Form Number 3359-815 Rev B

Precision Z3500 HLX
Riding Mower

Model No. 81271 - 280000001 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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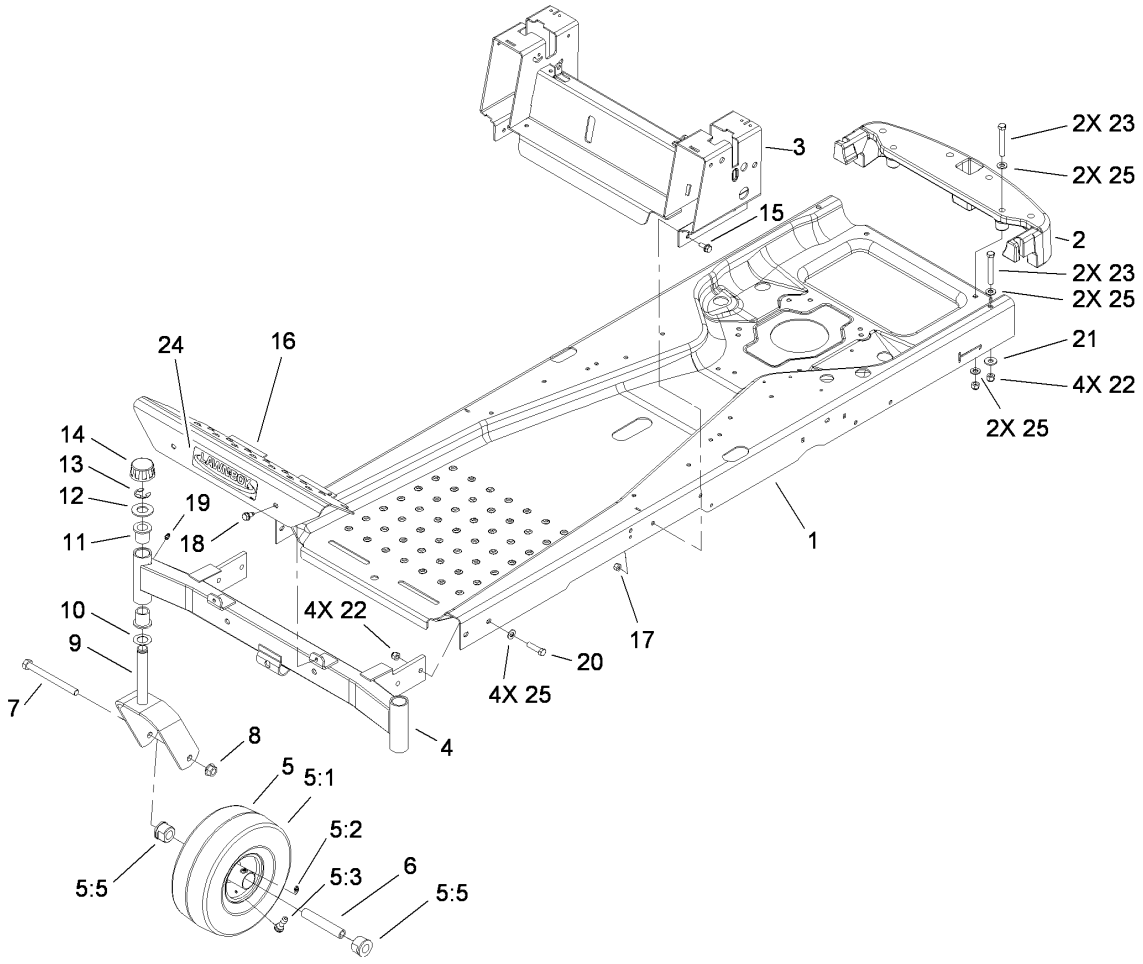
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
CCW. . . . . counter clock wise
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
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

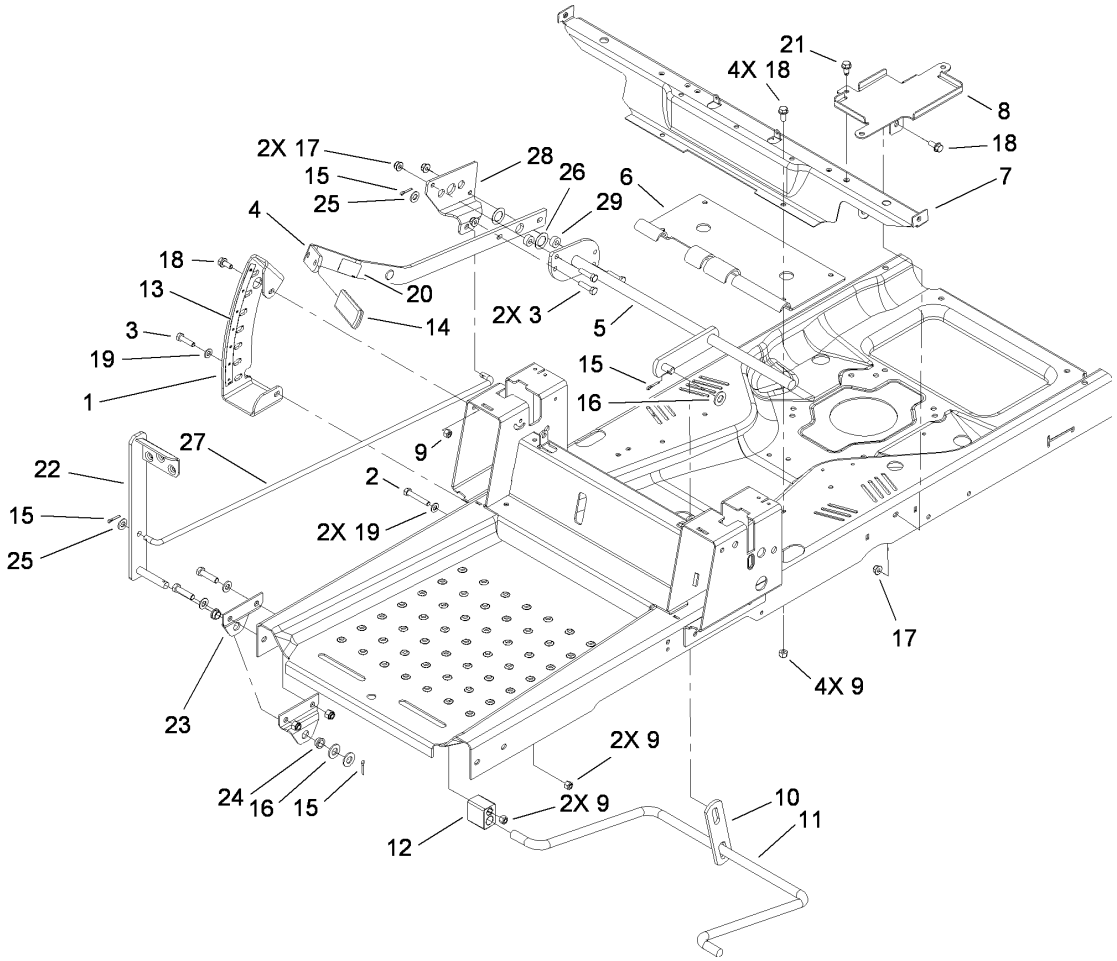
❶ Not illustrated
❷ Not serviced separately
❸ Obtain parts from www.kawpowerepc.com



Frame Assembly

Ref	Part No.	Qty.	Description
1	115-2464-02	1	Frame
2	110-6899-03	1	Bumper-Rear
3	115-2468-03	1	Seat And Control ASM
4	108-7882-02	1	Front Axle ASM
5	108-8502	2	Caster Wheel ASM
5:1	108-8503	1	Tire-Smooth
5:2	302-5	1	Fitting-Grease
5:3	232-27	1	Stem-Valve
5:5	114-1640	2	Bushing-Flange
❶5:99	93-4244	1	Tube-Inner (W/Valve)
6	104-3667	2	Spanner-Wheel
7	325-22	2	Screw-HH
8	32128-23	2	Nut-HF
9	108-7851-02	2	Caster Fork ASM
10	110-6767	2	Washer-Thrust
11	1-303514	4	Bearing-Flanged
12	104-8076	2	Washer
13	32151-103	2	Ring-Retaining, EXT
14	61-9780	2	Cap-Hub
15	3234-47	7	Screw-HHF
16	108-7855-03	1	Footrest
17	3296-29	7	Nut-Lock, NI
18	32104-32	2	Screw-HWH
19	302-5	2	Fitting-Grease

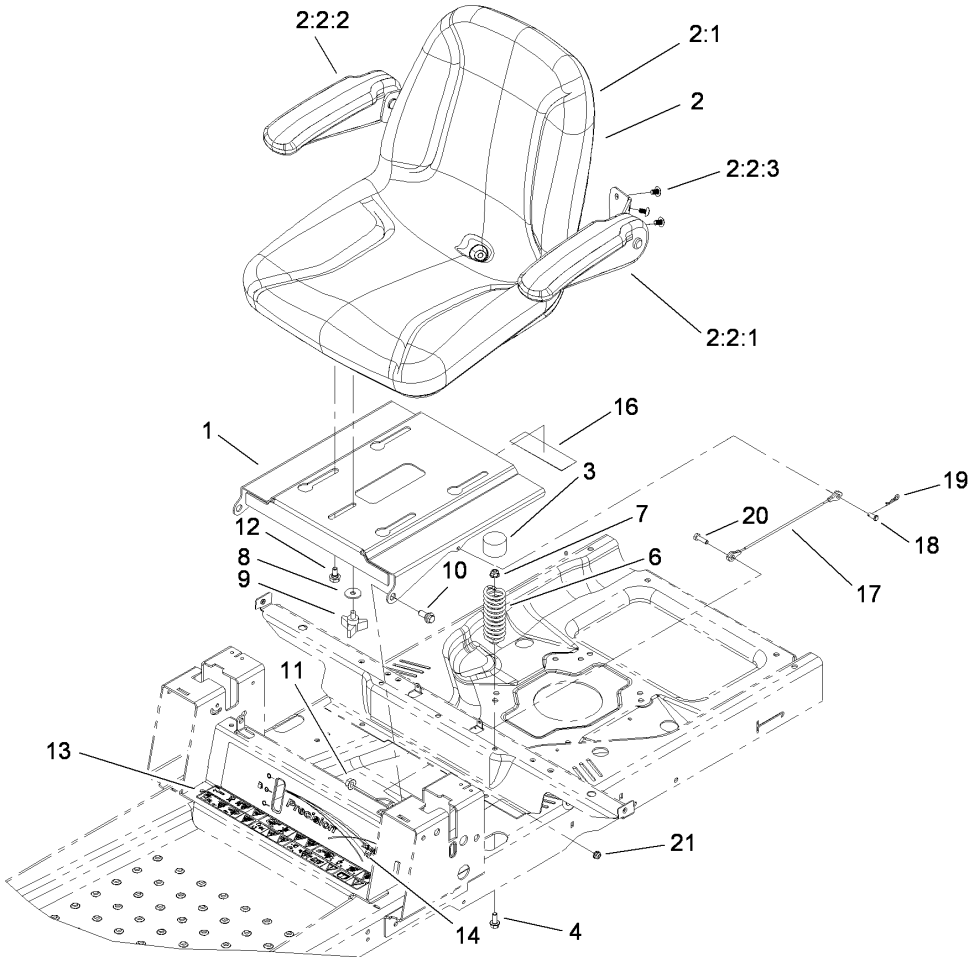
Ref	Part No.	Qty.	Description
20	323-8	4	Screw-HH
21	80-6990	2	Washer-Hardened
22	3296-39	8	Nut-Lock, NI
23	323-13	4	Screw-HH
24	114-8505	1	Decal
25	3256-24	10	Washer-Flat



