-1220-03	1	Bar-Clamp
29	115-1279-03	1	Bracket-Shield
30	115-4049	2	Screw-HSH
31	322-5	8	Screw-HH
32	3256-3	4	Washer-Flat
33	3296-29	11	Nut-Lock, NI
34	114-8573	1	Spacer-Pivot
35	117-6327	1	Bolt-HH,
36	3296-53	1	Nut-Lock, NI
37	322-23	1	Screw-HH
38	115-4001-03	1	Plate-Strap, Shield
39	302-34	1	Fitting-Lube
40	104-9216	2	Washer-Hardened



Hydraulic Motor Assembly No. 114-3053

Ref.	*Part Number*	*Qty.*	*Description*
1	1-000119	1	Seal Kit
1:1		1	Ring-Back Up ●
1:2		1	Seal-Commutator ●
1:3		1	Seal-Shaft (Viton) ●
1:4		1	Washer-Back Up, Steel ●
1:5		5	Ring-Seal (Viton) ●
1:7		1	Seal-Dirt And Water ●

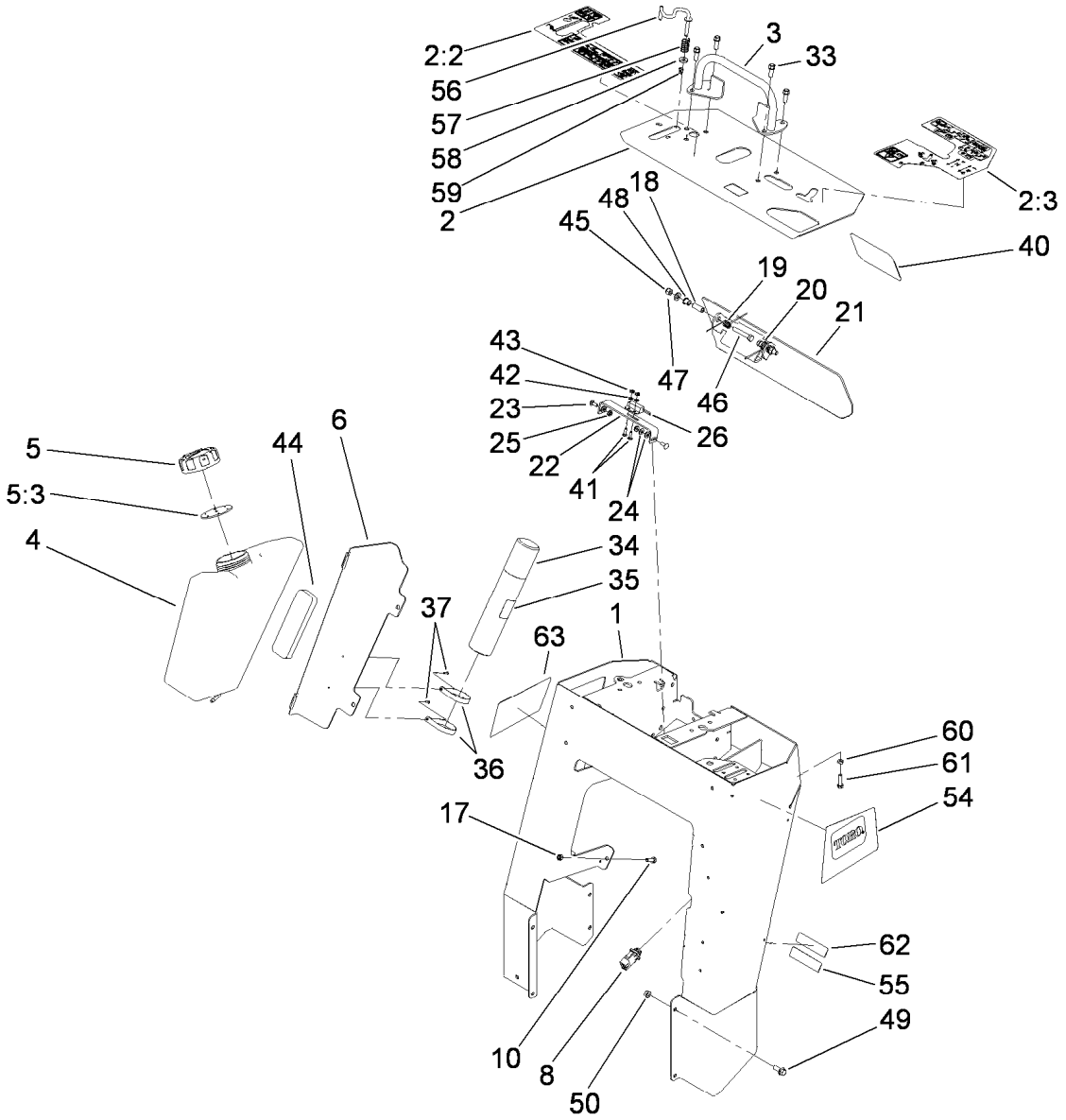
● Not serviced separately



Hydraulic Cylinder Assembly No. 112-2602

Ref.	*Part Number*	*Qty.*	*Description*
1	107-1183	1	Seal Kit
1:1		1	Wiper ●
1:2		1	U-Cup ●
1:3		1	O-Ring ●
1:4		1	O-Ring ●
1:5		1	Back-Up Ring ●
1:6		1	Capseal ●
1:7		1	Wear Ring ●

