



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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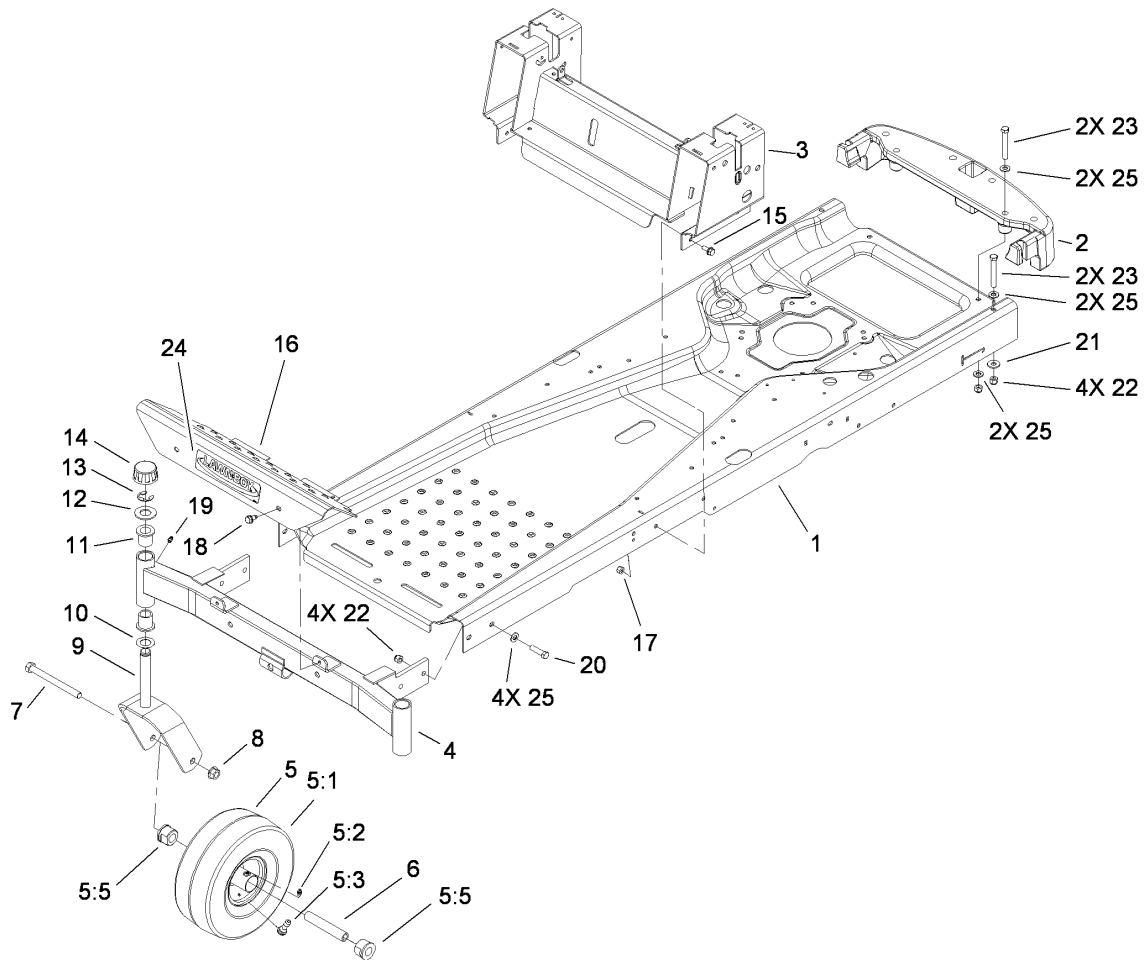
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. as required	HWHTF. hex washer head thread forming
ASM. assembly	HYD. hydraulic
BBC. blade brake clutch	LH. left hand
CARR. carriage	NI. nylon insert
CCW. counter clock wise	NPTF. national pipe thread fine
CW. clockwise	PFH. phillips flat head
DEG. degrees	PPH. phillips pan head
ECM. electronic control module	PPHTF. phillips pan head thread forming
EXT. external	PRH. phillips round head
FH. flat head	PTH. phillips truss head
GA. gauge	PTO. power-take-off
HD. heavy-duty	RH. right hand
HF. hex flange	ROPS. roll-over protection system
HH. hex head	SFH. slotted fillister head
HHF. hex head flange	SHH. slotted hex head
HHFTF. hex head flange thread forming	SHWH. slotted hex washer head
HJ. hex jam	SPH. slotted pan head
HLH. hex lag head	SQH. square head
HOC. height-of-cut	SRH. slotted round head
HSBH. hex socket button head	STD. standard
HSFH. hex socket flat head	TAP. self tapping
HSH. hex socket head	TTH. torx truss head
HWH. hex washer head	

Footnotes

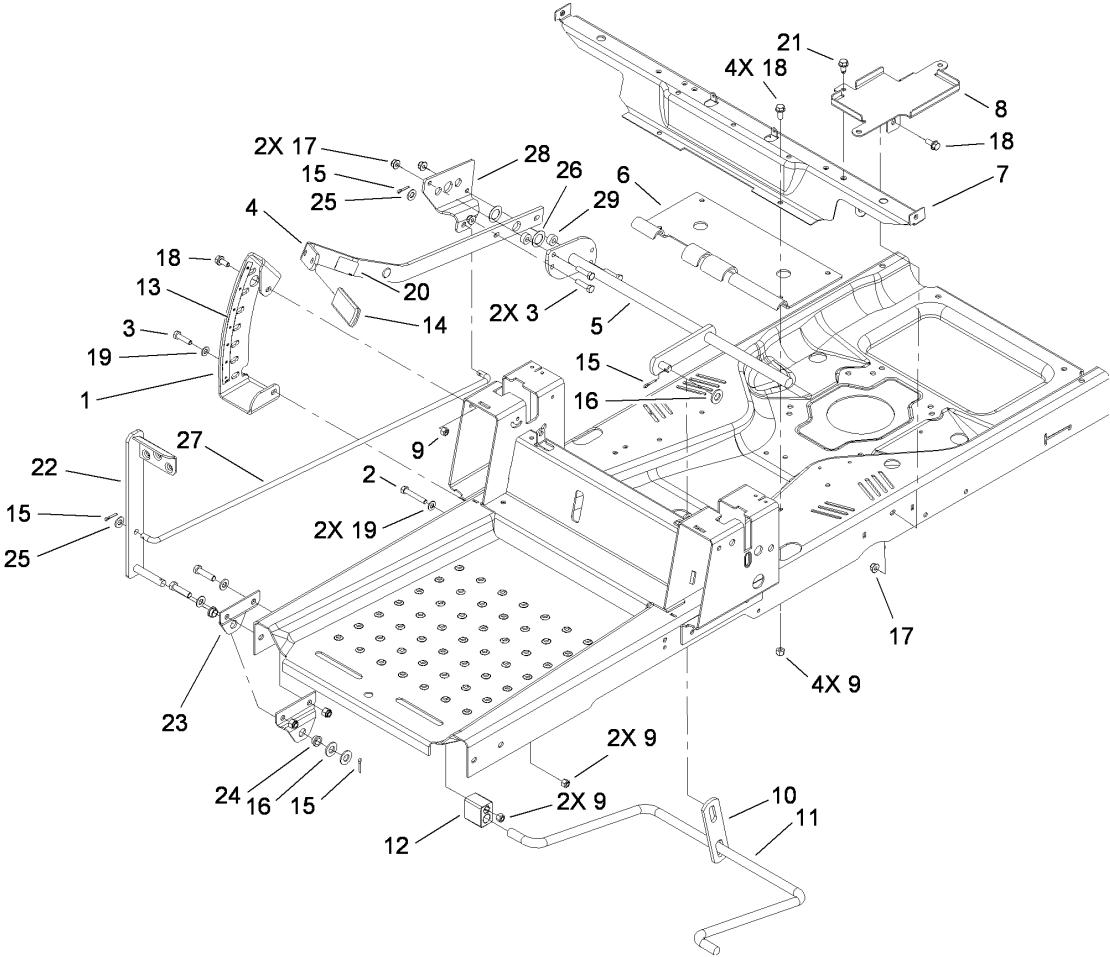
- ❶ Not illustrated
- ❷ Not serviced separately
- ❸ Obtain parts from www.kawpowerepc.com



Frame Assembly

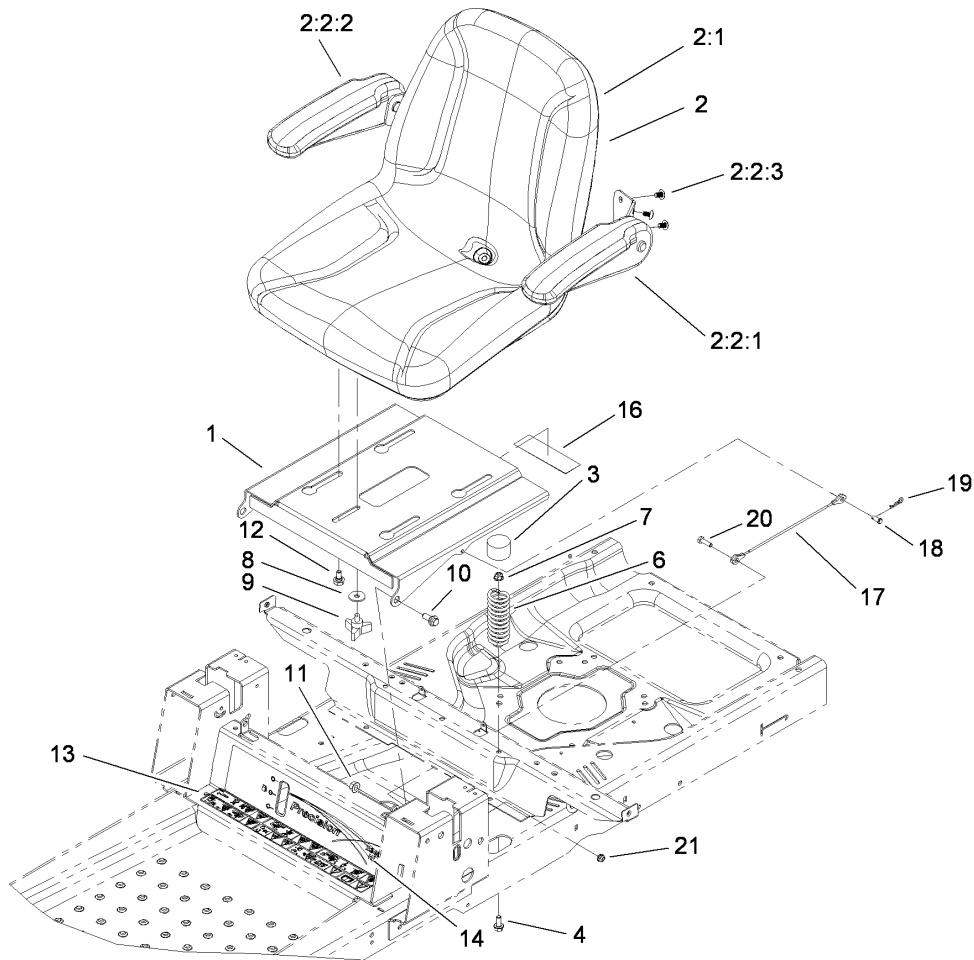
Ref	Part No.	Qty.	Description
1	115-2464-02	1	Frame
2	110-6899-03	1	Bumper-Rear
3	115-2468-03	1	Seat And Control ASM
4	108-7882-02	1	Front Axle ASM
5	108-8502	2	Caster Wheel ASM
5:1	108-8503	1	Tire-Smooth
5:2	302-5	1	Fitting-Grease
5:3	232-27	1	Stem-Valve
5:5	114-1640	2	Bushing-Flange
5:99	93-4244	1	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