Deck Lift and Seat Support Assembly

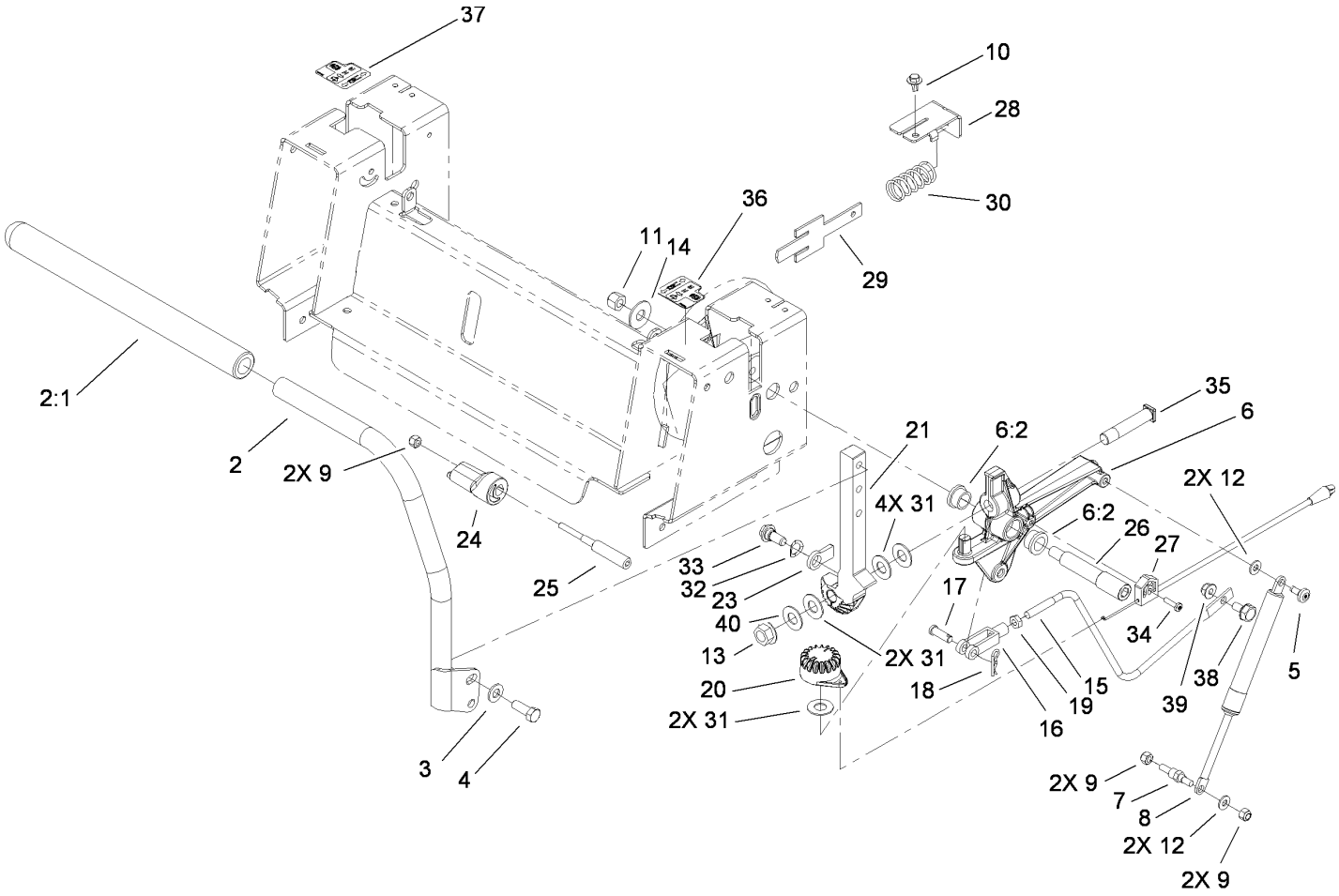
Ref	Part No.	Qty.	Description
1	112-4027-03	1	Sector-HOC
2	322-10	2	Screw-HH
3	322-6	3	Screw-HH
4	112-3960-03	1	Lift Arm ASM
5	108-7841-03	1	Lift Lever ASM
6	110-6800-03	1	Plate-Lift
7	110-6805-03	1	Bracket-Seat/Pods
8	110-1937-03	1	Tray-Battery
9	3296-29	8	Nut-Lock, NI
10	108-7840	1	Link-Lift
11	108-7839	1	Arm-Lift, Rear
12	108-7845	2	Block-Pivot
13	112-9802	1	Decal-HOC
14	105-3450	1	Grip-Lever, Lift
15	3272-10	4	Pin-Cotter
16	3256-26	3	Washer-Flat
17	104-8300	3	Nut-Flange, NI
18	3234-47	6	Screw-HHF
19	3256-23	3	Washer-Flat
20	106-8743	1	Decal
21	32104-32	1	Screw-HWH
22	112-4018-03	1	Pedal ASM
23	112-3954-03	2	Bracket-Footlift
24	256-156	2	Bushing-Flange

Ref	Part No.	Qty.	Description
25	3256-24	2	Washer-Flat
26	3-6498	2	Washer-Thrust
27	112-3958	1	Rod-Lift
28	112-3959	1	Plate-Footlift
29	112-3961	2	Spacer



Seat Assembly

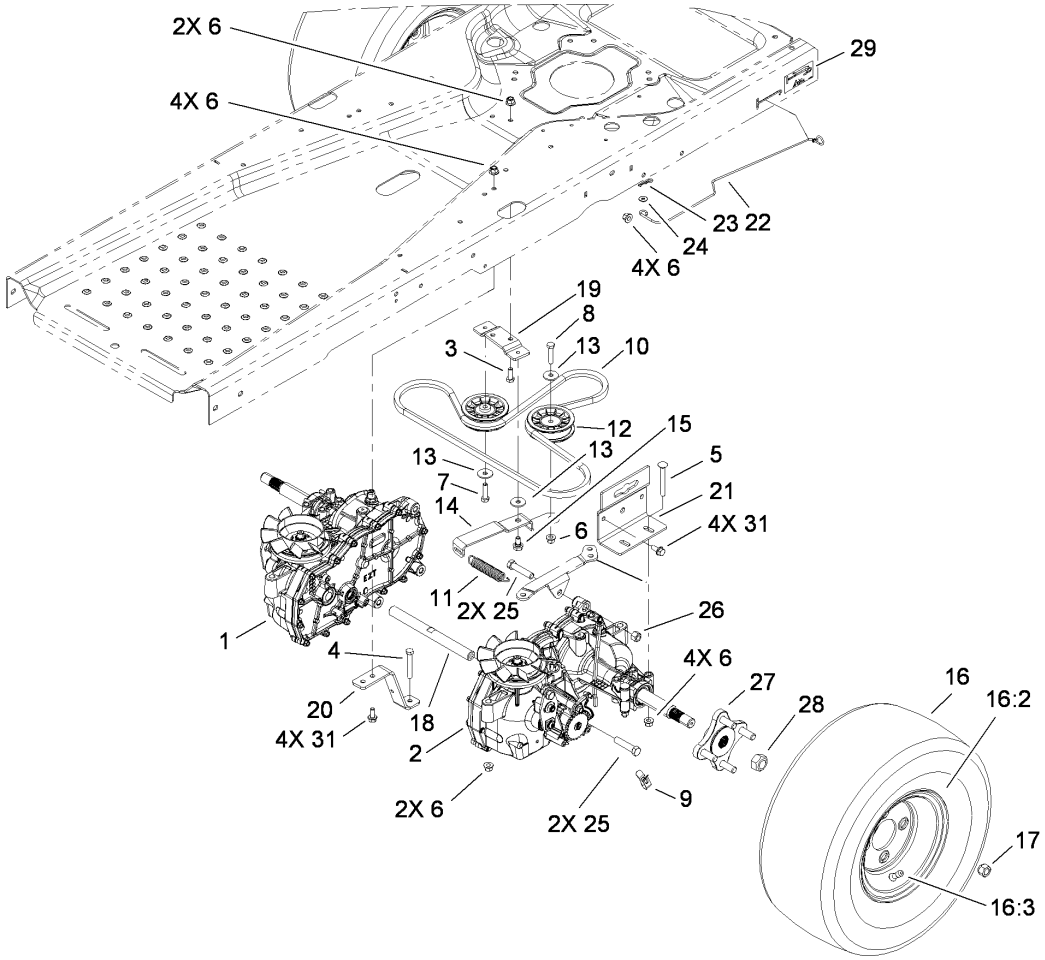
Ref	Part No.	Qty.	Description
1	115-2465-03	1	Base-Seat
2	110-6777	1	18 Inch Seat ASM (W/Arm Rests)
2:1	110-6773	1	Seat-18 Inch
❶❷2:2		1	Armrest Kit
2:2:1	110-6569	1	LH Armrest Kit
2:2:2	110-6570	1	RH Armrest Kit
2:2:3	108-6179	6	Screw-HSBH
3	701178	2	Cap-Protector
4	3234-47	2	Screw-HHF
6	92-7054	2	Spring-Compression
7	104-8300	2	Nut-Flange, NI
8	5-4460	1	Washer-Pivot
9	92-9674	1	Knob
10	94-7582	2	Bolt-Shoulder
11	32128-21	2	Nut-HF
12	37-8771	4	Bolt-Shoulder
13	115-2469	1	Decal-Danger
14	115-2472	1	Decal
16	106-8717	1	Decal-Service
17	109-2628	1	Cable-Stop, Seat
18	60-1730	1	Pin-Clevis
19	1-806003	1	Pin-Cotter, Hair
20	321-5	1	Screw-HH
21	104-7201	1	Nut-HF



Control Assembly

Ref	Part No.	Qty.	Description
❶1	110-6814	1	RH Handle ASM
❶1:1	108-6187	1	Grip
2	110-6815	1	LH Handle ASM
2:1	108-6187	1	Grip
3	3256-24	4	Washer-Flat
4	323-6	4	Screw-HH
5	112-4004	2	Screw-Shoulder
6	110-6828	2	Activator Arm ASM
6:2	105-3455	2	Bushing
7	110-6810	2	Stud-Damper
8	103-2913	2	Damper-Control, Motion
9	3296-42	6	Nut-Lock, NI
10	46-8560	2	Screw-HHF
11	3296-48	2	Nut-Lock, NI
12	3256-22	4	Washer-Flat
13	32128-23	2	Nut-HF
14	3256-5	2	Washer-Flat
15	110-6693	2	Link-Hydro
16	1-303105	2	Yoke-Adjustable
17	1-808280	2	Pin-Clevis
18	1-806003	2	Pin-Cotter, Hair
19	3220-2	2	Nut-Jam
20	110-6845	2	Gear-Control
21	110-6783-03	1	Arm-Actuator, LH

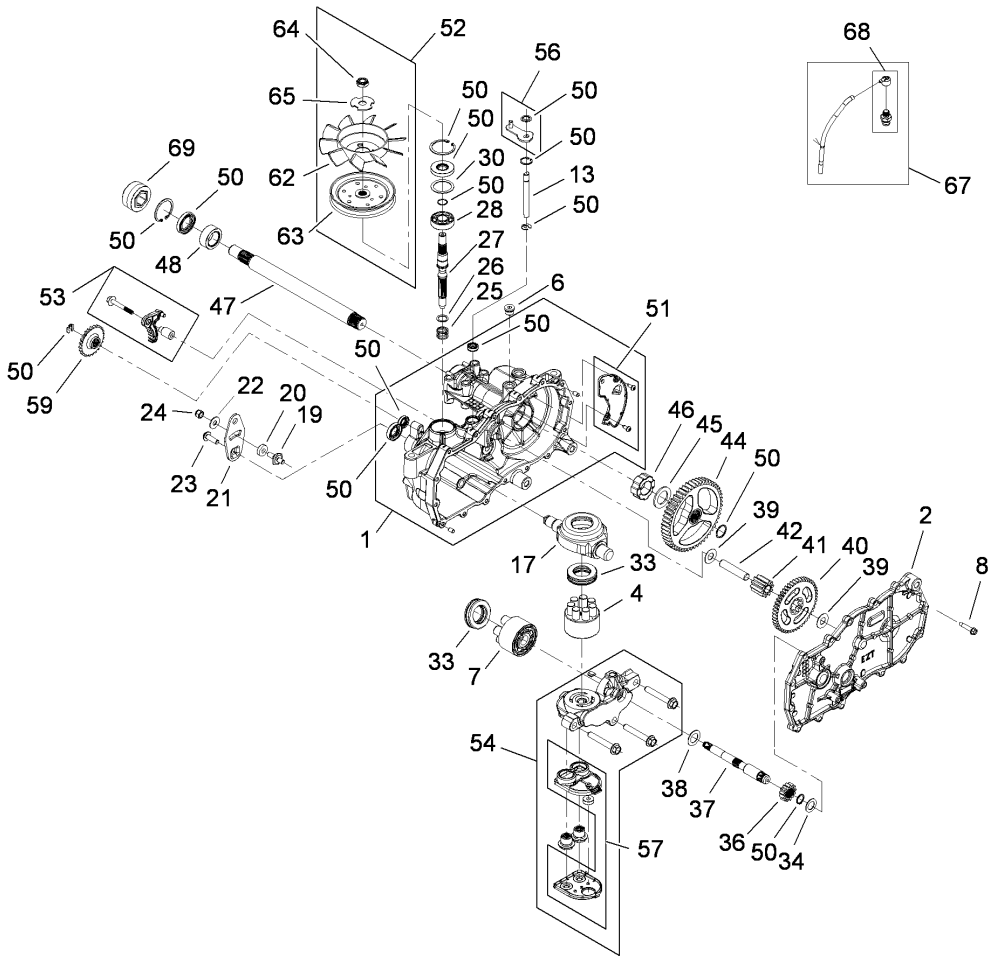
Ref	Part No.	Qty.	Description
❶22	110-6782-03	1	Arm-Actuator, RH
23	110-6856	2	Tab-Stop
24	110-6873	2	Eccentric
25	110-6874	2	Screw-Eccentric
26	110-6875	2	Bolt-Shoulder
27	110-6858	2	Cable-Brake, Parking
28	110-6751	2	Bracket-Return
29	110-6750	2	Plate-Return
30	110-6752	2	Spring
31	110-6894	8	Washer-Pivot
32	3290-221	2	Washer-Spring
33	94-7582	2	Bolt-Shoulder
34	110-0863	2	Screw-Torx
35	110-6784	2	Bolt-Shoulder
36	112-9750	1	Decal-Control Lever, LH
37	112-9751	1	Decal-Control Lever, RH
38	37-8771	2	Bolt-Shoulder
39	104-8300	2	Nut-Flange, NI
40	112-9771	2	Washer-Teflon



