Form Number 3360-511 Rev B

21in Heavy-Duty
Rear Bagger Lawn Mower

Model No. 22189 - 270004001 and up.

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

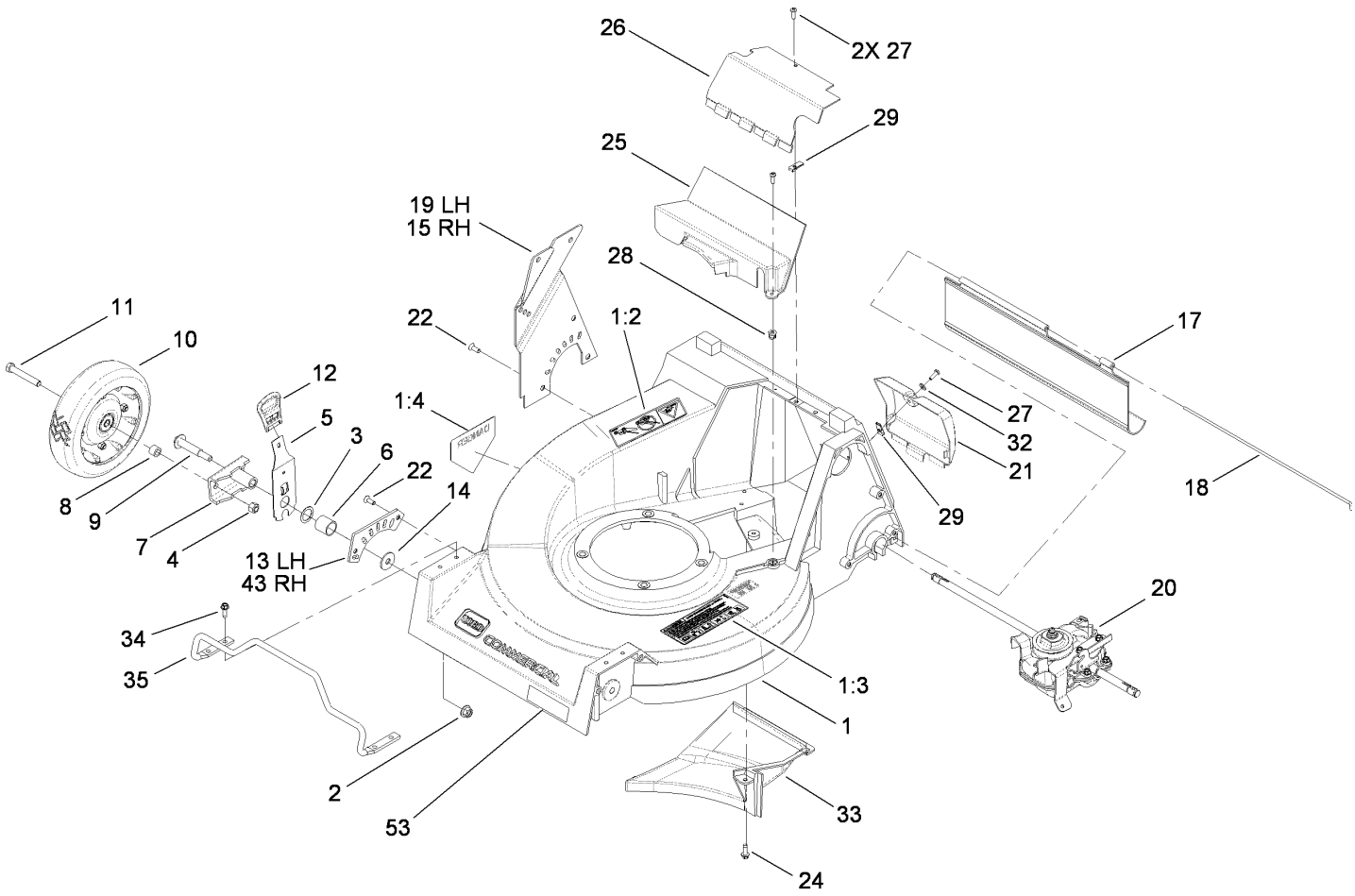
AR	as required
ASM	assembly
BBC	blade brake clutch
CARR	carriage
DEG	degrees
EXT	external
FH	flat head
GA	gauge
HD	heavy-duty
HF	hex flange
HH	hex head
HHF	hex head flange
HHFTF	hex head flange thread forming
HJ	hex jam
HLH	hex lag head
HOC	height-of-cut
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
HYD	hydraulic
LH	left hand
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
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

Footnotes

❶ Not illustrated

❷ Not serviced separately

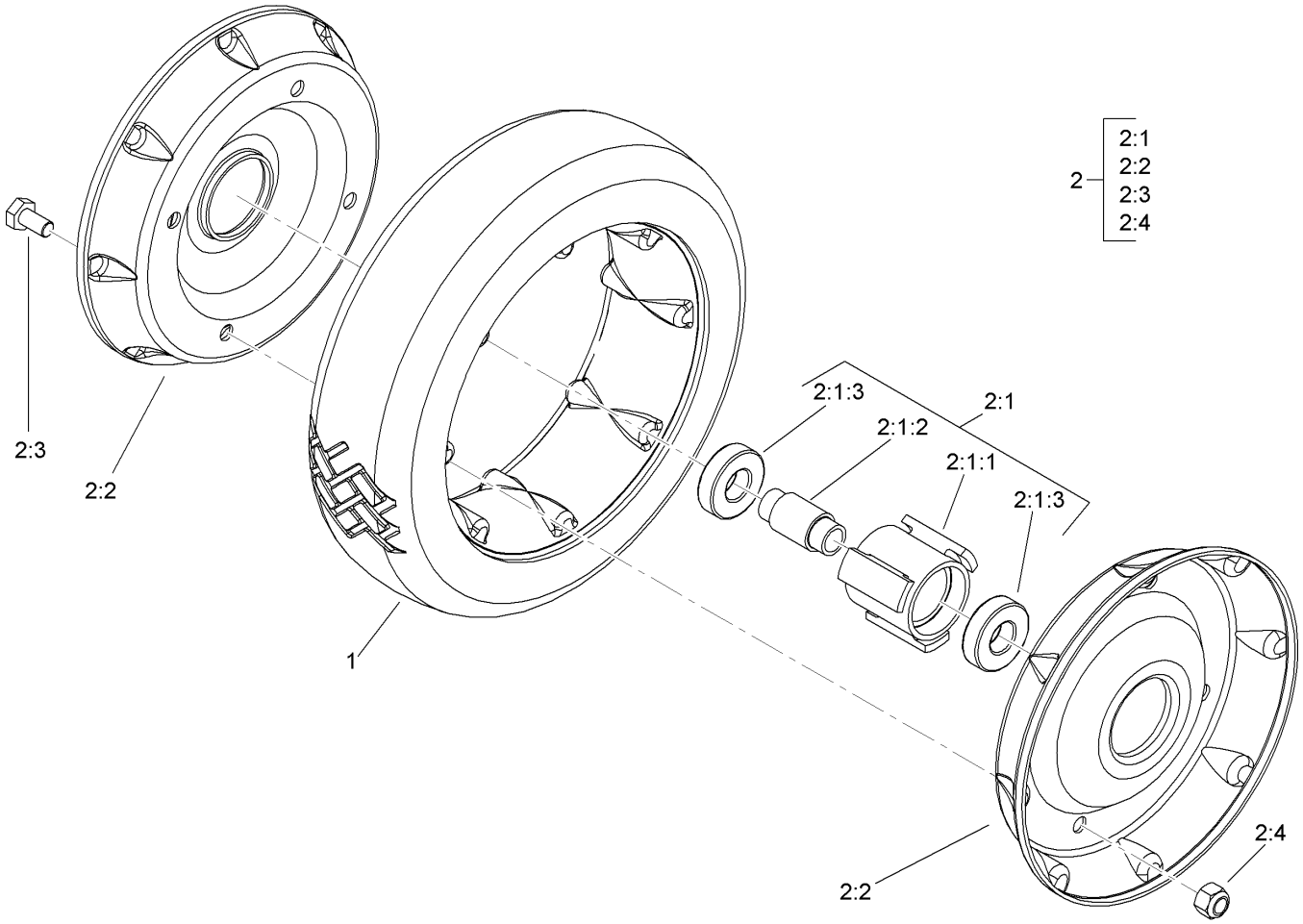
❸ Obtain from your local Kawasaki dealer