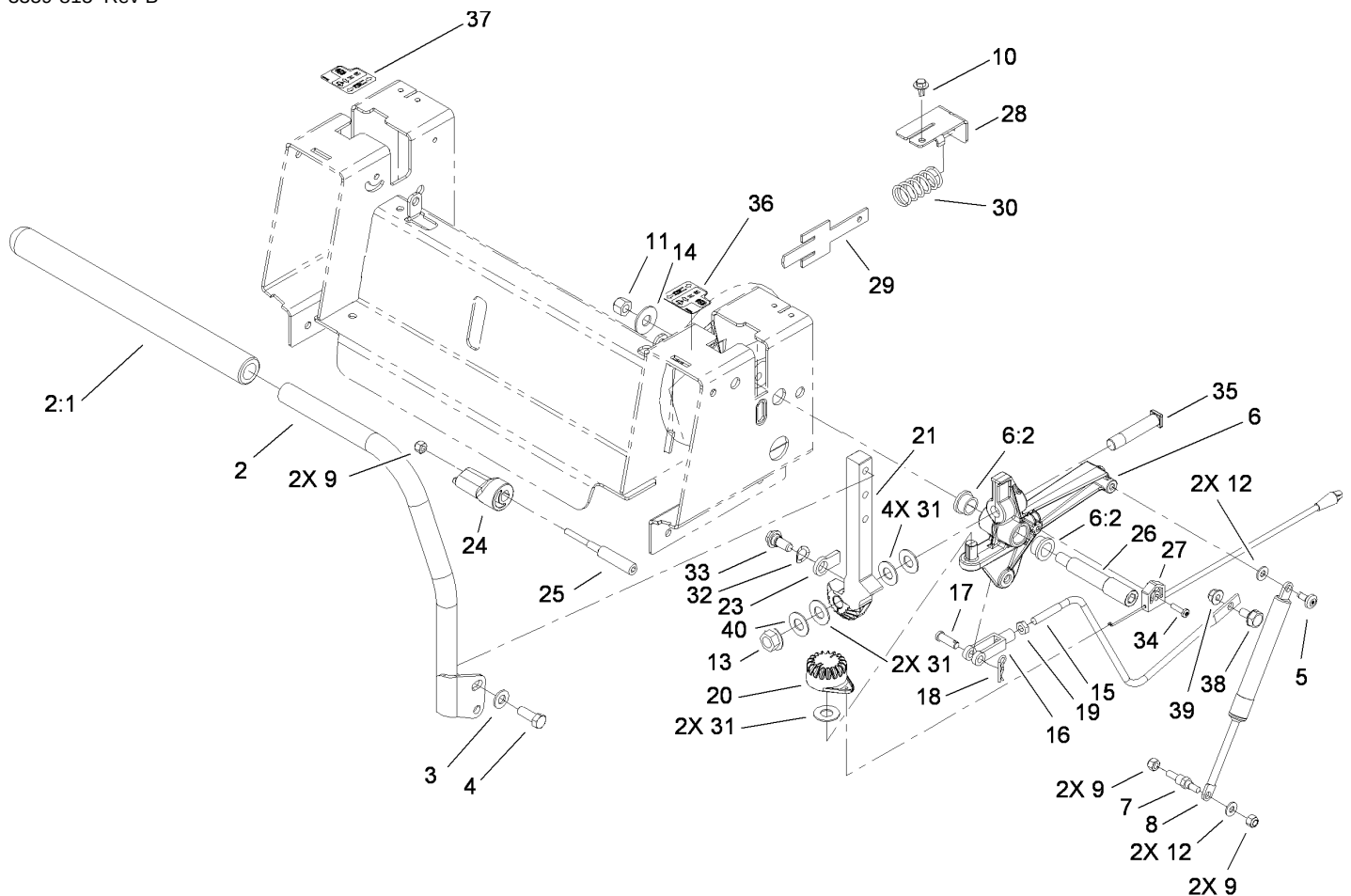
Deck Lift and Seat Support Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	112-4027-03	1	Sector-HOC	25	3256-24	2	Washer-Flat
2	322-10	2	Screw-HH	26	3-6498	2	Washer-Thrust
3	322-6	3	Screw-HH	27	112-3958	1	Rod-Lift
4	112-3960-03	1	Lift Arm ASM	28	112-3959	1	Plate-Footlift
5	108-7841-03	1	Lift Lever ASM	29	112-3961	2	Spacer
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				



Seat Assembly

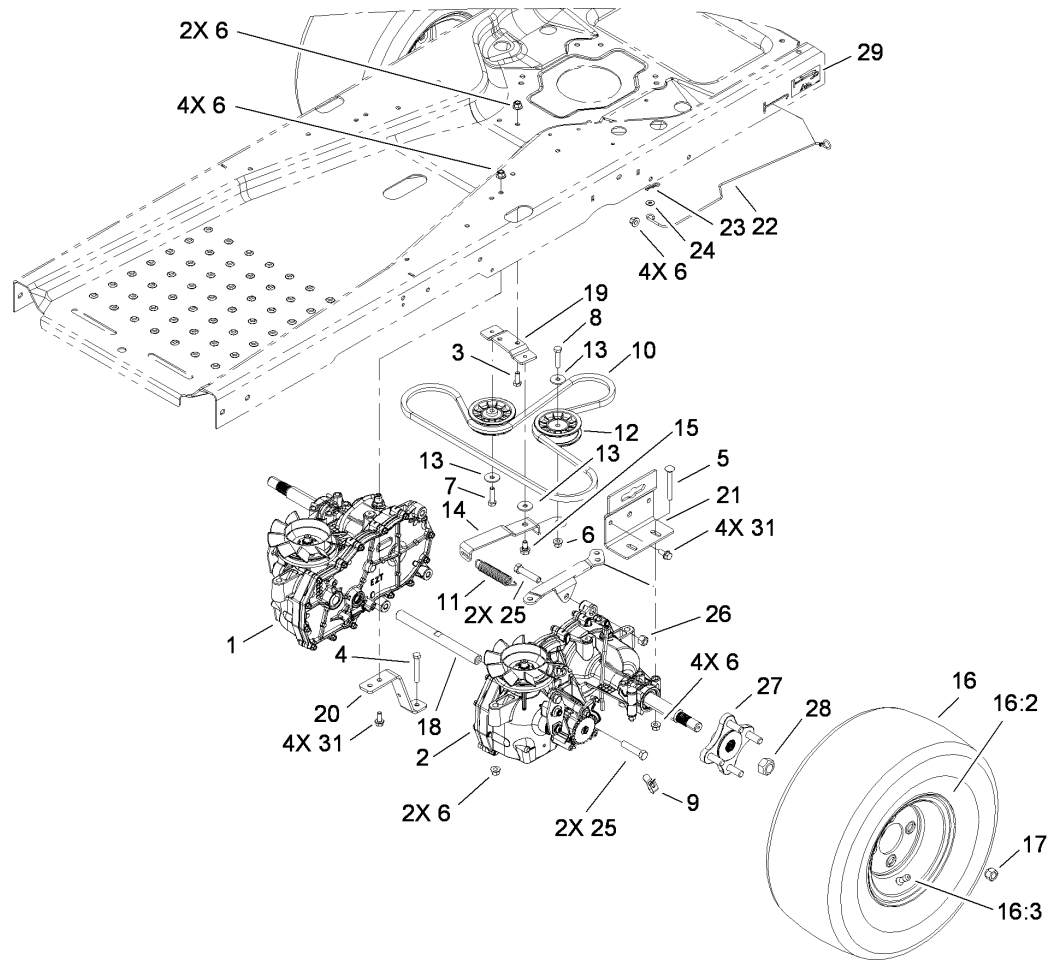
Ref	Part No.	Qty.	Description				
1	115-2465-03	1	Base-Seat				
2	110-6777	1	18 Inch Seat ASM (W/Arm Rests)				
2:1	110-6773	1	Seat-18 Inch				
2:2		1	Armrest Kit				
2:2:1	110-6569	1	LH Armrest Kit				
2:2:2	110-6570	1	RH Armrest Kit				
2:2:3	108-6179	6	Screw-HSBH				
3	701178	2	Cap-Protector				
4	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

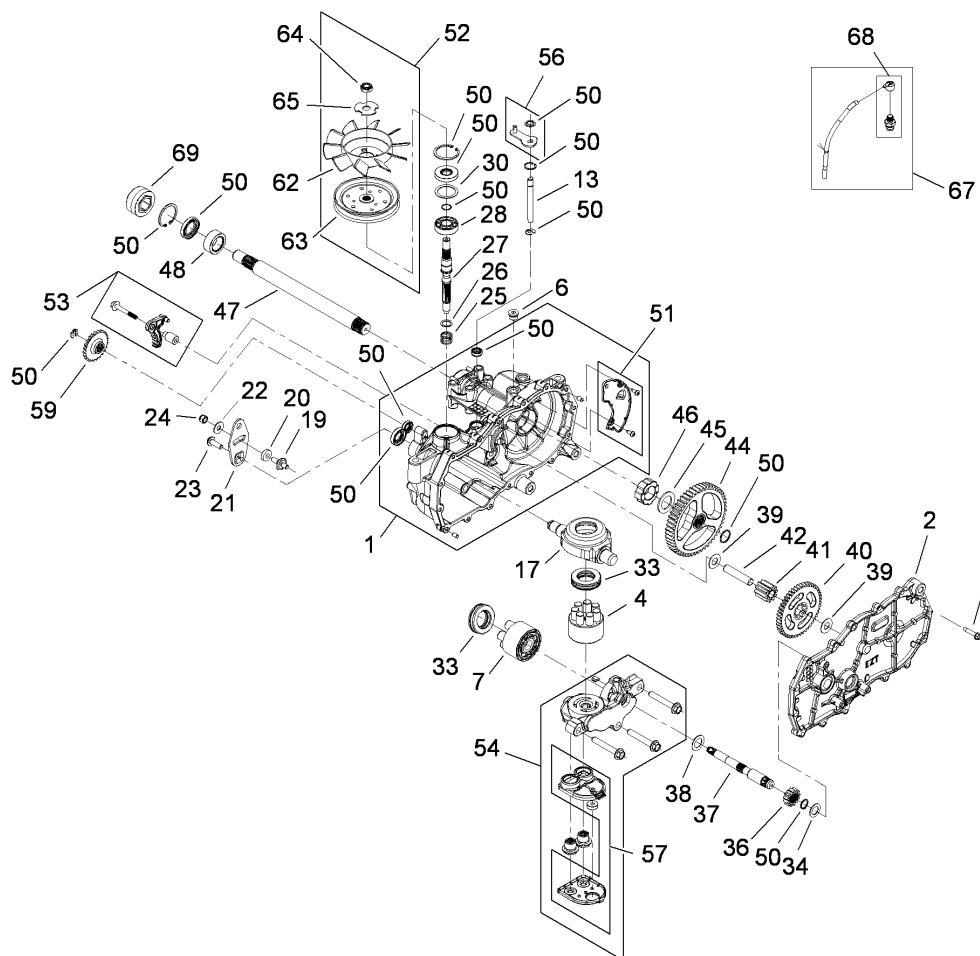
Ref	Part No.	Qty.	Description
❶1	110-6814	1	RH Handle ASM
❶1:1	108-6187	1	Grip
2	110-6815	1	LH Handle ASM
2:1	108-6187	1	Grip
3	3256-24	4	Washer-Flat
4	323-6	4	Screw-HH
5	112-4004	2	Screw-Shoulder
6	110-6828	2	Activator Arm ASM
6:2	105-3455	2	Bushing
7	110-6810	2	Stud-Damper
8	103-2913	2	Damper-Control, 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