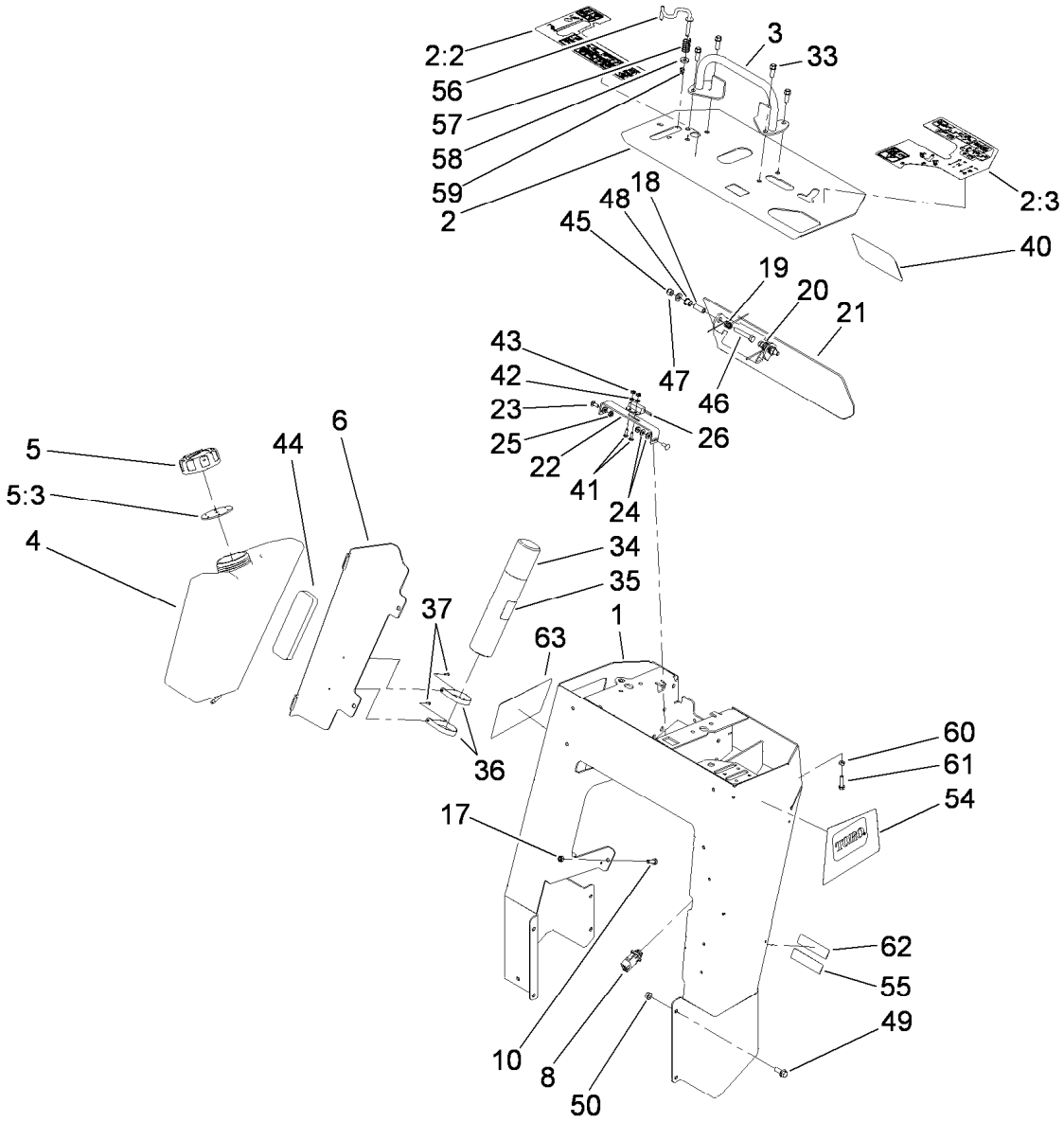
● Not serviced separately



Control Tower Assembly

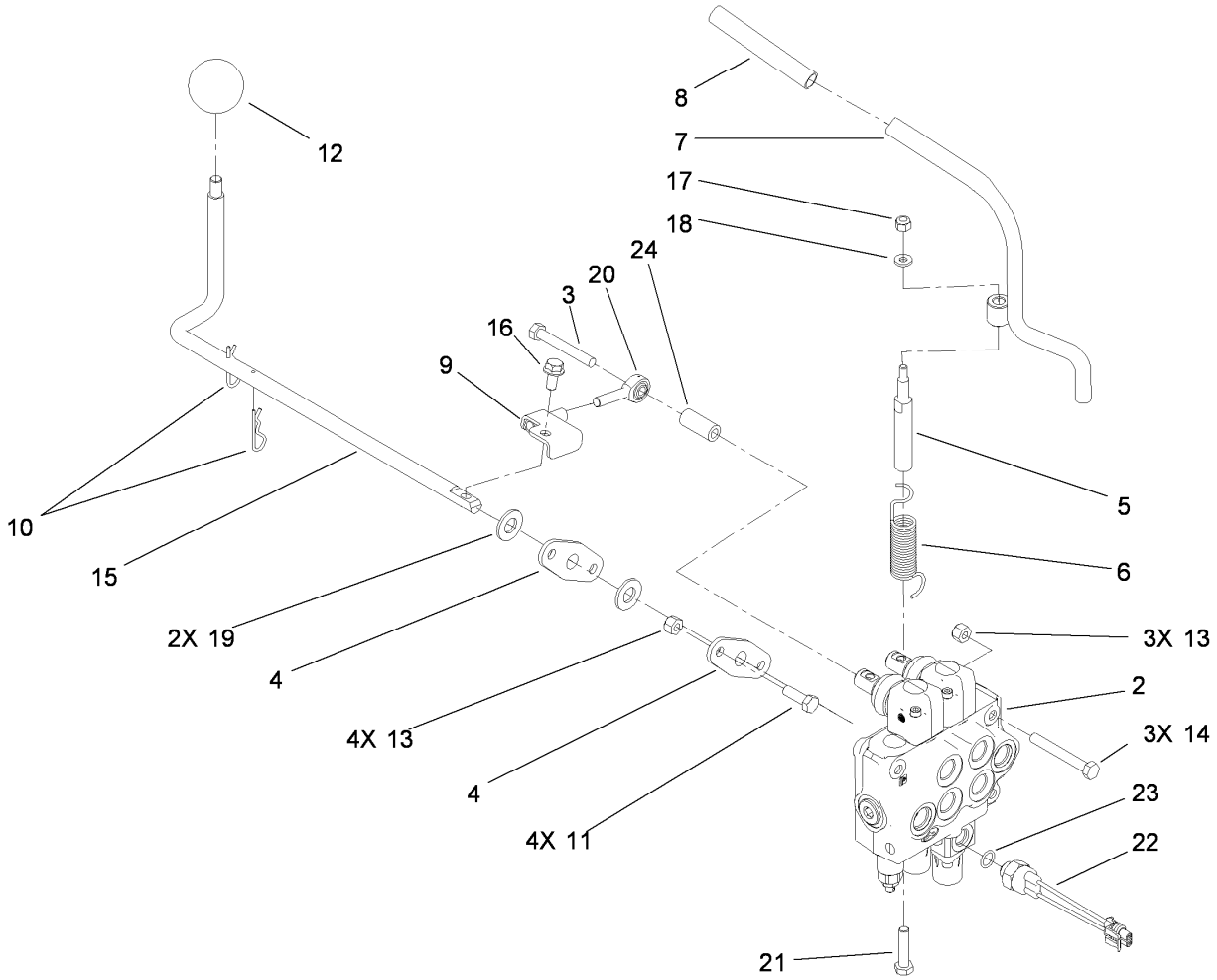
Ref.	Part Number	Qty.	Description
1	115-4000-01	1	Tower ASM
2	114-8633	1	Panel-Control
2:2	115-1231	1	Decal-Console, RH
2:3	115-1230	1	Decal-Console, LH
3	106-7715	1	Reference Bar ASM
4	112-4972	1	Tank-Fuel
5	104-7418	1	Cap-Fuel, Gas
5:3	104-7420	1	Gasket-Vented
6	114-3065-01	1	Bracket-Cover, Tank
8	100-1268	1	Switch-Plunger
10	322-5	2	Screw-HH
17	3296-29	2	Nut-Lock, NI
18	114-1337	2	Spacer-Spring
19	98-8425	1	Spring-Torsion, LH
20	98-8424	1	Spring-Torsion, RH
21	114-3012-03	1	Reverse Plate ASM
22	100-1263	1	Plate-Switch
23	3229-1	2	Screw-CARR
24	3256-22	4	Washer-Flat
25	32149-2	2	Nut-Keps
26	100-1270	1	Switch-Proximity

Ref.	Part Number	Qty.	Description
33	95-1726	4	Screw-Taptite
34	104-7048	1	Cap-Housing
35	104-7050	1	Tube-Manual
36	2412-120	2	R-Clamp
37	3269-17	2	Rivet-Pop
40	105-1217	1	Decal
41	3229-20	2	Screw-CARR
42	3256-51	2	Washer-Flat
43	32149-7	2	Nut-Keps
44	107-7507	1	Pad-Foam
45	3296-39	2	Nut-Lock, NI
46	323-11	2	Screw-HH
47	3256-24	2	Washer-Flat
48	256-257	2	Bushing-Nyliner
49	3234-11	8	Screw-HHF
50	32128-40	8	Nut-Flange
54	115-4006	1	Decal
55	115-4009	1	Decal-Information
56	114-8727	1	Rod-Interlock
57	85-6750	1	Spring-Control
58	88-7200	1	Washer-Flat



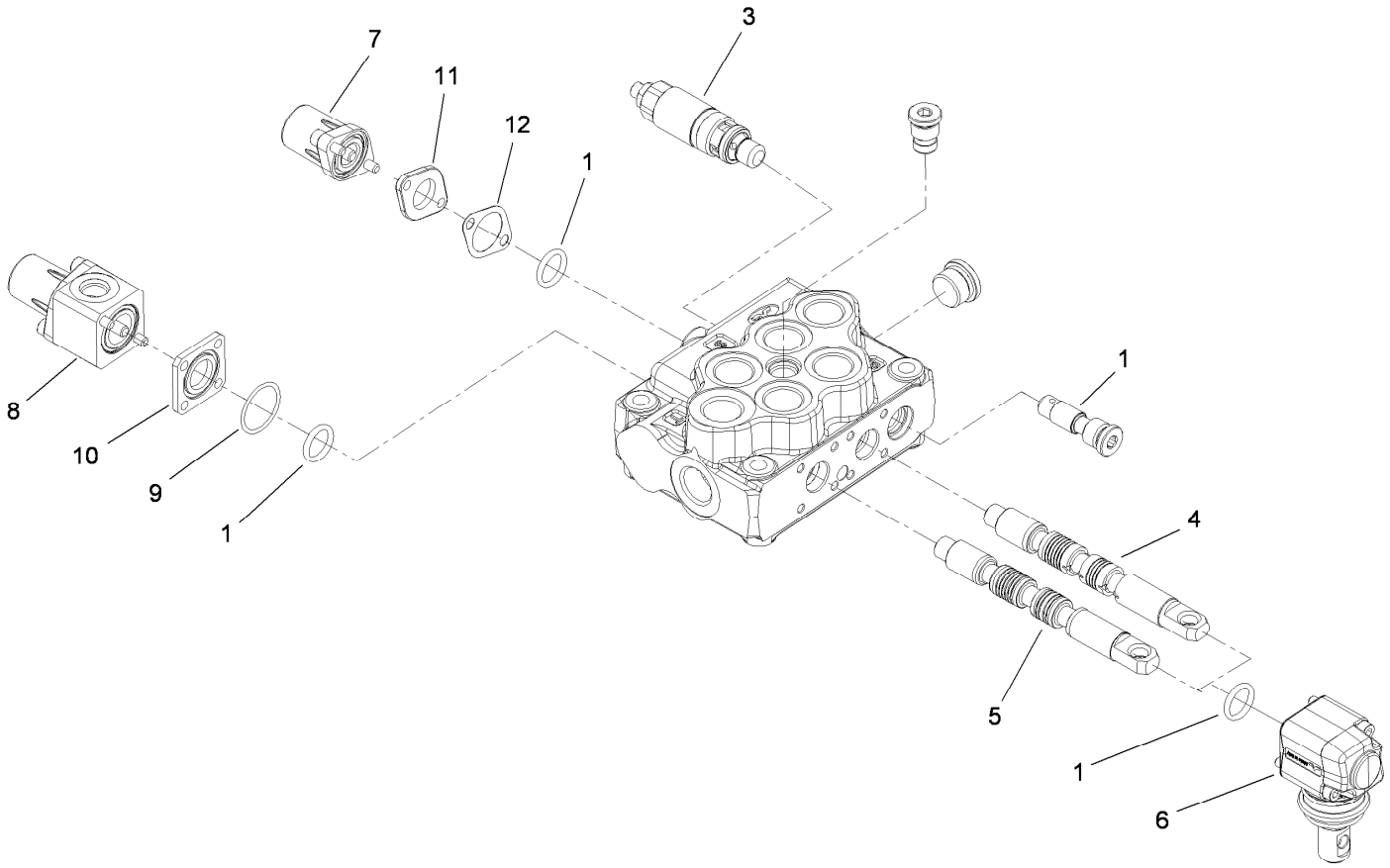
Control Tower Assembly (continued)

Ref.	Part Number	Qty.	Description
59	3290-307	1	Pin-Hair
60	3210-7	1	Screw-HH
61	3220-2	1	Nut-Jam
62	117-2718	1	Decal-Arrester, Spark
63	117-6447	1	Decal-Side, RH