Housing Assembly

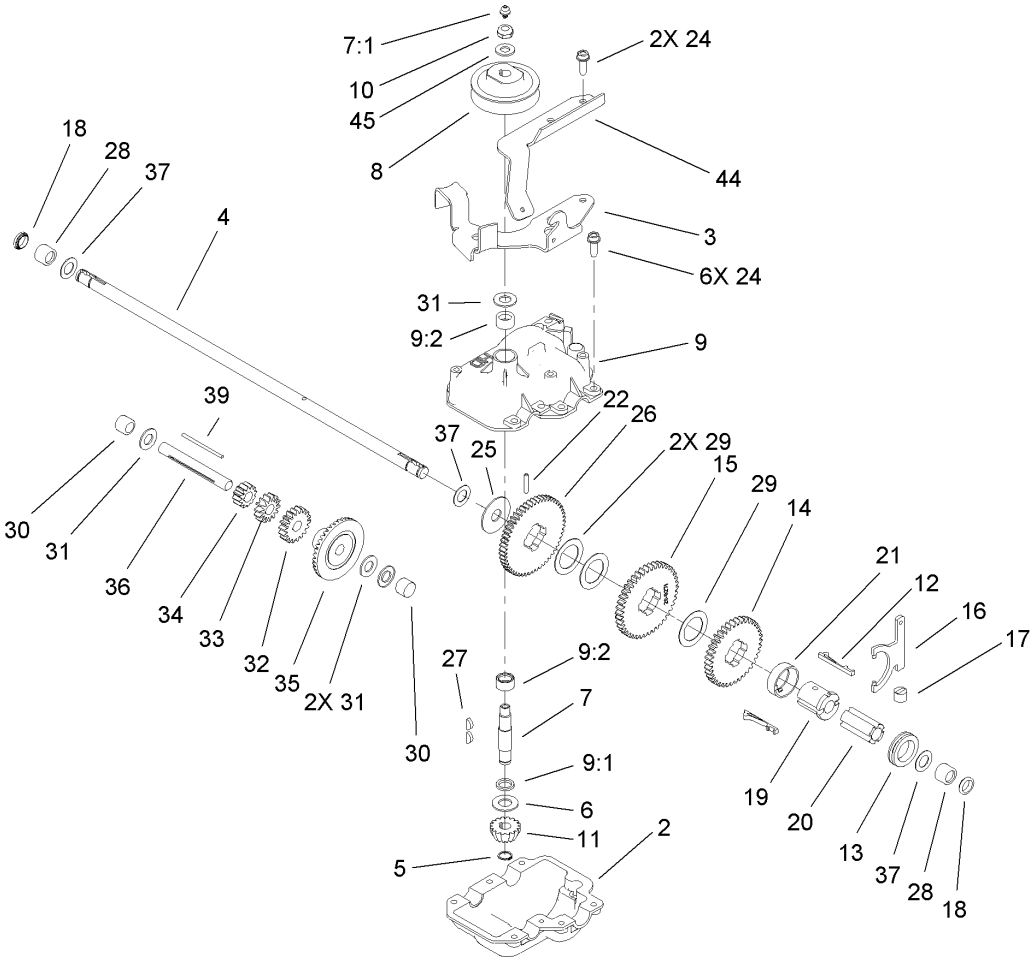
Ref	Part No.	Qty.	Description
1	115-0991	1	Deck ASM
1:2	110-4977	1	Decal-Danger
1:3	110-4989	1	Decal-Warning
1:4	43-8480	1	Decal-Danger
2	54-9190	2	Nut-Lock
3	115-0972	2	Washer
4	32152-2	2	Nut-Lock, Cone
5	115-0980	2	Front Spring Arm ASM
6	75-5310	2	Spacer-Bearing
7	61-8300	2	Arm-Pivot, Front
8	52-2480	2	Spacer-Wheel
9	114-3468	2	Screw-Shoulder
10	100-2870	2	Wheel And Tire ASM
11	323-12	2	Screw-HH
12	110-0549	2	Knob-HOC
❶13	115-0960	1	Plate-Front HOC, LH
14	115-0956	2	Washer
15	115-0978-01	1	Plate-Rear HOC, RH
17	110-0509	1	Sheild-Trailing
18	33-3202	1	Rod-Shield
❶19	115-0977-01	1	Plate-Rear HOC, LH
20	110-2100	1	Gear Case ASM
21	107-4288	1	Door-Access, Rear
22	32144-17	10	Screw-HH

Ref	Part No.	Qty.	Description
24	49-2040	4	Screw-HWHTF
25	107-4297	1	Cover-Belt, Lower
26	107-4298	1	Cover-Belt, Upper
27	32144-32	3	Screw
28	611380	1	Nut-Clip
29	3290-171	2	Nut-Type J
32	3256-14	1	Washer-Flat
33	115-0973	1	Baffle-Chute, Floor
34	49-2040	4	Screw-HWHTF
35	110-4876	1	Guard-Engine
43	115-0961	1	Plate-Front HOC, Right
53	68-7410	1	Decal-Blade



Wheel and Tire Assembly No. 100-2870

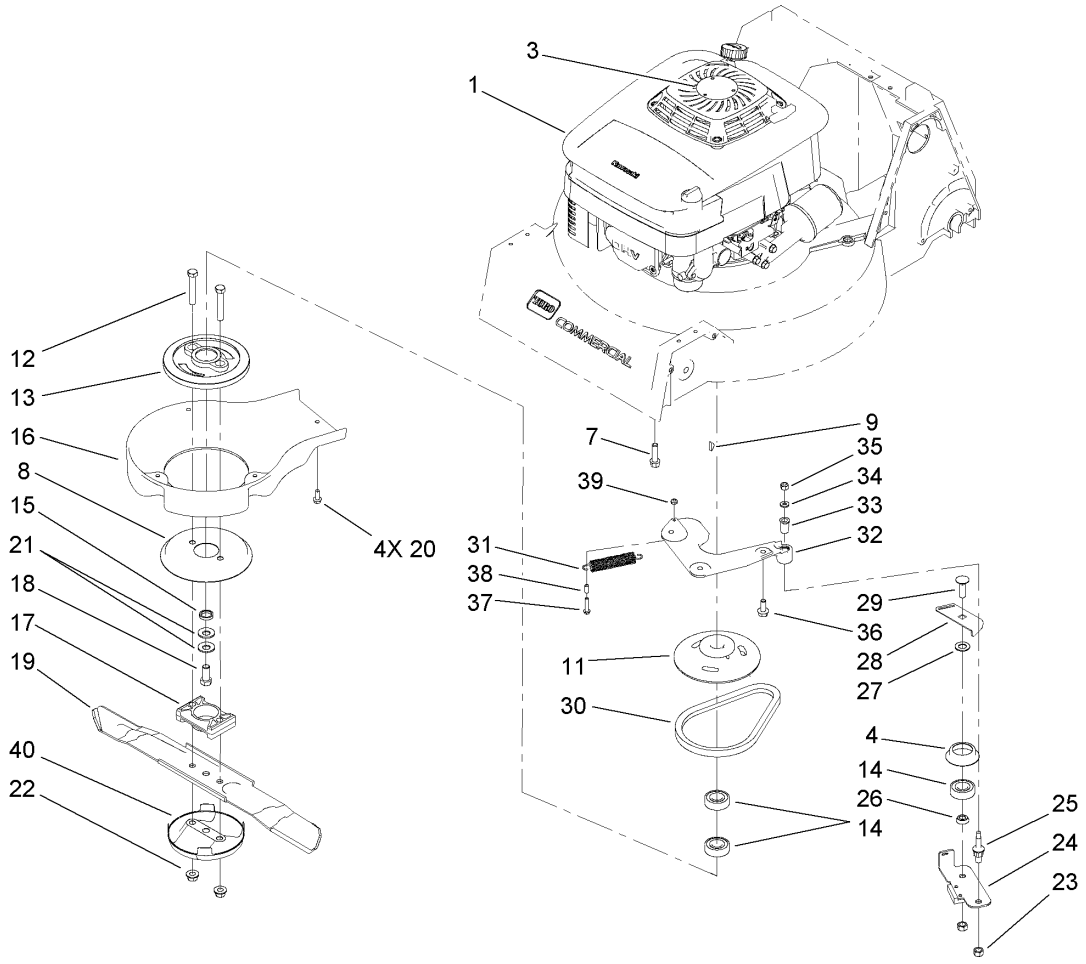
Ref	Part No.	Qty.	Description
1	53-7740	1	Tire
❷2		1	Wheel ASM
❷2:1		1	Hub And Bearing ASM
2:1:1	52-2410	1	Hub-Bearing
2:1:2	52-2440	1	Spacer-Bearing
2:1:3	52-2450	2	Bearing-Wheel
2:2	53-7780-06	2	Plate-Wheel, Half
2:3	321-2	4	Screw-HH
2:4	3296-42	4	Nut-Lock, NI