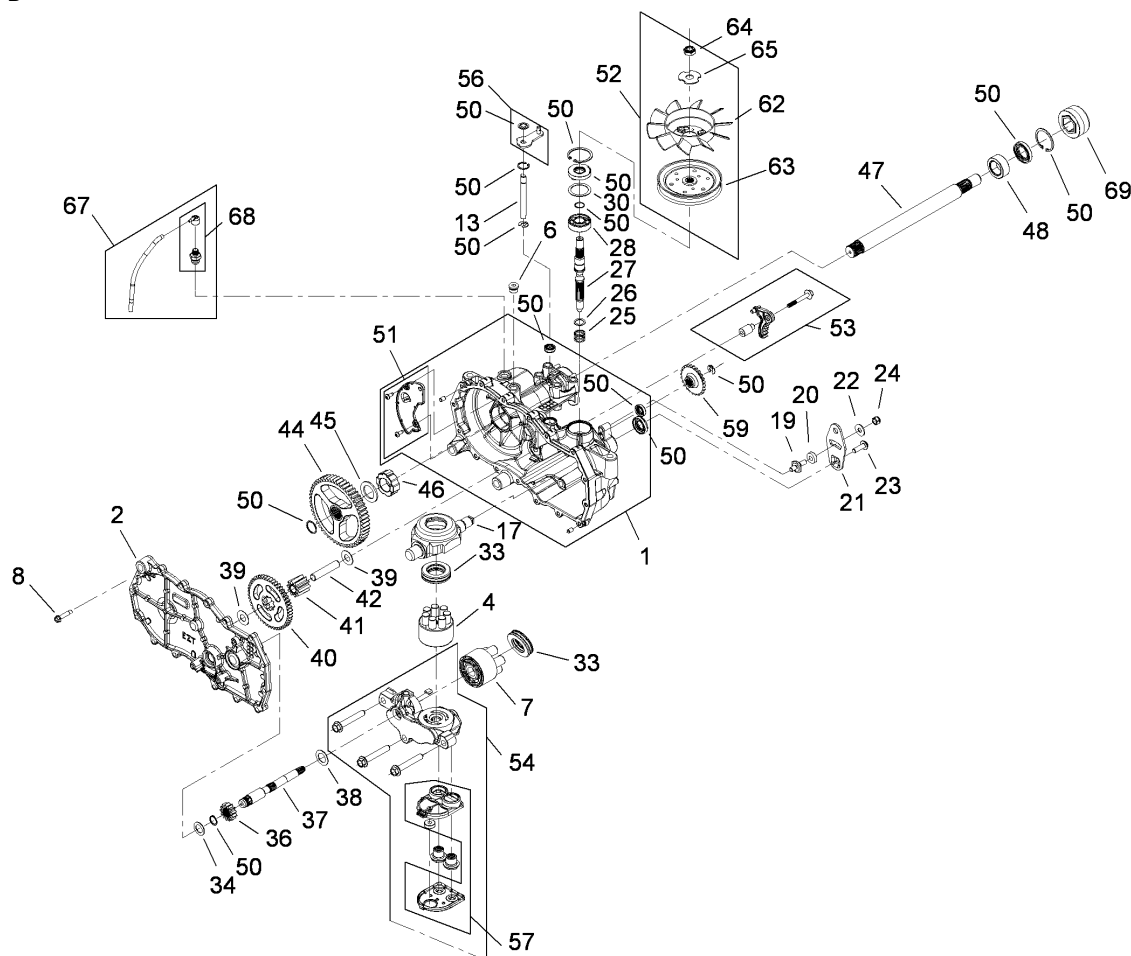
Hydro Drive Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	110-6771	1	Hydro-RH	22	110-6787	2	Rod-Bypass
2	110-6770	1	Hydro-LH	23	1-806003	2	Pin-Cotter, Hair
3	322-4	2	Screw-HH	24	3256-22	2	Washer-Flat
4	322-11	2	Screw-HH	25	324-8	4	Screw-HH
5	3230-9	4	Screw-CARR	26	3296-48	2	Nut-Lock, NI
6	104-8300	17	Nut-Flange, NI	27	112-3979	2	Hub ASM
7	322-6	1	Screw-HH	28	112-3982	2	Nut-Lock
8	322-7	1	Screw-HH	29	114-8532	1	Decal-Transport, LH
9	110-6677	2	Clip-Spring	30	114-8531	1	Decal-Transport, RH
10	110-6774	1	V-Belt	31	3234-47	8	Screw-HHF
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				
16:2		2	Rim-Wheel				
16:3	232-27	2	Stem-Valve				
16:4	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				



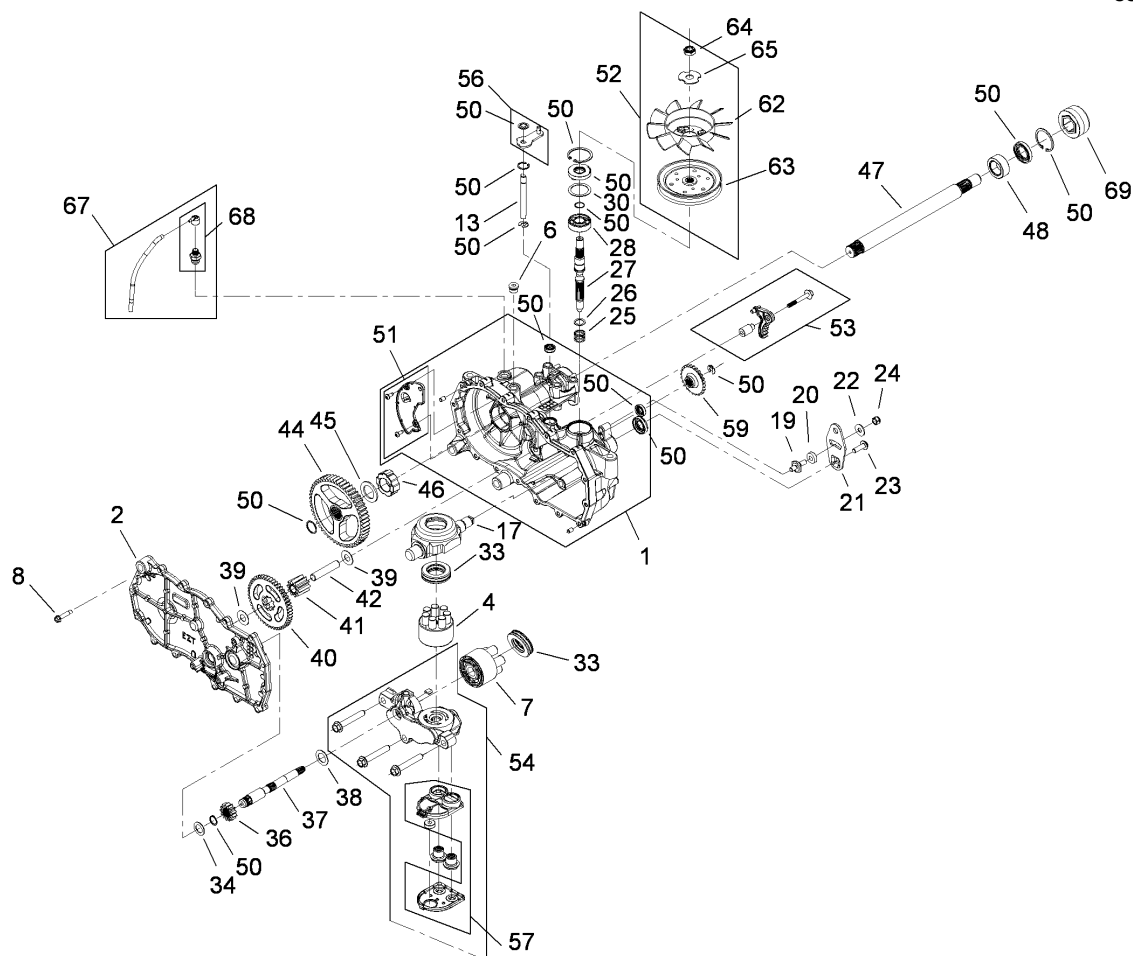
RH Hydro Assembly No. 110-6771

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	114-1630	1	RH Main Housing ASM	39	94-1933	2	Washer
2	114-1631	1	RH Side ASM	40	104-5317	1	Gear
4	110-8561	1	Pump Block ASM	41	104-5318	1	Gear-Jackshaft, 10T
6	112-9850	1	Plug	42	104-5329	1	Pin-Jackshaft
7	103-2666	1	Cylinder Block Kit	44	112-9855	1	Gear-52T, Bull
8	104-5305	16	Screw-HHF	45	112-9856	1	Washer
13	106-8678	1	Rod-Bypass	46	112-9857	1	Bearing-Sleeve
17	104-5304	1	Swashplate-Trunnion	47	112-9858	1	Shaft-Axle
19	104-2116	1	Stud	48	112-9859	1	Bushing-Axle
20	112-9853	1	Puck-Friction	50	106-8686	1	Seal Kit
21	106-8747	1	Arm-Control	51	106-8697	1	RH Expansion Plate Kit
22	5-4460	1	Washer-Pivot	52	106-8698	1	Fan Pulley Kit
23	107-2488	1	Screw	53	114-1633	1	Brake Arm Kit
24	105-1872	1	Nut	54	112-9861	1	RH Center Section Filter Kit
25	94-1936	1	Spring-Block	55	104-2147	1	Sealant
26	94-1937	1	Washer-Thrust, Block	56	107-2489	1	Bypass Arm Kit
27	104-5306	1	Shaft-Input	57	114-1634	1	Filter Kit
28	104-5311	1	Bearing-Ball	59	106-8694	1	Disc-Brake, Cog
30	104-5308	1	Spacer	62	110-8566	1	Fan-6 Inch, 10 Blade
33	94-6922	2	Bearing-Thrust	63	104-1754	1	Pulley
34	104-5339	1	Washer-Flat	64	105-1875	1	Nut-Lock
36	104-5316	1	Gear-Pinnion, 13T	65	107-9122	1	Washer-Slotted
37	114-1632	1	Shaft-Motor	67	112-9866	1	Breather Kit
38	104-5360	1	Washer-Shaft, Motor	68	114-1635	1	Breather ASM