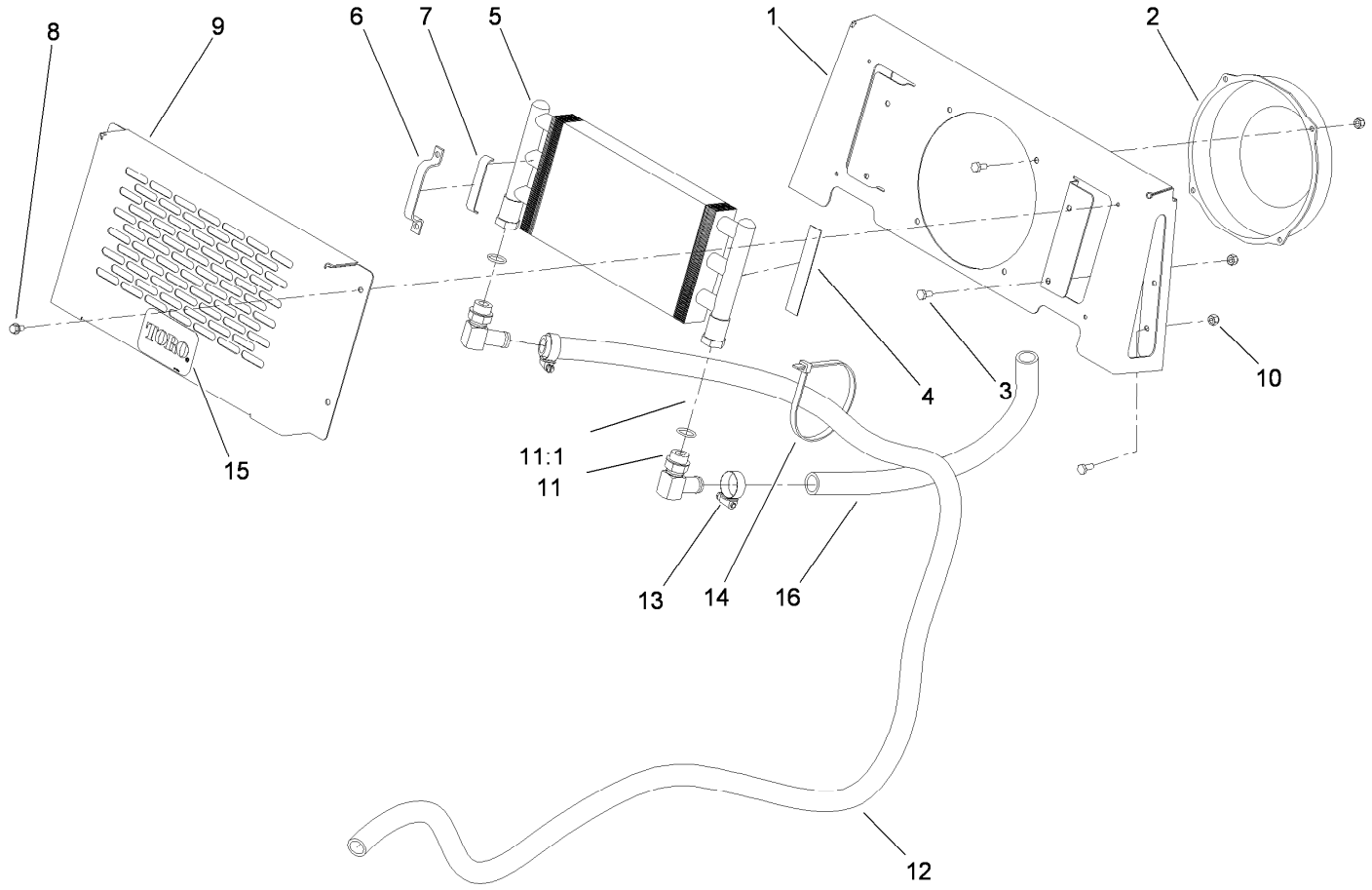
Hydraulic Control Assembly

Ref.	*Part Number*	*Qty.*	*Description*
2	115-4062	1	Hydraulic Valve ASM
3	33114-060	1	Screw-HH
4	20-1620	2	Bearing-Wheel, Friction
5	104-2827	1	Spacer-Hiflo
6	112-2738	1	Spring-Torsion
7	112-2739	1	Auxiliary Lever ASM
8	112-2605	1	Grip-Rubber
9	115-6530	1	Control ASM
10	3290-467	2	Pin-Hair
11	322-3	4	Screw-HH
12	233-21	1	Knob
13	3296-29	7	Nut-Lock, NI
14	322-12	3	Screw-HH
15	114-8598	1	Rod-Lever, Cylinder
16	3234-14	1	Screw-HHF
17	3296-42	1	Nut-Lock, NI
18	3256-16	1	Washer-Flat
19	3256-26	2	Washer-Flat
20	115-1273	1	Bearing-Rod End
21	48-7740	1	Screw
22	72-4310	1	Switch-Ball
23	237-42	1	O-Ring
24	103-0384	1	Spacer



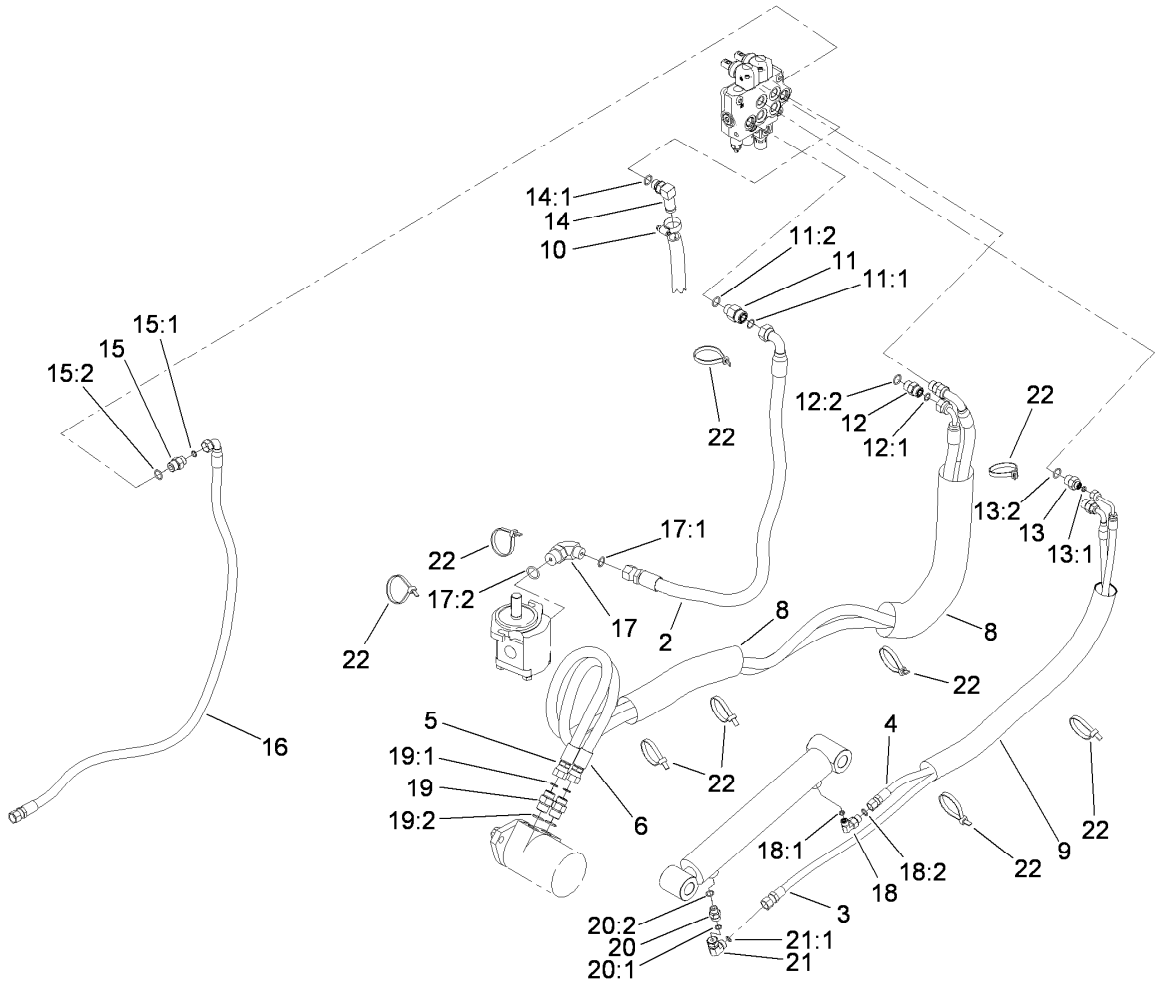
2-Spool Valve Assembly No. 115-4062

Ref.	*Part Number*	*Qty.*	*Description*
1	106-7719	4	Seal-Valve
3	100-8805	1	Valve-Relief
4	115-4084	1	Spool-Valve
5	106-7572	1	Spool
6	100-7229	2	Lever Kit
7	115-4092	1	Spring Return Kit
8	115-4093	1	Switch Spring Return Kit
9	115-4097	1	Seal-Return
10	115-4094	1	Spacer-Square
11	115-4089	1	Spacer-Spring Return
12	115-4088	1	Gasket-Return



Oil Cooler Assembly

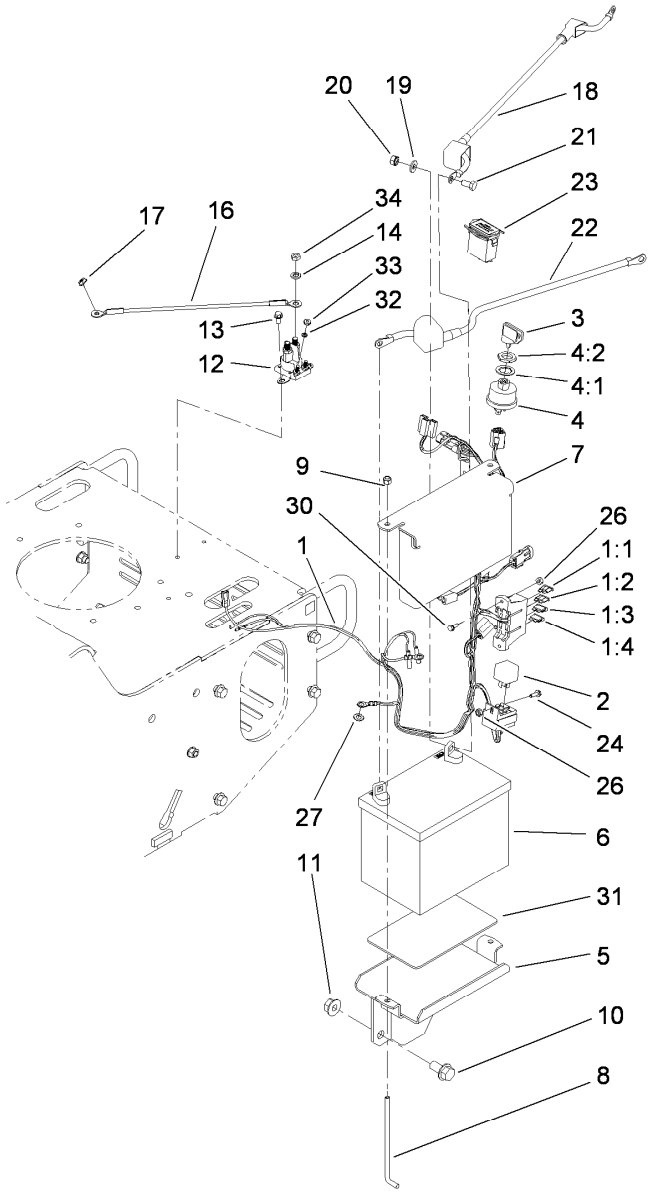
Ref.	*Part Number*	*Qty.*	*Description*
1	114-8588-03	1	Bracket-Fan
2	104-2809	1	Fan
3	321-3	12	Screw-HH
4	94-9566	2	Pad-Footrest
5	105-0352	1	Exchanger-Heat
6	104-2803	2	Support-Cooler
7	104-2816	2	Pad-Support
8	32104-116	4	Screw
9	114-8591-03	1	Bracket-Cover, Cooler
10	3296-42	12	Nut-Lock, NI
11	87-8170	2	Fitting
11:1	237-80	1	O-Ring
12	115-1207	1	Hose-Return
13	2412-129	2	Clamp-Hose
14	3334-945	1	Tie-Cable
15	99-2385	1	Decal-Toro
16	117-3966	1	Hose-Cooler