Gear Case Assembly No. 110-2100

Ref	Part No.	Qty.	Description
2	74-1920	1	Case-Gear, Lower
3	49-8461-03	1	Bracket-Guide, Belt
4	74-1890	1	Shaft-Output
5	32151-57	1	Ring-Retaining
6	47-2910	1	Washer-Thrust
7	13-5149	1	Input Shaft ASM
7:1	302-63	1	Zerk
8	39-6740	1	Pulley
9	13-9739	1	Upper Gearcase ASM
9:1	47-7260	1	Seal
9:2	47-7270	2	Bearing
10	3296-5	1	Nut-Lock
11	39-6660	1	Pinion-Bevel
12	29-9330	2	Key-Shift
13	29-9340	1	Collar-Shift
14	42-4740	1	Gear-38T
15	29-9271	1	Gear-42T
16	60-8870	1	Yoke-Shift
17	29-9570	1	Bushing-Yoke
18	47-6730	2	Seal-Oil
19	55-8010	1	Sleeve-Gear
20	39-6720	1	Sleeve
21	55-8020	1	Retainer-Key
22	3285-19	1	Pin-Groove

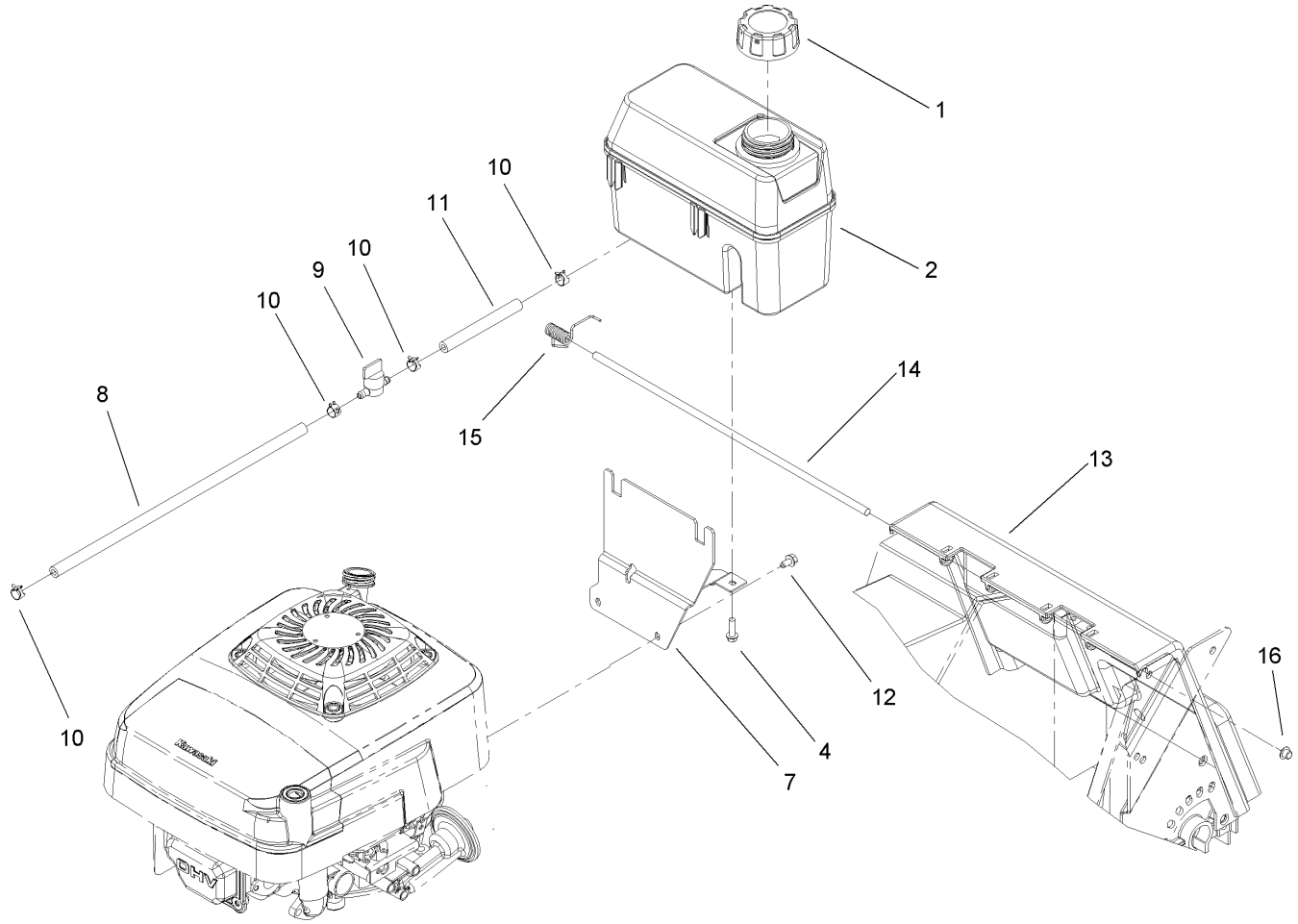
Ref	Part No.	Qty.	Description
24	49-2040	8	Screw-HWHTF
25	29-9690	1	Washer
26	46-3560	1	Gear
27	3257-1	2	Key-Woodruff
28	48-2060	2	Bearing-Roller
29	36-4770	3	Washer
30	252-103	2	Bearing-Closed
31	36-4792	4	Washer-Thrust
32	39-6650	1	Gear-18T
33	46-3550	1	Gear-14T
34	46-3540	1	Gear-12T
35	74-1760	1	Gear-Bevel
36	53-7950	1	Shaft-Intermediate
37	36-4780	3	Washer-Plain
39	39-7842	1	Key
44	108-2648-03	1	Arm-Actuating, Gear Case
45	3256-45	1	Washer-Flat



Engine and Blade Brake Clutch Assembly

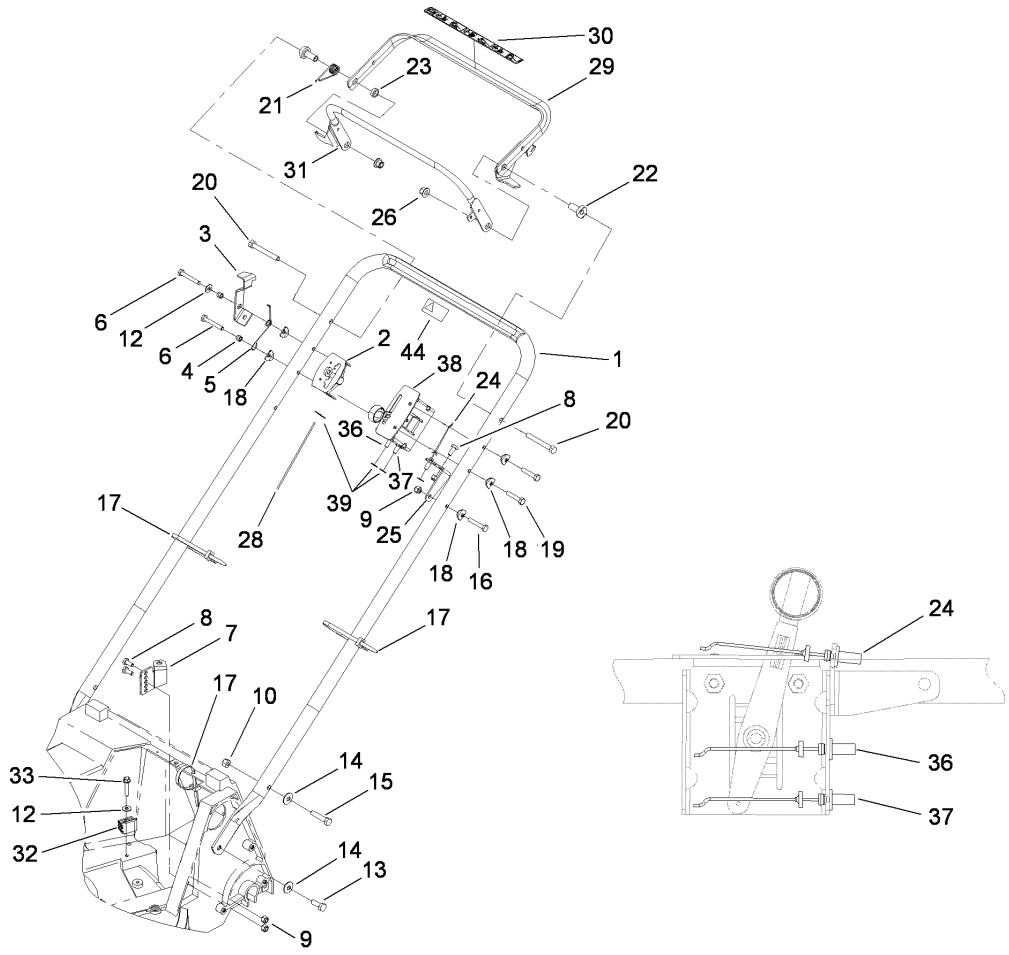
Ref	Part No.	Qty.	Description
1	110-5048	1	Engine-Kawasaki, Fj180V-As30
3	110-0520	1	Decal
4	108-3790	1	Retainer-Belt
7	95-1727	4	Screw-Taptite
8	108-3787	1	Disc
9	3257-17	1	Key-Woodruff
11	110-4967	1	Pulley-Upper Half, BBC
12	104-5936	2	Screw-HH
13	107-0754	1	Drum
14	100-1048	3	Bearing-Ball
15	107-4293	1	Spacer-Plate, BBC
16	110-0508	1	Shield-BBC
17	107-4275	1	Spacer-Blade
18	3212-4	1	Screw-HH
19	91-2256-03	1	Blade-21 Inch
20	32144-85	4	Screw-HWH
21	1-603610	2	Washer-Spring
22	54-9190	2	Nut-Lock
23	603773	2	Nut
24	107-7477	1	Brake Arm ASM
25	107-0759	1	Bolt-Shoulder
26	107-0758	1	Spacer-Bearing
27	605256	1	Washer
28	107-7471	1	Plate-Guide