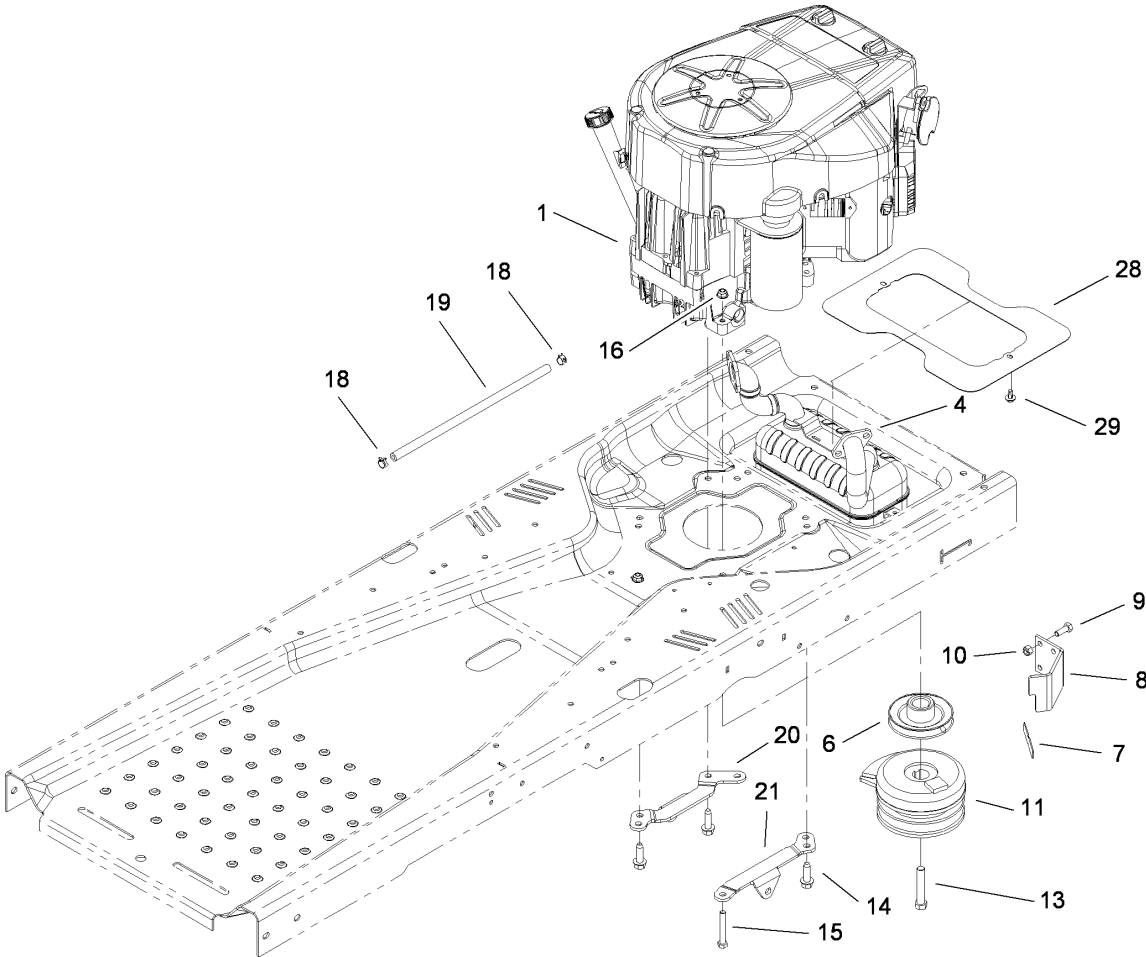
LH Hydro Assembly No. 110-6770

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	114-1636	1	LH Main Housing ASM	39	94-1933	2	Washer
2	114-1637	1	LH Side ASM	40	104-5317	1	Gear
4	110-8561	1	Pump Block ASM	41	104-5318	1	Gear-Jackshaft, 10T
6	112-9850	1	Plug	42	104-5329	1	Pin-Jackshaft
7	103-2666	1	Cylinder Block Kit	44	112-9855	1	Gear-52T, Bull
8	104-5305	16	Screw-HHF	45	112-9856	1	Washer
13	106-8678	1	Rod-Bypass	46	112-9857	1	Bearing-Sleeve
17	104-5304	1	Swashplate-Trunnion	47	112-9858	1	Shaft-Axle
19	104-2116	1	Stud	48	112-9859	1	Bushing-Axle
20	112-9853	1	Puck-Friction	50	106-8686	1	Seal Kit
21	106-8747	1	Arm-Control	51	106-8687	1	LH Expansion Plate Kit
22	5-4460	1	Washer-Pivot	52	106-8698	1	Fan Pulley Kit
23	107-2488	1	Screw	53	114-1633	1	Brake Arm Kit
24	105-1872	1	Nut	54	112-9862	1	LH Center Section Filter Kit
25	94-1936	1	Spring-Block	55	104-2147	1	Sealant
26	94-1937	1	Washer-Thrust, Block	56	107-2489	1	Bypass Arm Kit
27	104-5306	1	Shaft-Input	57	114-1634	1	Filter Kit
28	104-5311	1	Bearing-Ball	59	106-8694	1	Disc-Brake, Cog
30	104-5308	1	Spacer	62	110-8566	1	Fan-6 Inch, 10 Blade
33	94-6922	2	Bearing-Thrust	63	104-1754	1	Pulley
34	104-5339	1	Washer-Flat	64	105-1875	1	Nut-Lock
36	104-5316	1	Gear-Pinnion, 13T	65	107-9122	1	Washer-Slotted
37	114-1632	1	Shaft-Motor	67	112-9866	1	Breather Kit
38	104-5360	1	Washer-Shaft, Motor	68	114-1635	1	Breather ASM



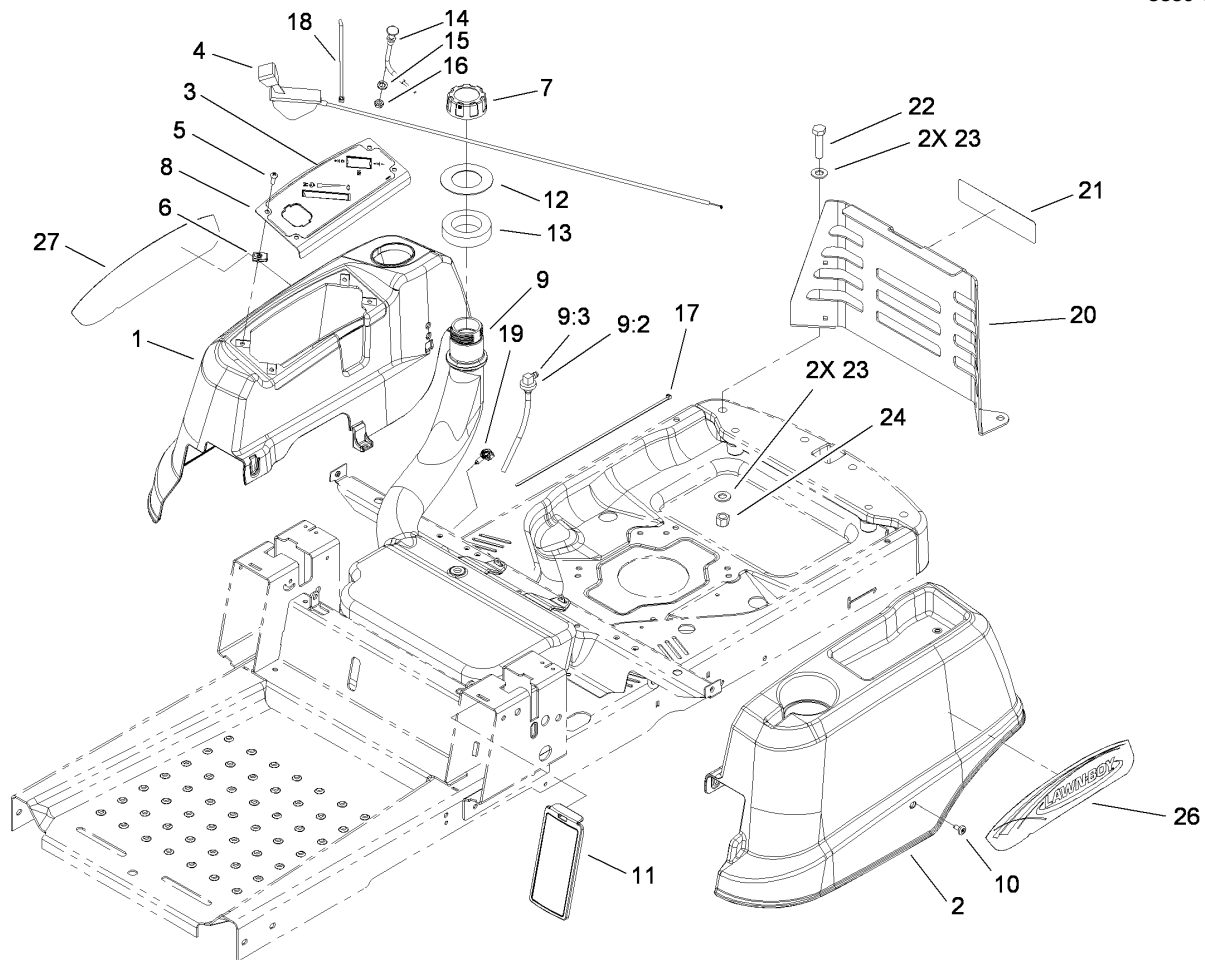
LH Hydro Assembly No. 110-6770 (continued)

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



Engine and Clutch Assembly

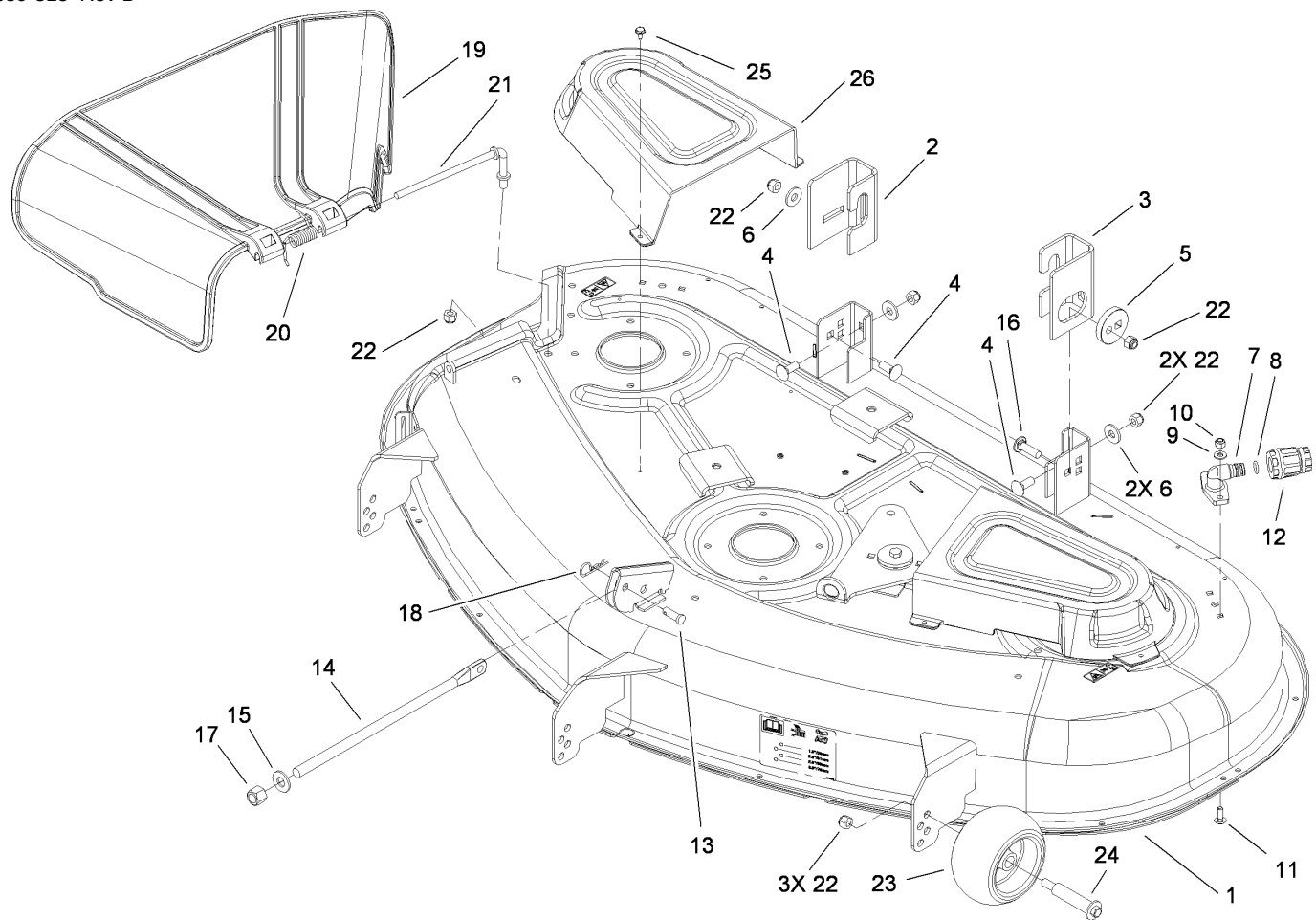
Ref	Part No.	Qty.	Description				
1		1	Engine-Kawasaki, FH641V-As31				
4	112-4023	1	Muffler-Kawasaki Twin				
6	114-1622	1	Pulley-Engine				
7	112-4033	1	Bumper				
8	110-6896	1	Stop-Clutch				
9	322-4	2	Screw-HH				
10	3296-29	2	Nut-Lock, NI				
11	110-6766	1	Clutch-Electric, PTO				
13	3212-11	1	Screw-HH				
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