Hydraulic Routing Assembly

Ref.	Part Number	Qty.	Description
2	114-3043	1	Hose ASM
3	114-3044	1	Hose ASM
4	114-3045	1	Hose ASM
5	114-3046	1	Hose ASM
6	114-3085	1	HYD Hose ASM
8	99-5648	2	Sleeve-Protective
9	115-4064	1	Sleeve-Protective
10	2412-129	2	Clamp-Hose
11	340-155	1	Fitting-HYD, Straight
11:1	237-79	1	O-Ring
11:2	237-151	1	O-Ring
12	340-4	2	Fitting-HYD, Straight
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	340-133	2	Adapter
13:1	237-79	1	O-Ring
13:2	237-21	1	O-Ring
14	353-954	1	Adapter
14:1	237-79	1	O-Ring

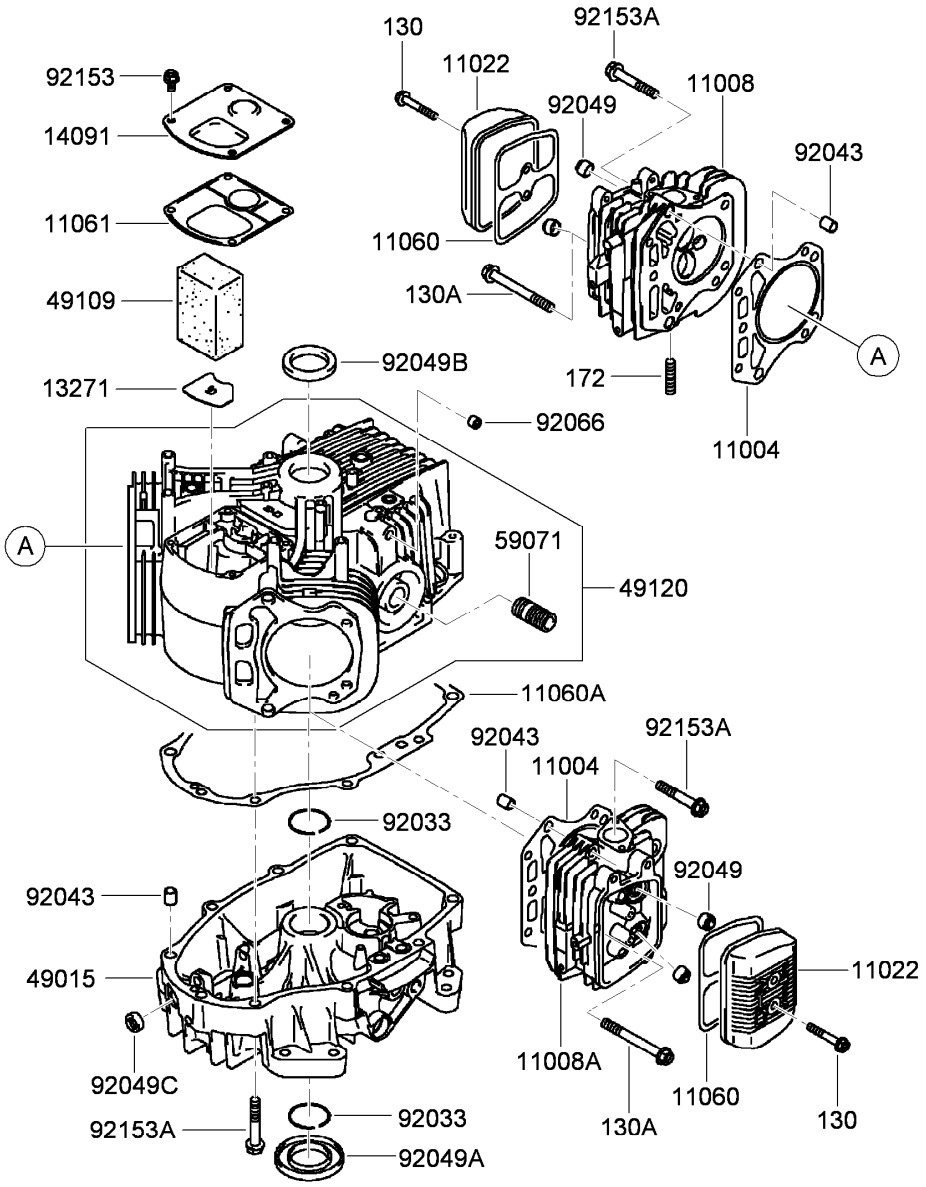
Ref.	Part Number	Qty.	Description
15	340-3	1	Adapter
15:1	237-22	1	O-Ring
15:2	237-79	1	O-Ring
16	117-4038	1	Hose ASM
17	340-139	1	Fitting-HYD, 90 DEG
17:1	237-81	1	O-Ring
17:2	237-65	1	O-Ring
18	340-82	1	Adapter
18:1	237-42	1	O-Ring
18:2	237-21	1	O-Ring
19	340-6	2	Fitting-HYD, Straight
19:1	237-30	1	O-Ring
19:2	237-80	1	O-Ring
20	115-4081	1	Valve-Check
20:1	237-42	1	O-Ring
20:2	237-22	1	O-Ring
21	340-159	1	Fitting-HYD, 90 DEG
21:1	237-22	2	O-Ring
22	3334-945	9	Tie-Cable



Electrical Assembly

Ref.	Part Number	Qty.	Description
1	114-3084	1	Harness-Wire
1:1	109103	1	Fuse-30 Amp
1:2	109102	1	Fuse-25 Amp
1:3	109355	2	Fuse-15 Amp
1:4	116-0053	1	Cap-Plug
2	98-7249	1	Relay
3	63-8360	1	Key-Ignition
4	88-9830	1	Key Switch ASM
4:1	3254-5	1	Washer-Tooth, Internal
4:2	218-461	1	Nut-HH
5	105-3150-01	1	Battery Tray ASM
6	104-8162	1	Battery
7	115-6621-03	1	Plate-Hold Down, Battery
8	104-8567	2	Holdown-Battery
9	3296-42	2	Nut-Lock, NI
10	3234-6	2	Screw-HHF]
11	32128-49	2	Nut-HHF
12	117-1197	1	Solenoid

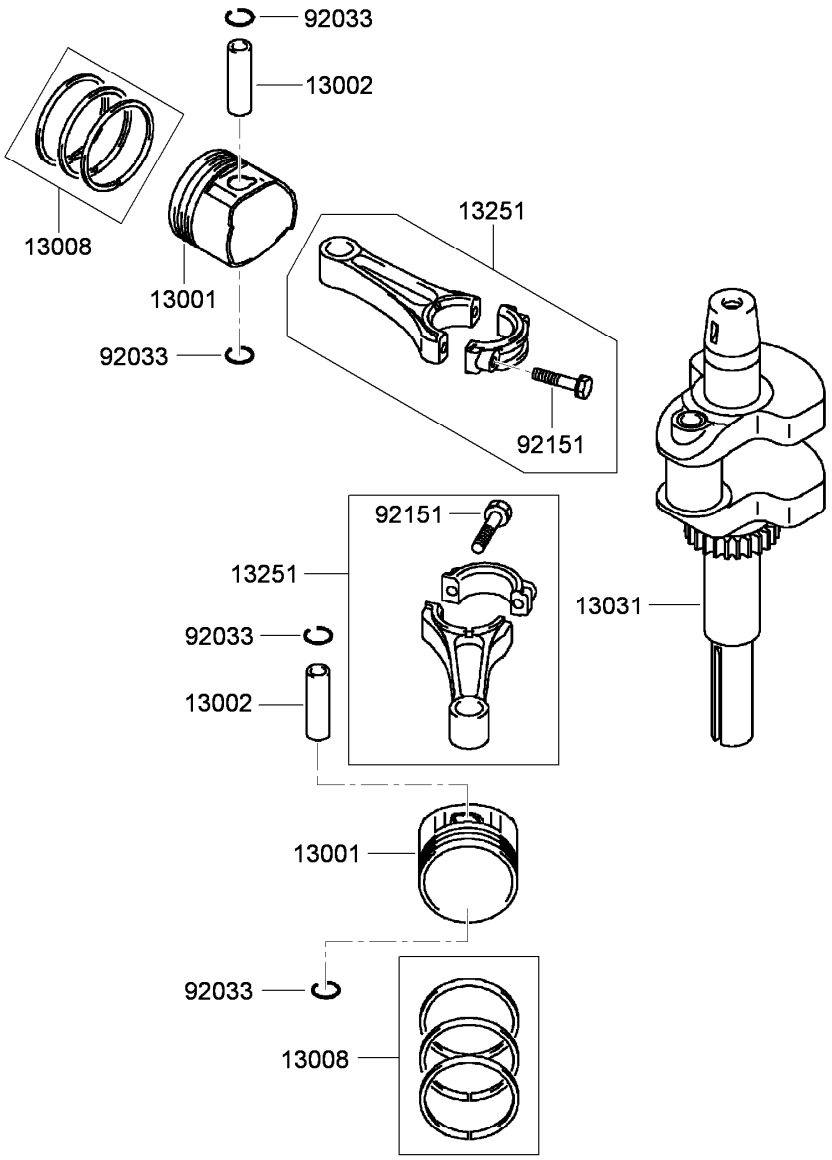
Ref.	Part Number	Qty.	Description
13	32144-4	2	Screw-HWH
14	3253-4	2	Washer-Lock
16	28-3891	1	Wire-Solenoid/Starter
17	32149-2	1	Nut-Keps
18	112-9708	1	Cable-Battery, Red
19	3256-2	2	Washer-Flat
20	32149-1	2	Nut-Keps
21	322-3	2	Screw-HH
22	115-4024	1	Cable-Battery, Black
23	1-513374	1	Meter-Hour
24	32105-23	1	Screw
26	3296-2	2	Nut-Lock, NI
27	3255-8	1	Washer-Lock
30	32105-13	1	Screw-HWH
31	62-4300	1	Pad-Skid, Anti
32	3253-17	2	Washer-Lock
33	3219-14	2	Nut-Hex
34	3220-2	2	Nut-Jam