Ref	Part No.	Qty.	Description
29	3231-25	1	Screw-CARR
30	110-1790	1	Belt-BBC
31	115-4471	1	Spring-Tension, Brake
32	107-4280	1	Plate-Mounting, BBC
33	107-0797	1	Bushing
34	3256-16	1	Washer-Flat
35	3296-42	1	Nut-Lock, NI
36	33104-020	3	Screw-HHF
37	32144-9	1	Screw-TAP
38	107-4292	1	Spacer-BBC
39	3296-27	1	Nut-Lock, NI
40	80-2770	1	Cup-Scalp, Anti



Fuel Tank Assembly

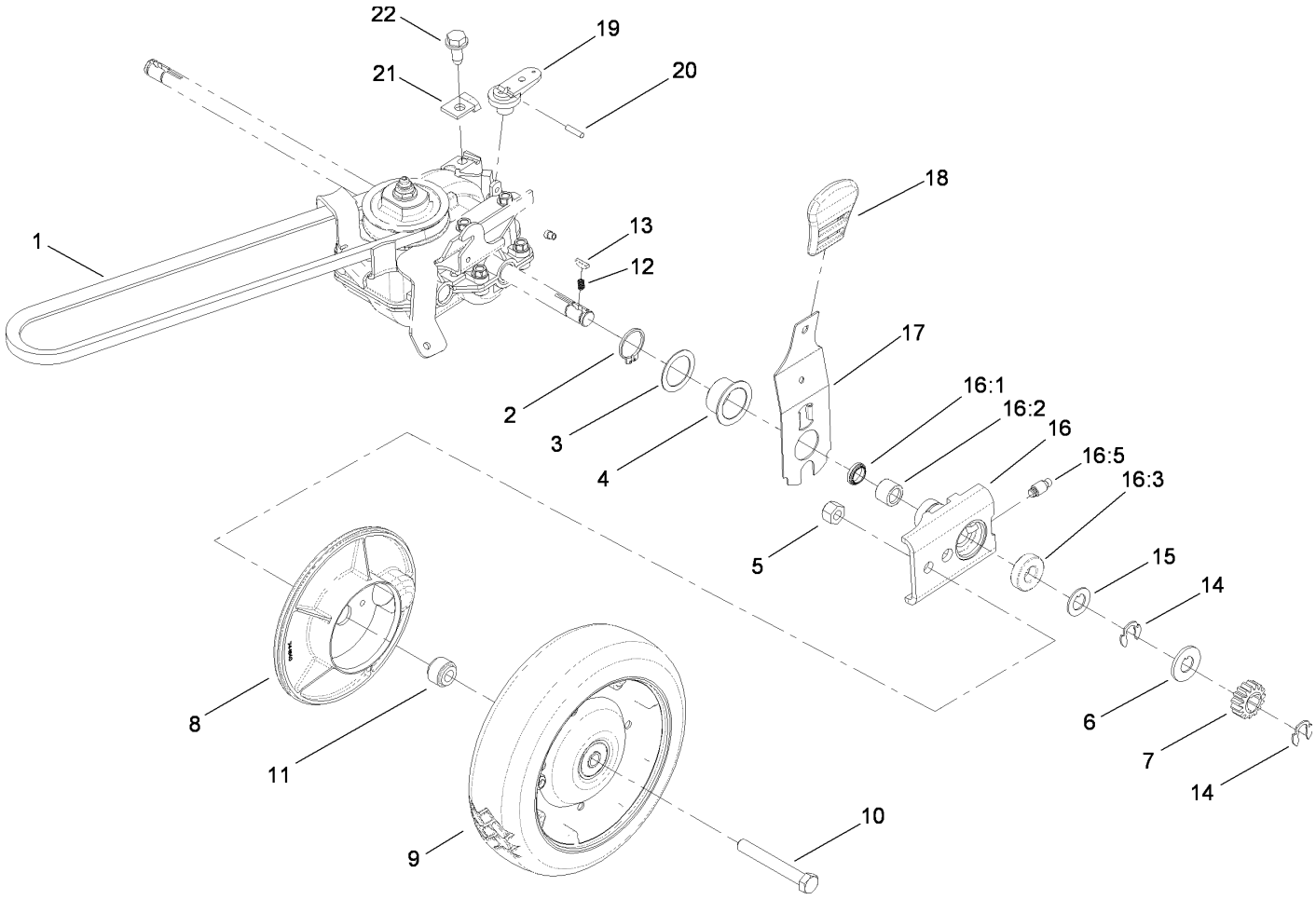
Ref	Part No.	Qty.	Description
1	93-7198	1	Gas Cap ASM
2	106-0625	1	Tank-Fuel
4	46-8091	2	Screw-HWH
7	110-4950-03	1	Tank Mount ASM
8	109-0296	1	Hose-Fuel
9	1-603770	1	Valve-Fuel
10	2412-98	4	Clamp
11	109-0650	1	Hose-Fuel
12	104-2628	3	Screw-HWH
13	110-5018	1	Door-Discharge, Rear
14	107-4286	1	Rod-Door
15	110-5005	1	Spring-Torsion, Door
16	32112-1	2	Pushnut-Cap, Washer



Handle Assembly

Ref	Part No.	Qty.	Description
1	107-4162-03	1	Handle
2	110-5026	1	Control-Shift
3	115-0999-01	1	Latch-Lever, BBC
4	110-0542	2	Spacer-Flange
5	115-0996	1	Spring-Torsion, Latch
6	321-10	2	Screw-HH
7	613580	1	Anchor-Cable
8	321-3	3	Screw-HH
9	3296-42	4	Nut-Lock, NI
10	3296-29	4	Nut-Lock, NI
12	3256-1	2	Washer-Flat
13	322-4	2	Screw-HH
14	3290-456	4	Washer-Belleville
15	322-7	2	Screw-HH
16	321-9	1	Screw-HH
17	3290-378	5	Tie-Cable
18	115-0995	5	Washer
19	321-13	2	Screw-HH
20	322-12	2	Screw-HH
21	115-0993	1	Spring-Torsion
22	49-1631	2	Spacer-Support
23	59-4310	1	Spacer
24	107-4296	1	Cable-BBC
25	115-4455	1	Bracket-Cable, BBC