Hydro Drive Assembly

Ref	Part No.	Qty.	Description
1	110-6771	1	Hydro-RH
2	110-6770	1	Hydro-LH
3	322-4	2	Screw-HH
4	322-11	2	Screw-HH
5	3230-9	4	Screw-CARR
6	104-8300	17	Nut-Flange, NI
7	322-6	1	Screw-HH
8	322-7	1	Screw-HH
9	110-6677	2	Clip-Spring
10	110-6774	1	V-Belt
11	63-1590	1	Spring-Idler
12	110-6775	2	Pulley-Idler
13	5-4460	3	Washer-Pivot
14	110-1925	1	Arm-Idler
15	37-8771	1	Bolt-Shoulder
16	115-2485	2	Wheel And Tire ASM
❷16:2		2	Rim-Wheel
16:3	232-27	2	Stem-Valve
❶16:4	232-37	1	Tube
17	242-50	8	Nut-Lug
18	110-6807	1	Shaft-Cross
19	110-1926	1	Plate-Pivot
20	110-6806-03	2	Strap-Torque
21	110-6878-03	2	Support-Hydro

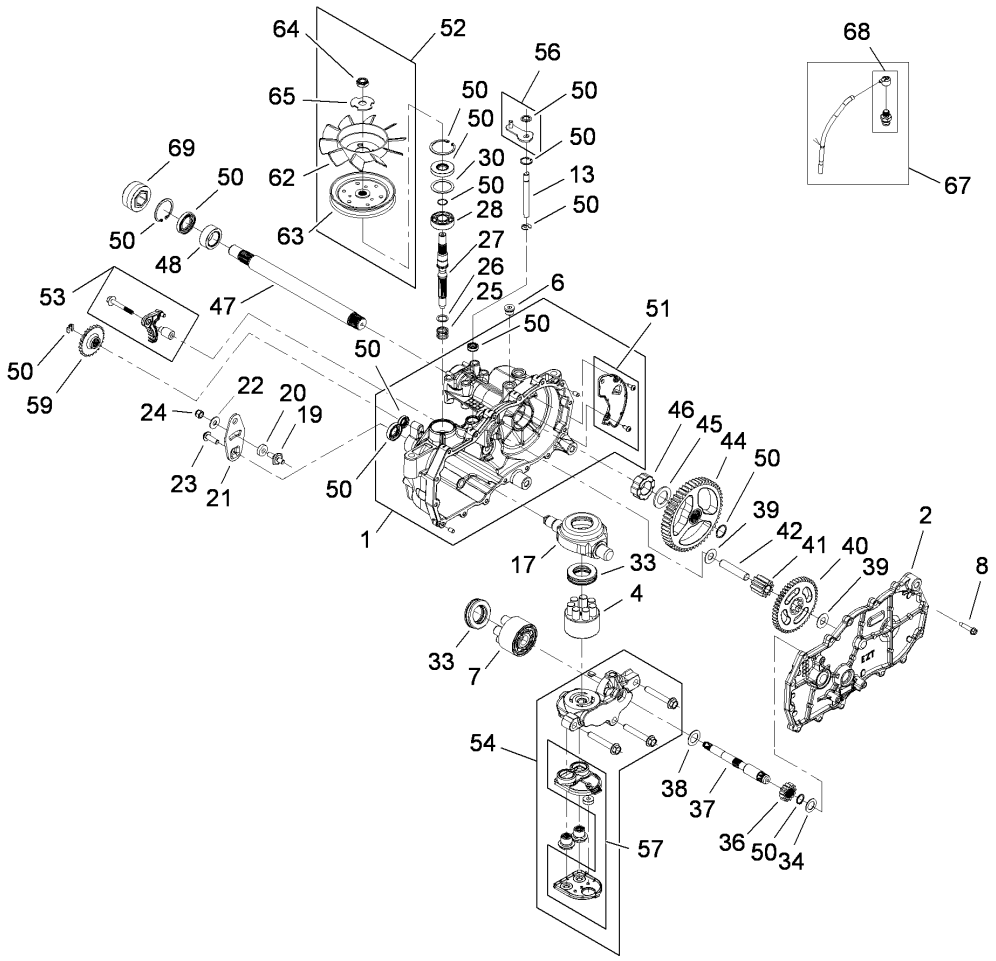
Ref	Part No.	Qty.	Description
22	110-6787	2	Rod-Bypass
23	1-806003	2	Pin-Cotter, Hair
24	3256-22	2	Washer-Flat
25	324-8	4	Screw-HH
26	3296-48	2	Nut-Lock, NI
27	112-3979	2	Hub ASM
28	112-3982	2	Nut-Lock
29	114-8532	1	Decal-Transport, LH
❶30	114-8531	1	Decal-Transport, RH
31	3234-47	8	Screw-HHF



RH Hydro Assembly No. 110-6771

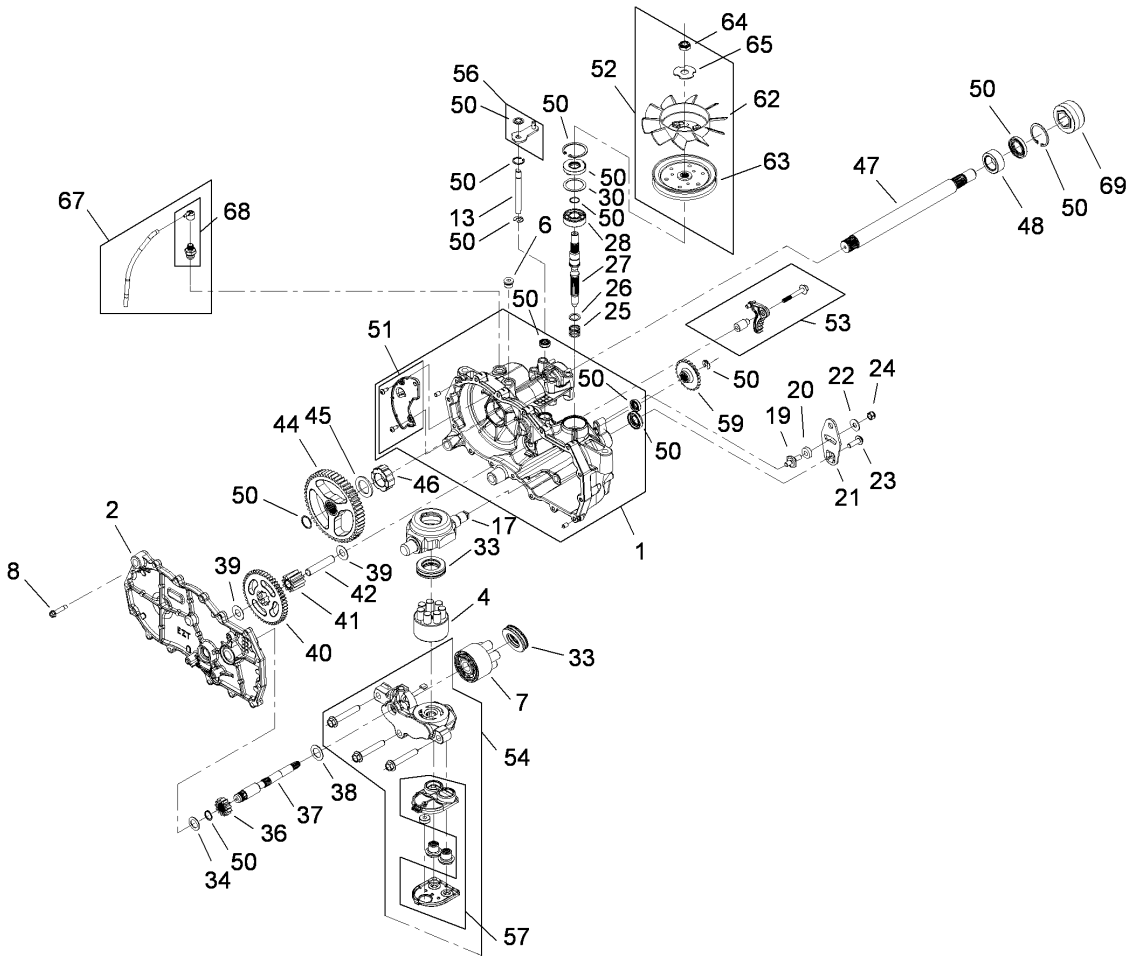
Ref	Part No.	Qty.	Description
1	114-1630	1	RH Main Housing ASM
2	114-1631	1	RH Side ASM
4	110-8561	1	Pump Block ASM
6	112-9850	1	Plug
7	103-2666	1	Cylinder Block Kit
8	104-5305	16	Screw-HHF
13	106-8678	1	Rod-Bypass
17	104-5304	1	Swashplate-Trunnion
19	104-2116	1	Stud
20	112-9853	1	Puck-Friction
21	106-8747	1	Arm-Control
22	5-4460	1	Washer-Pivot
23	107-2488	1	Screw
24	105-1872	1	Nut
25	94-1936	1	Spring-Block
26	94-1937	1	Washer-Thrust, Block
27	104-5306	1	Shaft-Input
28	104-5311	1	Bearing-Ball
30	104-5308	1	Spacer
33	94-6922	2	Bearing-Thrust
34	104-5339	1	Washer-Flat
36	104-5316	1	Gear-Pinnion, 13T
37	114-1632	1	Shaft-Motor
38	104-5360	1	Washer-Shaft, Motor

Ref	Part No.	Qty.	Description
39	94-1933	2	Washer
40	104-5317	1	Gear
41	104-5318	1	Gear-Jackshaft, 10T
42	104-5329	1	Pin-Jackshaft
44	112-9855	1	Gear-52T, Bull
45	112-9856	1	Washer
46	112-9857	1	Bearing-Sleeve
47	112-9858	1	Shaft-Axle
48	112-9859	1	Bushing-Axle
50	106-8686	1	Seal Kit
51	106-8697	1	RH Expansion Plate Kit
52	106-8698	1	Fan Pulley Kit
53	114-1633	1	Brake Arm Kit
54	112-9861	1	RH Center Section Filter Kit
❶55	104-2147	1	Sealant
56	107-2489	1	Bypass Arm Kit
57	114-1634	1	Filter Kit
59	106-8694	1	Disc-Brake, Cog
62	110-8566	1	Fan-6 Inch, 10 Blade
63	104-1754	1	Pulley
64	105-1875	1	Nut-Lock
65	107-9122	1	Washer-Slotted
67	112-9866	1	Breather Kit
68	114-1635	1	Breather ASM



RH Hydro Assembly No. 110-6771 (continued)

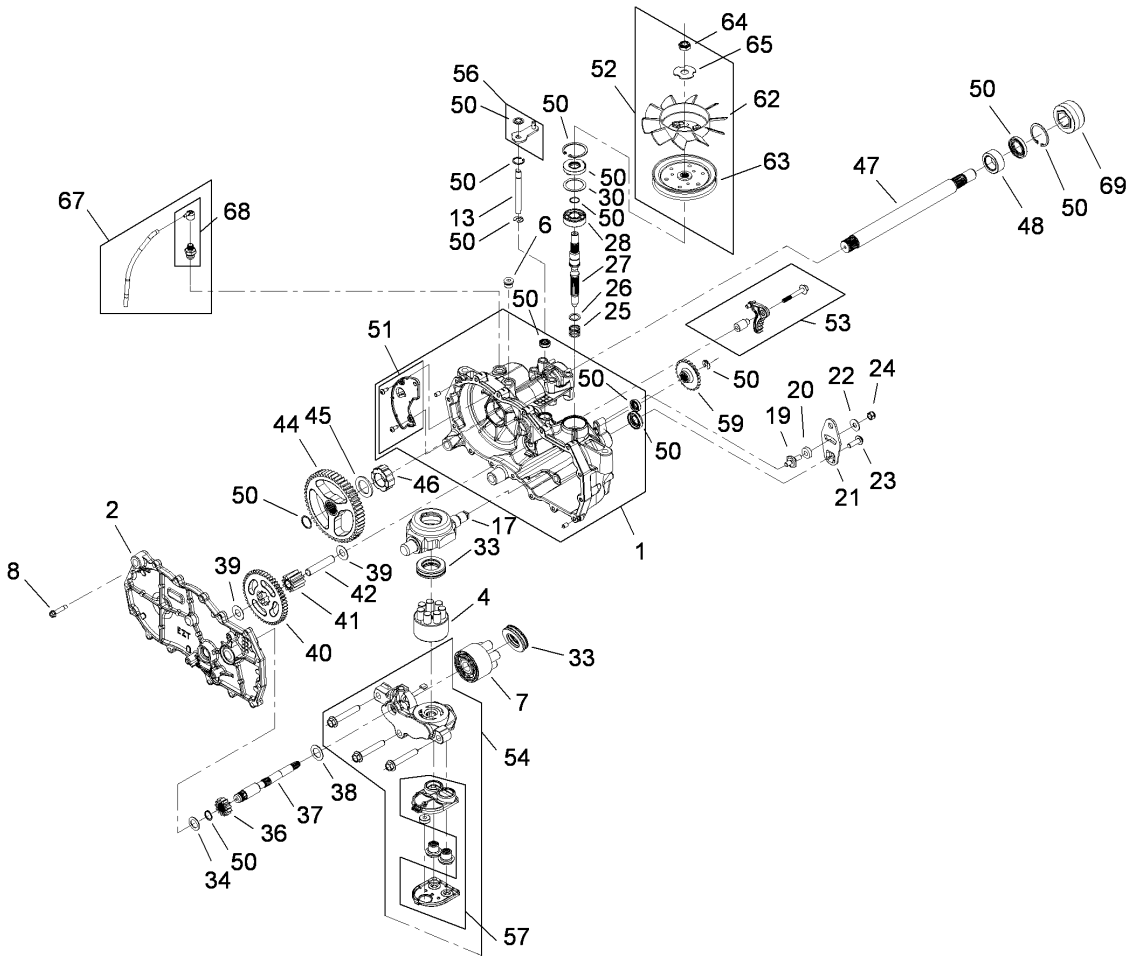
Ref	Part No.	Qty.	Description
69	115-5057	1	Cover-Nut, Axle