Cylinder and Crankcase Assembly

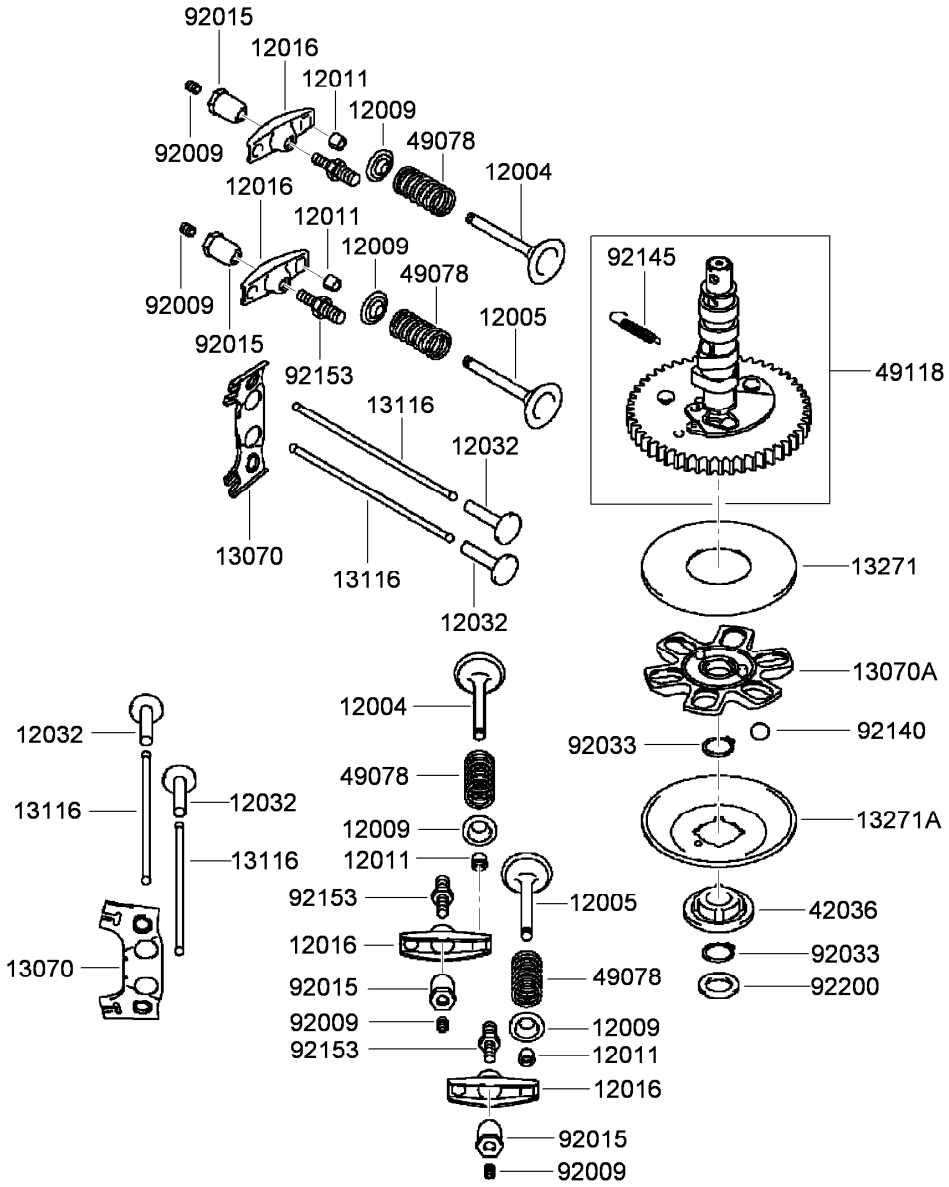
Ref.	*Part Number*	*Qty.*	*Description*
130	100-2805	4	Bolt-Flanged (6X40)
130A	114-8657	2	Bolt-Flanged (8X75)
172	114-8658	4	Bolt-Stud (8X18)
11004	115-6550	2	Gasket-Head
11008	115-6551	1	Head-Cylinder, No.1
11008A	115-6552	1	Head-Cylinder, No.2
11022	114-8643	2	Case-Rocker
11060	114-8644	2	Gasket-Case, Rocker
11060A	115-6553	1	Gasket-Cover, Crankcase
11061	115-6554	1	Gasket-Breather
13271	115-6555	1	Plate
14091	115-6556	1	Cover
49015	115-6557	1	Cover-Crankcase
49109	115-6558	1	Element-Breather

Ref.	*Part Number*	*Qty.*	*Description*
49120	115-6559	1	Crankcase
59071	95-9715	1	Joint
92033	115-6560	2	Ring-Snap
92043	108-2510	6	Pin
92049	114-8650	4	Seal-Oil, Rv C2 (6X11X10.2)
92049A	114-8651	1	Seal-Oil, Sd (35X62X8 L HSH)
92049B	114-8652	1	Seal-Oil, S D (35X48X8 R HSH)
92049C	114-8653	1	Seal-Oil, S O (8X14X5 HSH)
92066	115-6405	1	Plug
92153	114-8655	4	Bolt (6X12)
92153A	114-8656	17	Bolt (8X50)



Piston and Crankshaft Assembly

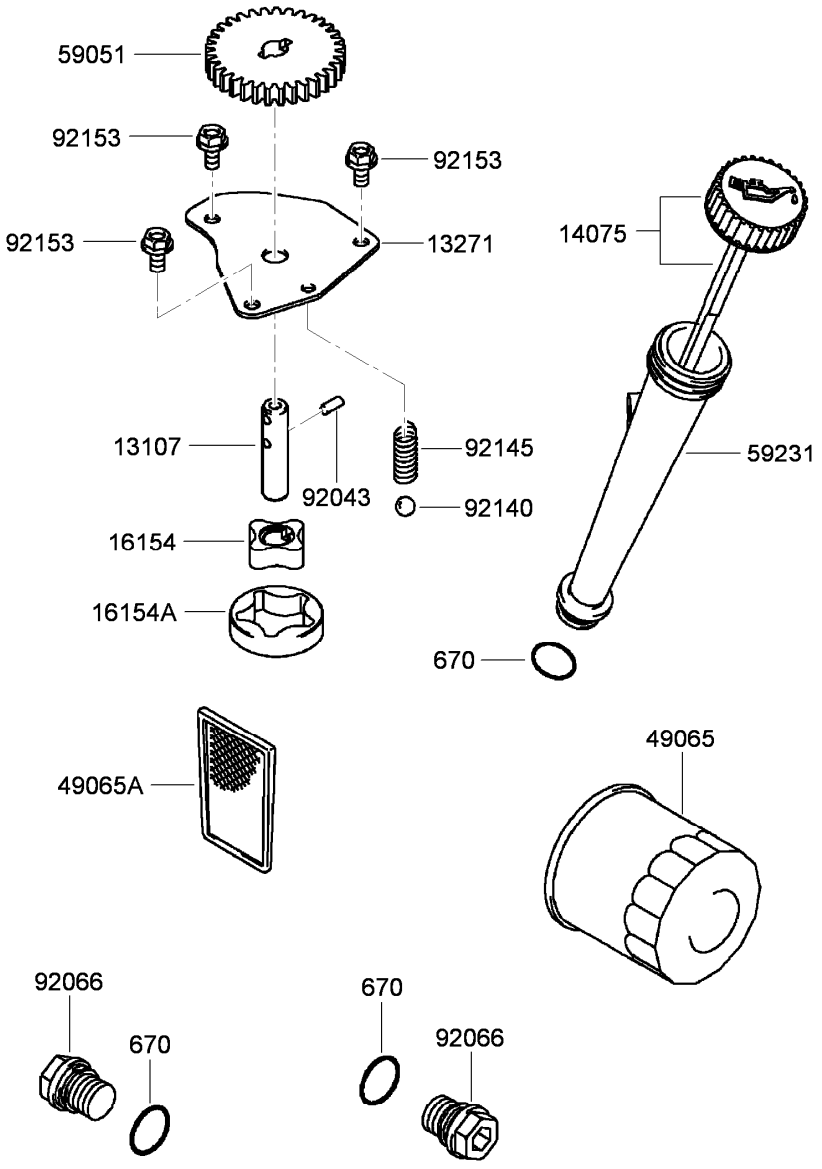
Ref.	*Part Number*	*Qty.*	*Description*
13001	115-6561	2	Piston-Engine
13002	108-2517	2	Pin-Piston
13008	115-6562	2	Piston Ring Set
13031	115-6563	1	Crankshaft
13251	115-6564	2	Connecting Rod ASM
92033	114-8665	4	Ring-Snap
92151	115-6565	4	Bolt (6X35)



Valve and Camshaft Assembly

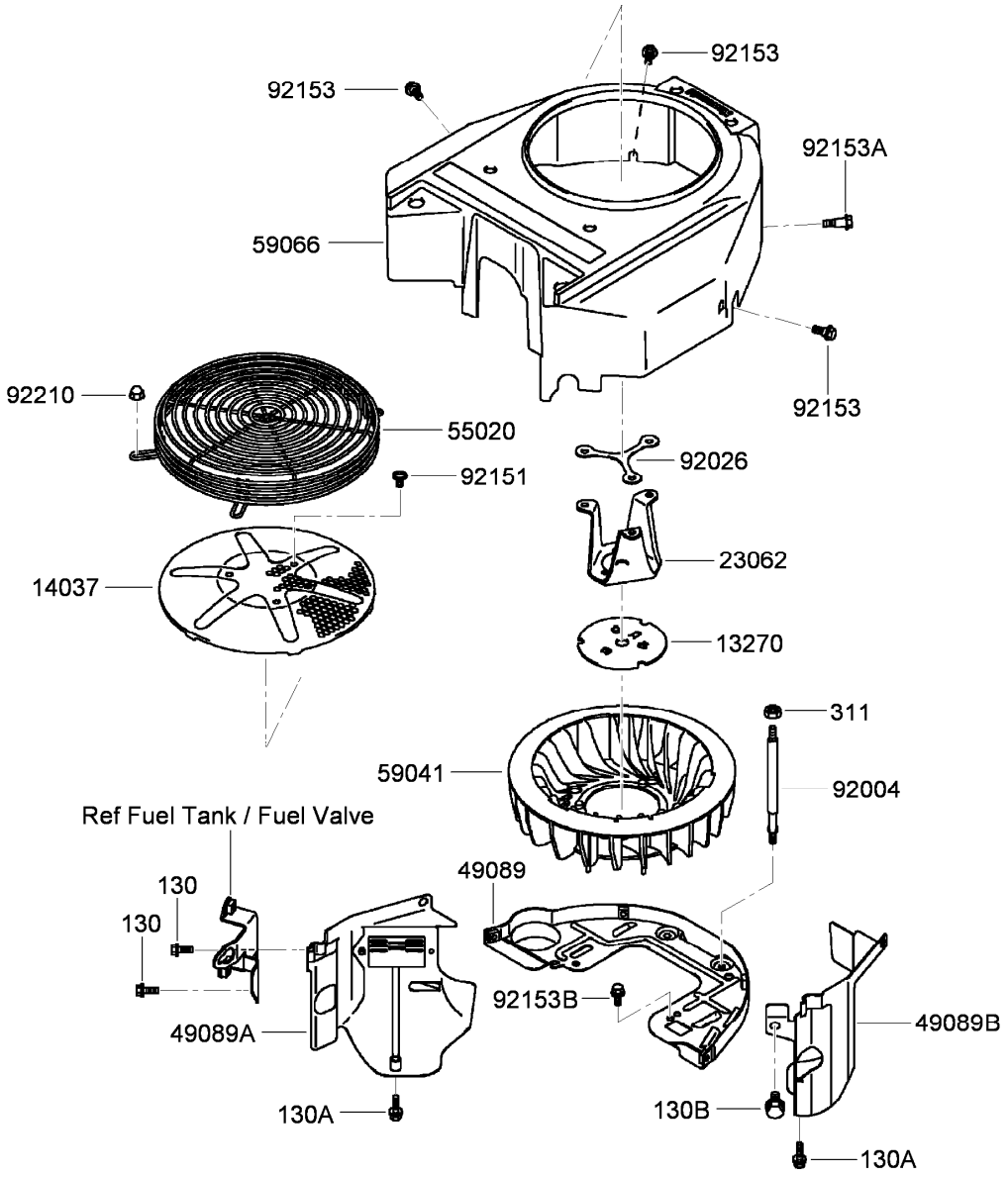
Ref.	Part Number	Qty.	Description
12004	108-2523	2	Valve-Intake
12005	108-2524	2	Valve-Exhaust
12009	108-2525	4	Retainer-Spring, Valve
12011	95-9744	8	Collet
12016	114-8668	4	Arm-Rocker
12032	108-2527	4	Tappet
13070	114-8669	2	Guide
13070A	114-8670	1	Guide
13116	95-9748	4	Rod-Push
13271	114-8671	1	Plate
13271A	114-8672	1	Plate-Governor