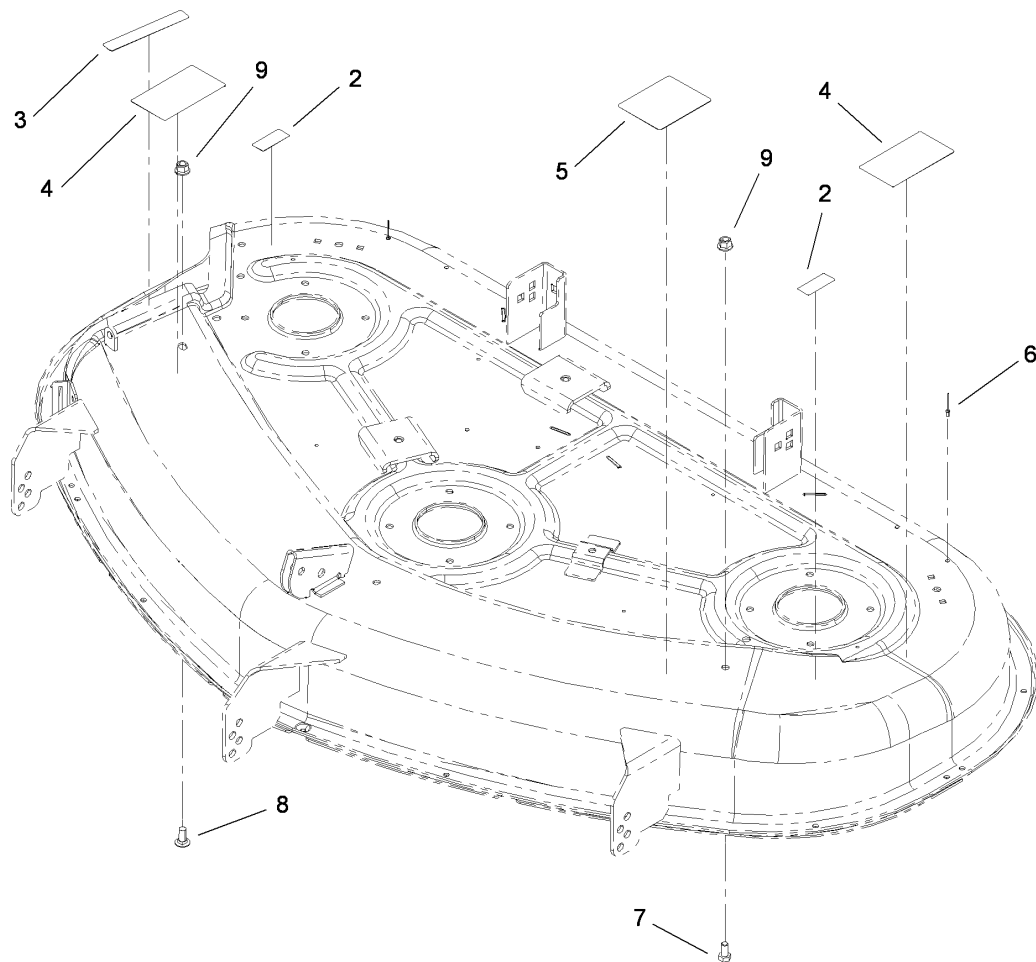
Ref	Part No.	Qty.	Description
1	112-9773	1	Pod-RH
2	112-9772	1	Pod-LH
3	115-2501	1	Decal
4	112-9752	1	Cable-Throttle
5	3258-166	4	Screw-PRH
6	107069	4	Clip
7	93-7198	1	Gas Cap ASM
8	110-1927-03	1	Panel-Control
9	110-6890	1	Fuel Tank ASM
9:2	46-6560	1	Bushing
9:3	95-3970	1	Fitting-90 Degree
10	112-4004	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



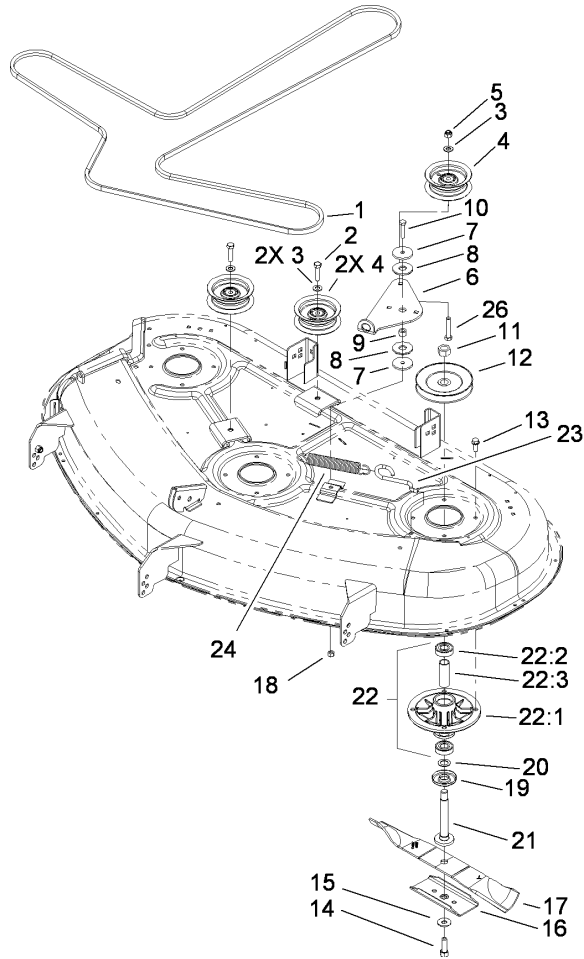
50 Inch Deck Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	115-2475	1	50 Inch Deck ASM	25	32104-76	6	Screw
2	108-7836	1	Bracket-Hanger, Right Rear	26	108-7890	2	Cover-Belt
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				