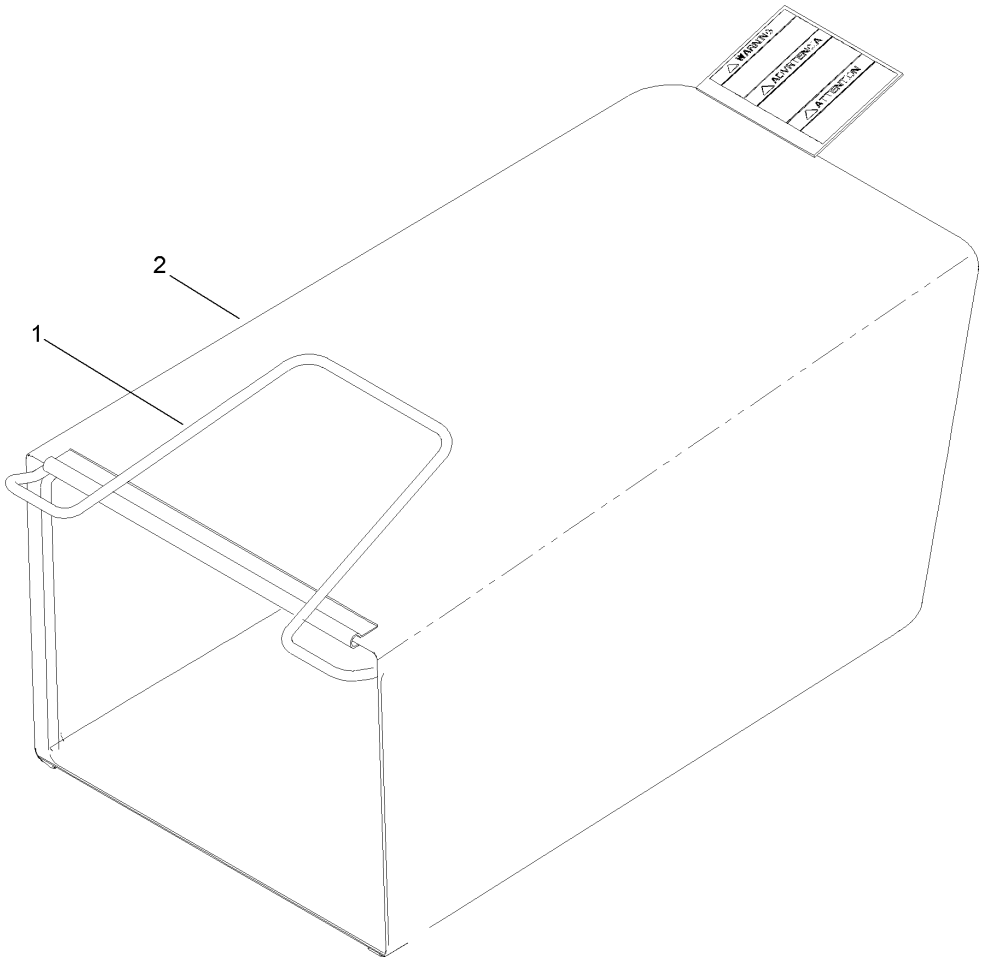
Ref	Part No.	Qty.	Description
26	3296-58	2	Nut-Lock, NI
28	107-4295	1	Cable-Shift
29	110-0545-03	1	Traction Bail ASM
30	110-2114	1	Decal-Control
31	115-4452-03	1	BBC Bail ASM
32	92-7729	1	Anchor-Cable, Upper
33	32144-110	1	Screw-HWH
36	107-4294	1	Cable-Traction
37	110-4923	1	Throttle Cable ASM
38	108-2645	1	Control-Head, Throttle
39	32151-86	4	E-Ring
44	98-4387	1	Decal-Protection, Ear



Rear Suspension Assembly

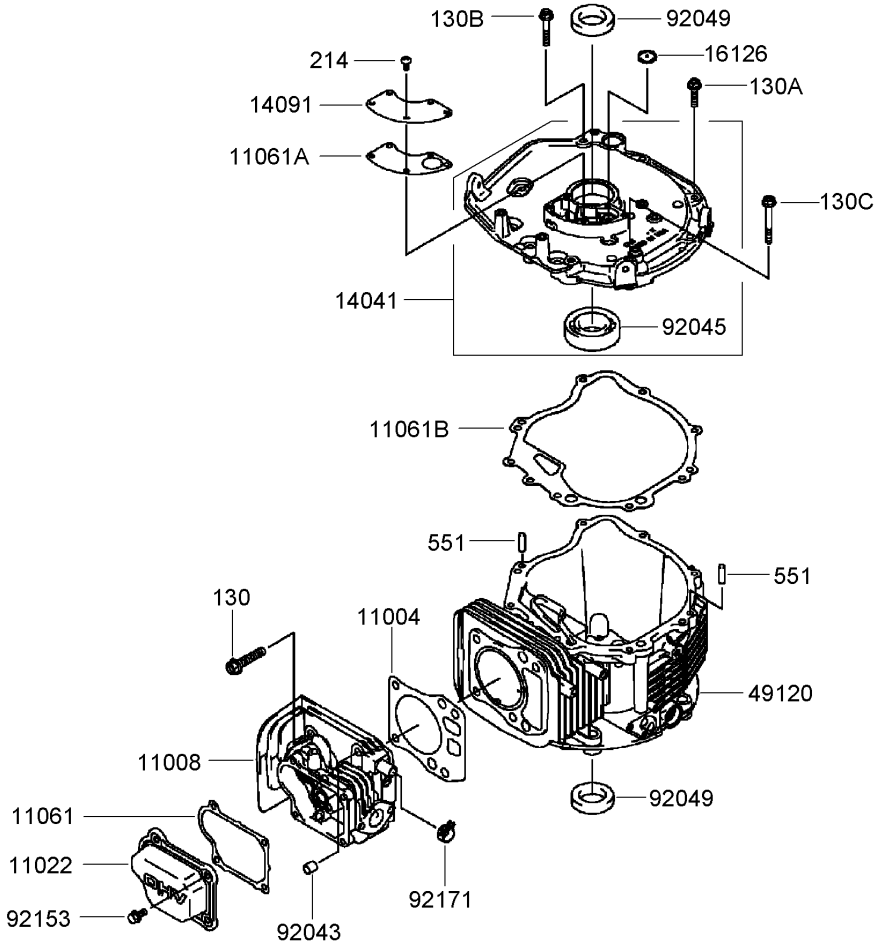
Ref	Part No.	Qty.	Description
1	612652	1	V-Belt
2	32151-36	2	Ring-Retaining
3	74-1810	2	Washer
4	115-0966	2	Bushing-Flange
5	32152-2	2	Nut-Lock, Cone
6	62-3830	2	Washer-Thrust, Outer
7	39-9160	2	Gear-Pinion
8	74-1640	2	Cover-Wheel
9	100-2860	2	Wheel And Tire ASM
10	323-13	2	Screw-HH
11	74-1650	2	Spacer-Cover, Wheel
12	39-9650	2	Spring-Compression
13	612066	2	Key
14	32151-68	4	Ring-Retaining
15	49-7700	2	Washer-Thrust, Outer
16	74-1851	2	Pivot Arm ASM
16:1	47-6730	1	Seal-Oil
16:2	48-2060	1	Bearing-Roller
16:3	52-2450	1	Bearing-Wheel
16:5	92-6316	1	Zerk
17	115-0979	2	Rear Spring Arm ASM
18	110-0549	2	Knob-HOC
19	29-9560	1	Lever-Shift
20	32121-99	1	Pin-Coil