Ref.	Part Number	Qty.	Description
42036	114-8673	1	Sleeve
49078	108-2533	4	Spring-Valve, Engine
49118	115-6566	1	Camshaft
92009	108-2534	4	Screw
92015	93-8534	4	Nut
92033	114-8675	2	Ring-Snap
92140	114-8676	6	Ball
92145	114-8677	1	Spring
92153	108-2537	4	Bolt
92200	114-8678	1	Washer



Lubrication Equipment Assembly

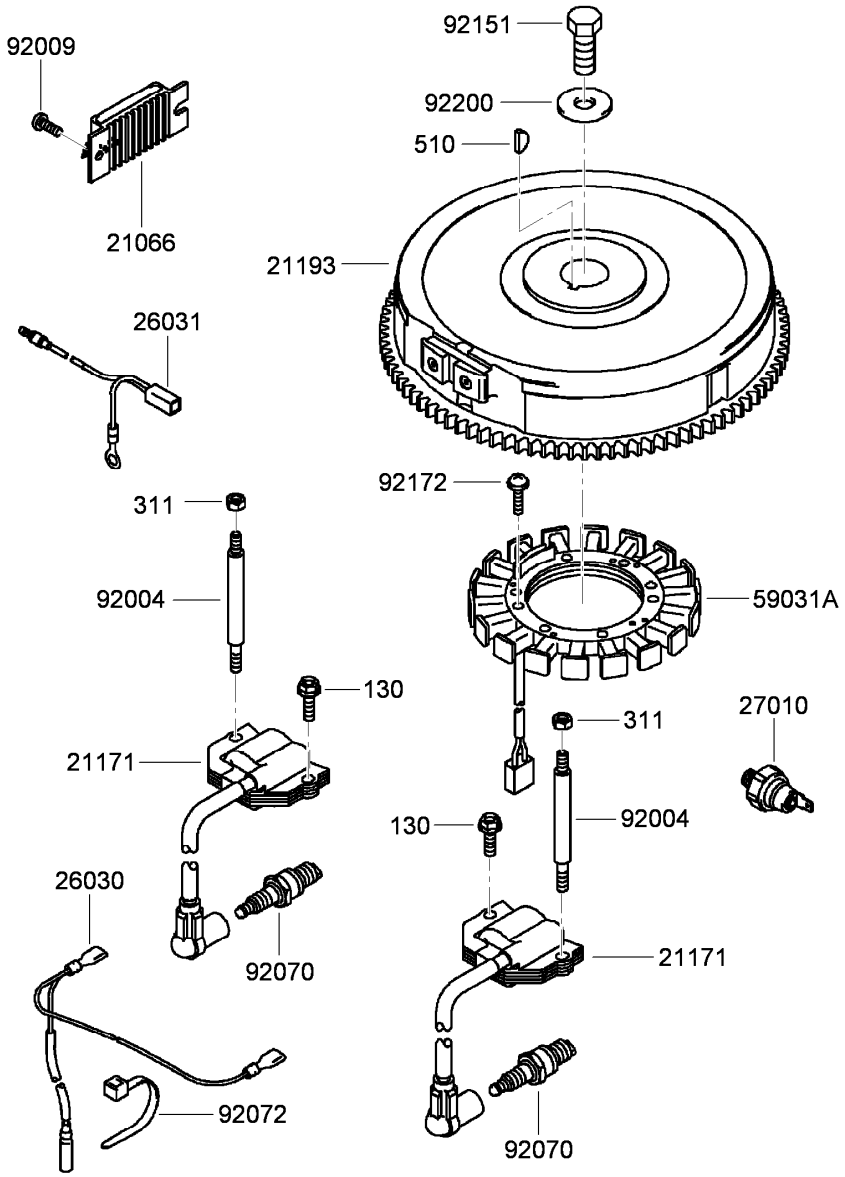
Ref.	*Part Number*	*Qty.*	*Description*
670	100-2690	3	O-Ring (16Mm)
13107	114-8679	1	Shaft
13271	114-8680	1	Plate
14075	114-8681	1	Cap-ASM
16154	95-9760	1	Rotor-Pump (In)
16154A	95-9761	1	Rotor Pump, Out
49065	KW10761	1	Filter-Oil
49065A	114-8683	1	Filter-Oil
59051	114-8684	1	Gear-Spur
59231	115-6567	1	Filler
92043	114-8686	2	Pin
92066	112-9991	2	Plug-Drain, Oil
92140	114-8687	1	Ball
92145	114-8688	1	Spring
92153	114-8655	3	Bolt (6X12)



Cooling Equipment Assembly

Ref.	*Part Number*	*Qty.*	*Description*
130	95-9837	2	Bolt-Flanged (6X16)
130A	93-8548	2	Bolt-Flanged (6X25)
130B	93-8679	1	Bolt-Flanged
311	114-8698	2	Nut-Hex (6Mm)
13270	114-8689	1	Plate
14037	115-6568	1	Screen
23062	115-6569	1	Bracket
49089	115-6570	1	Shroud-Engine
49089A	115-6571	1	Shroud-Engine
49089B	115-6572	1	Shroud-Engine

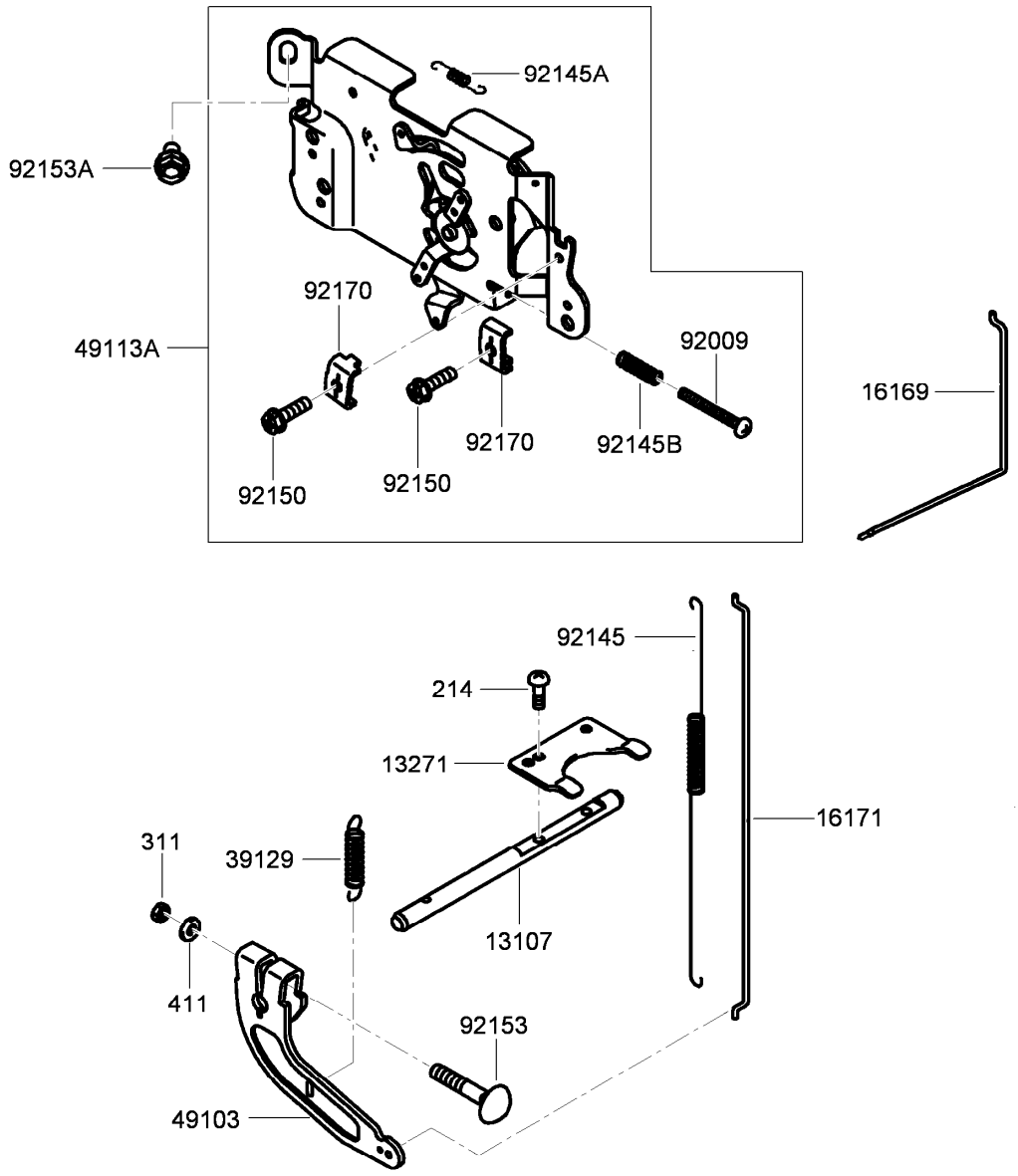
Ref.	*Part Number*	*Qty.*	*Description*
55020	115-6573	1	Guard
59041	114-8694	1	Fan
59066	115-6574	1	Housing-Fan
92004	115-6575	2	Stud
92026	115-6576	1	Spacer
92151	119-5995	3	Bolt, 6X12
92153	108-2544	3	Bolt
92153A	114-8697	1	Bolt
92153B	114-8655	2	Bolt (6X12)
92210	100-2603	1	Nut



