



Mid-Size Mower

ProLine Hydro 15hp with 36in Side Discharge Mower

Model No. 30524—220000001 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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Kawasaki FH451V–BS04	15	Kawasaki FH451V–BS04	24
Piston/Crankshaft Assembly		Starter Assembly	
Kawasaki FH451V–BS04	16	Kawasaki FH451V–BS04	25
Valve/Camshaft Assembly		Label Assembly	
Kawasaki FH451V–BS04	17	Kawasaki FH451V–BS04	26
Lubrication Equipment Assembly			
Kawasaki FH451V–BS04	18		

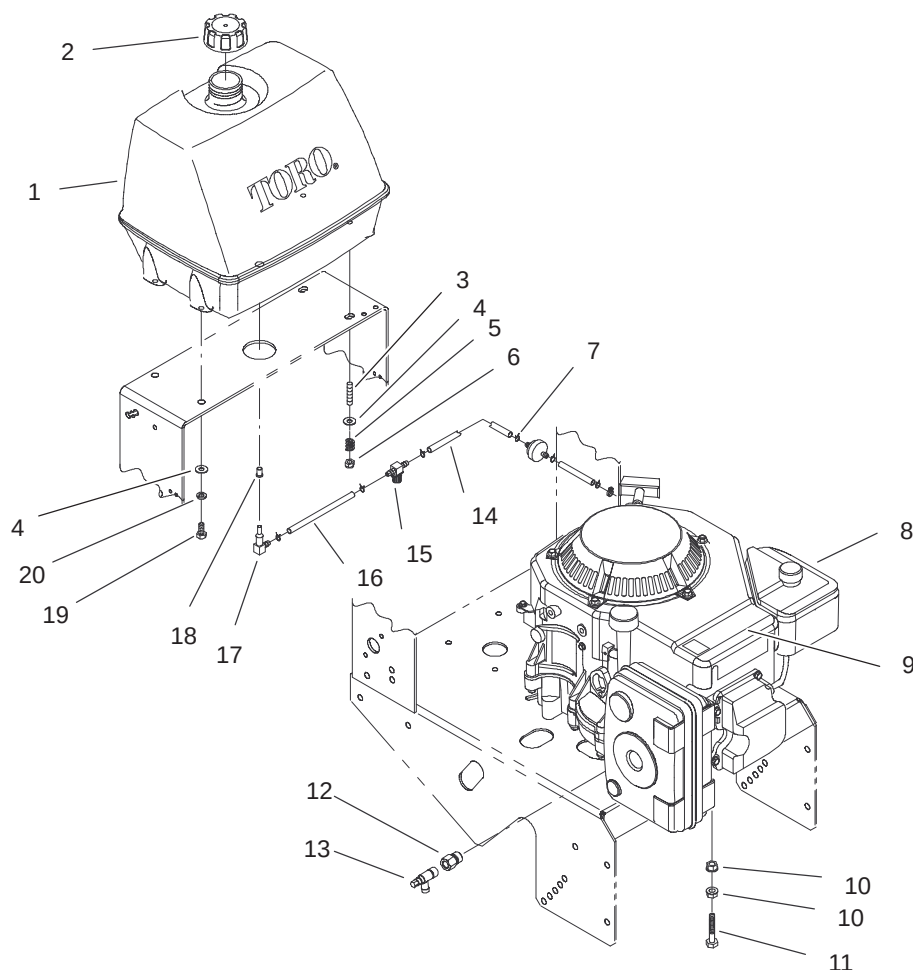
Accessories

Description	Model / Part No.	Description	Model / Part No.
Parking Brake Kit	106–2746	Soft Bagger	30198
Recycler Kit	30142	Atomic Blade	104–8590
Low Sail Blade	103–2508		

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head
HWHTF	hex washer head thread forming	WH	wing head

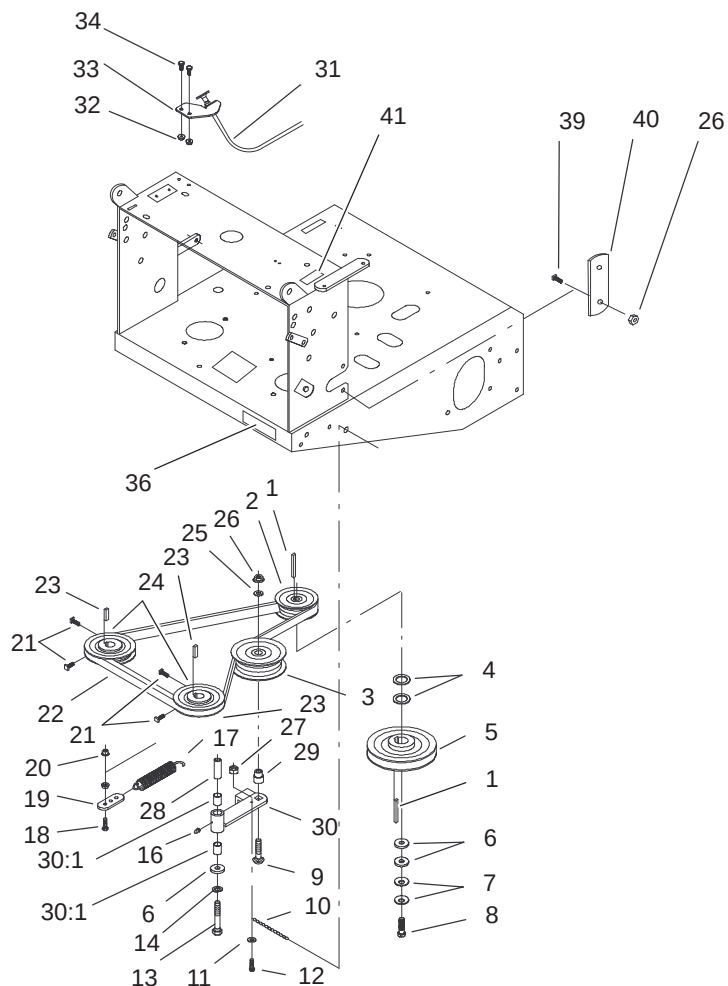


Sheet No.: 2

Engine and Fuel System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-323551	1	Tank-Fuel				
2	1-513508	1	Cap-Fuel				
3	1-633023	2	Stud				
4	3256-23	4	Washer-Flat				
5	1-633349	2	Spring-Tank, Fuel				
6	3296-47	2	Nut-Lock, NI				
7	1-303077	4	Clamp-Line, Fuel				
☆8		1	Engine-Kawasaki, FH451V-BS04				
9	63-8440	1	Decal-Surface, Hot				
10	3290-357	2	Nut-HHF				
11	323-13	1	Screw-HH				
12	103-1966	1	Adapter				
13	103-1965	1	Valve-Drain, Oil				
14	1-303022	1	Hose-Line, Fuel				
15	1-603770	1	Valve-Fuel				
16	1-603955	1	Hose-Line, Fuel				
17	1-543277	1	Elbow-Tank, Fuel				
18	1-513645	1	Bushing-Valve, Fuel				
19	322-3	2	Screw-HH				
20	1-805005	2	Washer-Lock				

☆ Not serviced separately

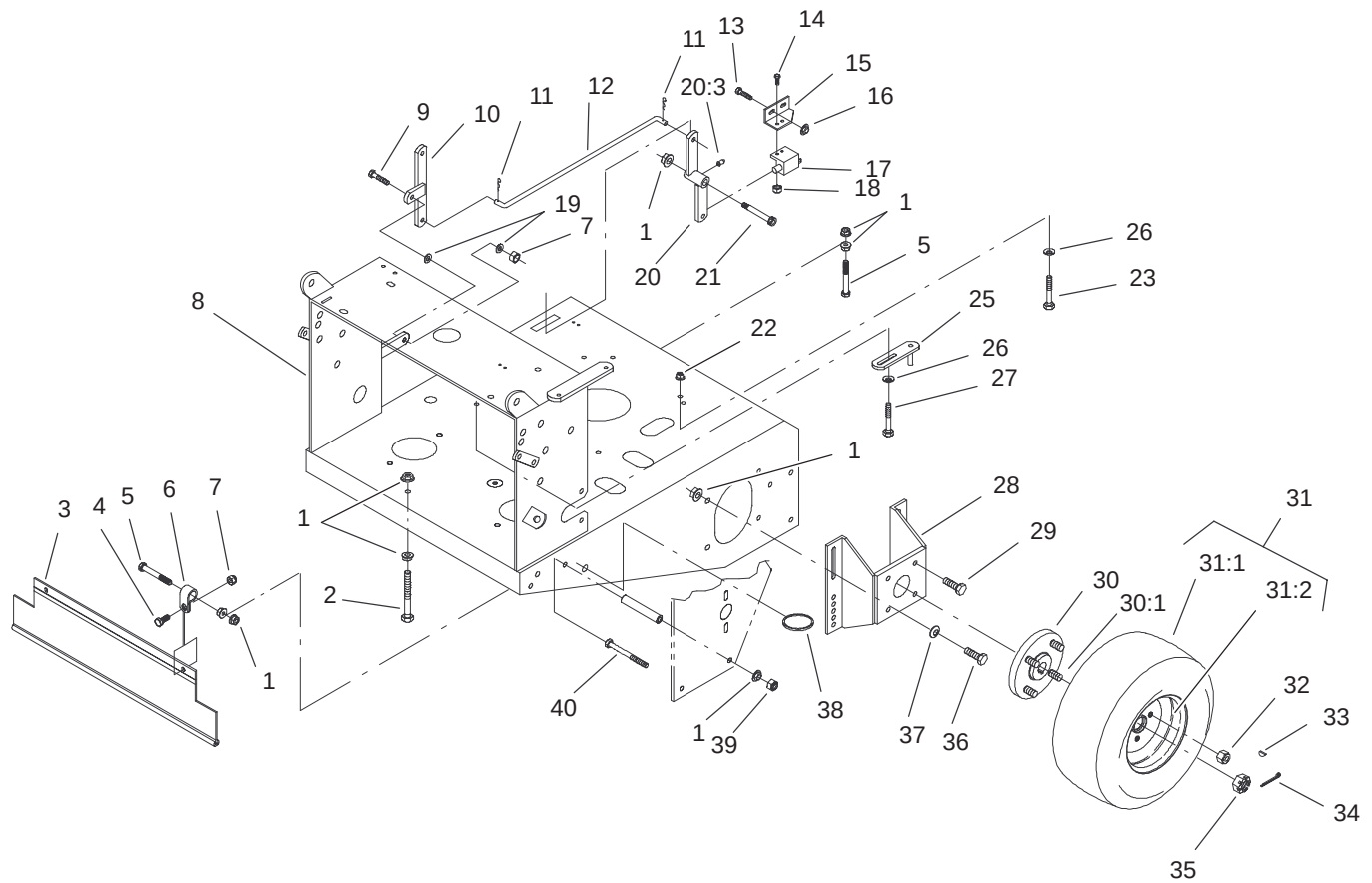


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Transmission and Drive Pulley Assembly