Ref	Part No.	Qty.	Description
21	62-3720	1	Clamp-Cable
22	32144-70	1	Screw-HWHTF



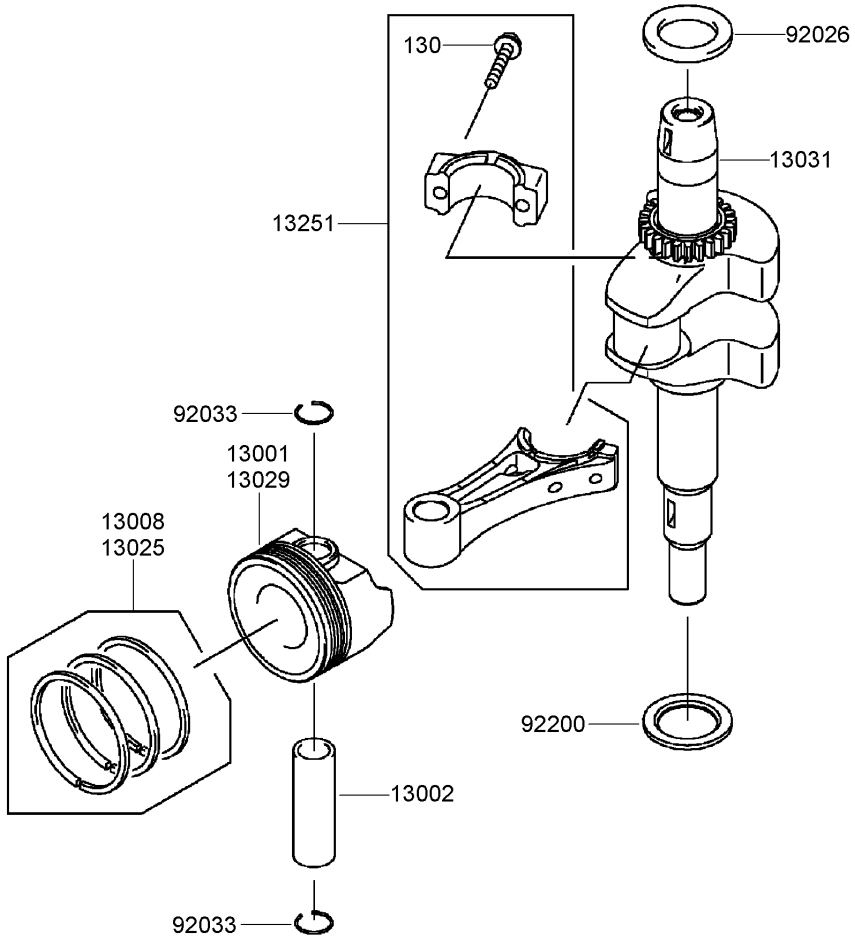
Grass Bag Assembly No. 110-2140

Ref	Part No.	Qty.	Description
1	110-0510-03	1	Frame ASM
2	110-0530	1	Bag-Grass



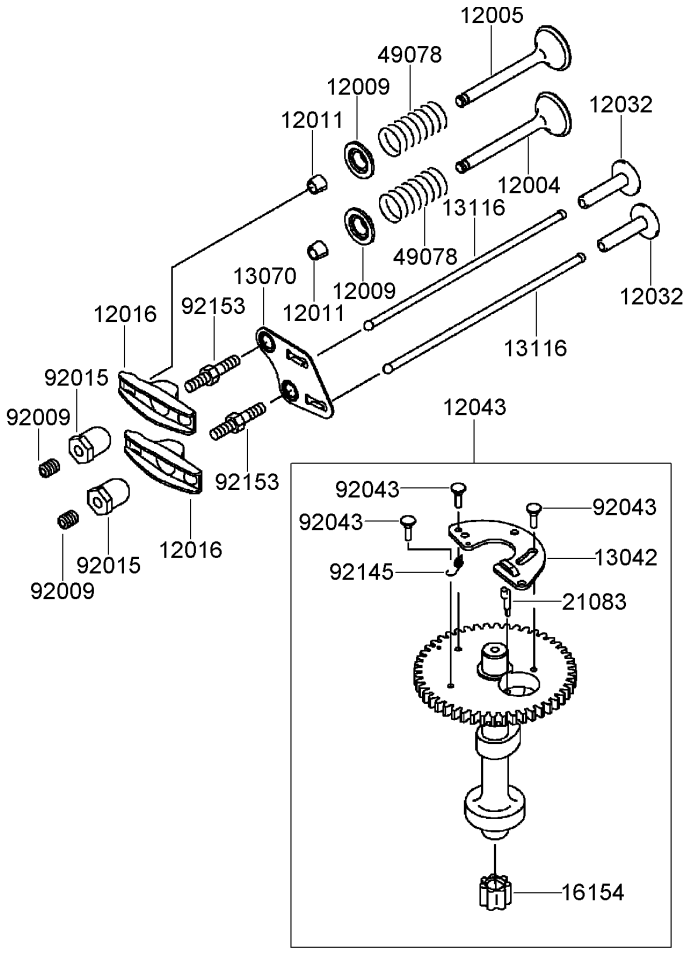
Cylinder and Crankcase Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸11004	11004-7020	1	Gasket-Head
❸11008	11008-7025	1	Head-Cylinder
❸11022	11022-7005	1	Case-Rocker
❸11061	11061-7023	1	Gasket-Case, Rocker
❸11061A	11061-7031	1	Gasket-Breather
❸11061B	11061-7060	1	Gasket-Cover, Crankcase
❸14041	14041-7010	1	Cover
❸14091	14091-7010	1	Cover-Breather
❸16126	16126-7014	1	Valve-Breather
❸49120	49120-7082	1	Crankcase
❸92043	92043-7001	2	Pin
❸92045	92045-1207	1	Bearing-Ball (62/28)
❸92049	92049-7008	2	Seal-Oil (28-44-9 T C)
❸92153	92153-7043	4	Bolt (6X12)
❸92171	92171-7024	1	Clamp
❸130	130CA0840	4	Bolt-Flanged (8X40)
❸130A	130G0625	7	Bolt-Flanged (6X25)
❸130B	130G0635	1	Bolt-Flanged (6X35)
❸130C	130G0650	1	Bolt-Flanged,6X50
❸214	214B0510	5	Screw-Pan (5X10)
❸551	551A0612	2	Pin-Dowel (6X12)



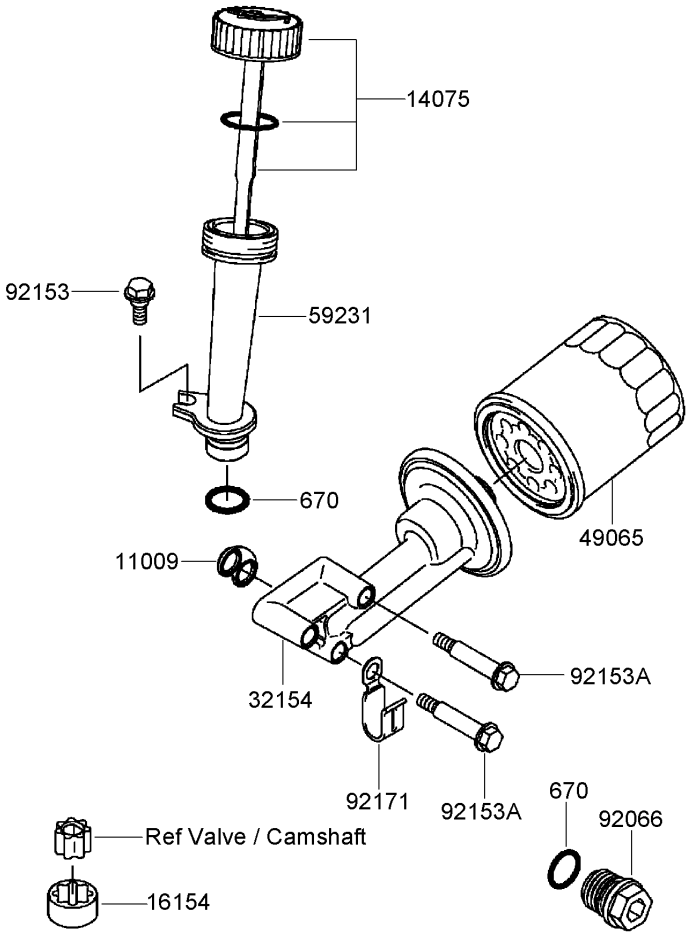
Piston and Crankshaft Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸13001	13001-7022	1	Piston-Engine
❸13002	13002-7001	1	Pin-Piston
❸13008	13008-7002	1	Piston Ring Set
❸13025	13025-7006	1	Piston Ring Set (L 0.50)
❸13029	13029-7005	1	Piston-Engine (L 0.50)
❸13031	13031-7077	1	Crankshaft
❸13251	13251-7011	1	Connecting Rod ASM
❸92026	92026-7020	1	Spacer
❸92033	92033-7002	2	Ring-Snap
❸92200	92200-7042	1	Washer (28X41.5X2.5)
❸130	130G0630	2	Bolt-Flanged (6X30)



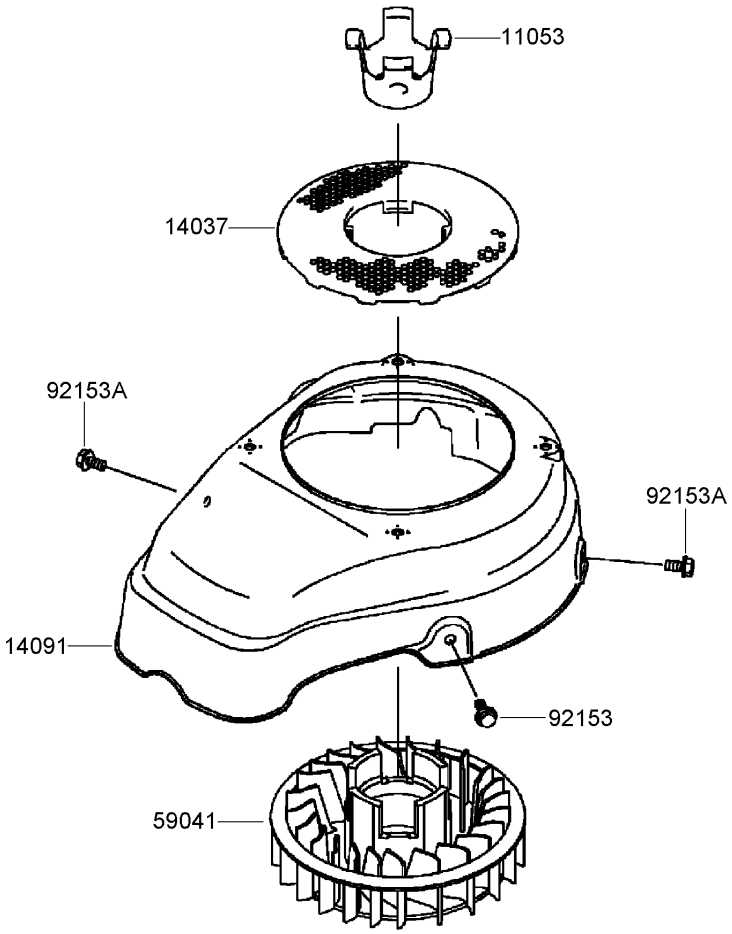
Valve and Camshaft Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸12004	12004-7005	1	Valve-Intake
❸12005	12005-7006	1	Valve-Exhaust
❸12009	12009-7001	2	Retainer-Spring, Valve
❸12011	12011-2056	4	Collet
❸12016	12016-7008	2	Arm-Rocker
❸12032	12032-7001	2	Tappet
❸12043	12043-7005	1	Camshaft Valve ASM
❸13042	13042-7006	1	Weight
❸13070	13070-7009	1	Guide
❸13116	13116-7003	2	Rod-Push
❸16154	16154-7004	1	Rotor-Pump
❸21083	21083-7009	1	Arm
❸49078	49078-7001	2	Spring-Valve, Engine
❸92009	92009-2341	2	Screw
❸92015	92015-2253	2	Nut
❸92043	92043-7006	3	Pin
❸92145	92145-7016	1	Spring
❸92153	92153-7019	2	Bolt