LH Hydro Assembly No. 110-6770

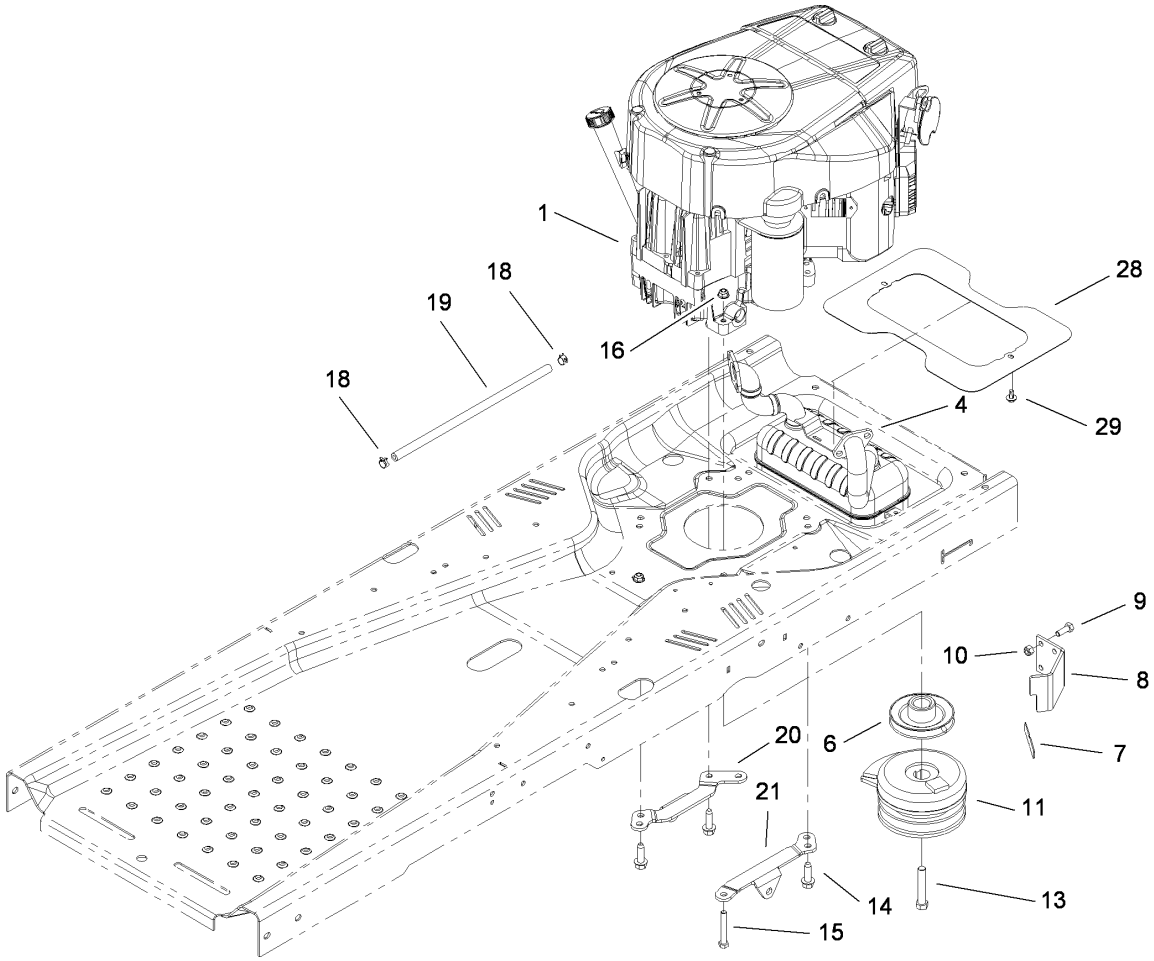
Ref	Part No.	Qty.	Description
1	114-1636	1	LH Main Housing ASM
2	114-1637	1	LH Side ASM
4	110-8561	1	Pump Block ASM
6	112-9850	1	Plug
7	103-2666	1	Cylinder Block Kit
8	104-5305	16	Screw-HHF
13	106-8678	1	Rod-Bypass
17	104-5304	1	Swashplate-Trunnion
19	104-2116	1	Stud
20	112-9853	1	Puck-Friction
21	106-8747	1	Arm-Control
22	5-4460	1	Washer-Pivot
23	107-2488	1	Screw
24	105-1872	1	Nut
25	94-1936	1	Spring-Block
26	94-1937	1	Washer-Thrust, Block
27	104-5306	1	Shaft-Input
28	104-5311	1	Bearing-Ball
30	104-5308	1	Spacer
33	94-6922	2	Bearing-Thrust
34	104-5339	1	Washer-Flat
36	104-5316	1	Gear-Pinnion, 13T
37	114-1632	1	Shaft-Motor
38	104-5360	1	Washer-Shaft, Motor

Ref	Part No.	Qty.	Description
39	94-1933	2	Washer
40	104-5317	1	Gear
41	104-5318	1	Gear-Jackshaft, 10T
42	104-5329	1	Pin-Jackshaft
44	112-9855	1	Gear-52T, Bull
45	112-9856	1	Washer
46	112-9857	1	Bearing-Sleeve
47	112-9858	1	Shaft-Axle
48	112-9859	1	Bushing-Axle
50	106-8686	1	Seal Kit
51	106-8687	1	LH Expansion Plate Kit
52	106-8698	1	Fan Pulley Kit
53	114-1633	1	Brake Arm Kit
54	112-9862	1	LH Center Section Filter Kit
❶55	104-2147	1	Sealant
56	107-2489	1	Bypass Arm Kit
57	114-1634	1	Filter Kit
59	106-8694	1	Disc-Brake, Cog
62	110-8566	1	Fan-6 Inch, 10 Blade
63	104-1754	1	Pulley
64	105-1875	1	Nut-Lock
65	107-9122	1	Washer-Slotted
67	112-9866	1	Breather Kit
68	114-1635	1	Breather ASM



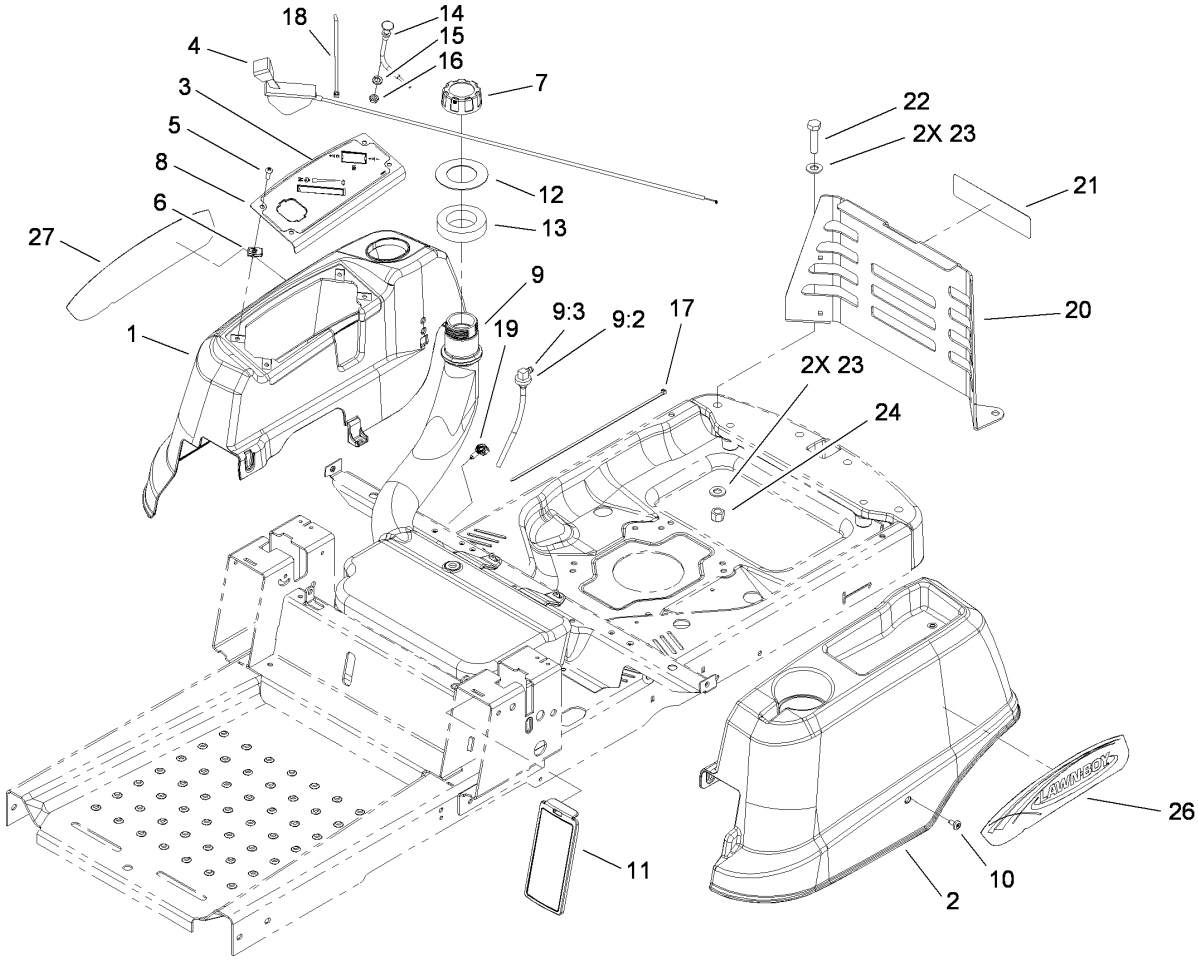
LH Hydro Assembly No. 110-6770 (continued)

Ref	Part No.	Qty.	Description
69	115-5057	1	Cover-Nut, Axle



Engine and Clutch Assembly

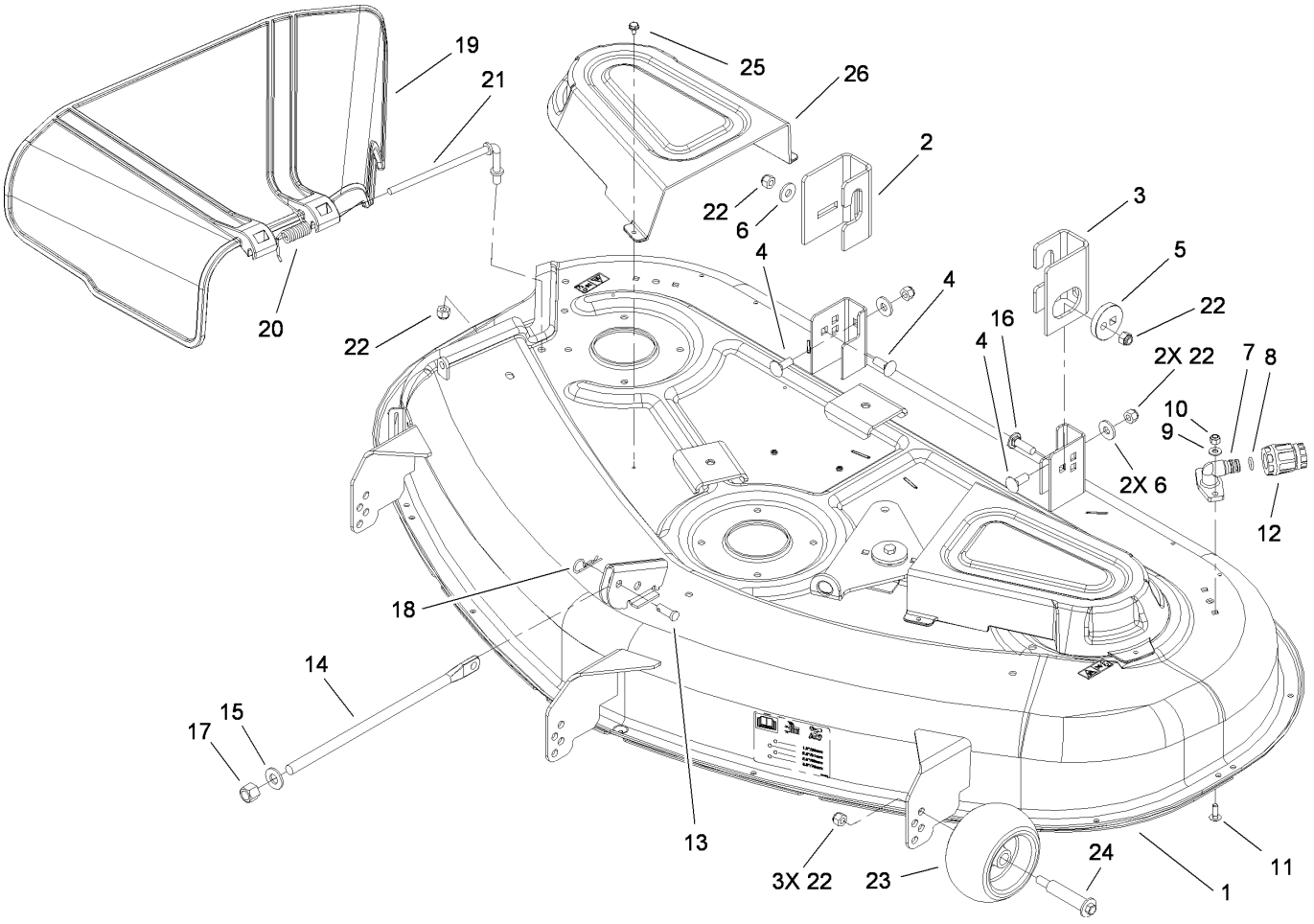
Ref	Part No.	Qty.	Description
❷❸1		1	Engine-Kawasaki, FH641V-As31
4	112-4023	1	Muffler-Kawasaki Twin
6	114-1622	1	Pulley-Engine
7	112-4033	1	Bumper
8	110-6896	1	Stop-Clutch
9	322-4	2	Screw-HH
10	3296-29	2	Nut-Lock, NI
11	110-6766	1	Clutch-Electric, PTO
13	3212-11	1	Screw-HH
14	32144-109	3	Screw
15	322-9	1	Screw-HH
16	104-8300	1	Nut-Flange, NI
18	2412-98	2	Clamp
19	112-9836	1	Hose-Fuel
20	110-6798	1	Support-Hydro, RH
21	110-6799	1	Support-Hydro, LH
28	114-8544	1	Shield-Heat
29	46-8560	2	Screw-HHF