Ref. No.	Part No.	Qty.	Description
1	1-807259	2	Key
2	1-653035	1	Sheave W/Hub
3	1-603843	1	Pulley-Idler
4	1-523157	2	Washer-Spacer
5	103-1668	1	Sheave
6	1-373034	3	Washer-Swivel
7	1-603610	2	Washer-Spring
8	3212-6	1	Screw-HH
9	3231-29	1	Screw-CARR
10	1-323365	1	Chain-Link, Twist
11	3256-14	1	Washer-Flat
12	1-809069	1	Screw-Cap HH
13	323-12	1	Screw-HH
14	3253-5	1	Washer-Lock
16	302-19	1	Fitting-Grease
17	1-603402	1	Spring-Extension
18	322-5	1	Screw-HH
19	1-603801	1	Anchor-Spring
20	32128-20	6	Nut-HF
21	1-803050	4	Screw-Set
22	106-2740	1	V-Belt-Hydro Drive
23	1-807272	2	Key-Machine
24	1-413010	2	Sheave W/Hub
25	3256-24	1	Washer-Flat
26	3290-357	6	Nut-HHF
27	3296-2	1	Nut-Lock

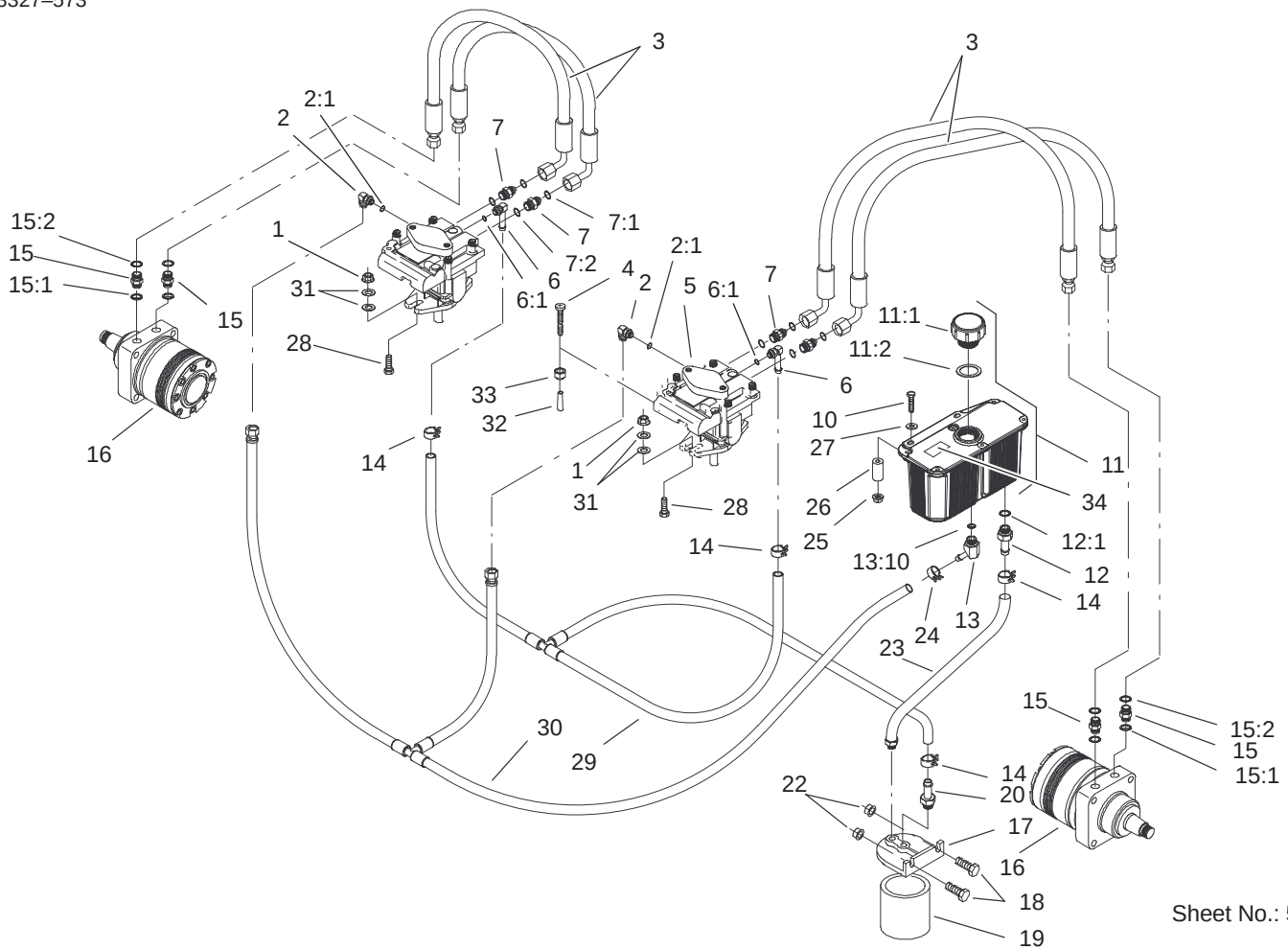
Ref. No.	Part No.	Qty.	Description
28	1-603044	1	Bushing
29	1-603496	1	Bushing-Idler
30	1-602521	1	Idler Arm ASM
30:1	1-513034	2	Sleeve-Bearing
31	103-1796	1	Cable-Choke
32	32128-33	2	Nut-HF
33	103-1797-01	1	Bracket-Cable, Choke
34	321-3	2	Screw-HH
36	98-0776	1	Decal-Caution
39	321-4	2	Screw-HH
40	1-633068	1	Arm-Lift, Deck
41	95-2814	1	Decal-Shut Off, Fuel



Sheet No.: 4

Wheel Drive Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-357	8	Nut-HHF	25	1-322110	1	Guide-Belt
2	323-11	1	Screw-HH	26	1-303334	4	Washer-Spring
3	103-2056	1	Shield-Drag	27	322-9	1	Screw-HH
4	322-3	2	Screw-HH	28	1-322162-01	2	Mount-Motor
5	323-13	4	Screw-HH	29	3234-12	8	Screw-HHF
6	1-413510	2	Clip-Loom	30	1-602997	2	Hub W/Studs
7	3296-29	3	Nut-Lock, NI	30:1	1-633926	4	Stud
8	103-2287-01	1	Deck-Rear	31	1-413473	2	Wheel And Tire ASM
9	322-6	2	Screw-HH	31:1	1-413474	1	Tire-Turfmaster
10	1-322090-01	1	Bellcrank	31:2	1-603715	1	Wheel-Rim
11	1-806003	3	Pin-Hair	32	242-50	8	Nut-Lug
12	1-323172	1	Linkage-Engage, Blade	33	1-807019	2	Key-Woodruff
13	321-3	2	Screw-HH	34	1-806800	2	Pin-Cotter
14	3290-500	1	Screw-PPH	35	1-803040	2	Nut-Slotted
15	1-323213	1	Bracket-Switch, Blade	36	323-6	8	Screw-HH
16	32128-33	2	Nut-HF	37	98-5975	8	Washer-Belleville
17	1-513051	1	Switch-Open, Normally	38	1-323366	1	Ring-Split
18	3296-2	2	Nut-Lock	39	3296-39	1	Nut-Lock, NI
19	3256-23	5	Washer-Flat	40	323-23	1	Screw-HH
20	1-322108	1	Bellcrank ASM				
20:3	302-40	1	Fitting-Grease				
21	1-809062	1	Screw				
22	32128-20	6	Nut-HF				
23	322-7	3	Screw-HH				



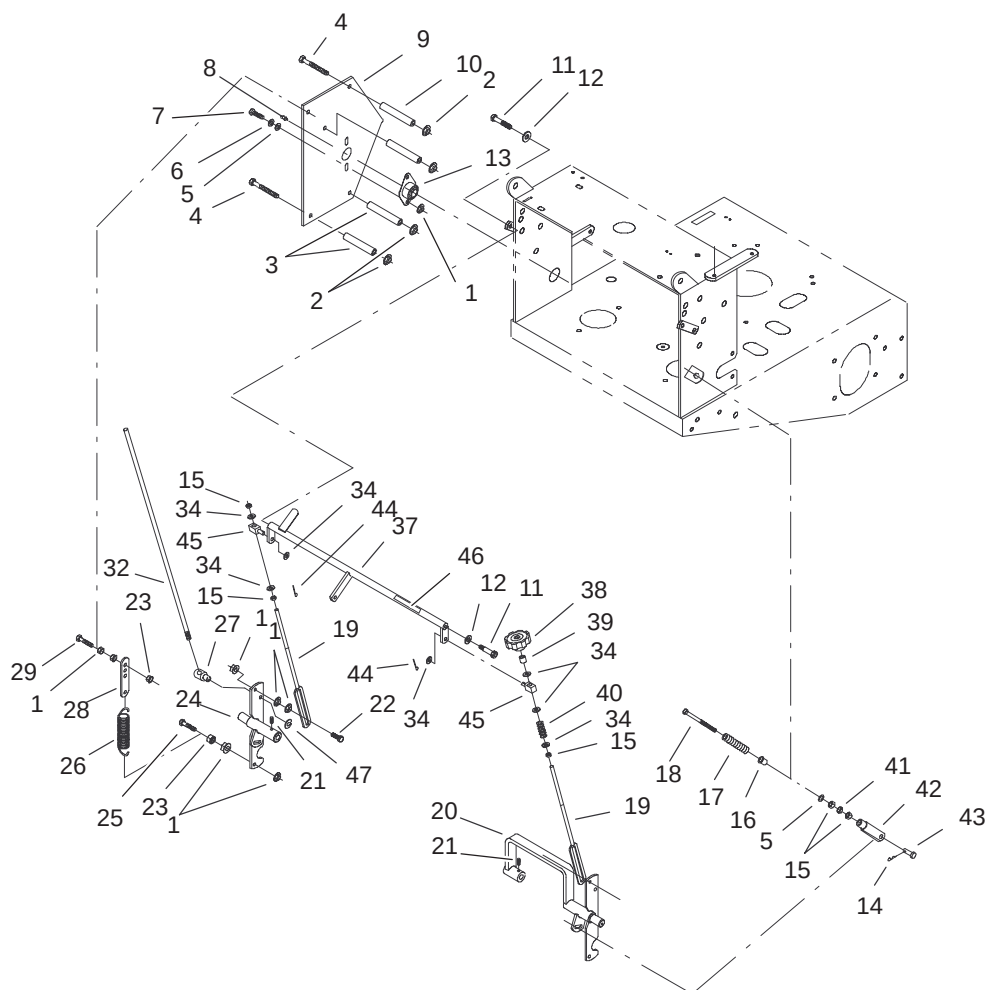
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Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	3290-357	4	Nut-HHF
2	1-513840	2	Fitting-90°
2:1	237-42	1	O-Ring
3	1-403102	4	Hose-Pressure, High
4	1-801063	2	Screw
5	1-613042	2	Pump
6	1-603989	2	Fitting
6:1	237-78	1	O-Ring
7	1-603990	4	Fitting-Straight
7:1	237-79	1	O-Ring
7:2	1-603992	1	O-Ring
10	321-15	2	Screw-HH
11	103-1946	1	Reservoir-HYD
11:1	103-1948	1	Cap-HYD Reservoir
11:2	103-1949	1	Gasket-Cap
12	103-1912	1	Adapter-Straight
12:1	237-42	1	O-Ring
13	103-2112	1	Elbow-45°
13:10	1-603921	1	O-Ring
14	103-1988	4	Clamp-Hose
15	1-603991	4	Fitting-Straight
15:1	237-80	1	O-Ring
15:2	1-603992	1	O-Ring
16	1-603718	2	Motor-Wheel
*16:1	1-000119	1	Kit-Seal
17	1-603720	1	Head-Filter