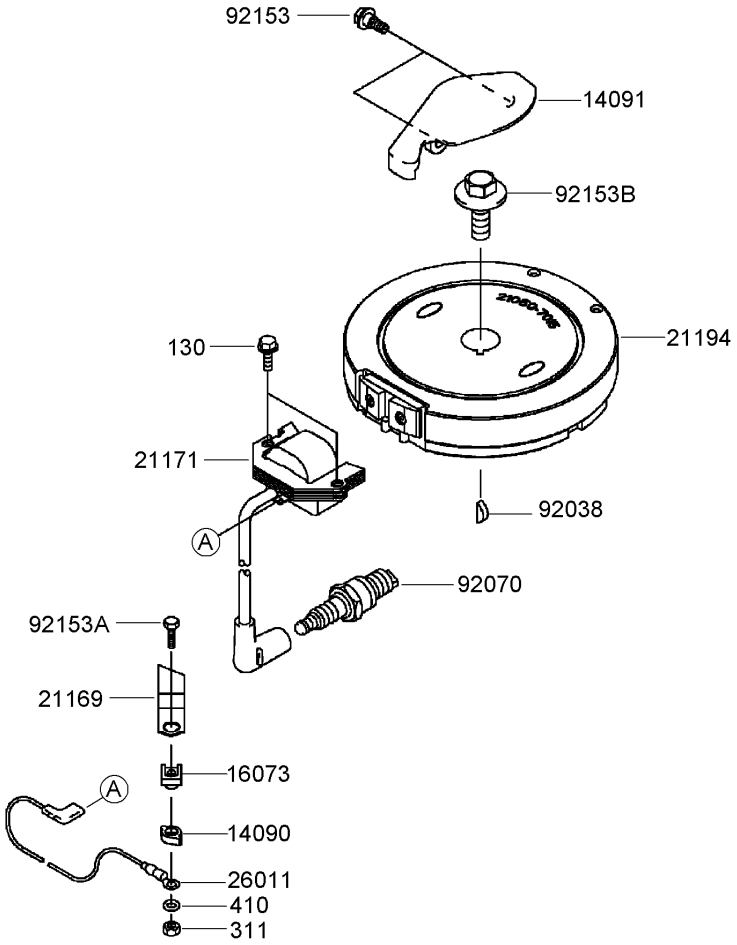
Lubrication Equipment Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸11009	11009-2860	1	Gasket
❸14075	14075-7007	1	Cap ASM
❸16154	16154-7002	1	Rotor-Pump
❸32154	32154-7018	1	Pipe
❸49065	49065-2078	1	Filter-Oil
❸59231	59231-7004	1	Filler
❸92066	92066-7003	1	Plug
❸92153	92153-7007	1	Bolt
❸92153A	92153-7028	3	Bolt
❸92171	92171-7008	1	Clamp
❸670	670D2016	2	O-Ring (16Mm)



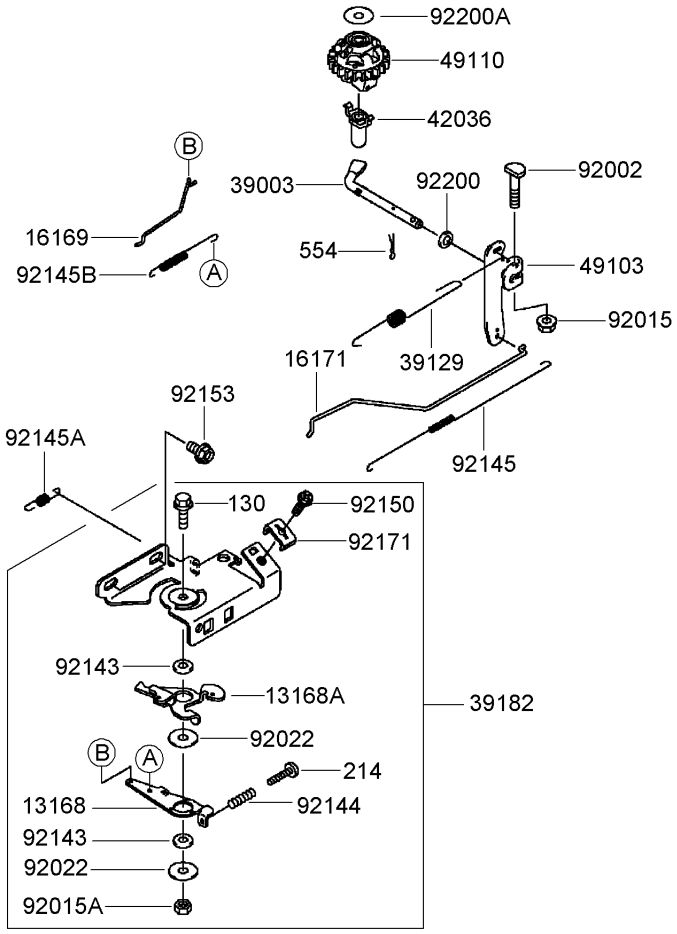
Cooling Equipment Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸11053	11053-7009	1	Bracket-Fan
❸14037	14037-7017	1	Screen
❸14091	14091-7053	1	Cover
❸59041	59041-7009	1	Fan
❸92153	92153-7007	1	Bolt
❸92153A	92153-7043	2	Bolt (6X12)



Electric Equipment Assembly
Kawasaki FJ180V-AS30

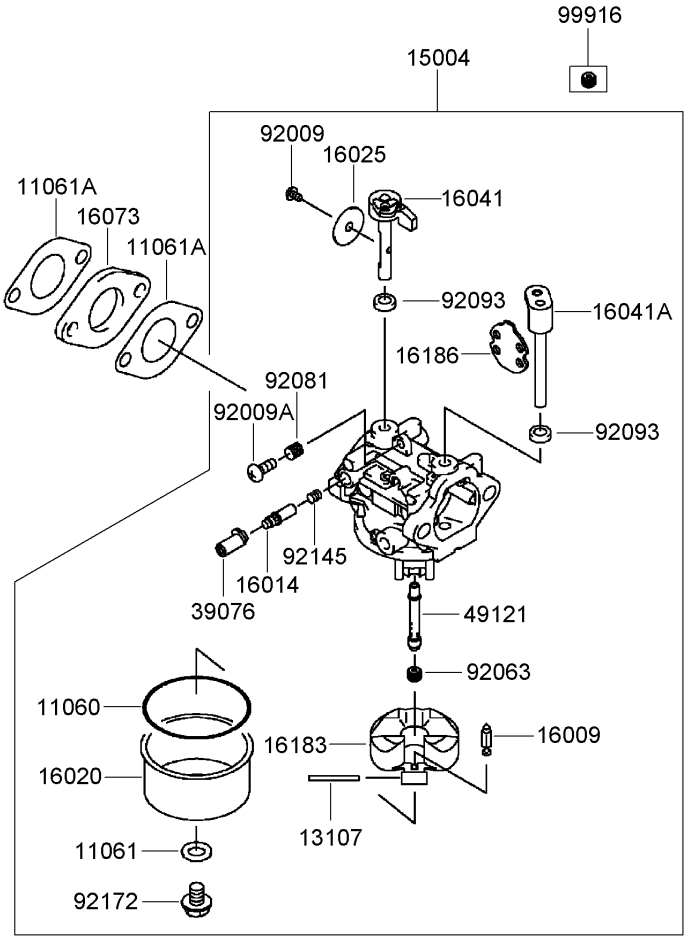
Ref	Part No.	Qty.	Description
❸14090	14090-2108	1	Cover
❸14091	14091-7036	1	Cover
❸16073	16073-2192	1	Insulator
❸21169	21169-2071	1	Terminal
❸21171	21171-7030	1	Ignition Coil ASM
❸21194	21194-7024	1	Flywheel
❸26011	26011-7013	1	Wire-Lead
❸92038	92038-2077	1	Key
❸92070	92070-2088	1	Spark Plug, B P R 5E S (N G K) Solid
❸92153	92153-7007	2	Bolt
❸92153A	92153-7012	1	Bolt (4X16)
❸92153B	92153-7030	1	Bolt (12X30)
❸130	130B0620	2	Bolt-Flanged (6X20)
❸311	311B0400	1	Nut-Hex (4Mm)
❸410	410B0400	1	Washer-Plain, S (4Mm)