Electric Equipment Assembly

Ref.	Part Number	Qty.	Description
130	95-9893	2	Bolt-Flanged (6X20)
311	114-8698	2	Nut-Hex (6Mm)
510	114-8639	1	Key-Woodruff
21066	115-6578	1	Regulator-Voltage
21171	115-6579	2	Ignition Coil ASM
21193	115-6580	1	Flywheel ASM
26030	115-6402	1	Harness
26031	115-6581	1	Harness
27010	117-6262	1	Switch

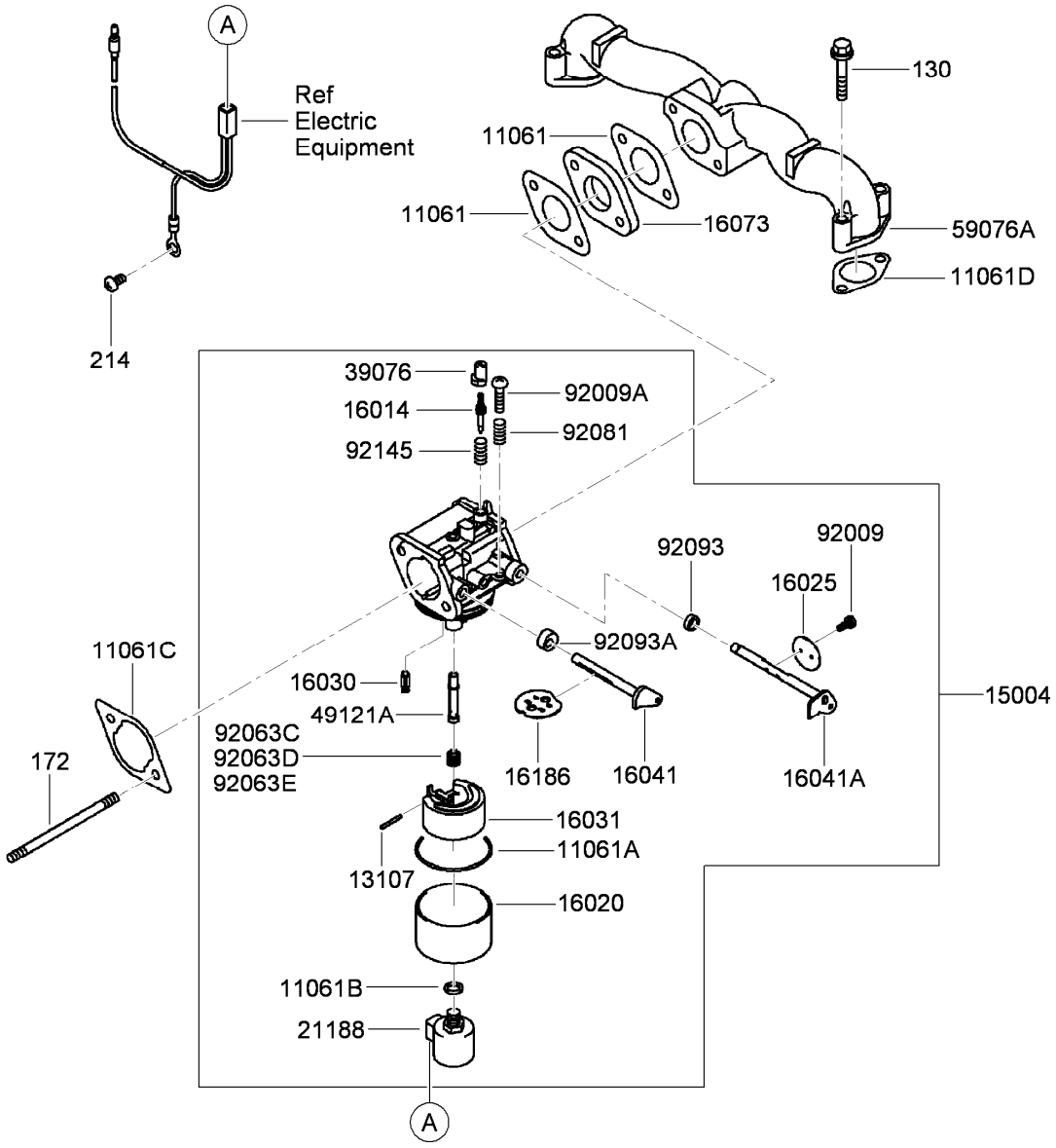
Ref.	Part Number	Qty.	Description
59031A	119-5996	1	Coil-Charging
92004	115-6584	2	Stud
92009	95-9716	1	Screw
92070	115-6407	2	Sparkplug
92072	115-6585	3	Band
92151	115-6408	1	Bolt (12X30)
92172	115-4030	4	Screw (5X20)
92200	115-4031	1	Washer (12.2X46X3)



Control Equipment Assembly

Ref.	Part Number	Qty.	Description
214	115-6422	2	Screw-Pan (4X8)
311	114-8698	1	Nut-Hex (6Mm)
411	115-6423	1	Washer-Plain (6Mm)
13107	115-6409	1	Shaft
13271	115-6410	1	Plate
16169	115-6586	1	Link-Choke
16171	115-6587	1	Link
39129	115-6413	1	Spring-Governor
49103	115-6414	1	Arm-Governor

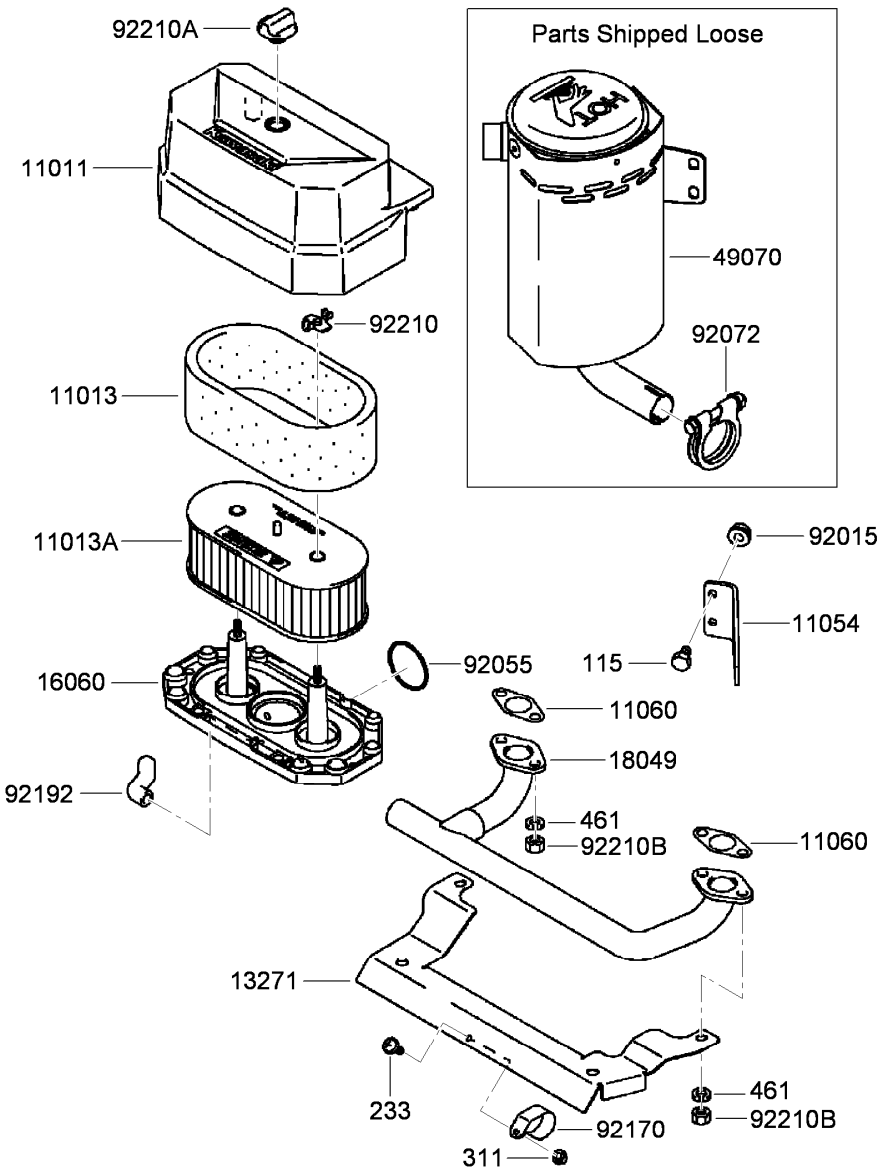
Ref.	Part Number	Qty.	Description
49113A	119-5997	1	Panel-Control
92009	115-6416	1	Screw (4X35)
92145	115-6417	1	Spring
92145A	115-6418	1	Spring
92145B	115-6620	1	Spring
92150	95-9853	2	Bolt (5X18)
92153	115-6420	1	Bolt (6X35)
92153A	114-8655	2	Bolt (6X12)
92170	115-6421	2	Clamp



Carburetor Assembly

Ref.	Part Number	Qty.	Description
130	115-6591	4	Bolt-Flanged (6X35)
172	115-6596	2	Bolt-Stud (6X90)
214	115-6598	1	Screw-Pan+- (5X10)
11061	115-6424	2	Gasket-Insulator
11061A	115-6425	1	Gasket-Chamber
11061B	108-2580	1	Gasket-Screw
11061C	115-6426	1	Gasket-Cleaner, Air
11061D	115-6590	2	Gasket
13107	115-6427	1	Shaft
15004	119-5998	1	Carburetor-ASM
16014	115-6593	1	Screw-Air, Pilot
16020	115-6430	1	Chamber-Float
16025	115-6431	1	Valve-Throttle
16030	115-6432	1	Valve-Float
16031	115-6433	1	Float
16041	115-6434	1	Shaft-Choke, Carburetor