Ref. No.	Part No.	Qty.	Description
18	322-5	2	Screw-HH
19	1-633750	1	Filter-HYD
20	103-1804	1	Adapter-Straight
22	32128-20	2	Nut-HF
23	103-1805	1	HYD Hose ASM
24	103-1716	1	Clamp-Hose
25	32128-33	2	Nut-HF
26	103-2191	2	Spacer
27	3256-22	2	Washer-Flat
28	323-7	4	Screw-HH
29	103-2057	1	HYD Hose ASM
30	103-2073	1	HYD Hose ASM
31	3256-3	8	Washer-Flat
32	1-613073	2	Grip-Valve, Dump
33	3296-42	2	Nut-Lock, NI
34	1-523552	1	Decal-Tank, Hydraulic

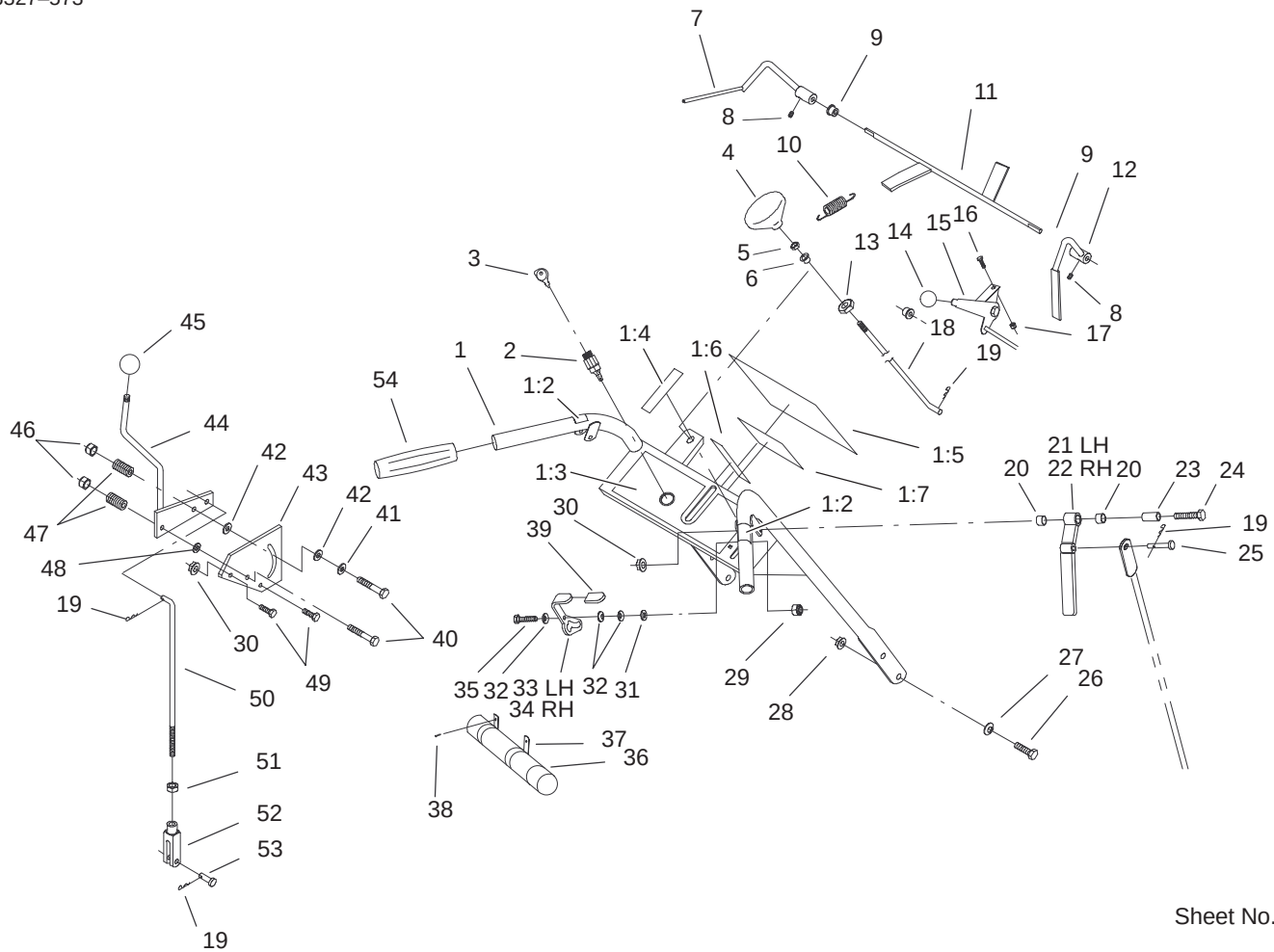
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Lower Control Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32128-20	12	Nut-HF	25	322-6	2	Screw-HH
2	3290-357	8	Nut-HHF	26	1-603693	2	Spring-Extension
3	1-323197-01	4	Spacer-Shield	27	103-1235	2	Swivel-Drive Lever
4	323-16	7	Screw-HH	28	1-613089	2	Tab-Spring, Extension
5	3256-2	6	Washer-Flat	29	1-800016	2	Bolt-TAP HH
6	1-805005	4	Washer-Lock	32	1-413219	2	Rod-Drive Lever
7	322-3	4	Screw-HH	34	3256-23	7	Washer-Flat
8	302-19	2	Fitting-Grease	37	1-412203-01	1	Crank-Control, Speed
9	1-413201-01	2	Shield-Controls, Hydro	38	1-413151	1	Knob-Tracking
10	1-323195-01	4	Spacer-Shield	39	1-603903	1	Spacer
11	1-809056	2	Screw	40	1-323245	1	Spring-Compression
12	3256-24	2	Washer-Flat	41	3220-2	2	Nut
13	1-633102	2	Bearing-Flange, Side	42	1-303105	2	Yoke-Adjustable
14	1-806003	2	Pin-Hair	43	1-808280	2	Pin-Clevis
15	3219-2	7	Nut-Hex	44	3272-5	2	Pin-Cotter
16	1-603735	2	Bushing-Flanged	45	1-603676	2	Swivel-Adjustable, Short
17	1-603807	2	Spring-Return, Neutral	46	105-4109	1	Decal-Tracking
18	1-603737	2	Bolt-Return, Neutral	47	32151-47	2	Ring-Retaining
19	1-413350	2	Link-Control, Speed				
20	103-1191-01	1	Shaft-Control, RH				
21	1-803022	2	Screw				
22	1-403180	2	Screw-HH				
23	3296-29	4	Nut-Lock, NI				
24	103-1190-01	1	Shaft-Control, LH				

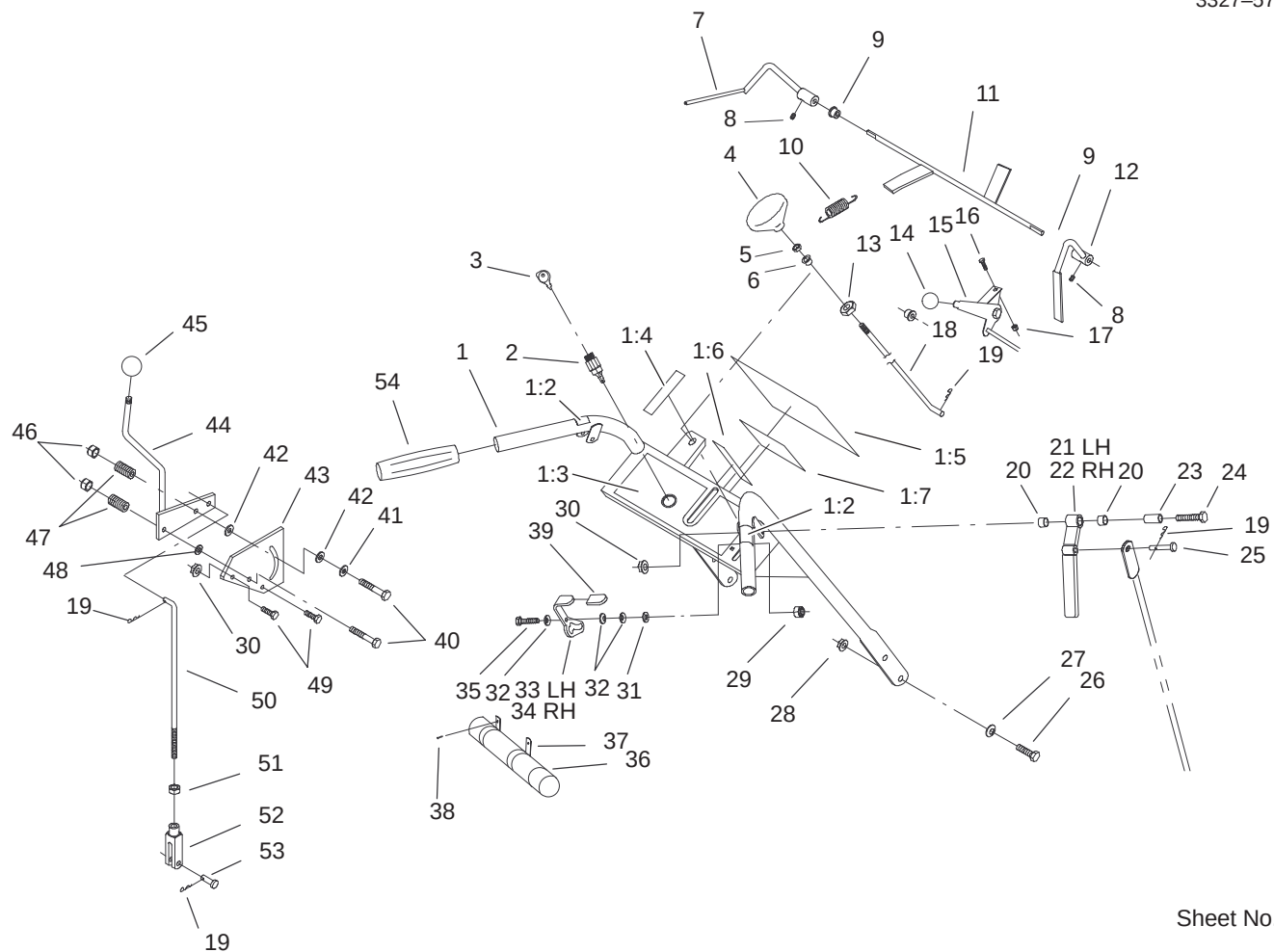


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Upper Handle Assembly

Ref. No.	Part No.	Qty.	Description
1	106-2732	1	Handle ASM
1:2	105-4110	2	Decal-Neutral Lock
1:3	106-2738	1	Decal-Warning
1:4	106-2733	1	Decal-Throttle
1:5	106-2735	1	Decal-Proline
1:6	95-5537	1	Decal-Engage, Deck
1:7	106-2743	1	Decal-Caution, Brake
2	1-403121	1	Switch-Key
3	63-8360	1	Key-Ignition
4	1-323134	1	Knob-Push/Pull
5	3218-2	1	Nut-Jam
6	1-323143	1	Bearing-Nylon
7	1-412183-03	1	Lever-LH
8	1-803322	2	Screw-Set
9	1-303365	2	Bushing-Nylon
10	1-303363	1	Spring-Extension
11	106-2717-03	1	Operator Presence Control Rod ASM
12	1-412185-03	1	Lever-RH
13	1-323142	1	Nut, Push
14	1-513592	1	Knob-Ball
15	1-633696	1	Cable-Throttle
16	1-807513	2	Bolt-CARR
17	3296-2	2	Nut-Lock
18	1-323181	1	Linkage-Blade
19	1-806003	3	Pin-Hair