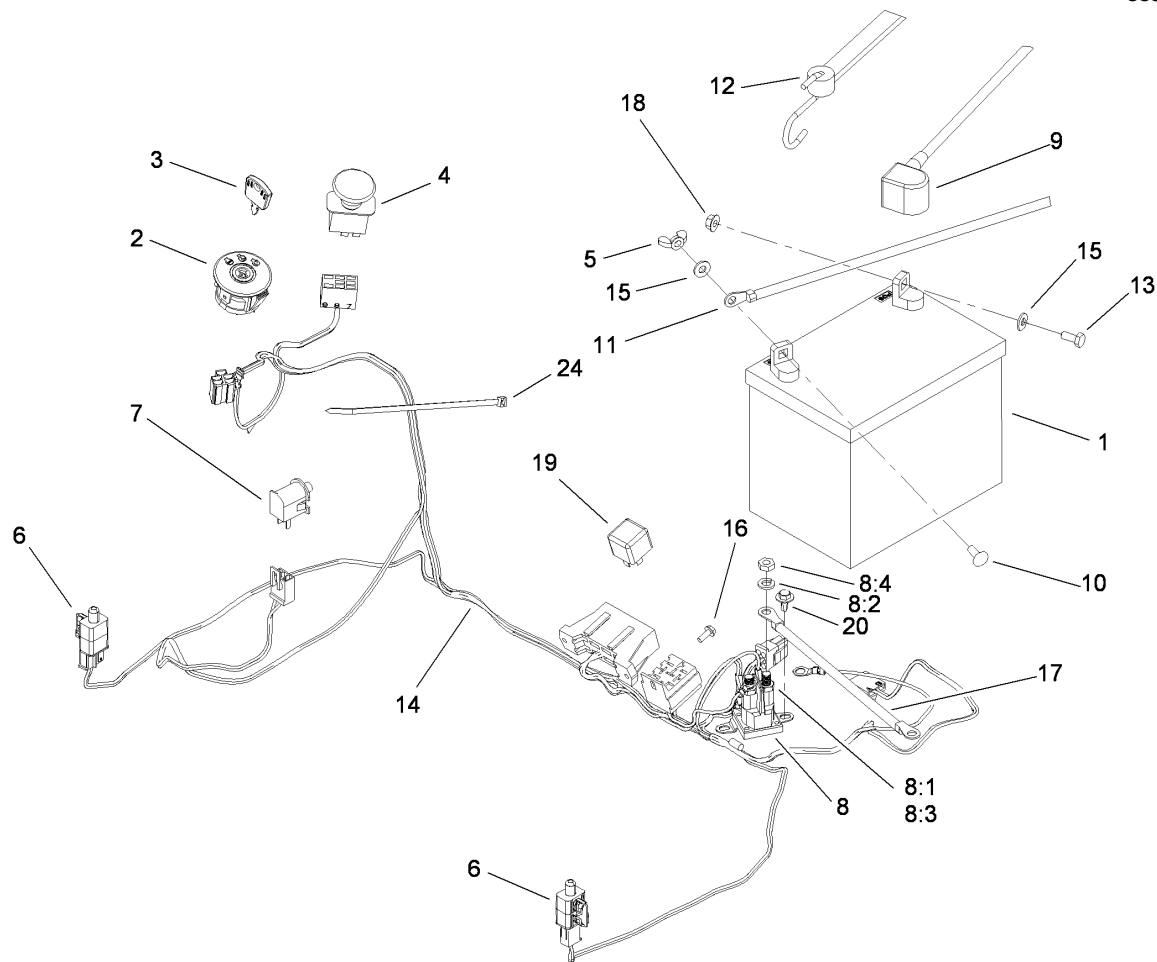
50 Inch Deck Assembly No. 115-2475

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

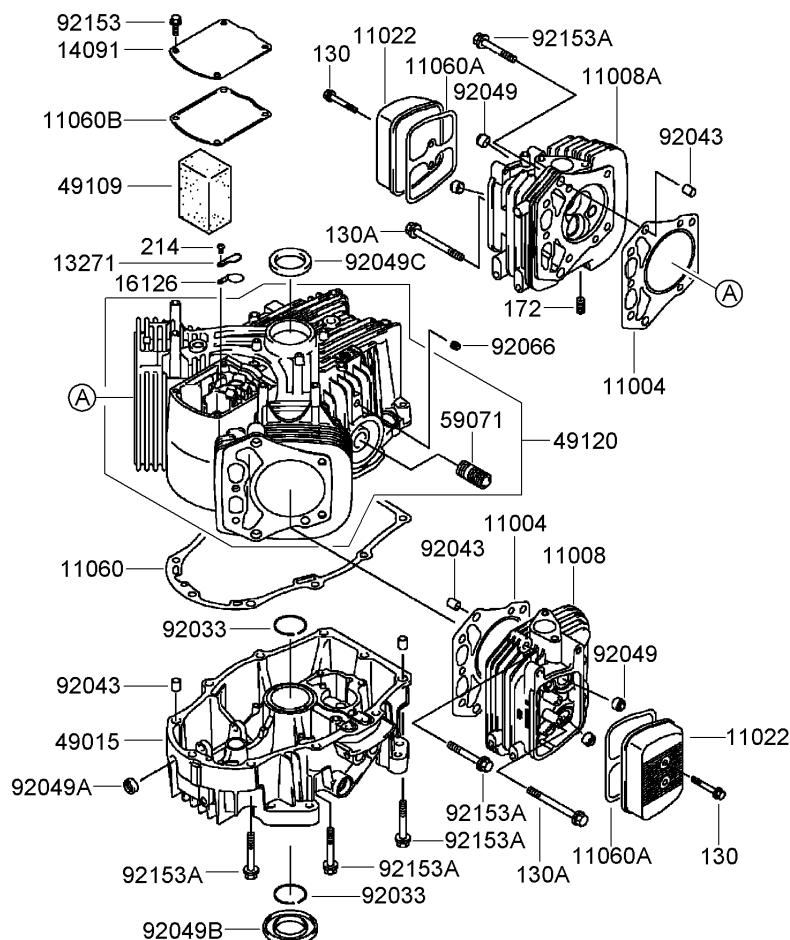
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	110-6892	1	V-Belt	22:3	62-3661	1	Spacer
2	323-8	2	Screw-HH	23	112-3973	1	Hook-Return, Spring
3	3256-24	3	Washer-Flat	24	1-603414	1	Spring-Extension
4	106-2175	3	Pulley-Idler, Flat	26	323-10	1	Screw-HH
5	3296-39	1	Nut-Lock, NI				
6	114-8540	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				
22		3	Spindle ASM				
22:1	88-4510	1	Housing-Spindle				
22:2	100-1048	2	Bearing-Ball				



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
23	112-9794	1	Harness-Adapter
24	614249	1	Strap-Tie

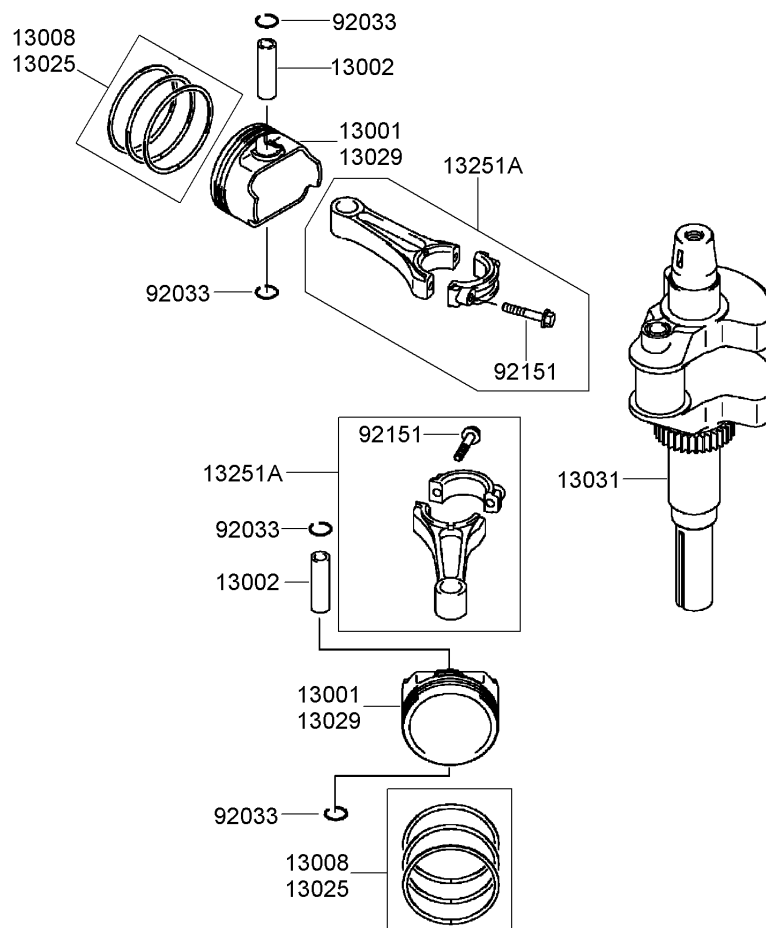


Cylinder and Crankcase Assembly

Kawasaki FH641V-AS31

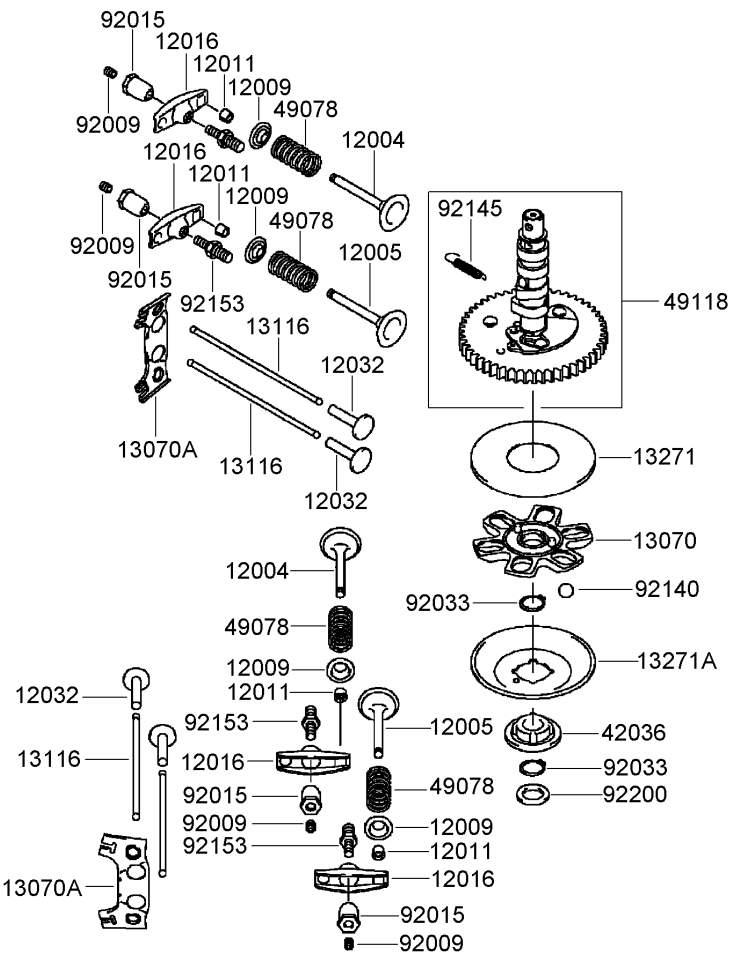
Ref	Part No.	Qty.	Description
⑤11004	11004-7006	2	Gasket-Head
⑤11008	11008-7023	1	Head-Cylinder, No.2
⑤11008A	11008-7024	1	Head-Cylinder, No.1
⑤11022	11022-7002	2	Case-Rocker
⑤11060	11060-7012	1	Gasket-Cover, Crankcase
⑤11060A	11060-7013	2	Gasket-Case, Rocker
⑤11060B	11060-7014	1	Gasket-Breather
⑤13271	13271-7006	1	Plate
⑤14091	14091-7004	1	Cover
⑤16126	16126-7001	1	Valve
⑤49015	49015-7064	1	Cover-Crankcase
⑤49109	49109-7003	1	Element-Breather
⑤49120	49120-7092	1	Crankcase
⑤59071	59071-2079	1	Joint
⑤92033	92033-7004	2	Ring-Snap
⑤92043	92043-7001	6	Pin
⑤92049	92049-7001	4	Seal-Oil, R V C2 (6X11X10.2)
⑤92049A	92049-7005	1	Seal-Oil, S O (8X14X5 H S)
⑤92049B	92049-7011	1	Seal-Oil, S D (35X62X8 L H S)
⑤92049C	92049-7014	1	Seal-Oil, S D (35X52X7 R H S)
⑤92066	92066-7002	1	Plug
⑤92153	92153-7043	4	Bolt (6X12)
⑤92153A	92153-7054	18	Bolt (8X50)
⑤130	130B0640	4	Bolt-Flanged (6X40)

Ref	Part No.	Qty.	Description
③ 130A	130CA0875	2	Bolt-Flanged (8X75)
③ 172	172G0818	4	Bolt-Stud (8X18)
③ 214	214B0408	1	Screw-Pan (4X8)



Piston and Crankshaft Assembly Kawasaki FH641V-AS31

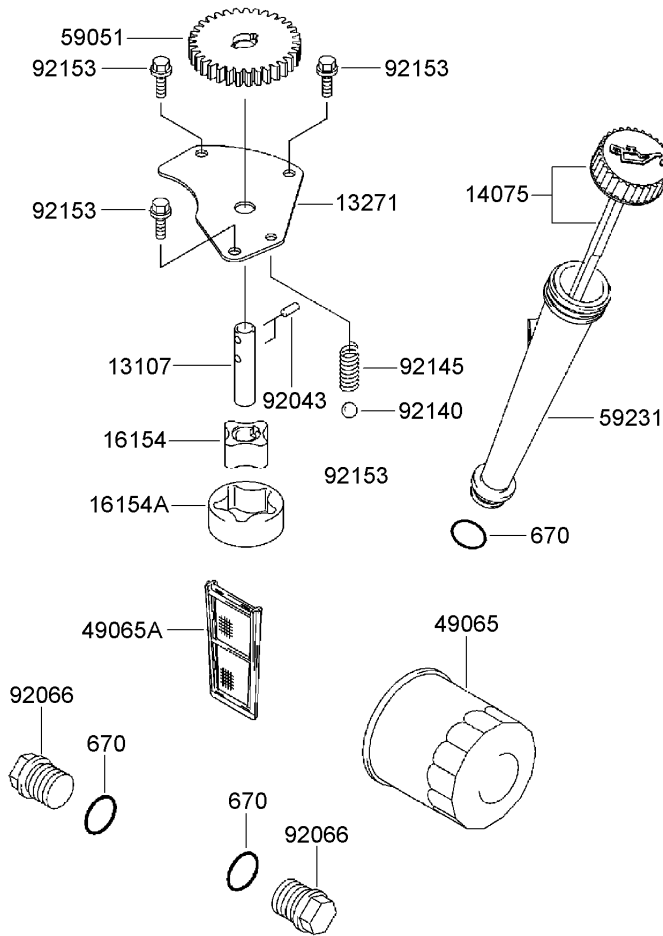
Ref	Part No.	Qty.	Description				
③13001	13001-7007	2	Piston-Engine				
③13002	13002-7001	2	Pin-Piston				
③13008	13008-6058	2	Piston Ring Set				
③13025	13025-7002	1	Piston Ring Set (L, 0.50)				
③13029	13029-7003	1	Piston-Engine (L, 0.50)				
③13031	13031-7048	1	Crankshaft				
③13251A	13251-7016	2	Connecting Rod ASM				
③92033	92033-7002	4	Ring-Snap				
③92151	92151-7017	4	Bolt (6X35)				