Styling and Fuel System Assembly

Ref	Part No.	Qty.	Description
1	112-9773	1	Pod-RH
2	112-9772	1	Pod-LH
3	115-2501	1	Decal
4	112-9752	1	Cable-Throttle
5	3258-166	4	Screw-PRH
6	107069	4	Clip
7	93-7198	1	Gas Cap ASM
8	110-1927-03	1	Panel-Control
9	110-6890	1	Fuel Tank ASM
9:2	46-6560	1	Bushing
9:3	95-3970	1	Fitting-90 Degree
10	112-4004	6	Screw-Shoulder
11	110-6786	2	Cover-Control
12	112-9760	1	Washer-Rubber
13	55-9310	1	Seal-Foam
14	112-9753	1	Cable-Choke
15	3253-21	1	Washer-Lock
16	3220-3	1	Nut-HJ
17	100-9064	1	Tie-Cable
18	614249	1	Strap-Tie
19	32180-037	1	Clip-Harness
20	110-6685-03	1	Support-Cover, Rear
21	114-8505	1	Decal
22	325-8	2	Screw-HH

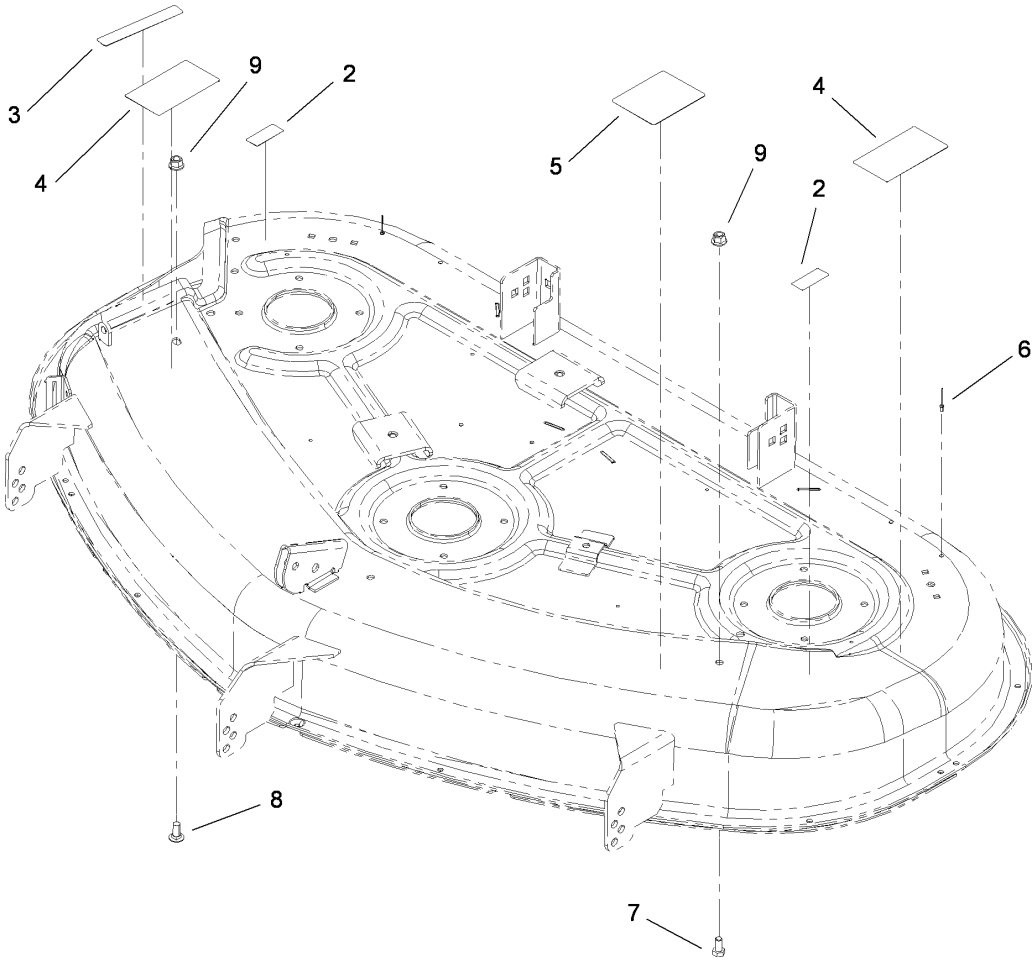
Ref	Part No.	Qty.	Description
23	3256-26	4	Washer-Flat
24	3296-23	2	Nut-Lock, NI
26	115-2486	1	Decal-Pod, RH
27	115-2487	1	Decal-Pod, LH



50 Inch Deck Assembly

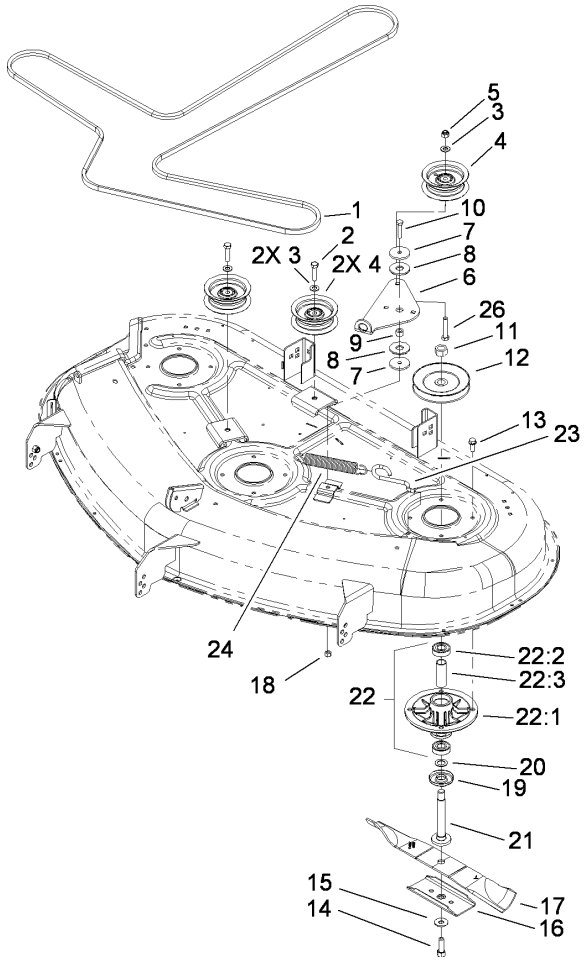
Ref	Part No.	Qty.	Description
1	115-2475	1	50 Inch Deck ASM
2	108-7836	1	Bracket-Hanger, Right Rear
3	108-7838	1	Bracket-Hanger, Left Rear
4	3231-2	3	Screw-CARR
5	112-3980	1	Eccentric
6	80-6990	3	Washer-Hardened
7	95-2747	2	Fitting-Washout
8	46-6290	2	O-Ring, Seal
9	3256-22	4	Washer-Flat
10	3296-42	4	Nut-Lock, NI
11	3229-1	4	Screw-CARR
12	95-3270	1	Connector-Hose
13	1-808284	1	Pin-Clevis
14	108-7847	1	Rod-Lift
15	87-7270	1	Washer-Thrust
16	3231-28	1	Screw-CARR
17	3296-23	1	Nut-Lock, NI
18	9335054	1	Pin-Hair
19	108-7895	1	Deflector-50 Inch
20	110-6694	1	Spring-Torsion
21	112-3950	1	Rod-Pivot
22	3296-39	8	Nut-Lock, NI
23	1-603299	3	Roller-Scalp, Anti
24	112-3977	3	Bolt-Shoulder

Ref	Part No.	Qty.	Description
25	32104-76	6	Screw
26	108-7890	2	Cover-Belt



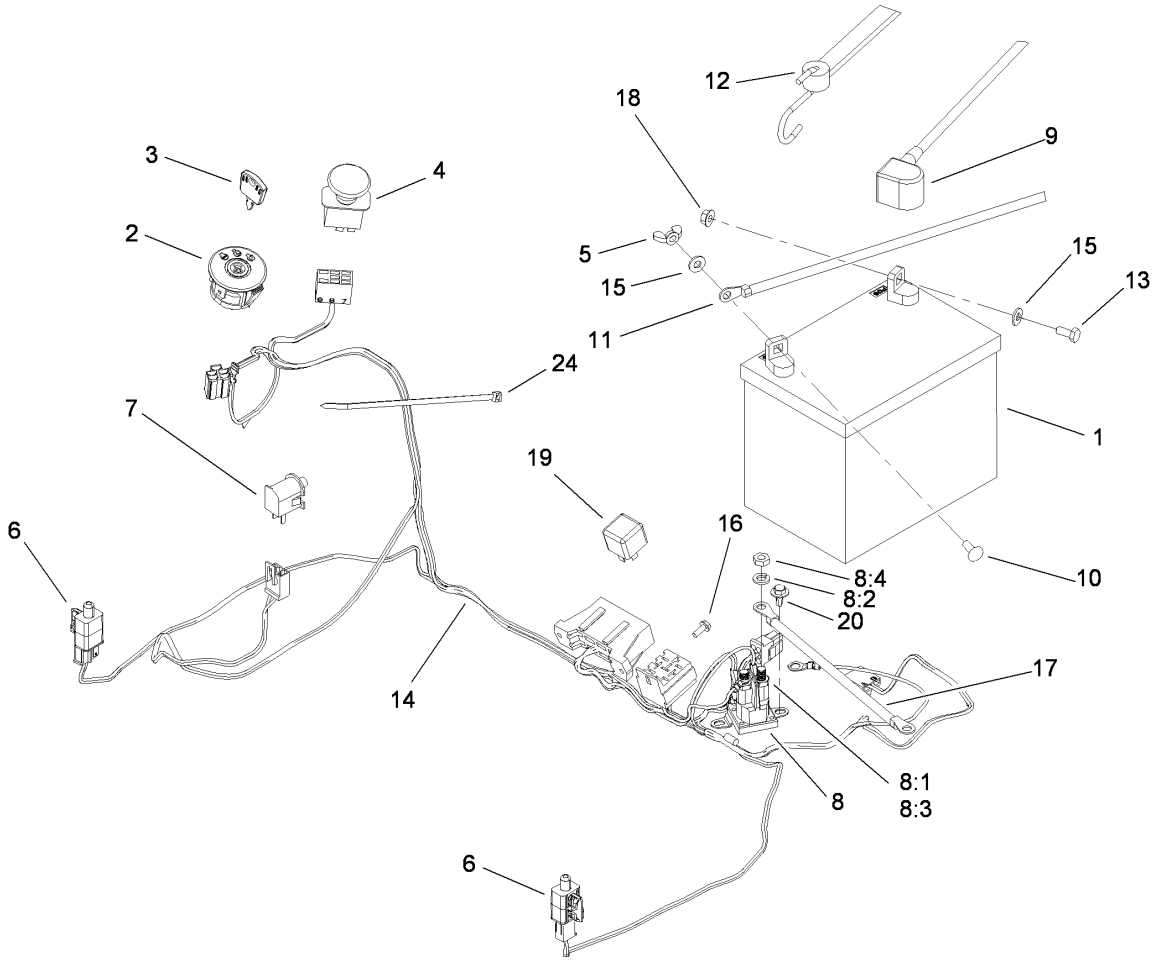
50 Inch Deck Assembly No. 115-2475

Ref	Part No.	Qty.	Description
2	114-1606	2	Decal-Danger, Pulley
3	93-7009	1	Decal-Danger, Deflector
4	110-6691	2	Decal-Danger
5	105-7015	1	Decal-Routing, Belt
6	3290-282	2	Rivet-Blind
7	322-2	1	Screw-HH
8	3230-23	1	Screw-CARR
9	3296-58	2	Nut-Lock, NI