Control Equipment Assembly
Kawasaki FJ180V-AS30

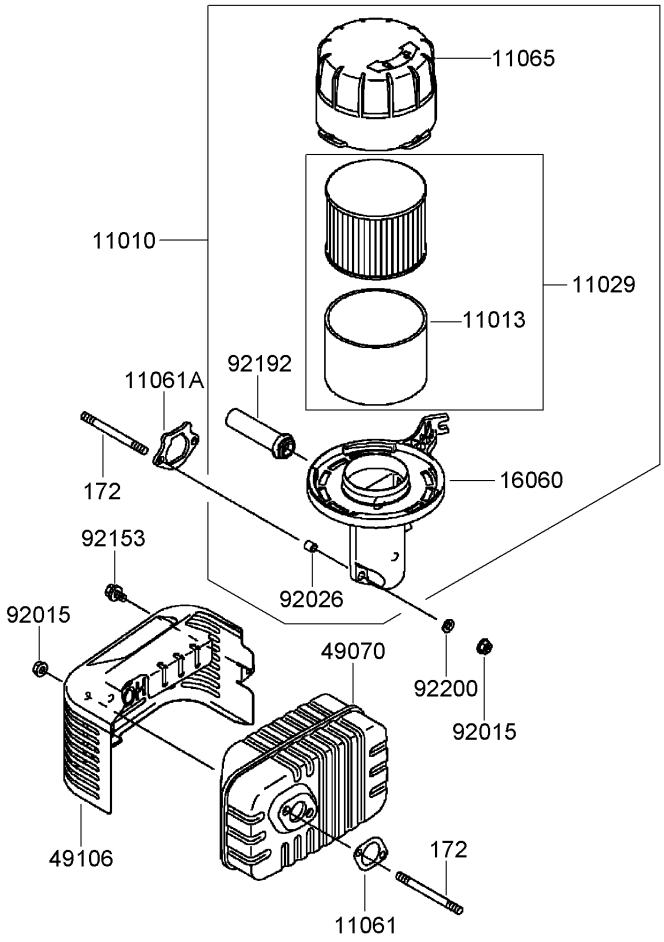
Ref	Part No.	Qty.	Description
❸13168	13168-7028	1	Lever
❸13168A	13168-7032	1	Lever
❸16169	16169-7015	1	Link-Choke
❸16171	16171-7015	1	Link-Throttle
❸39003	39003-7002	1	Arm-Pivot
❸39129	39129-7014	1	Spring-Governor
❸39182	39182-7007	1	Panel-Assy-Control
❸42036	42036-2051	1	Sleeve
❸49103	49103-7005	1	Arm-Governor
❸49110	49110-7002	1	Governor ASM
❸92002	92002-2269	1	Bolt (6X28)
❸92015	92015-1193	1	Nut
❸92015A	92015-2051	1	Nut
❸92022	92022-2372	2	Washer (6X19X1.2)
❸92143	92143-2135	2	Collar (6X13X2.3)
❸92144	92144-2266	1	Spring
❸92145	92145-7025	1	Spring-Throttle
❸92145A	92145-7032	1	Spring
❸92145B	92145-7043	1	Spring
❸92150	92150-2182	1	Bolt (5X18)
❸92153	92153-7043	2	Bolt (6X12)
❸92171	92171-7016	1	Clamp
❸92200	92200-2029	1	Washer (6.5X11.5X2.0)
❸92200A	92200-2036	1	Washer (6.2X20X0.5)

Ref	Part No.	Qty.	Description
❸130	130B0618	1	Bolt-Flanged
❸214	214B0420	1	Screw-Pan +- (4X20)
❸554	554A0600	1	Pin-Snap (1.2X21.2)



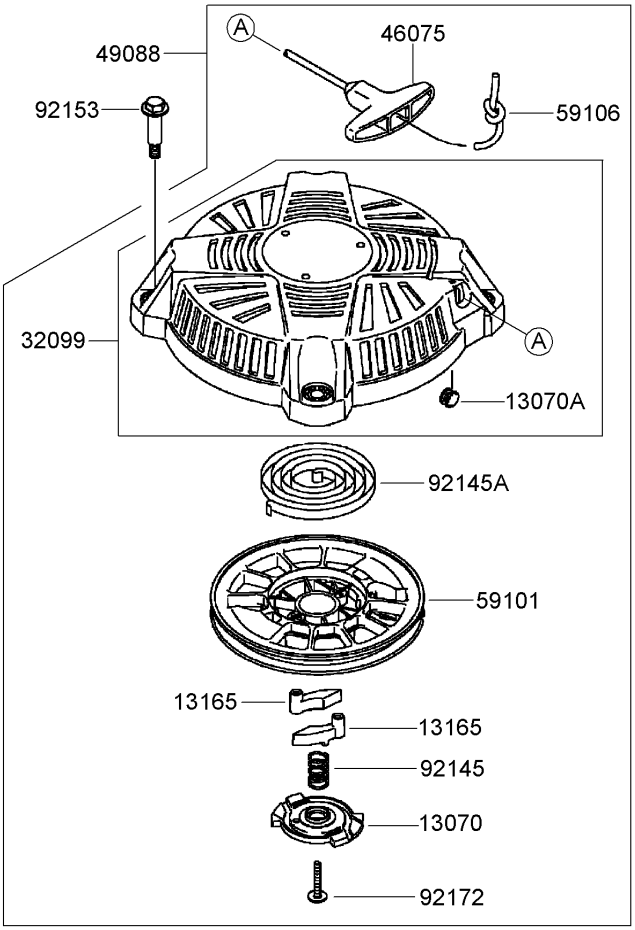
Carburetor Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸11060	11060-2190	1	Gasket
❸11061	11061-7010	1	Gasket-Screw
❸11061A	11061-7015	2	Gasket-Insulator
❸13107	13107-7024	1	Shaft
❸15004	15004-7010	1	Carburetor ASM
❸16009	16009-2136	1	Needle-Jet
❸16014	16014-7008	1	Screw-Air, Pilot
❸16020	16020-7004	1	Chamber-Float
❸16025	16025-7007	1	Valve-Throttle
❸16041	16041-7019	1	Shaft-Carburetor
❸16041A	16041-7020	1	Shaft-Carburetor
❸16073	16073-7006	1	Insulator
❸16183	16183-2002	1	Float ASM
❸16186	16186-7003	1	Choke Valve ASM
❸39076	39076-7001	1	Limiter
❸49121	49121-7014	1	Nozzle-Main
❸92009	92009-2083	1	Screw
❸92009A	92009-2349	1	Screw
❸92063	92063-7067	1	Jet-Main (No 70)
❸92081	92081-2234	1	Spring
❸92093	92093-2100	2	Seal
❸92145	92145-7015	1	Spring
❸92172	92172-7002	1	Screw
❸99916	99916-7007	1	Main Jet K H I Parts Kit



Air Filter and Muffler Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸11010	11010-7021	1	Air Filter ASM
❸11013	11013-7037	1	Element-Filter, Air
❸11029	11029-7023	1	Air Filter Element ASM
❸11061	11061-7029	1	Gasket-Muffler
❸11061A	11061-7075	1	Gasket-Pipe, Intake
❸11065	11065-7018	1	Cap
❸16060	16060-7026	1	Pipe-Intake
❸49070	49070-7022	1	Muffler
❸49106	49106-7021	1	Cover-Muffler
❸92015	92015-1193	4	Nut
❸92026	92026-7021	2	Spacer
❸92153	92153-7023	1	Bolt (6X10)
❸92192	92192-7083	1	Tube
❸92200	92200-7022	2	Washer
❸172	172G0680	4	Bolt-Stud (6X80)



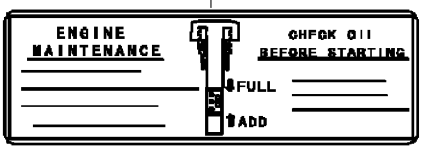
Starter Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸13070	13070-7014	1	Guide
❸13070A	13070-7015	1	Guide
❸13165	13165-7002	2	Pawl-Starter, Recoil
❸32099	32099-7004	1	Case-Starter, Recoil
❸46075	46075-7002	1	Grip
❸49088	49088-7024	1	Starter-Recoil
❸59101	59101-7002	1	Reel-Starter, Recoil
❸59106	59106-7006	1	Rope (1500Mm)
❸92145	92145-7052	1	Spring
❸92145A	92145-7053	1	Spring
❸92153	92153-7021	4	Bolt (M6)
❸92172	92172-7030	1	Screw

56070



56033



Label Assembly
Kawasaki FJ180V-AS30

Ref	Part No.	Qty.	Description
❸56033	56033-7003	1	Label-Manual
❸56070	56070-7001	1	Label-Warning

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