Valve and Camshaft Assembly

Kawasaki FH641V-AS31

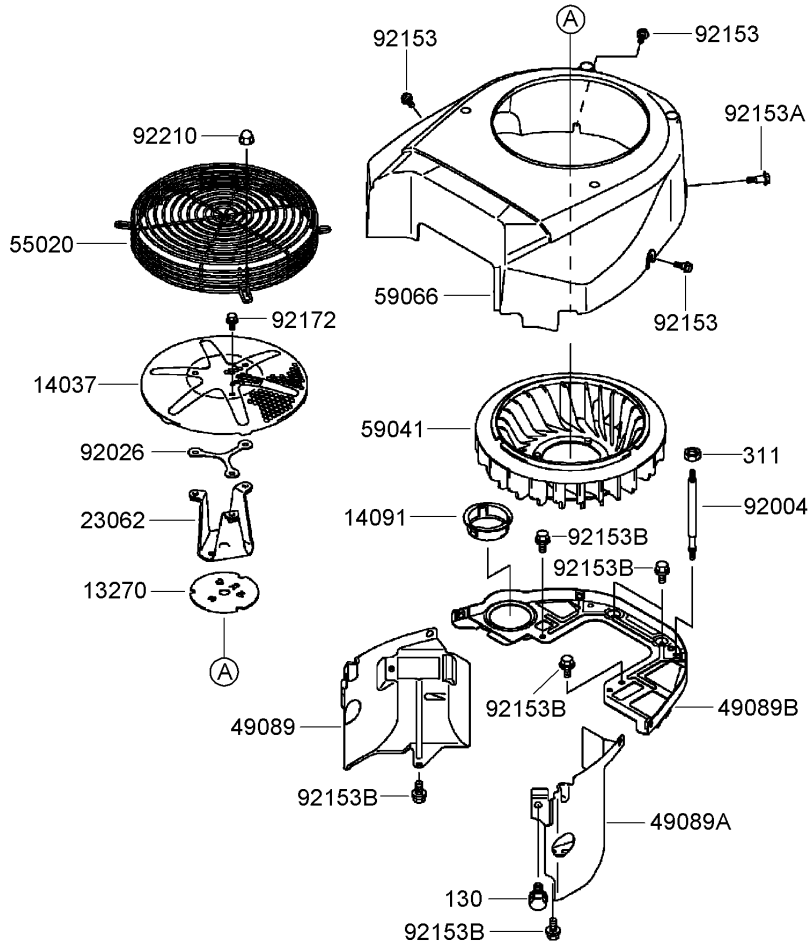
Ref	Part No.	Qty.	Description				
❶12004	12004-7002	2	Valve-Intake				
❶12005	12005-7004	2	Valve-Exhaust				
❶12009	12009-7001	4	Retainer-Spring, Valve				
❶12011	12011-2056	8	Collet				
❶12016	12016-7007	4	Arm-Rocker				
❶12032	12032-7001	4	Tappet				
❶13070	13070-7004	1	Guide				
❶13070A	13070-7007	2	Guide				
❶13116	13116-7002	4	Rod-Push				
❶13271	13271-7007	1	Plate				
❶13271A	13271-7021	1	Plate-Governor				
❶42036	42036-7010	1	Sleeve				
❶49078	49078-7002	4	Spring-Valve, Engine (Intake)				
❶49118	49118-7007	1	Camshaft				
❶92009	92009-2341	4	Screw				
❶92015	92015-2253	4	Nut				
❶92033	92033-7001	2	Ring-Snap				
❶92140	92140-7002	6	Ball				
❶92145	92145-7001	1	Spring				
❶92153	92153-7019	4	Bolt				
❶92200	92200-7001	1	Washer				



Lubrication Equipment Assembly

Kawasaki FH641V-AS31

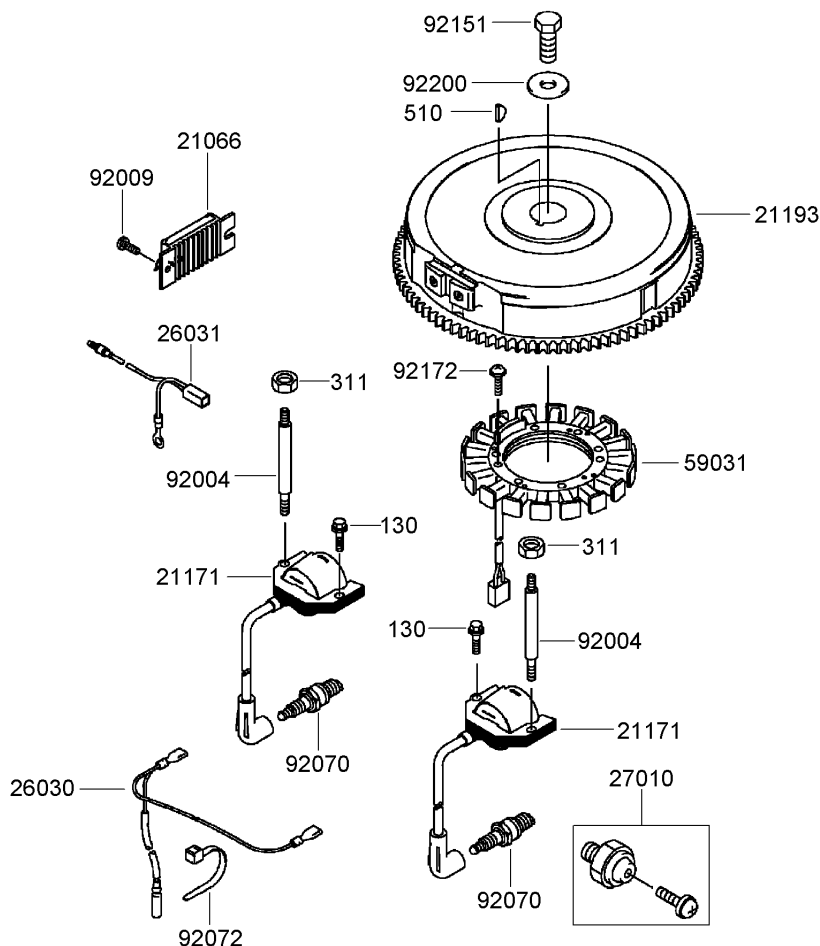
Ref	Part No.	Qty.	Description				
13107	13107-7009	1	Shaft				
13271	13271-7005	1	Plate				
14075	14075-7008	1	Cap ASM				
16154	16154-7007	1	Rotor-Pump (In)				
16154A	16154-7008	1	Rotor-Pump (Out)				
49065	49065-2078	1	Filter-Oil				
49065A	49065-7003	1	Filter-Oil				
59051	59051-7011	1	Gear-Spur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



Cooling Equipment Assembly

Kawasaki FH641V-AS31

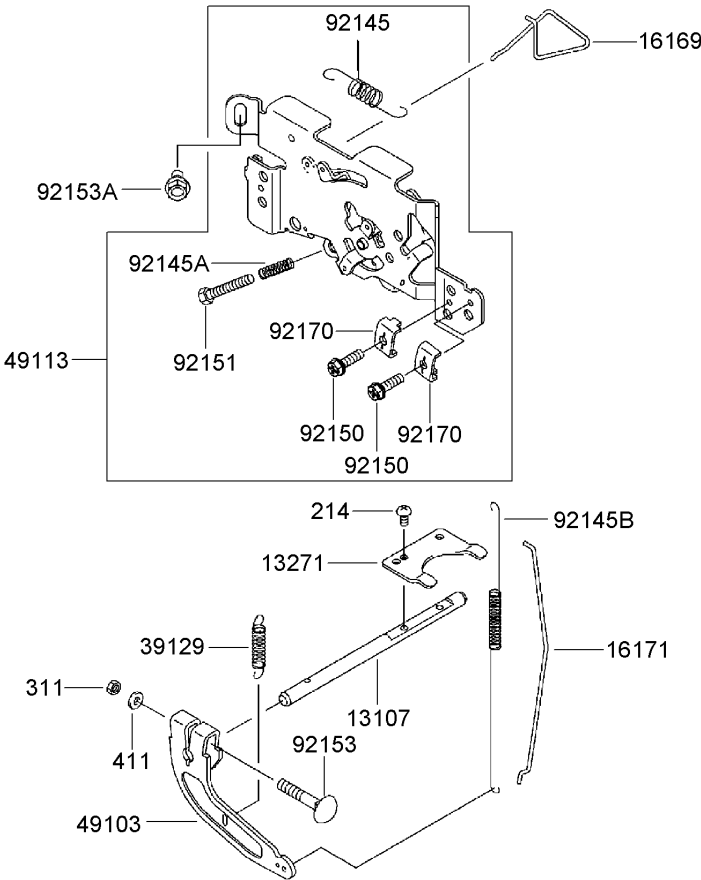
Ref	Part No.	Qty.	Description				
❸13270	13270-7007	1	Plate				
❸14037	14037-7008-9H	1	Screen				
❸14091	14091-7002	1	Cover				
❸23062	23062-7005	1	Bracket				
❸49089	49089-7004	1	Shroud-Engine				
❸49089A	49089-7005	1	Shroud-Engine				
❸49089B	49089-7049	1	Shroud-Engine				
❸55020	55020-7007	1	Guard				
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