50 Inch Deck Spindle and Belt Drive Assembly

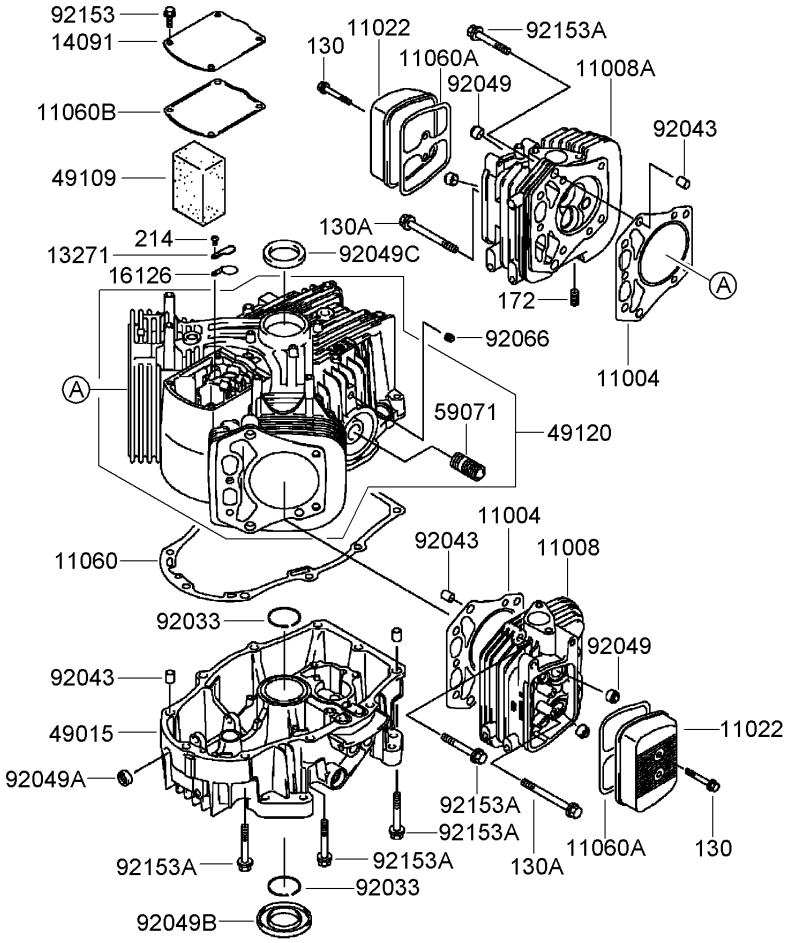
Ref	Part No.	Qty.	Description
1	110-6892	1	V-Belt
2	323-8	2	Screw-HH
3	3256-24	3	Washer-Flat
4	106-2175	3	Pulley-Idler, Flat
5	3296-39	1	Nut-Lock, NI
6	114-8540	1	Arm-Idler
7	115-2455	2	Spacer
8	114-0463	2	Washer-Friction, Composite
9	114-8549	1	Bushing
10	322-7	1	Screw-HH
11	3219-6	3	Nut-Hex
12	110-6865	3	Pulley
13	32144-41	12	Screw-Taptite
14	26-0671	3	Screw-HH
15	3290-465	3	Washer-Belleville
16	106-2248-03	3	Stiffener-Blade
17	110-6837-03	3	Blade-17.5 Inch, High Lift
18	3296-29	1	Nut-Lock, NI
19	80-4360	3	Shield-Bearing
20	80-4380	3	Spacer
21	110-6866	3	Shaft-Spindle
❷22		3	Spindle ASM
22:1	88-4510	1	Housing-Spindle
22:2	100-1048	2	Bearing-Ball
22:3	62-3661	1	Spacer
23	112-3973	1	Hook-Return, Spring
24	1-603414	1	Spring-Extension
26	323-10	1	Screw-HH



Electrical Assembly

Ref	Part No.	Qty.	Description
1	104-2493	1	Battery
2	110-6764	1	Switch-Ignition
3	700918	1	Key
4	93-9998	1	Switch-PTO
5	32103-22	1	Nut-Wing
6	110-6765	2	Switch-Single Pole No
7	82-2190	1	Switch-Bail
8	1-513075	1	Switch-Solenoid
8:1	3253-17	2	Washer-Lock
8:2	3253-4	2	Washer-Lock
8:3	3219-14	2	Nut-Hex
8:4	3220-2	2	Nut-Jam
9	110-6794	1	Cable-Battery, Red
10	3229-1	1	Screw-CARR
11	110-6793	1	Cable-Battery, Black
12	104-2466	1	Holddown-Battery
13	321-3	1	Screw-HH
14	114-8533	1	Harness-Wire
15	3256-22	2	Washer-Flat
16	32144-1	3	Screw-Taptite
17	110-6792	1	Cable-Battery, Red
18	32128-33	2	Nut-HF
19	98-7249	1	Relay
20	46-8560	2	Screw-HHF

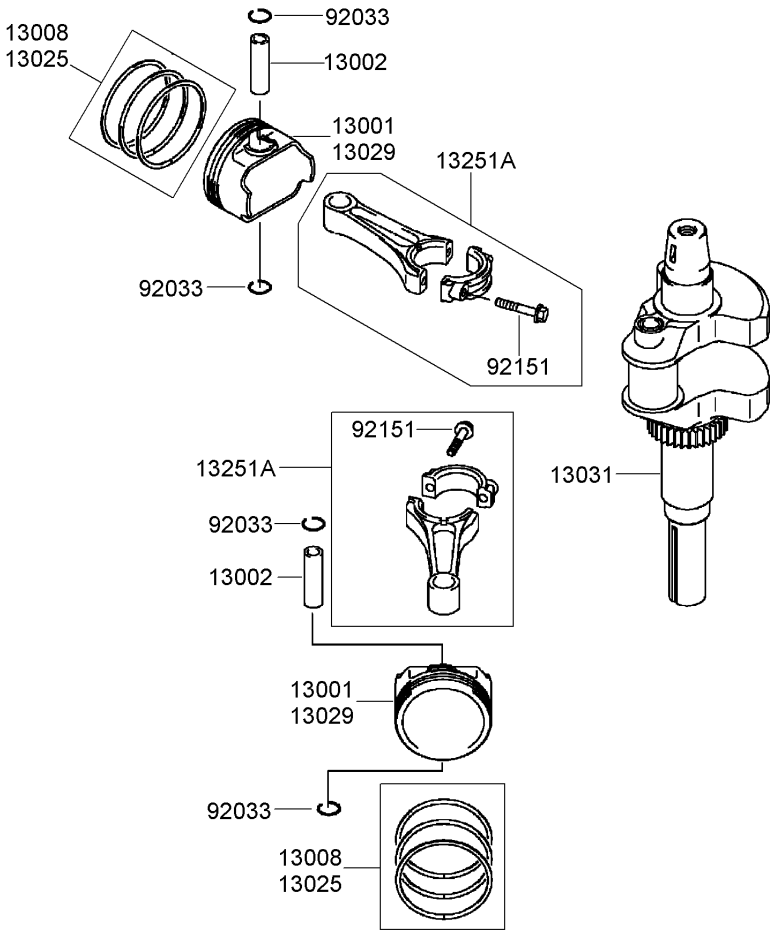
Ref	Part No.	Qty.	Description
❶23	112-9794	1	Harness-Adapter
24	614249	1	Strap-Tie



Cylinder and Crankcase Assembly
Kawasaki FH641V-AS31

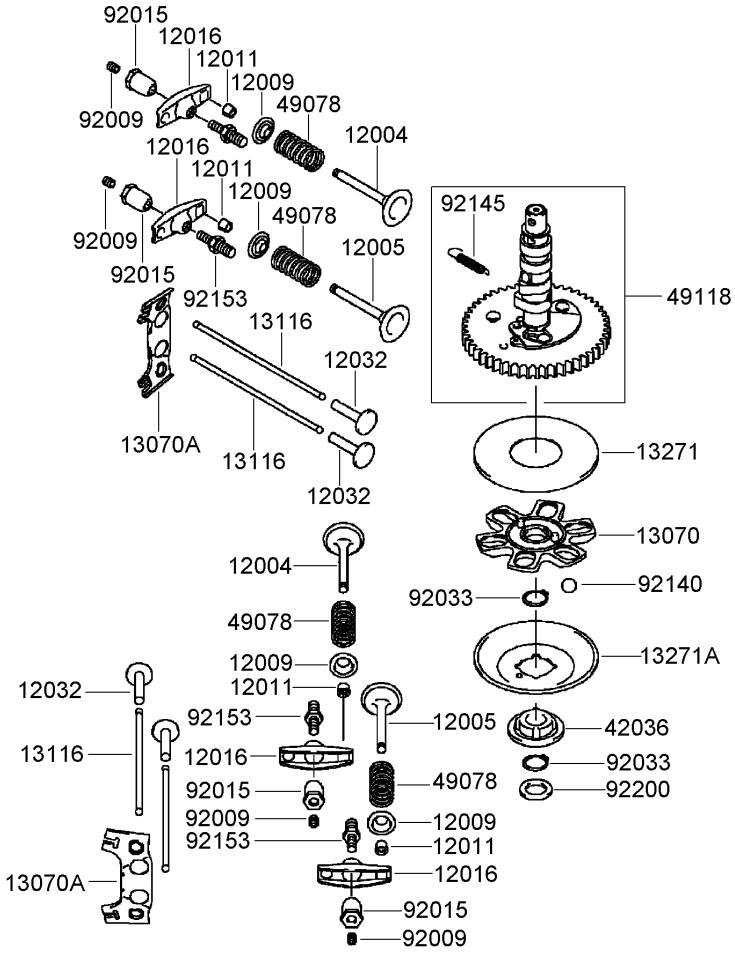
Ref	Part No.	Qty.	Description
❸11004	11004-7006	2	Gasket-Head
❸11008	11008-7023	1	Head-Cylinder, No.2
❸11008A	11008-7024	1	Head-Cylinder, No.1
❸11022	11022-7002	2	Case-Rocker
❸11060	11060-7012	1	Gasket-Cover, Crankcase
❸11060A	11060-7013	2	Gasket-Case, Rocker
❸11060B	11060-7014	1	Gasket-Breather
❸13271	13271-7006	1	Plate
❸14091	14091-7004	1	Cover
❸16126	16126-7001	1	Valve
❸49015	49015-7064	1	Cover-Crankcase
❸49109	49109-7003	1	Element-Breather
❸49120	49120-7092	1	Crankcase
❸59071	59071-2079	1	Joint
❸92033	92033-7004	2	Ring-Snap
❸92043	92043-7001	6	Pin
❸92049	92049-7001	4	Seal-Oil, R V C2 (6X11X10.2)
❸92049A	92049-7005	1	Seal-Oil, S O (8X14X5 H S)
❸92049B	92049-7011	1	Seal-Oil, S D (35X62X8 L H S)
❸92049C	92049-7014	1	Seal-Oil, S D (35X52X7 R H S)
❸92066	92066-7002	1	Plug
❸92153	92153-7043	4	Bolt (6X12)
❸92153A	92153-7054	18	Bolt (8X50)
❸130	130B0640	4	Bolt-Flanged (6X40)

Ref	Part No.	Qty.	Description
❸130A	130CA0875	2	Bolt-Flanged (8X75)
❸172	172G0818	4	Bolt-Stud (8X18)
❸214	214B0408	1	Screw-Pan (4X8)



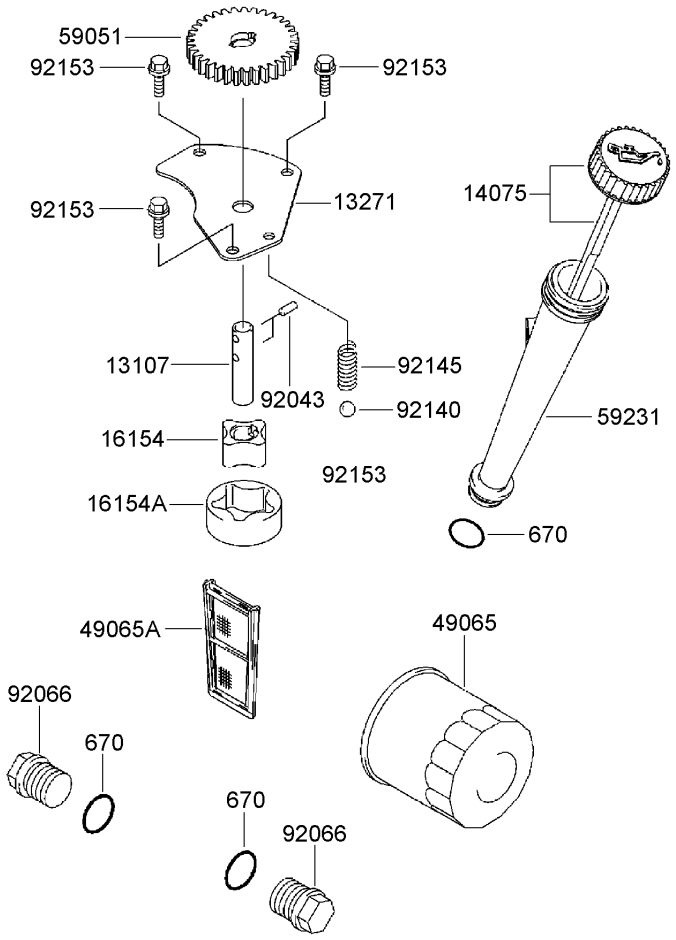
Piston and Crankshaft Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸13001	13001-7007	2	Piston-Engine
❸13002	13002-7001	2	Pin-Piston
❸13008	13008-6058	2	Piston Ring Set
❸13025	13025-7002	1	Piston Ring Set (L, 0.50)
❸13029	13029-7003	1	Piston-Engine (L, 0.50)
❸13031	13031-7048	1	Crankshaft
❸13251A	13251-7016	2	Connecting Rod ASM
❸92033	92033-7002	4	Ring-Snap
❸92151	92151-7017	4	Bolt (6X35)