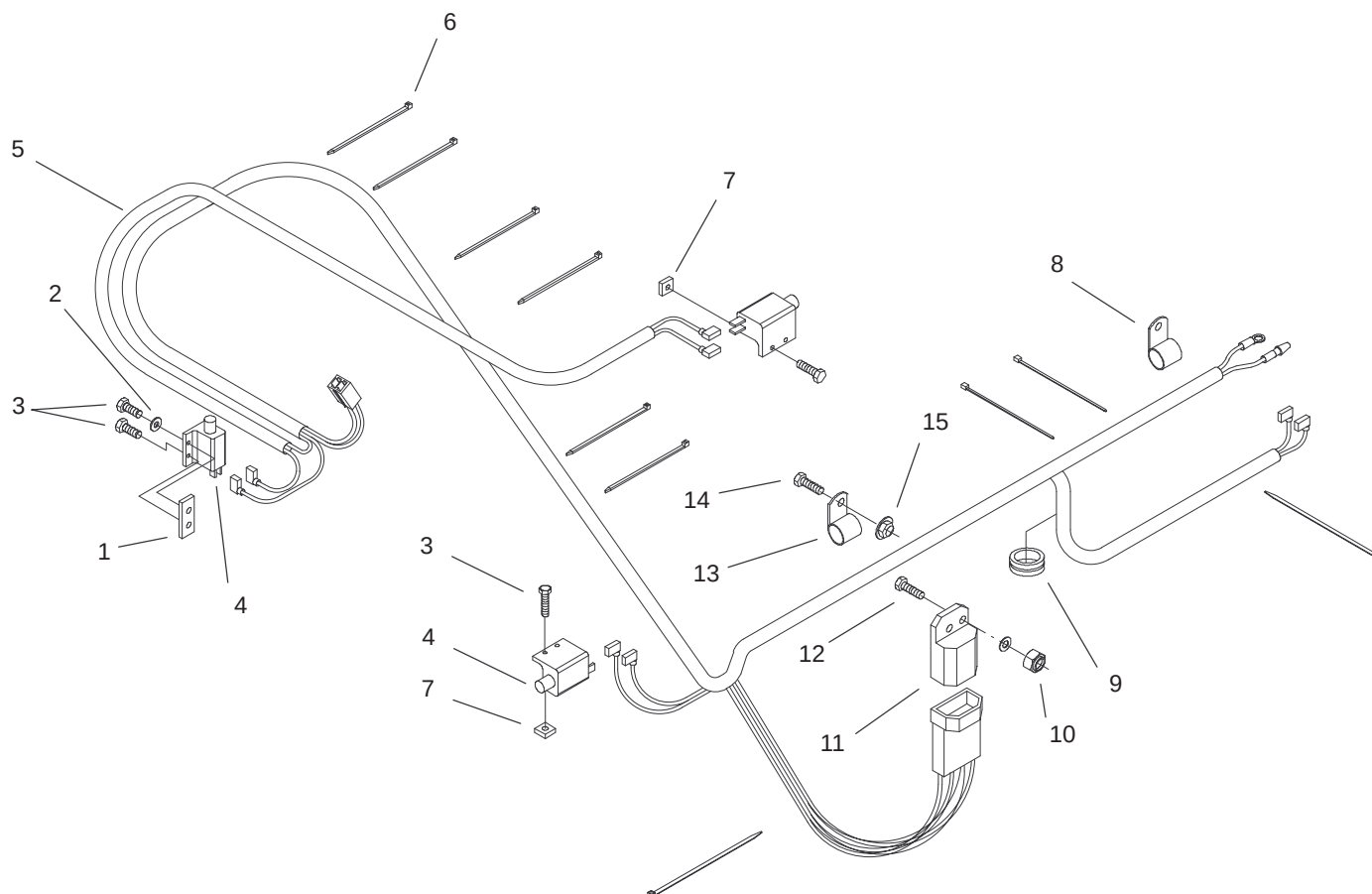
Ref. No.	Part No.	Qty.	Description
20	1-413152	4	Sleeve-Bushing
21	103-0218	1	LH Drive Lever ASM
22	103-0219	1	RH Drive Lever ASM
23	1-603749	2	Bushing-Lever, Drive
24	321-9	2	Screw-HH
25	1-613055	2	Pin-Clevis
26	323-6	4	Screw-HH
27	98-5975	4	Washer-Belleville
28	3290-357	4	Nut-HHF
29	3296-42	2	Nut-Lock, NI
30	32128-33	4	Nut-HF
31	3256-2	2	Washer-Flat
32	1-303435	6	Washer-Spring
33	1-413148	1	Latch-Lever, LH
34	1-413150	1	Latch-Lever, Drive, RH
35	321-10	2	Screw-HH
36	74-0720	1	Tube-Manual
37	2412-120	2	R-Clamp
38	32104-76	2	Screw
39	1-303019	2	Grip-Latch
40	322-10	2	Screw-HH
41	1-603716	1	Washer-Friction
42	1-323244	2	Washer-Friction
43	1-603730	1	Plate-Shifter Lever
44	106-2748	1	Lever-Shift



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Upper Handle Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
45	1-603175	1	Knob,Ball				
46	3296-29	2	Nut-Lock, NI				
47	1-323245	2	Spring-Compression				
48	3256-23	1	Washer-Flat				
49	321-3	2	Screw-HH				
50	1-323522	1	Rod-Control, Speed				
51	3220-2	1	Nut				
52	1-303105	1	Yoke-Adjustable				
53	1-808280	1	Pin-Clevis				
54	1-303097	2	Grip-Handle				

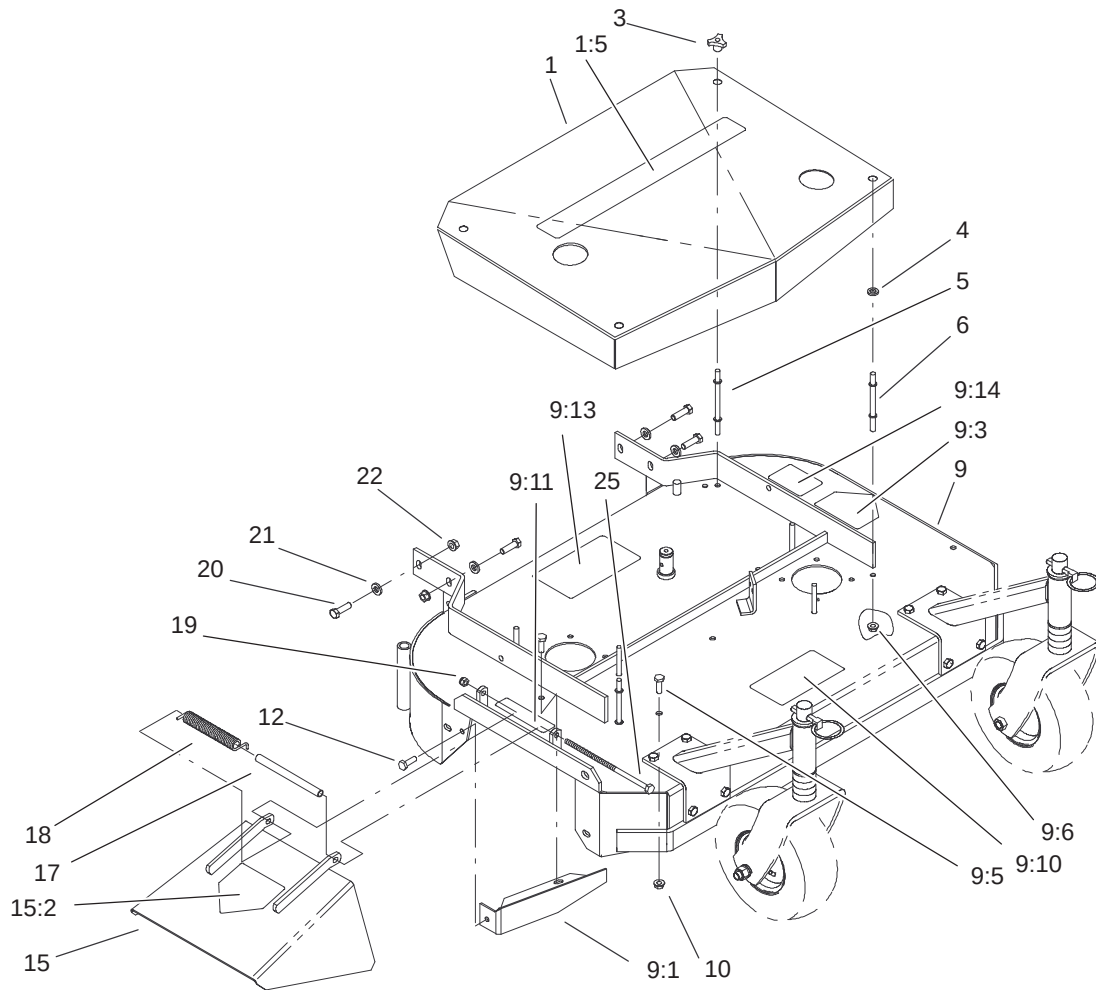


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Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	1-633181	1	Plate-Tapped
2	3256-14	1	Washer-Flat
3	3290-500	3	Screw-PPH
4	1-513051	2	Switch-Open, Normally
5	1-403181	1	Harness-Wiring
6	1-303287	6	Tie-Plastic
7	1-804002	4	Nut-SQH
8	1-323229	1	Clip-Loom
9	1-543296	1	Grommet-Line, Fuel
10	3296-42	2	Nut-Lock, NI
11	1-323430	1	Module-Harness, Wiring
12	321-4	1	Screw-HH
13	1-603727	1	Clip-Loom
14	321-3	1	Screw-HH
15	32128-33	1	Nut-HF