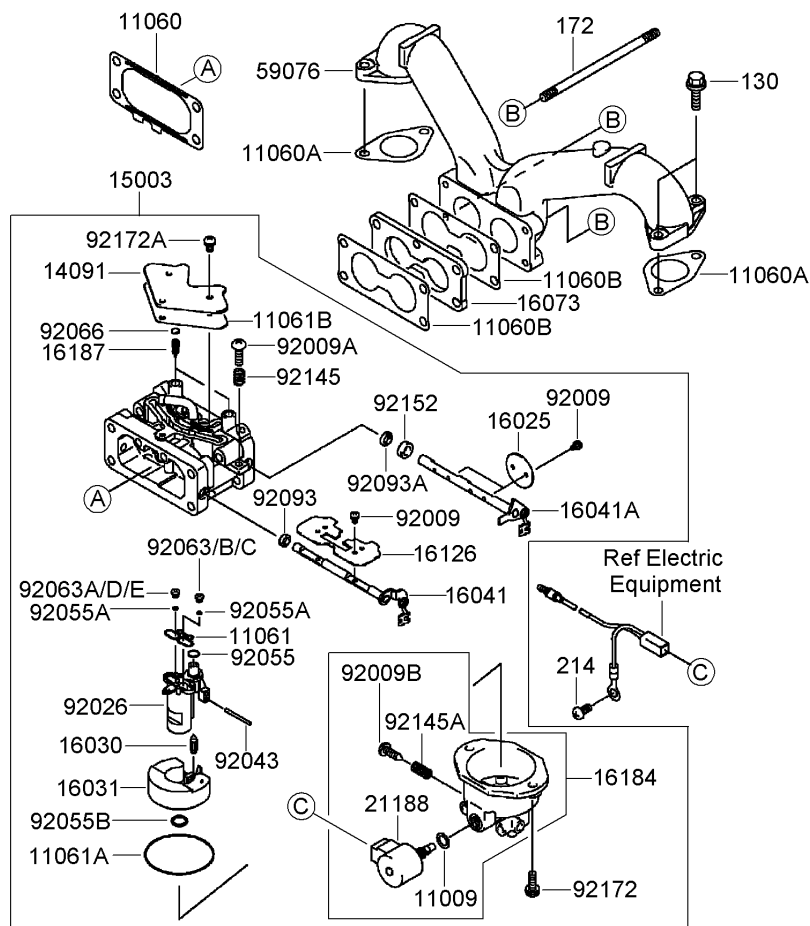
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description				
③21066	21066-7011	1	Regulator-Voltage				
③21171	21171-7013	2	Ignition Coil ASM				
③21193	21193-7019	1	Flywheel ASM				
③26030	26030-7002	1	Harness				
③26031	26031-7003	1	Harness				
③27010	27010-2234	1	Switch				
③59031	59031-7009	1	Coil-Charging				
③92004	92004-7009	2	Stud				
③92009	92009-2308	1	Screw				
③92070	92070-7004	2	Sparkplug (B P R4 E S (N G K) Solid)				
③92072	92072-7003	3	Band				
③92151	92151-2097	1	Bolt (12X30)				
③92172	92172-7018	4	Screw (5X20)				
③92200	92200-7002	1	Washer				
③130	130B0620	2	Bolt-Flanged (6X20)				
③311	311B0600	2	Nut-Hex (6Mm)				
③510	510A5100	1	Key-Woodruff				



Control Equipment Assembly
Kawasaki FH641V-AS31

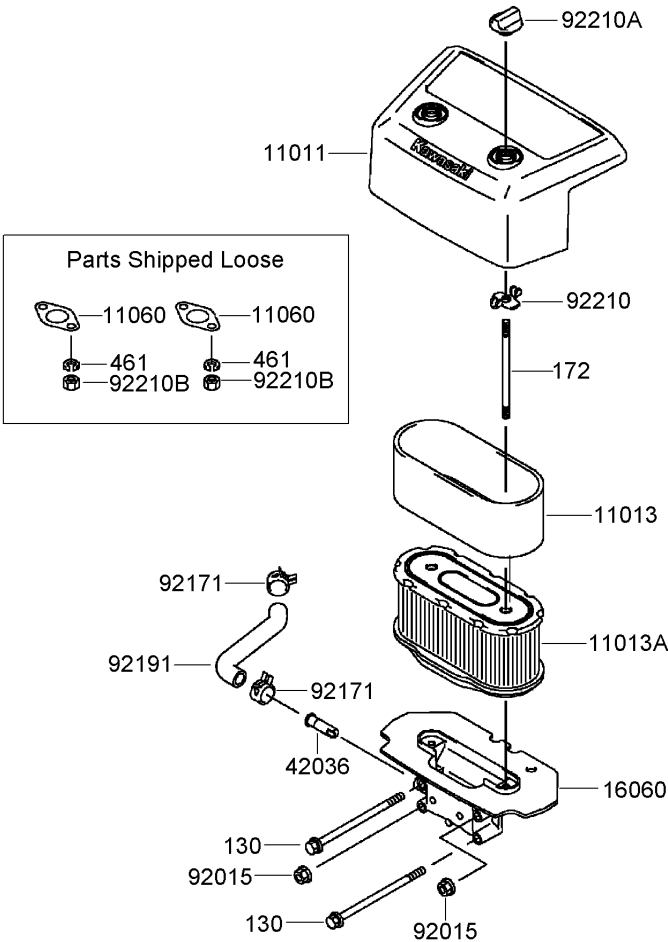
Ref	Part No.	Qty.	Description				
❶13107	13107-7013	1	Shaft				
❶13271	13271-7032	1	Plate				
❶16169	16169-7006	1	Link-Choke				
❶16171	16171-7004	1	Link				
❶39129	39129-7004	1	Spring-Governor				
❶49103	49103-7004	1	Arm-Governor				
❶49113	49113-7017	1	Panel-Control				
❶92145	92145-7004	1	Spring				
❶92145A	92145-7005	1	Spring				
❶92145B	92145-7034	1	Spring				
❶92150	92150-2182	2	Bolt (5X18)				
❶92151	92151-7014	1	Bolt (5X30)				
❶92153	92153-7033	1	Bolt (6X35)				
❶92153A	92153-7043	2	Bolt (6X12)				
❶92170	92170-7001	2	Clamp				
❶214	214B0408	2	Screw-Pan (4X8)				
❶311	311B0600	1	Nut-Hex (6Mm)				
❶411	411B0600	1	Washer-Plain (6Mm)				



Carburetor Assembly Kawasaki FH641V-AS31

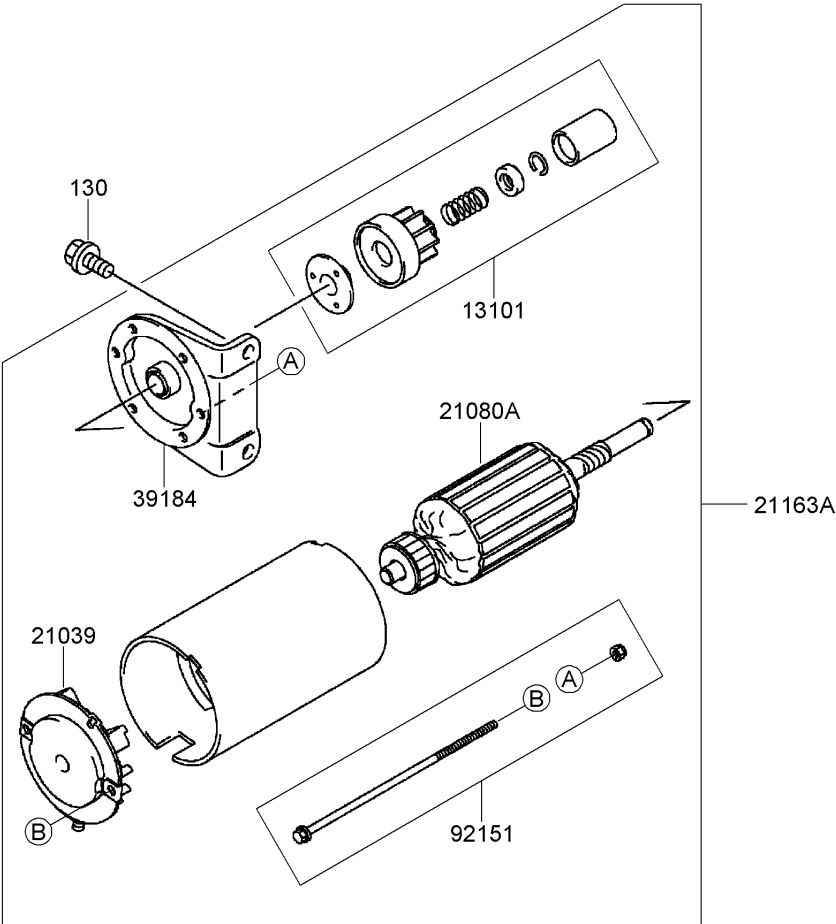
Ref	Part No.	Qty.	Description
①11009	11009-2056	1	Gasket
①11060	11060-7009	1	Gasket-Filter, Air
①11060A	11060-7011	2	Gasket-Manifold
①11060B	11060-7024	2	Gasket-Carburetor
①11061	11061-7037	1	Gasket
①11061A	11061-7038	1	Gasket
①11061B	11061-7039	1	Gasket
①14091	14091-7031	1	Cover
①15003	15003-7115	1	Carburetor ASM
①16025	16025-7003	2	Valve-Throttle
①16030	16030-7004	1	Valve-Float
①16031	16031-7003	1	Float
①16041	16041-7021	1	Shaft-Carburetor
①16041A	16041-7023	1	Shaft-Carburetor
①16073	16073-7005	1	Insulator
①16126	16126-7015	1	Valve
①16184	16184-7017	1	Chamber Float ASM
①16187	16187-7002	2	Needle-Jet
①21188	21188-7003	1	Solenoid
①59076	59076-7002	1	Manifold-Intake
①92009	92009-7003	6	Screw
①92009A	92009-7004	1	Screw
①92009B	92009-7006	1	Screw-Drain
①92026	92026-7011	1	Spacer

Ref	Part No.	Qty.	Description
①92043	92043-7014	1	Pin
①92055	92055-7012	1	O-Ring
①92055A	92055-7013	2	O-Ring
①92055B	92055-7016	1	O-Ring
①92063	92063-7051	1	Jet-Main, No.104
①92063A	92063-7056	1	Jet-Main, No.102
①92063B	92063-7075	1	Jet-Main, No.101 (3280 Ft)
①92063C	92063-7076	1	Jet-Main, No.098 (6560 Ft)
①92063D	92063-7079	1	Jet-Main, No.099 (3280)
①92063E	92063-7080	1	Jet-Main, No.096 (6560)
①92066	92066-7009	2	Plug-Expansion
①92093	92093-7001	1	Seal (I D 5.9)
①92093A	92093-7002	1	Seal (I D 6.9)
①92145	92145-7010	1	Spring
①92145A	92145-7011	1	Spring
①92152	92152-7005	1	Collar
①92172	92172-7005	2	Screw (M5)
①92172A	92172-7006	3	Screw (M4)
①130	130B0620	4	Bolt-Flanged (6X20)
①172	172G06105	2	Bolt-Stud (6X10.5)
①214	214B0510	1	Screw-Pan (5X10)



Air Filter and Muffler Assembly
Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description				
❶11011	11011-7042	1	Case-Air Filter				
❶11013	11013-7009	1	Element-Filter, Air				
❶11013A	11013-7027	1	Element-Filter, Air				
❶11060	11060-7016	2	Gasket-Muffler				
❶16060	16060-7001	1	Pipe-Intake				
❶42036	42036-7002	1	Sleeve				
❶92015	92015-1193	2	Nut				
❶92171	92171-7013	2	Clamp				
❶92191	92191-7006	1	Tube				
❶92210	92210-7004	2	Nut (M6)				
❶92210A	92210-7019	2	Nut				
❶92210B	92210-7027	4	Nut (M8)				
❶130	130B06105	2	Bolt-Flanged (6X10.5)				
❶172	172G0690	2	Bolt-Stud (6X90)				
❶461	461F0800	4	Washer-Spring (8Mm)				



Starter Assembly
Kawasaki FH641V-AS31

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

56033



56070



56080



Label Assembly

Kawasaki FH641V-AS31

Ref	Part No.	Qty.	Description
③56033	56033-7003	1	Label-Manual
③56070	56070-7001	1	Label-Warning
③56080	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