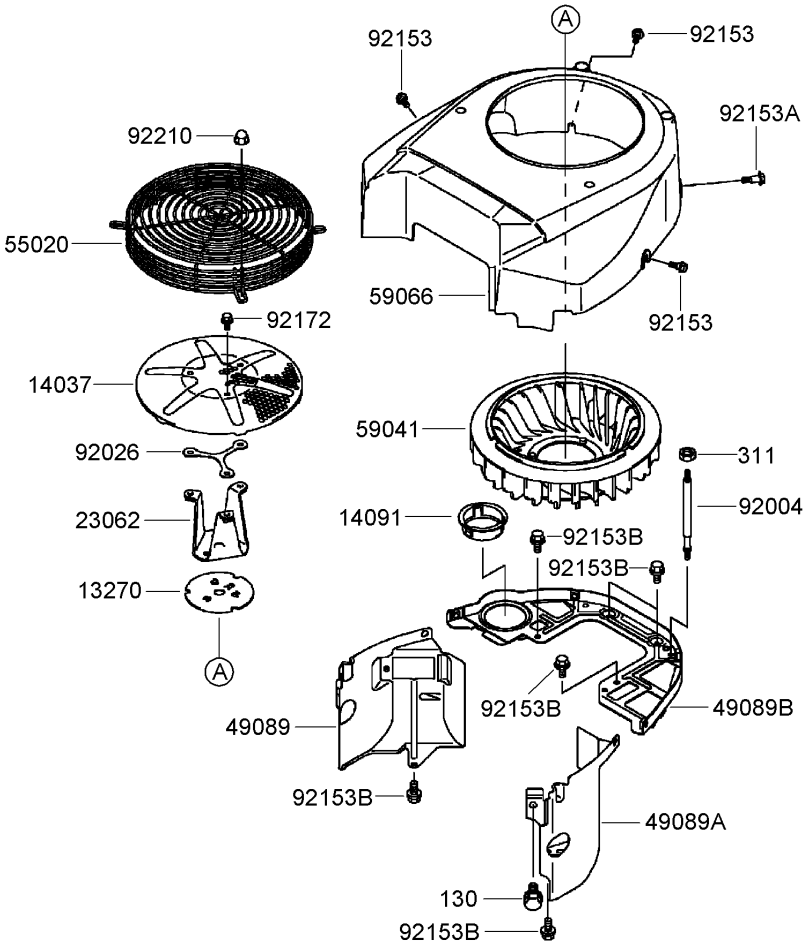
Valve and Camshaft Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸12004	12004-7002	2	Valve-Intake
❸12005	12005-7004	2	Valve-Exhaust
❸12009	12009-7001	4	Retainer-Spring, Valve
❸12011	12011-2056	8	Collet
❸12016	12016-7007	4	Arm-Rocker
❸12032	12032-7001	4	Tappet
❸13070	13070-7004	1	Guide
❸13070A	13070-7007	2	Guide
❸13116	13116-7002	4	Rod-Push
❸13271	13271-7007	1	Plate
❸13271A	13271-7021	1	Plate-Governor
❸42036	42036-7010	1	Sleeve
❸49078	49078-7002	4	Spring-Valve, Engine (Intake)
❸49118	49118-7007	1	Camshaft
❸92009	92009-2341	4	Screw
❸92015	92015-2253	4	Nut
❸92033	92033-7001	2	Ring-Snap
❸92140	92140-7002	6	Ball
❸92145	92145-7001	1	Spring
❸92153	92153-7019	4	Bolt
❸92200	92200-7001	1	Washer



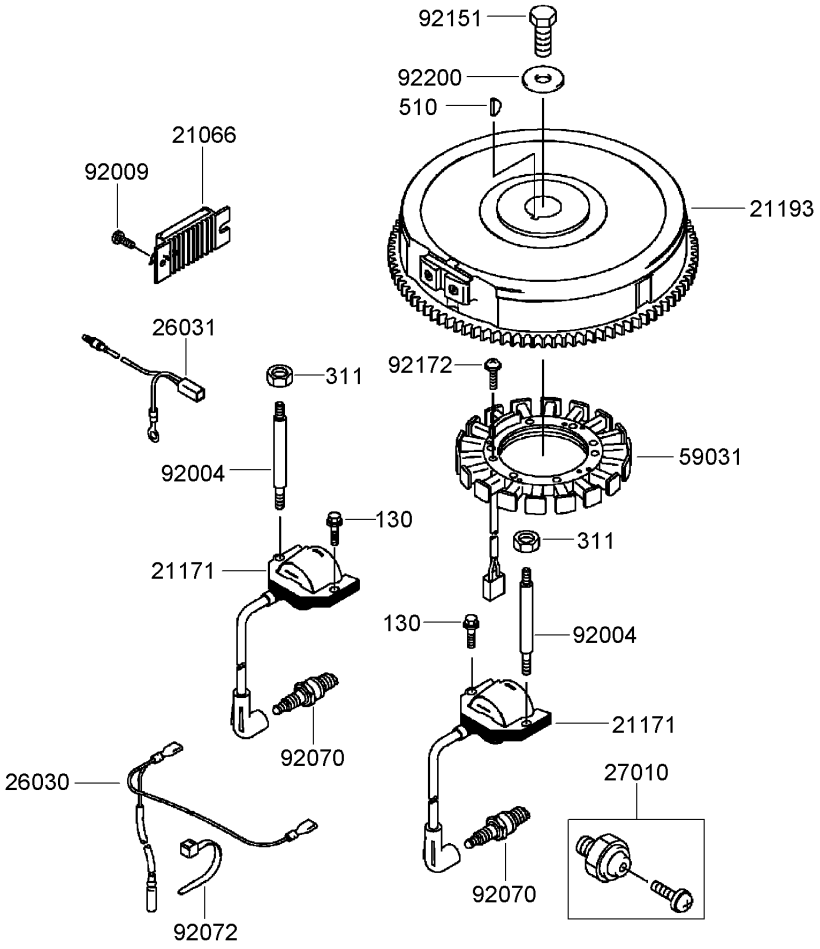
Lubrication Equipment Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸13107	13107-7009	1	Shaft
❸13271	13271-7005	1	Plate
❸14075	14075-7008	1	Cap ASM
❸16154	16154-7007	1	Rotor-Pump (In)
❸16154A	16154-7008	1	Rotor-Pump (Out)
❸49065	49065-2078	1	Filter-Oil
❸49065A	49065-7003	1	Filter-Oil
❸59051	59051-7011	1	Gear-Spur
❸59231	59231-7006	1	Filler
❸92043	92043-7003	2	Pin
❸92066	92066-7003	2	Plug
❸92140	92140-7003	1	Ball
❸92145	92145-7002	1	Spring
❸92153	92153-7043	3	Bolt (6X12)
❸670	670D2016	3	O-Ring (16Mm)



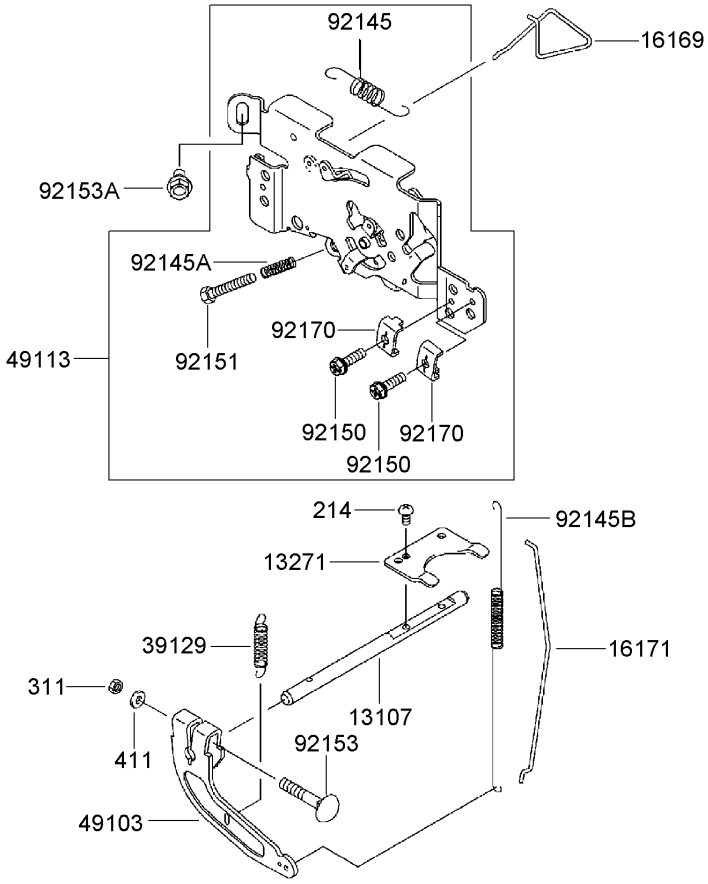
Cooling Equipment Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸13270	13270-7007	1	Plate
❸14037	14037-7008-9H	1	Screen
❸14091	14091-7002	1	Cover
❸23062	23062-7005	1	Bracket
❸49089	49089-7004	1	Shroud-Engine
❸49089A	49089-7005	1	Shroud-Engine
❸49089B	49089-7049	1	Shroud-Engine
❸55020	55020-7007	1	Guard
❸59041	59041-7003	1	Fan
❸59066	59066-7004	1	Housing-Fan
❸92004	92004-7006	2	Stud
❸92026	92026-7007	1	Spacer
❸92153	92153-7007	3	Bolt
❸92153A	92153-7008	1	Bolt
❸92153B	92153-7043	6	Bolt (6X12)
❸92172	92172-7029	3	Screw-Socket (6X12)
❸92210	92210-0003	4	Nut
❸130	130B0816	1	Bolt-Flanged (8X16)
❸311	311B0600	2	Nut-Hex (6Mm)



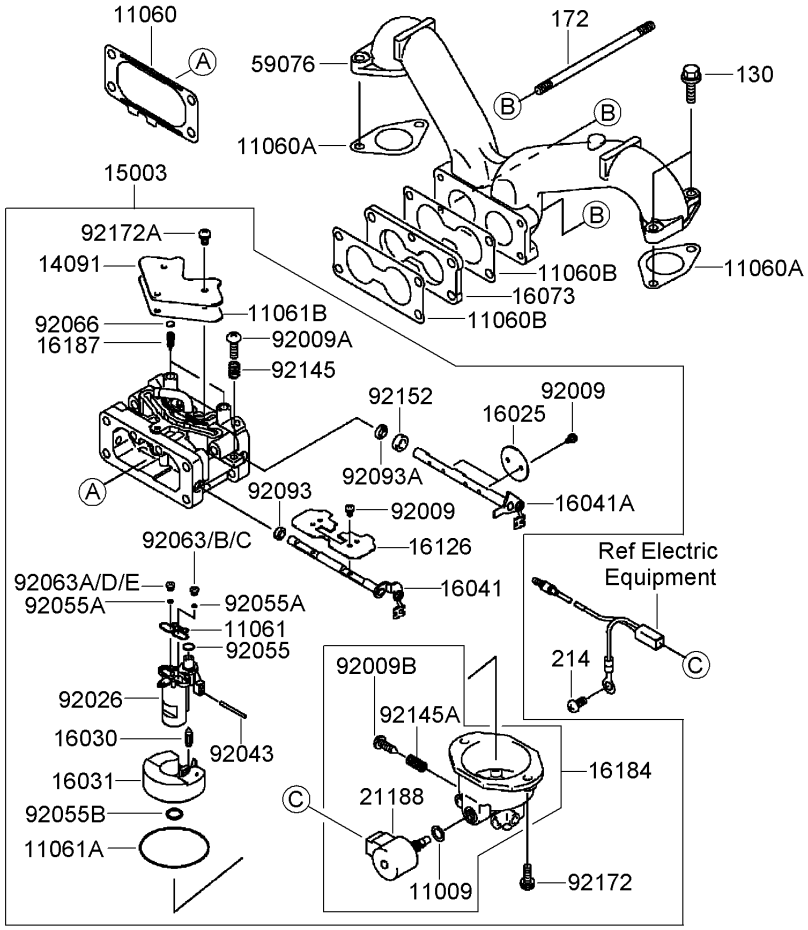
Electric Equipment Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸21066	21066-7011	1	Regulator-Voltage
❸21171	21171-7013	2	Ignition Coil ASM
❸21193	21193-7019	1	Flywheel ASM
❸26030	26030-7002	1	Harness
❸26031	26031-7003	1	Harness
❸27010	27010-2234	1	Switch
❸59031	59031-7009	1	Coil-Charging
❸92004	92004-7009	2	Stud
❸92009	92009-2308	1	Screw
❸92070	92070-7004	2	Sparkplug (B P R4 E S (N G K) Solid)
❸92072	92072-7003	3	Band
❸92151	92151-2097	1	Bolt (12X30)
❸92172	92172-7018	4	Screw (5X20)
❸92200	92200-7002	1	Washer
❸130	130B0620	2	Bolt-Flanged (6X20)
❸311	311B0600	2	Nut-Hex (6Mm)
❸510	510A5100	1	Key-Woodruff