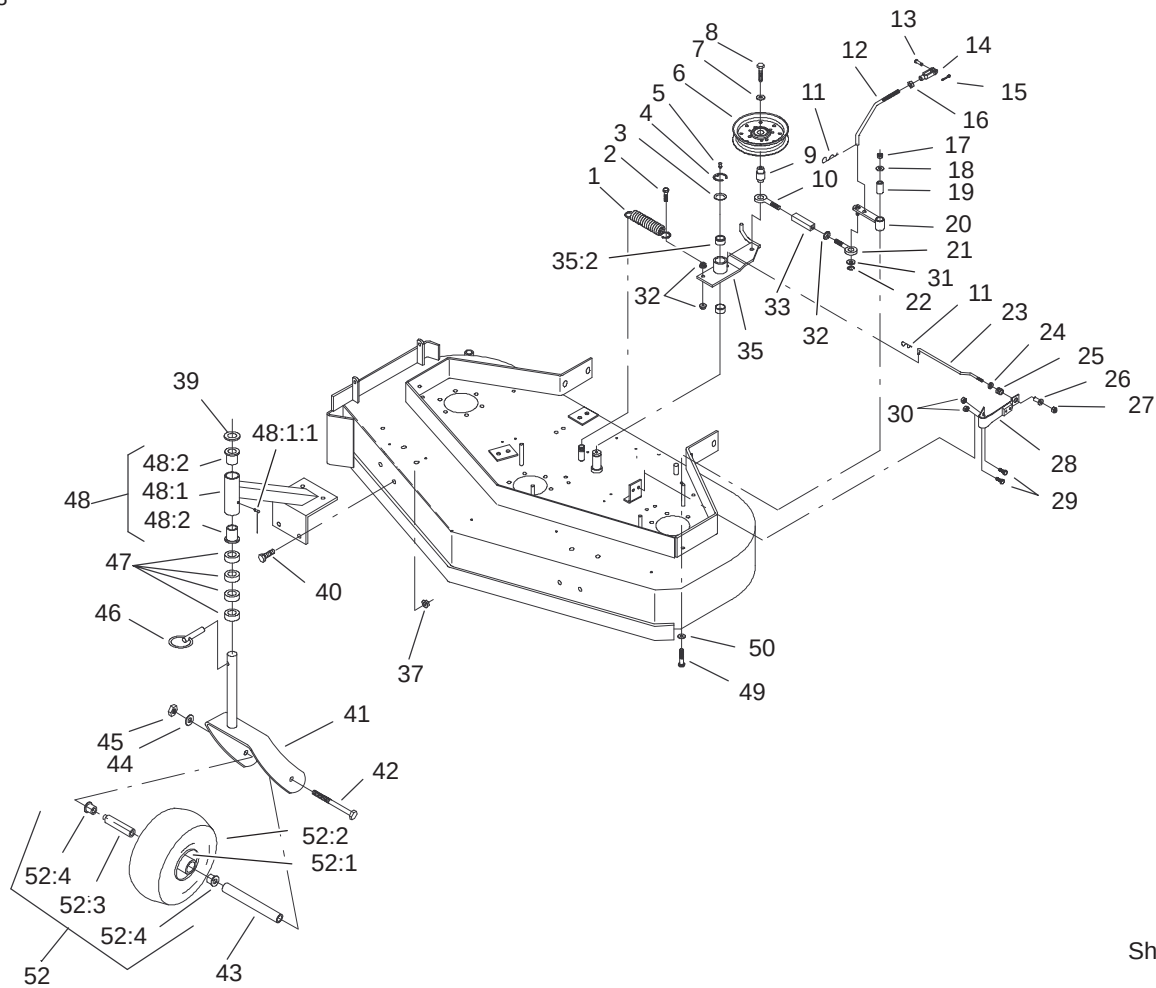
Ref. No.	Part No.	Qty.	Description
OTOTYPE			



Sheet No.: 9

Deck Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-304258	1	Belt Shield ASM	22	3290-357	14	Nut-HHF
1:5	95-5436	1	Decal-Proline	25	322-50	1	Screw-Cap
3	1-323385	4	Knob-3 Prong				
4	1-323417	4	Washer				
5	1-303536	2	Stud-Shield, Belt (Long)				
6	1-303537	2	Stud-Shield, Belt (Short)				
9	105-4680	1	Deck ASM				
9:1	1-302189-01	1	Baffle				
9:3	1-403005	1	Decal-Danger				
9:5	322-2	8	Screw-HH				
9:6	32128-20	8	Nut-HF				
9:10	66-1340	1	Decal-Danger				
9:11	67-5360	1	Decal-Danger				
9:13	98-3296	1	Decal-Routing, Belt				
9:14	98-5130	1	Decal-Torque				
10	32128-20	12	Nut-HF				
12	322-2	7	Screw-HH				
15	1-304256	1	Chute-Discharge				
15:2	54-9220	1	Decal-Danger				
17	98-3281	1	Spacer-Spring				
18	98-3280	1	Spring-Deflector				
19	3296-29	1	Nut-Lock, NI				
20	323-8	6	Screw-HH				
21	98-5975	6	Washer-Belleville				



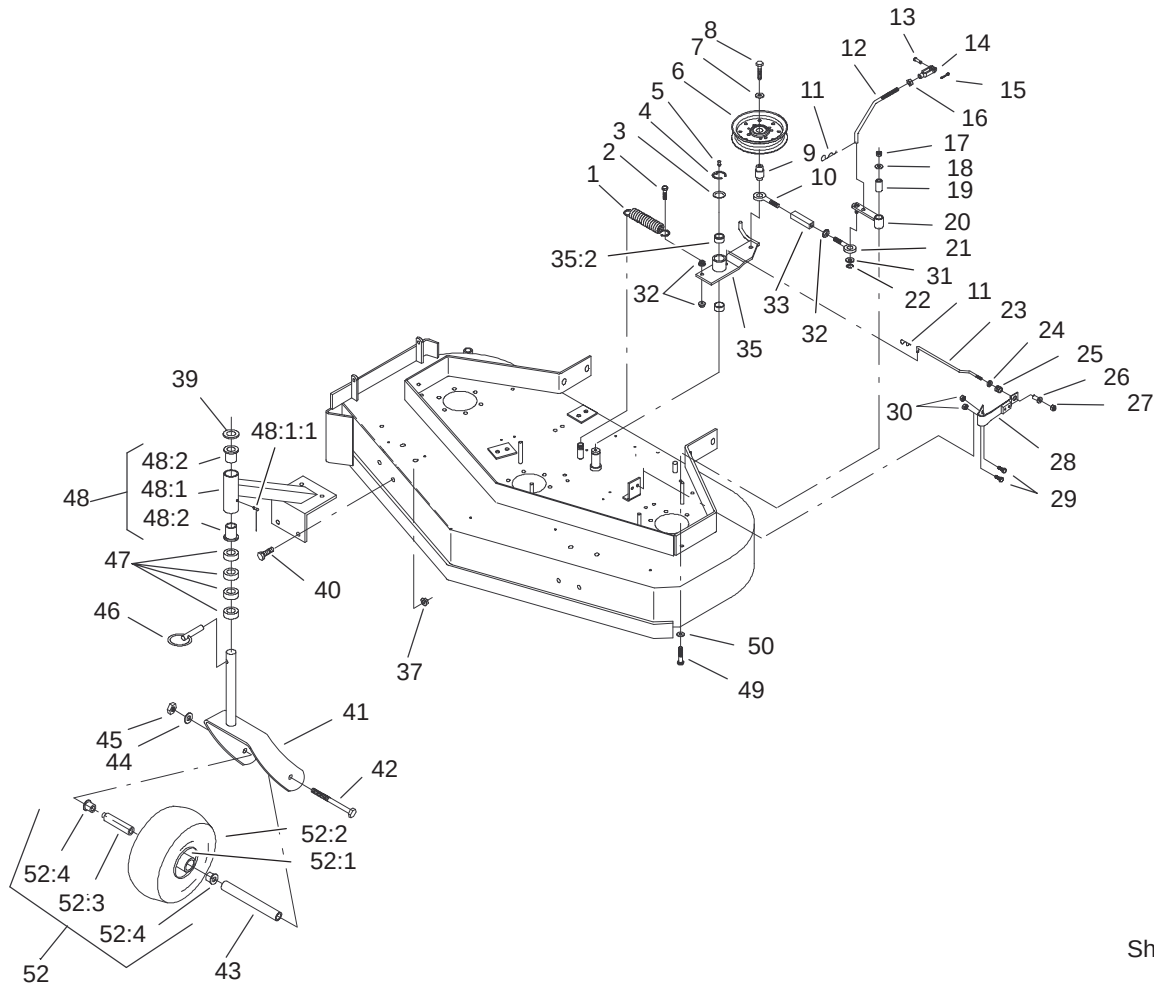
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Front Caster and Blade Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	1-323071	1	Spring-Extension
2	322-6	1	Screw-HH
3	1-303352	1	Washer-Spindle
4	32151-103	1	Ring-Snap
5	302-19	1	Fitting-Grease
6	1-603843	1	Pulley-Idler
7	98-5975	3	Washer-Belleville
8	702809	1	Screw-Cap
9	1-303434	1	Bushing-Engagement
10	1-303348	1	Eyebolt-LH Thread
11	1-806003	3	Pin-Hair
12	1-323174	1	Linkage-Arm, Assist
13	1-808280	1	Pin-Clevis
14	1-303105	1	Yoke-Adjustable
15	3272-5	1	Pin-Cotter
16	3219-2	1	Nut-Hex
17	3296-29	1	Nut-Lock, NI
18	3256-3	1	Washer-Flat
19	1-403179	1	Tube-Pivot
20	1-322235	1	Arm
21	1-303238	1	Eyebolt-RH Thread
22	32120-35	1	E-Ring
23	1-323715	1	Rod-Brake
24	1-323748	1	Ring-Push On
25	1-323747	1	Spring-Compression
26	1-323746	1	Spacer-Flanged

Ref. No.	Part No.	Qty.	Description
27	3296-56	1	Nut-Lock, NI
28	1-324372	1	Pad/Spring ASM
29	321-4	2	Screw-HH
30	3296-42	2	Nut-Lock, NI
31	3256-23	1	Washer-Flat
32	32128-20	3	Nut-HF
33	1-303236	1	Body-Turnbuckle
35	1-324408	1	Idler Arm ASM
35:2	1-323729	2	Sleeve-Bearing
37	3290-357	8	Nut-HHF
39	1-513338	2	Washer-Flat
40	323-4	8	Screw-HH
41	1-322145-01	2	Fork
42	325-20	2	Screw-HH
43	1-513547	2	Spacer
44	3253-7	2	Washer-Lock
45	3217-9	2	Nut-HH
46	1-809020	2	Pin
47	1-303314	8	Spacer-Caster
48	1-302203	2	Support ASM
★48:1		1	Support-Caster
48:1:1	302-52	1	Fitting-Grease
48:2	1-303514	2	Bearing-Flanged
49	322-10	1	Screw-HH
50	1-303334	1	Washer-Spring
52	1-513648	2	Wheel And Tire ASM