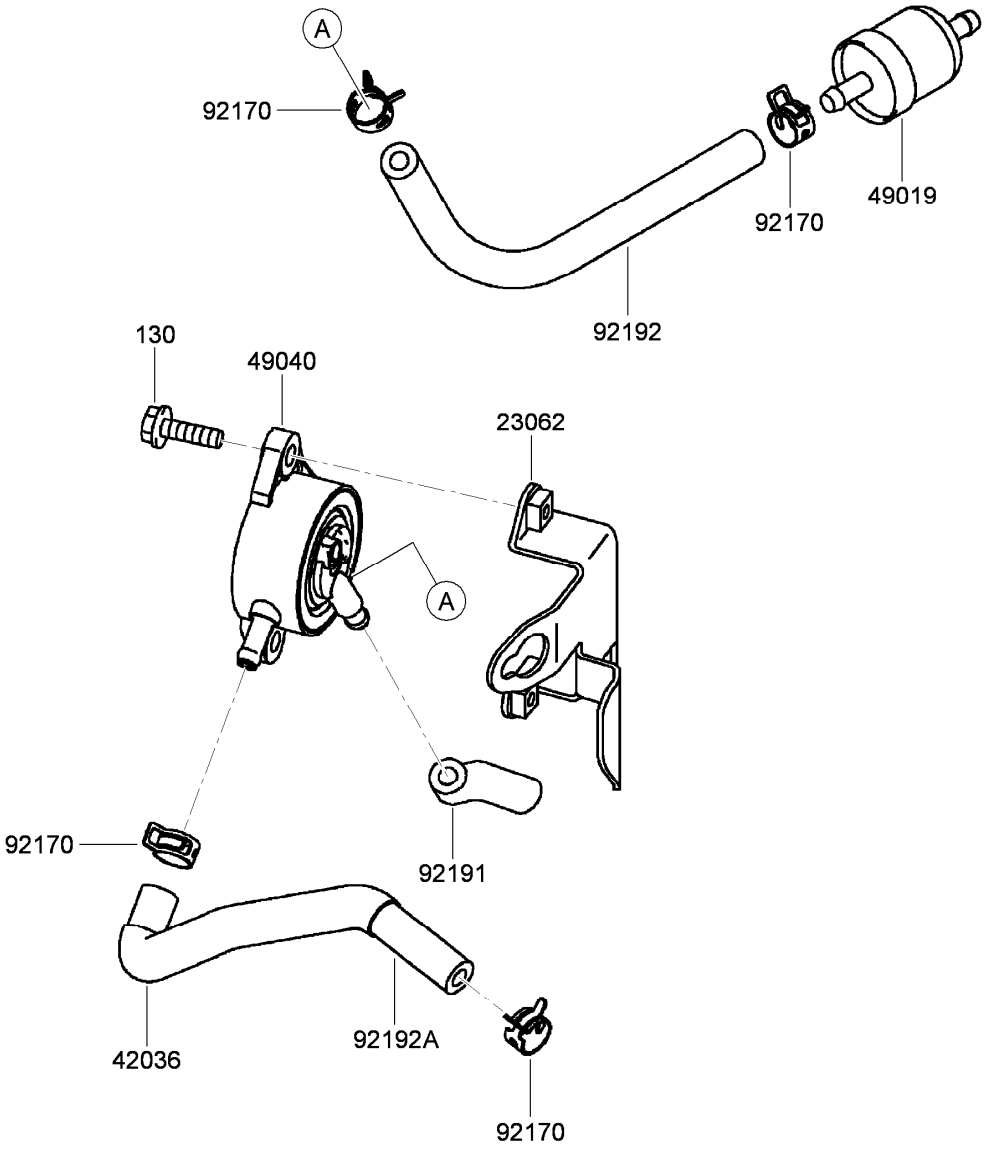
Ref.	Part Number	Qty.	Description
16041A	115-6435	1	Shaft-Throttle, Carburetor
16073	115-6594	1	Insulator
16186	115-6595	1	Choke Valve ASM
21188	115-6597	1	Solenoid
39076	108-2593	1	Limiter
49121A	119-5999	1	Nozzle-Main
59076A	117-6258	1	Manifold-Intake
92009	108-2595	2	Screw
92009A	108-2596	1	Screw
92063C	117-6259	1	Jet-Main, #108
92063D	117-6260	1	Jet-Main, #106, 3280Ft
92063E	117-6261	1	Jet-Main, #104, 6560Ft
92081	108-2598	1	Spring
92093	108-2599	1	Seal
92093A	115-6443	1	Seal
92145	108-2600	1	Spring



Air Filter and Muffler Assembly

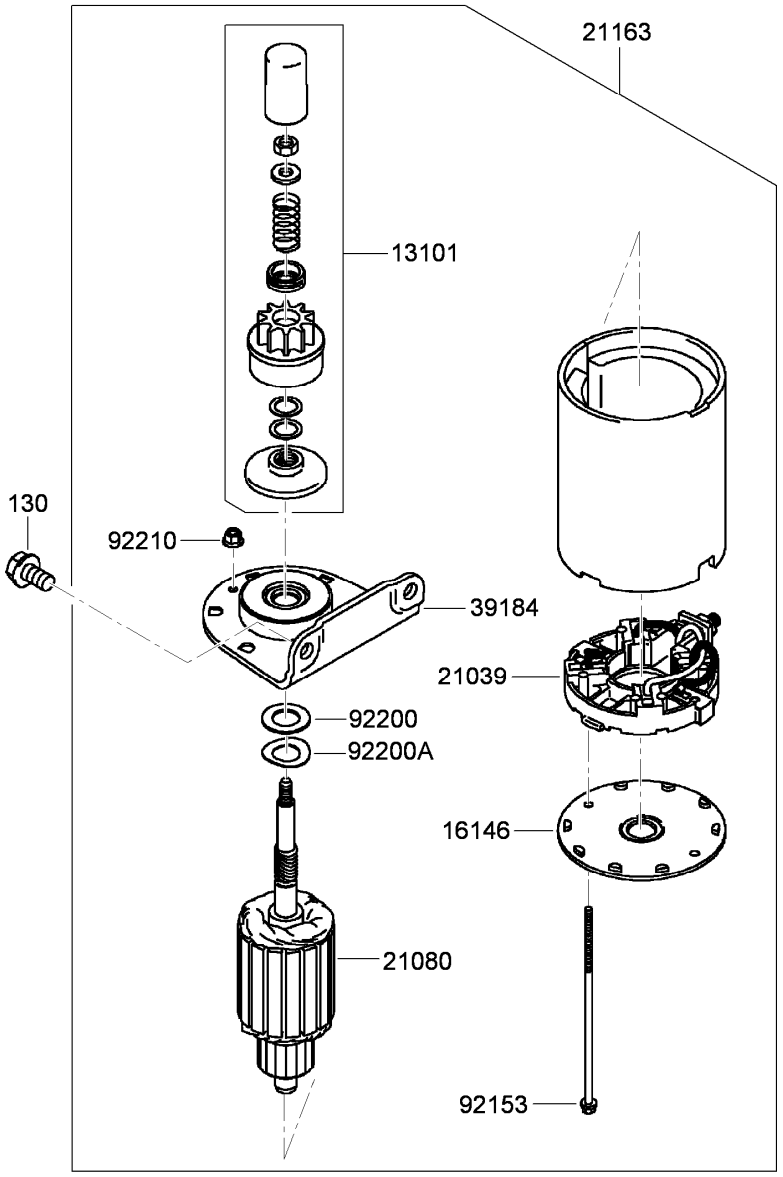
Ref.	Part Number	Qty.	Description
115	115-6606	2	Bolt-Upset, Small (8X14)
233	115-6494	1	Screw-Pan
311	115-6495	1	Nut-Hex
461	115-6496	4	Washer-Spring (8Mm)
11011	115-6604	1	Case-Filter, Air
11013	115-6473	1	Element-Filter, Air
11013A	115-6474	1	Element-Filter, Air
11054	115-6605	1	Bracket
11060	115-6477	2	Gasket-Muffler
13271	115-6607	1	Plate
16060	115-6479	1	Pipe-Intake

Ref.	Part Number	Qty.	Description
18049	115-6608	1	Pipe-Exhaust
49070	115-6609	1	Muffler
92015	95-9793	2	Nut
92055	115-6485	1	O-Ring
92072	115-6486	1	Band
92170	115-6488	1	Clamp
92192	115-6489	1	Tube
92210	115-6490	2	Nut
92210A	108-2612	1	Nut
92210B	115-6611	4	Nut-Hex (M8)



Fuel Tank and Valve Assembly

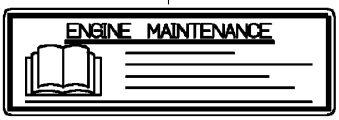
Ref.	*Part Number*	*Qty.*	*Description*
130	95-9893	2	Bolt-Flanged (6X20)
23062	115-6445	1	Bracket
42036	115-6499	1	Sleeve
49019	115-6447	1	Filter-Fuel
49040	115-6448	1	Pump-Fuel
92170	100-2820	4	Clamp
92191	115-6450	1	Tube
92192	115-6451	1	Tube (6.35X12.7X160)
92192A	115-6452	1	Tube (6.35X12.7X180)



Starter Assembly

Ref.	*Part Number*	*Qty.*	*Description*
130	93-8679	2	Bolt-Flanged
13101	115-6612	1	Gear ASM
16146	117-6263	1	Cover-ASM
21039	115-6613	1	Brush
21080	115-6614	1	Armature
21163	115-6615	1	Starter-Electric
39184	115-6616	1	Bracket ASM
92153	117-6264	1	Bolt
92200	117-6265	2	Washer
92200A	117-6266	1	Washer
92210	117-6267	2	Nut

56033



56070



56080



Label Set

Ref.	*Part Number*	*Qty.*	*Description*
56033	117-6268	1	Label-Manual
56070	115-6469	1	Label-Warning
56080	115-6619	1	Label-Brand

Attachments and Accessories

For 22971 TRX-19 Trencher

Product Name	Model/Part
Heavy-Duty Air Filter Kit	115-4029
Crumber Kit	22477
24in X 4in Soil Chain	22480
24in X 4in Combination Chain	22481
24in X 4in Rock Tooth Chain	22482
24in X 6in Soil Chain	22483
24in X 6in Combination Chain	22484
24in X 6in Rock Tooth Chain	22485
36in X 4in Soil Chain	22486
36in X 4in Combination Chain	22487
36in X 4in Rock Tooth Chain	22488
36in X 6in Rock Tooth Chain	22489
36in X 6in Soil Chain	22490
36in X 6in Combination Chain	22491
48in x 4in Soil Chain	22492
48in x 4in Combination Chain	22493
48in x 6in Soil Chain	22494
48in x 6in Combination Chain	22495
24in Trencher Boom	22975
36in Trencher Boom	22976
48in Trencher Boom	22977
Backfill Blade	22980
Screen-Spark Arrestor	94-8157

Notes:

Notes:

Notes:



Count on it.