Control Equipment Assembly
Kawasaki FH641V-AS31

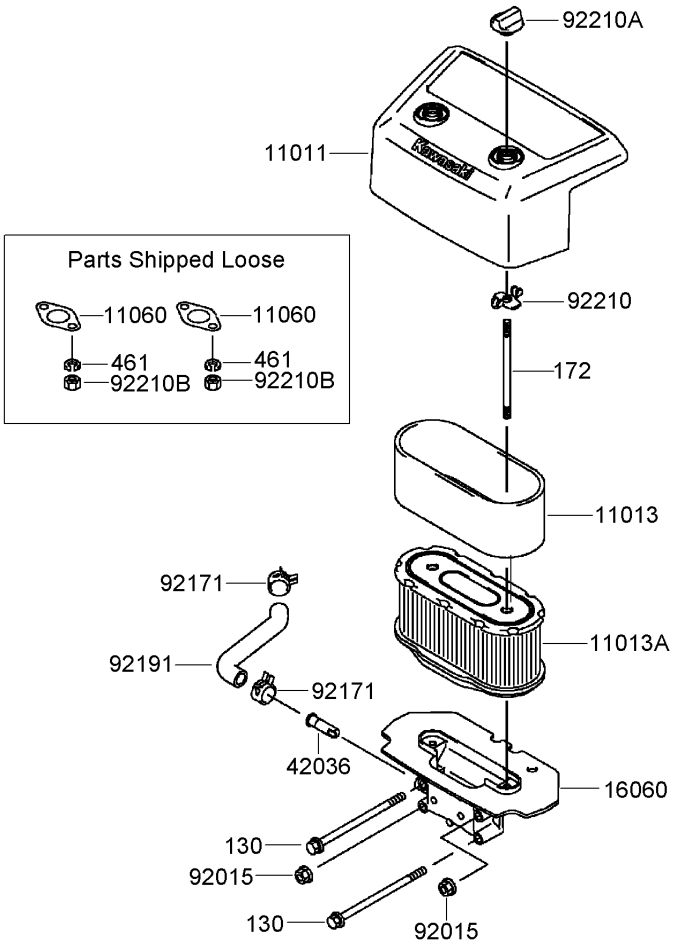
Ref	Part No.	Qty.	Description
❸13107	13107-7013	1	Shaft
❸13271	13271-7032	1	Plate
❸16169	16169-7006	1	Link-Choke
❸16171	16171-7004	1	Link
❸39129	39129-7004	1	Spring-Governor
❸49103	49103-7004	1	Arm-Governor
❸49113	49113-7017	1	Panel-Control
❸92145	92145-7004	1	Spring
❸92145A	92145-7005	1	Spring
❸92145B	92145-7034	1	Spring
❸92150	92150-2182	2	Bolt (5X18)
❸92151	92151-7014	1	Bolt (5X30)
❸92153	92153-7033	1	Bolt (6X35)
❸92153A	92153-7043	2	Bolt (6X12)
❸92170	92170-7001	2	Clamp
❸214	214B0408	2	Screw-Pan (4X8)
❸311	311B0600	1	Nut-Hex (6Mm)
❸411	411B0600	1	Washer-Plain (6Mm)



Carburetor Assembly
Kawasaki FH641V-AS31

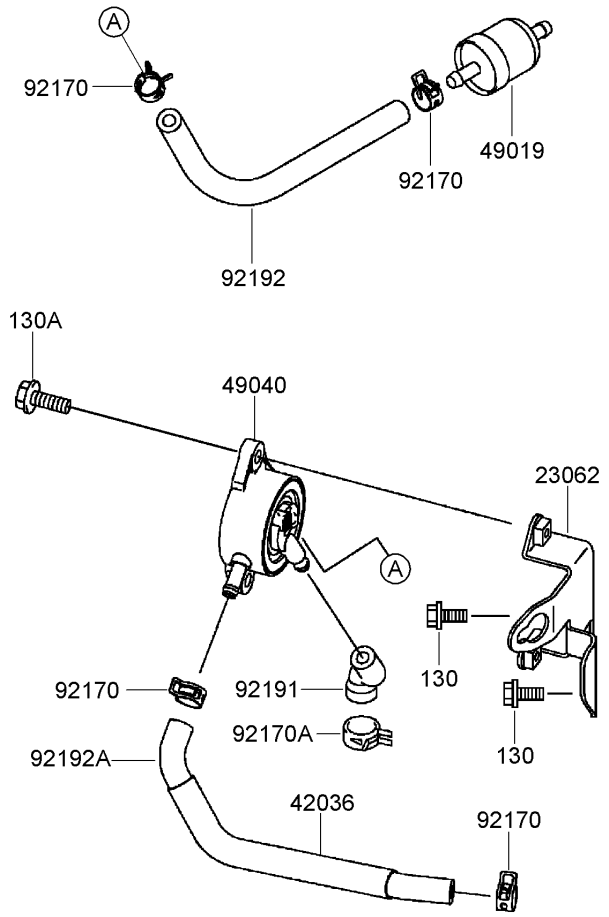
Ref	Part No.	Qty.	Description
❸11009	11009-2056	1	Gasket
❸11060	11060-7009	1	Gasket-Filter, Air
❸11060A	11060-7011	2	Gasket-Manifold
❸11060B	11060-7024	2	Gasket-Carburetor
❸11061	11061-7037	1	Gasket
❸11061A	11061-7038	1	Gasket
❸11061B	11061-7039	1	Gasket
❸14091	14091-7031	1	Cover
❸15003	15003-7115	1	Carburetor ASM
❸16025	16025-7003	2	Valve-Throttle
❸16030	16030-7004	1	Valve-Float
❸16031	16031-7003	1	Float
❸16041	16041-7021	1	Shaft-Carburetor
❸16041A	16041-7023	1	Shaft-Carburetor
❸16073	16073-7005	1	Insulator
❸16126	16126-7015	1	Valve
❸16184	16184-7017	1	Chamber Float ASM
❸16187	16187-7002	2	Needle-Jet
❸21188	21188-7003	1	Solenoid
❸59076	59076-7002	1	Manifold-Intake
❸92009	92009-7003	6	Screw
❸92009A	92009-7004	1	Screw
❸92009B	92009-7006	1	Screw-Drain
❸92026	92026-7011	1	Spacer

Ref	Part No.	Qty.	Description
❸92043	92043-7014	1	Pin
❸92055	92055-7012	1	O-Ring
❸92055A	92055-7013	2	O-Ring
❸92055B	92055-7016	1	O-Ring
❸92063	92063-7051	1	Jet-Main, No.104
❸92063A	92063-7056	1	Jet-Main, No.102
❸92063B	92063-7075	1	Jet-Main, No.101 (3280 Ft)
❸92063C	92063-7076	1	Jet-Main, No.098 (6560 Ft)
❸92063D	92063-7079	1	Jet-Main, No.099 (3280)
❸92063E	92063-7080	1	Jet-Main, No.096 (6560)
❸92066	92066-7009	2	Plug-Expansion
❸92093	92093-7001	1	Seal (I D 5.9)
❸92093A	92093-7002	1	Seal (I D 6.9)
❸92145	92145-7010	1	Spring
❸92145A	92145-7011	1	Spring
❸92152	92152-7005	1	Collar
❸92172	92172-7005	2	Screw (M5)
❸92172A	92172-7006	3	Screw (M4)
❸130	130B0620	4	Bolt-Flanged (6X20)
❸172	172G06105	2	Bolt-Stud (6X10.5)
❸214	214B0510	1	Screw-Pan (5X10)



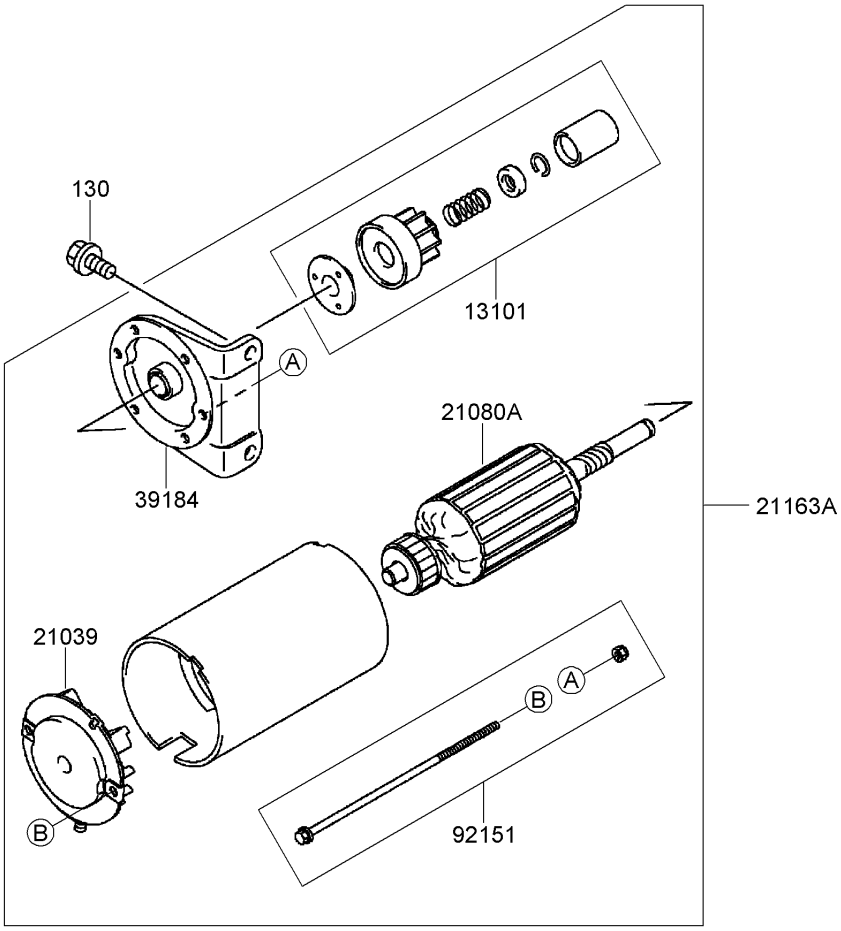
Air Filter and Muffler Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸11011	11011-7042	1	Case-Air Filter
❸11013	11013-7009	1	Element-Filter, Air
❸11013A	11013-7027	1	Element-Filter, Air
❸11060	11060-7016	2	Gasket-Muffler
❸16060	16060-7001	1	Pipe-Intake
❸42036	42036-7002	1	Sleeve
❸92015	92015-1193	2	Nut
❸92171	92171-7013	2	Clamp
❸92191	92191-7006	1	Tube
❸92210	92210-7004	2	Nut (M6)
❸92210A	92210-7019	2	Nut
❸92210B	92210-7027	4	Nut (M8)
❸130	130B06105	2	Bolt-Flanged (6X10.5)
❸172	172G0690	2	Bolt-Stud (6X90)
❸461	461F0800	4	Washer-Spring (8Mm)



Fuel Tank and Valve Assembly
Kawasaki FH641V-AS31

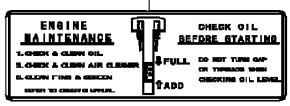
Ref	Part No.	Qty.	Description
❸23062	23062-7004-9H	1	Bracket
❸42036	42036-7008	1	Sleeve
❸49019	49019-7001	1	Filter-Fuel
❸49040	49040-7001	1	Pump-Fuel
❸92170	92170-2088	4	Clamp
❸92170A	92170-7003	1	Clamp
❸92191	92191-7027	1	Tube
❸92192	92192-7037	1	Tube (6.35X12.7X160)
❸92192A	92192-7039	1	Tube (6.35X12.7X200)
❸130	130B0616	2	Bolt-Flanged (6X16)
❸130A	130B0620	2	Bolt-Flanged (6X20)



Starter Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸13101	13101-7003	1	Gear ASM
❸21039	21039-7004	1	Brush
❸21080A	21080-7005	1	Armature
❸21163A	21163-7022	1	Starter-Electric
❸39184	39184-7004	1	Bracket ASM
❸92151	92151-7013	1	Bolt
❸130	130B0816	2	Bolt-Flanged (8X16)

56033



56070



56080



Label Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
❸56033	56033-7003	1	Label-Manual
❸56070	56070-7001	1	Label-Warning
❸56080	56080-7008	1	Label-Brand

Attachments and Accessories

For 81271 - Precision Z3500 HLX Riding Mower

Product Name	Model/Part
50 Inch Mulching Kit	110-6744
Hour Meter Kit	112-9763
Deck Ring Kit	114-1608
Striping Kit	114-8545
Replacement Blade Kit	79221
Engine Cover Kit	79314
Floor Mat Kit	79315
Rear Hitch Kit	79318
Sunshade	79319
42 Inch and 50 Inch Twin Bagger	79324

NOTES


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