★ Not serviced separately

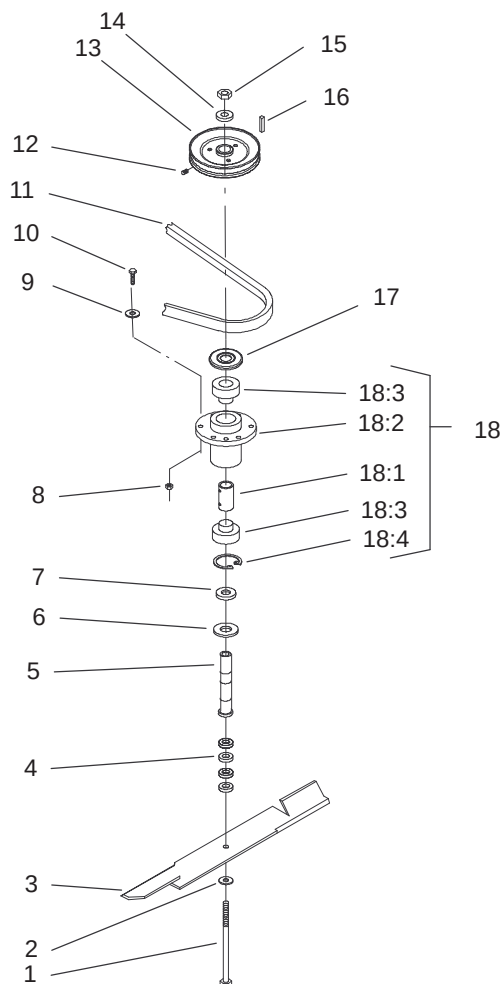


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Front Caster and Blade Brake Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
☆52:1		1	Rim				
52:2	1-513808	1	Tire				
52:3	1-513809	1	Bearing				
52:4	1-513810	2	Bushing				
PROTOTYPE							

☆ Not serviced separately

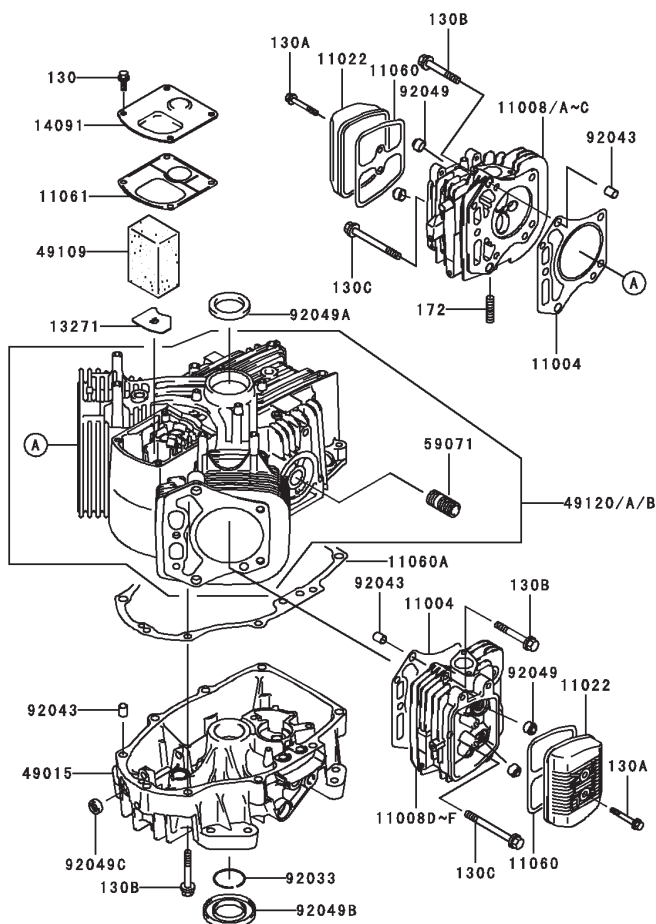


Sheet No.: 12

Spindle Assembly

Ref. No.	Part No.	Qty.	Description
1	1-800861	2	Screw-Cap, HH
2	1-513208	2	Washer-Spring
3	103-2528	2	Blade-Notched
3	103-2508	2	Blade-Low Lift
4	1-323539	8	Spacer-Drive, Blade
5	1-323529	2	Tube-Spindle, Short
6	1-633573	2	Guard-Bearing, Bottom
7	1-323533	2	Spacer-Pulley/Bearing
8	32128-20	8	Nut-HF
9	1-303334	8	Washer-Spring
10	322-6	8	Screw-HH
11	106-2741	1	V-Belt
12	1-803310	2	Screw-Set
13	1-403183	2	Sheave
14	1-323339	2	Washer-Retainer, Sheave
15	3219-6	2	Nut-Hex
16	1-807267	2	Key
17	103-1330	2	Guard-Bearing, Top
18	1-634619	2	Cutter Housing ASM
18:1	1-323528	1	Spacer-Bearing
18:2	1-323532	1	Housing-Spindle
18:3	1-513016	2	Bearing
18:4	32120-8	1	Ring-Snap

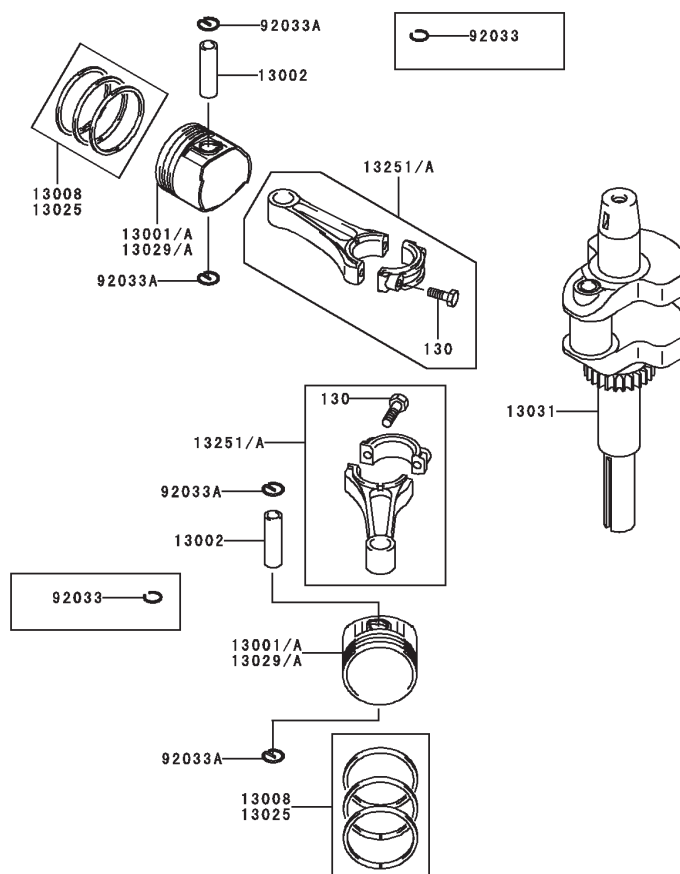
Ref. No.	Part No.	Qty.	Description
OTOTYPE			



Cylinder/Crankcase Assembly Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11004	11004-7005	2	Gasket-Head	172	172G0818	4	Bolt-Stud
11008A	11008-6042	1	Head-Comp-Cylinder				
11008E	11008-7009	1	Head-Comp-Cylinder				
11022	11022-7003	2	Case-Rocker				
11060	11060-7001	2	Gasket,Rocker Case				
11060A	11060-7008	1	Gasket,Crankcase				
			Cover				
11061	11061-7001	1	Gasket,Breather				
13271	13271-7016	1	Plate				
14091	14091-7006	1	Cover				
49015	49015-6223	1	Cover-Crankcase				
49109	49109-7002	1	Element-Breather				
49120A	49120-6132	1	Crankcase-Comp				
59071	59071-2079	1	Joint				
92033	92033-7003	1	Ring-Snap				
92043	92043-7001	6	Pin				
92049	92049-7001	4	Seal-Oil				
92049A	92049-7002	1	Seal-Oil				
92049B	92049-7004	1	Seal-Oil				
92049C	92049-7005	1	Seal-Oil				
130	130B0612	4	Bolt-Flanged				
130A	130B0640	4	Bolt-Flanged				
130B	130T0850	17	Bolt-Flanged				
130C	130T0875	2	Bolt-Flanged				

Obtain Parts From Kawasaki

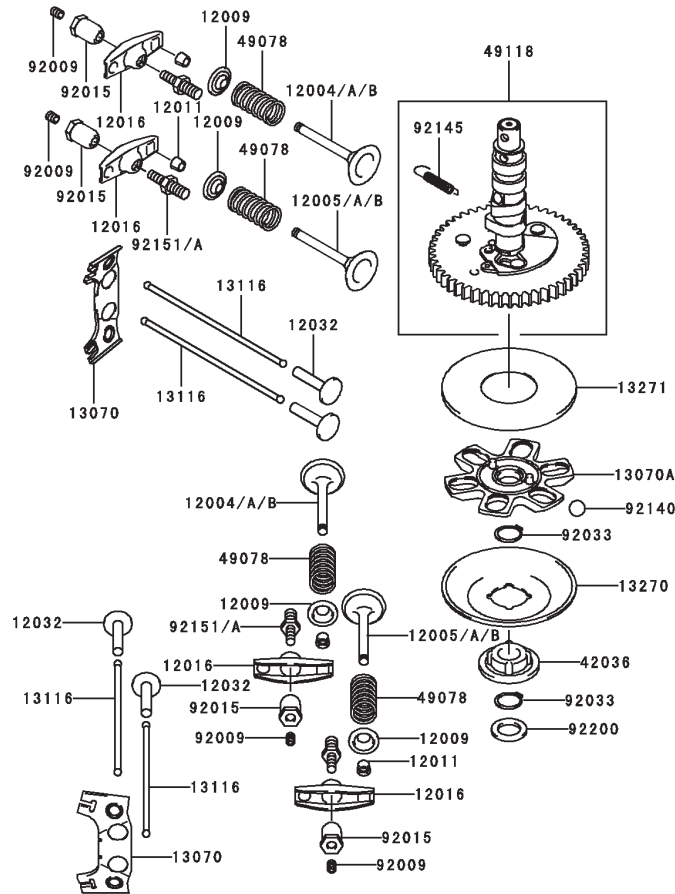


Piston/Crankshaft Assembly Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description
13001A	13001-7008	2	Piston-Engine
13002	13002-7001	2	Pin-Piston
13008	13008-6055	2	Ring-Set-Piston
13025	13025-7001	AR	Ring-Set-Piston L,0.50
13029A	13029-7004	AR	Piston-Engine L,0.50
13031	13031-7001	1	Crankshaft-Comp
13251	13251-7003	AR	Rod-Assy-Connecting, U/S=0.50
13251A	13251-7004	2	Rod-Assy-Connecting
92033A	92033-7005	4	Ring-Snap
130	130G0630	4	Bolt-Flanged

Ref. No.	Part No.	Qty.	Description
OTOTYPE			

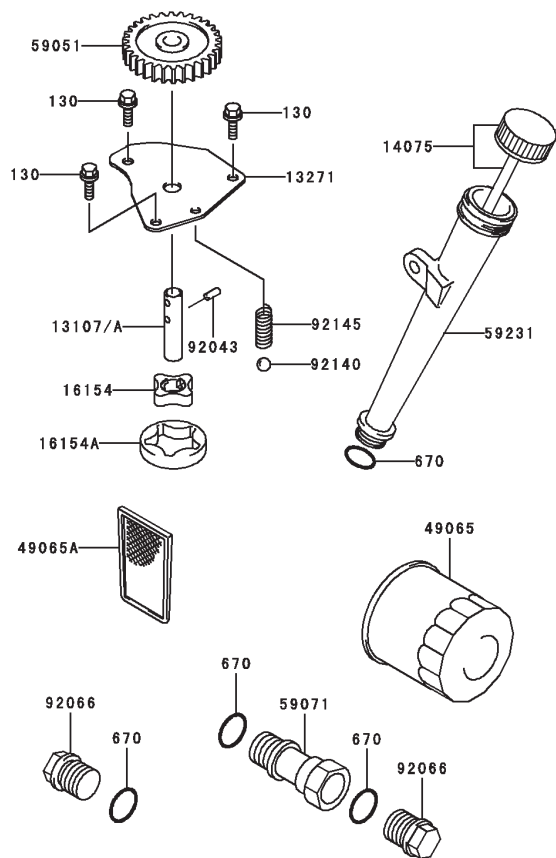
Obtain Parts From Kawasaki



Valve/Camshaft Assembly **Kawasaki FH451V-BS04**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
12004A	12004-7003	2	Valve-Intake				
12005A	12005-7003	2	Valve-Exhaust				
12009	12009-7001	4	Retainer-Valve Spring				
12011	12011-2056	8	Collet				
12016	12016-7001	4	Arm-Rocker				
12032	12032-7001	4	Tappet				
13070	13070-7001	2	Guide				
13070A	13070-7004	1	Guide				
13116	13116-2057	4	Rod-Push				
13270	13270-7002	1	Plate				
13271	13271-7007	1	Plate				
42036	42036-7001	1	Sleeve				
49078	49078-7001	4	Spring-Engine Valve				
49118	49118-7002	1	Camshaft-Comp				
92009	92009-2341	4	Screw				
92015	92015-2253	4	Nut				
92033	92033-7001	2	Ring-Snap				
92140	92140-7002	6	Ball				
92145	92145-7001	1	Spring				
92151A	92151-7019	4	Bolt				
92200	92200-7001	1	Washer				

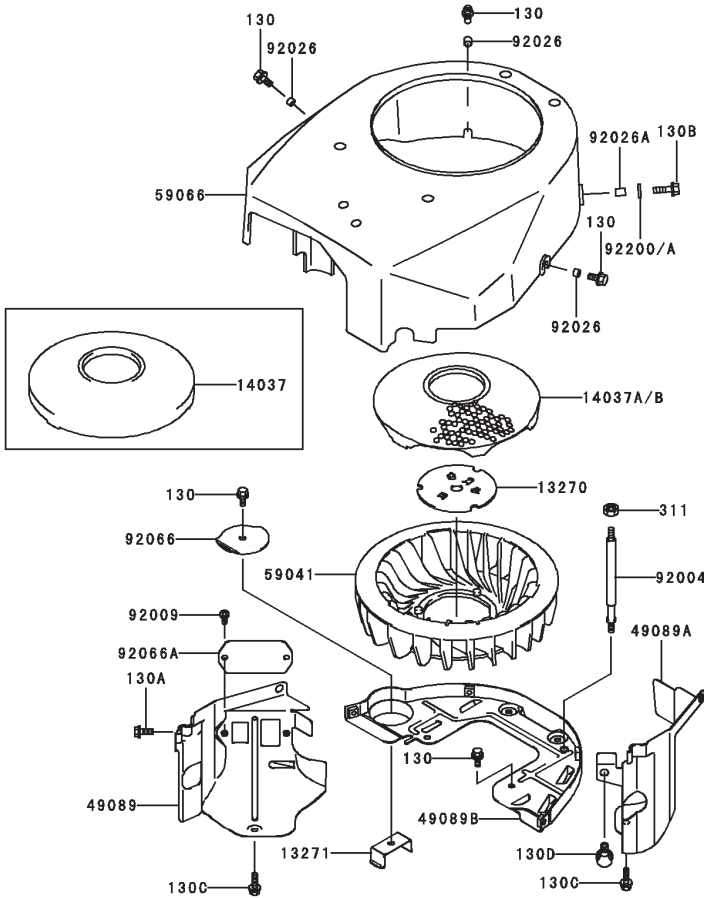
Obtain Parts From Kawasaki



Lubrication Equipment Assembly
Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
13107A	13107-7009	1	Shaft				
13271	13271-7017	1	Plate				
14075	14075-7001	1	Cap-Assy				
16154	16154-2053	1	Rotor-Pump,In				
16154A	16154-2054	1	Rotor-Pump,Out				
49065	49065-2078	1	Filter-Oil				
49065A	49065-7004	1	Filter-Oil				
59051	59051-7004	1	Gear-Spur				
59071	59071-7003	1	Joint				
59231	59231-7001	1	Filler				
92043	92043-7003	1	Pin				
92066	92066-7003	2	Plug				
92140	92140-7003	1	Ball				
92145	92145-7002	1	Spring				
130	130B0612	3	Bolt-Flanged				
670	670D2016	4	O Ring,16mm				

Obtain Parts From Kawasaki



Cooling Equipment Assembly
Kawasaki FH451V-BS04

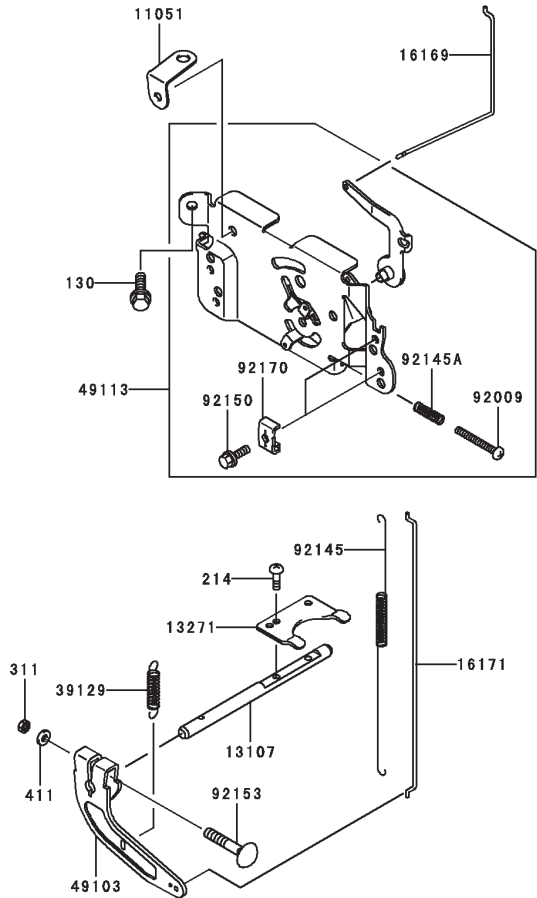
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
13270	13270-7007	1	Plate				
13271	13271-7002	1	Plate				
14037A	14037-7015-9H	1	Screen				
49089	49089-7001	1	Shroud-Engine				
49089A	49089-7002	1	Shroud-Engine				
49089B	49089-7003	1	Shroud-Engine				
59041	59041-7001	1	Fan				
59066	59066-7002	1	Housing-Fan				
92004	92004-7006	2	Stud				
92009	92009-2308	2	Screw				
92026	92026-7001	3	Spacer,6.2x7.9x5				
92026A	92026-7003	1	Spacer,6.5x7.9x10.5				
92066	92066-7004	1	Plug				
92066A	92066-7005	1	Plug				
92200	92200-2078	1	Washer,6.5x18x2.0				
130	130B0612	6	Bolt-Flanged				
130A	130B0616	2	Bolt-Flanged				
130B	130B0620	1	Bolt-Flanged				
130C	130B0625	2	Bolt-Flanged				
130D	130B0816	1	Bolt-Flanged				
311	311B0600	2	Nut-Hex				

Obtain Parts From Kawasaki

PROTOTYPE

Ref. No.	Part No.	Qty.	Description
OTOTYPE			

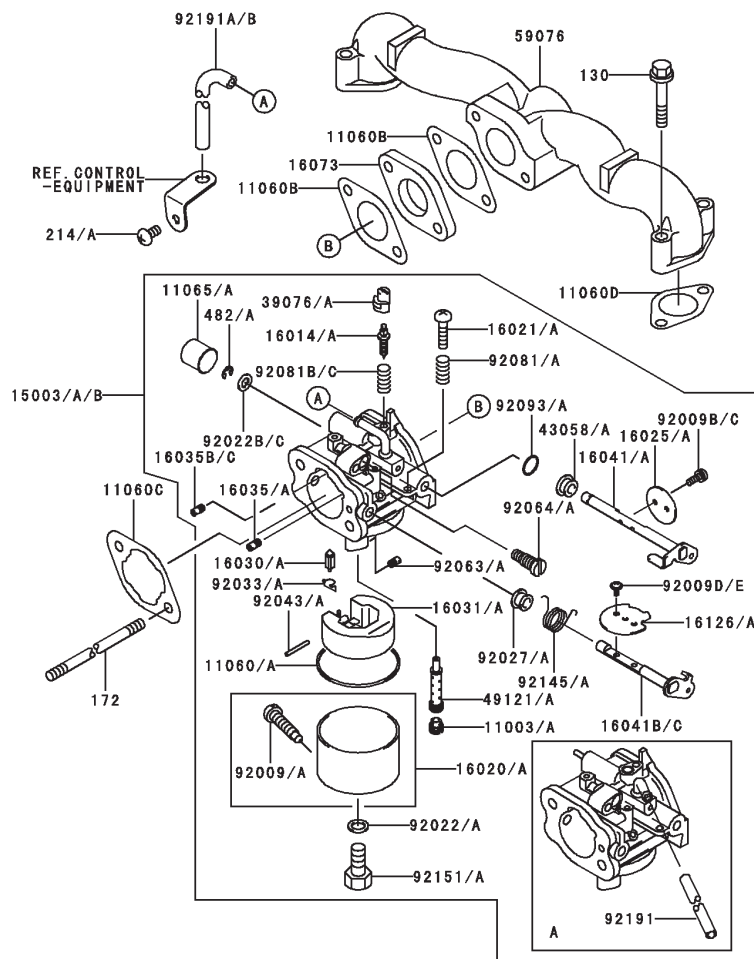
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**Control Equipment Assembly
Kawasaki FH451V-BS04**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11051	11051-7008	1	Bracket				
13107	13107-7010	1	Shaft				
13271	13271-7018	1	Plate				
16169	16169-7001	1	Link-Choke				
16171	16171-7001	1	Link				
39129	39129-7003	1	Spring-Governor				
49103	49103-7004	1	Arm-Governor				
49113	49113-7024	1	Panel-Comp-Control				
92009	92009-7007	1	Screw, 4x35				
92145	92145-7003	1	Spring				
92145A	92145-7005	1	Spring				
92150	92150-2182	2	Bolt, 5x18				
92153	92153-7005	1	Bolt, 6x35				
92170	92170-7001	2	Clamp				
130	130B0612	2	Bolt-Flanged				
214	214B0408	2	Screw-Pan+-				
311	311B0600	1	Nut-Hex				
411	411B0600	1	Washer-Plain				

Obtain Parts From Kawasaki

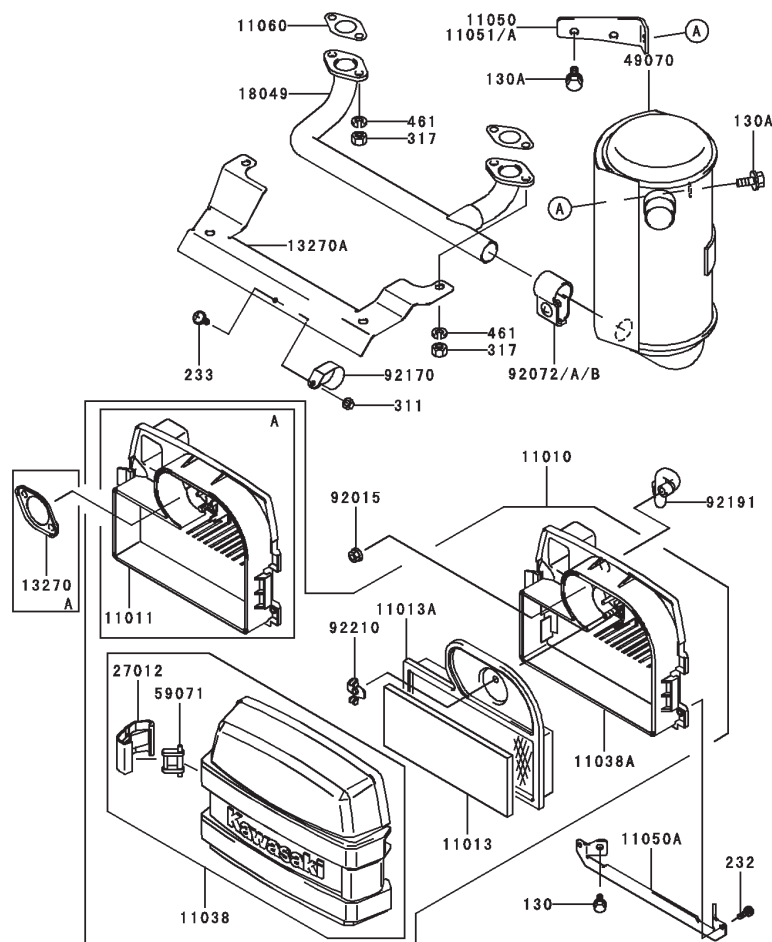


Carburetor Assembly Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description
11003	11003-2105	1	Seat-Valve
11060	11060-2406	1	Gasket
11060B	11060-7003	2	Gasket, Insulator
11060C	11060-7004	1	Gasket, Air Filter
11060D	11060-7005	2	Gasket, Manifold
11065	11065-2061	1	Cap
15003A	15003-7036	1	Carburetor- Assy
16014	16014-2080	1	Screw- Pilot Air
16020	16020-2141	1	Chamber-Float
16021	16021-2060	1	Screw- Throttle Stop
16025	16025-2193	1	Valve- Throttle, #130
16030	16030-2067	1	Valve-Float
16031	16031-2066	1	Float
16035	16035-2060	1	Jet- Air, #1.7
16035B	16035-2061	1	Jet- Air, #1.2
16041	16041-7005	1	Shaft- Carburetor
16041B	16041-7006	1	Shaft- Carburetor
16073	16073-7001	1	Insulator
16126	16126-7007	1	Valve
39076	39076-2053	1	Limiter
43058	43058-3716	1	Ring
49121	49121-2222	1	Nozzle- Main, #113a
59076	59076-7001	1	Manifold- Intake
92009	92009-2015	1	Screw

Ref. No.	Part No.	Qty.	Description
92009B	92009-2024	2	Screw
92009D	92009-2081	2	Screw
92022	92022-2231	1	Washer
92022B	92022-2239	1	Washer
92027	92027-2025	1	Collar
92033	92033-2067	1	Ring- Snap
92043	92043-2226	1	Pin
92063	92063-2358	1	Jet- Main, #125
92064	92064-2125	1	Jet- Pilot, #48.8
92081	92081-2009	1	Spring
92081B	92081-2256	1	Spring
92093	92093-2002	1	Seal
92145	92145-2061	1	Spring
92151	92151-2092	1	Bolt
92191A	92191-7016	1	Tube, 4.76x7.94x225
130	130B0635	4	Bolt- Flanged
172	172G0685	2	Bolt- Stud
214	214B0510	1	Screw- Pan+-
482	482L4000	1	Circlip- Type- E

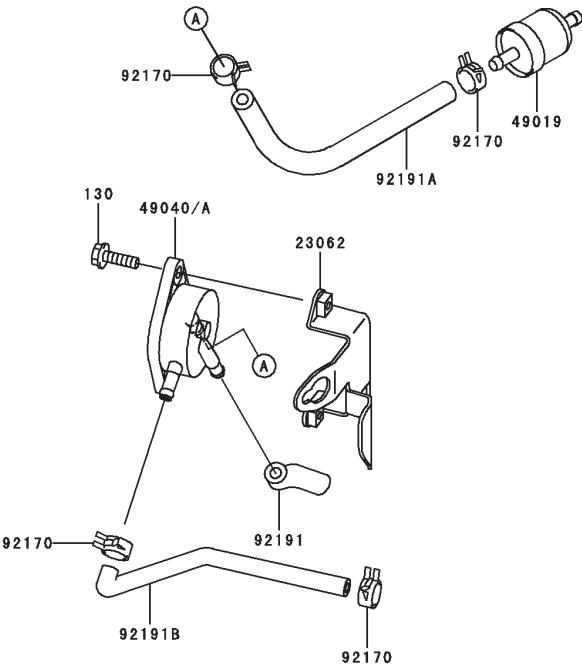
Obtain Parts From Kawasaki



Air Filter/Muffler Assembly Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11010	11010-7001	1	Filter-Assy-Air	461	461F0800	4	Washer-Spring
11013	11013-7001	1	Element-Air Filter				
11013A	11013-7002	1	Element-Air Filter				
11038	11038-7001	1	Case-Assy-Air Filter				
11038A	11038-7003	1	Case-Assy-Air Filter				
11050A	11050-7006	1	Bracket				
11051	11051-7005-9H	1	Bracket				
11060	11060-7021	2	Gasket, Muffler				
13270A	13270-7008	1	Plate				
18049	18049-7001	1	Pipe-Exhaust				
27012	27012-7001	2	Hook, Air Filter				
49070	49070-7002	1	Muffler-Comp				
59071	59071-7001	2	Joint				
92015	92015-1193	2	Nut				
92072A	92072-7007	1	Band				
92170	92170-7002	1	Clamp				
92191	92191-7001	1	Tube				
92210	92210-7004	1	Nut				
130	130B0612	2	Bolt-Flanged				
130A	130B0816	2	Bolt-Flanged				
232	232B0514	2	Screw-Pan-WS+-				
233	233B0416	1	Screw-Pan-WP+-				
311	311B0400	1	Nut-Hex				
317	317R0800	4	Nut-Hex-Small				

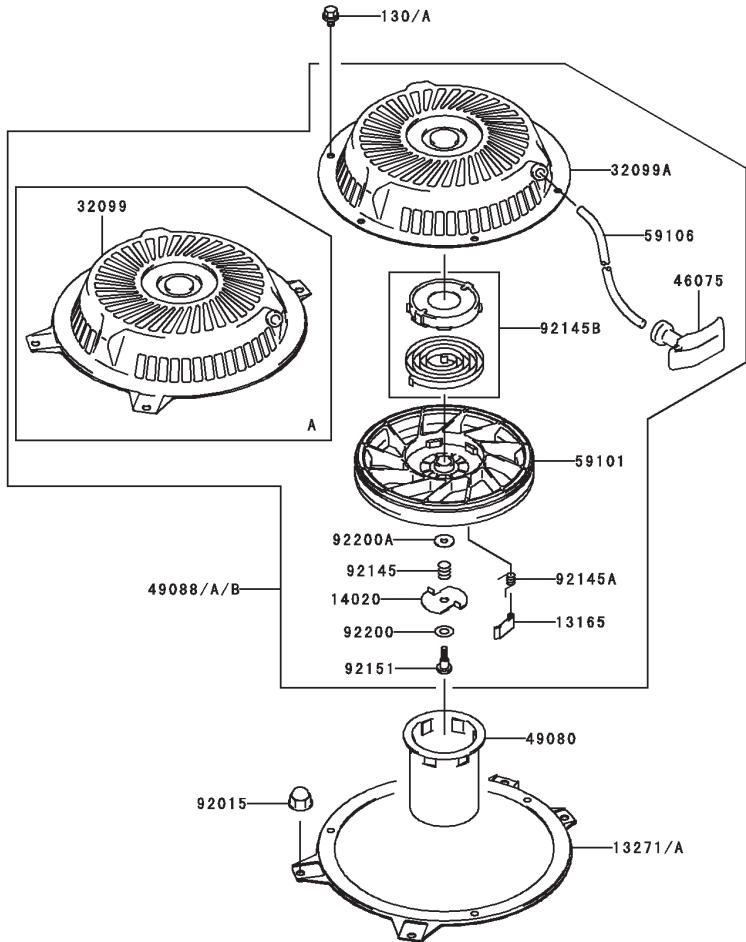
Obtain Parts From Kawasaki



Fuel Tank/Fuel Valve Assembly
Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
23062	23062-7004-9H	1	Bracket-Comp				
49019	49019-7001	1	Filter-Fuel				
49040A	49040-7001	1	Pump-Fuel				
92170	92170-2088	4	Clamp				
92191	92191-7002	1	Tube				
92191A	92191-7003	1	Tube,6.35x12.7x160				
92191B	92191-7004	1	Tube				
130	130B0620	2	Bolt-Flanged				

Obtain Parts From Kawasaki



Starter Assembly
Kawasaki FH451V-BS04

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
13165	13165-7001	2	Pawl,Recoil Starter				
13271	13271-7003-9H	1	Plate				
14020	14020-7001	1	Retainer				
32099	32099-7002	1	Case,Recoil Starter				
46075	46075-7001	1	Grip,Recoil Starter				
49080	49080-7001	1	Pulley-Starting				
49088	49088-7002	1	Starter-Recoil				
59101	59101-7001	1	Reel,Recoil Starter				
59106	59106-7001	1	Rope				
92015	92015-1170	4	Nut				
92145	92145-7006	1	Spring				
92145A	92145-7007	2	Spring				
92145B	92145-7008	1	Spring				
92151	92151-7008	1	Bolt				
92200	92200-7004	1	Washer				
92200A	92200-7005	1	Washer				
130	130B0608	3	Bolt-Flanged				

Obtain Parts From Kawasaki

Ref. No.	Part No.	Qty.	Description
56033	56033-7001	1	Label-Manual
56080	56080-2077	1	Label-Brand
56080A	56080-7010	1	Label-Brand

Ref. No.	Part No.	Qty.	Description
OTOTYPE			

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Maintenance Record

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PROTOTYPE