Form Number 3361-923 Rev B

Commercial Walk-Behind Mower

Floating Deck T-Bar Hydro with 48in TURBO FORCE® Cutting Unit

Model No. 30498 - 280001101 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.

© The Toro Company - 2009
All Rights Reserved

Register your product at www.Toro.com

Contents

Description	Page
Engine and Clutch Assembly	3
Fuel System, Hydraulic Pump and Filter Assembly	4
Hydraulic Pump Assembly No. 115-4480	5
Hydraulic Pump Assembly No. 115-4481	6
Pump Drive and Wheel Assembly	7
Hydraulic Motor Assembly 104-1171	8
Lower Control Assembly	9
Hydraulic Hose Assembly	10
Upper Control Assembly	11
Control Panel Assembly	12
Battery Assembly	13
Parking Brake Assembly	14
Power-Take-Off Idler and Weight Assembly	15
Carrier Frame Assembly	16
Deck Drive and Baffle Assembly	17
Deck Assembly No. 112-7082	18
Spindle Assembly No. 110-0728	19
Spindle Assembly No. 110-0729	20
Lever Assembly No. 107-1664	21
Deck Assembly	22
Deflector Assembly No. 110-0758	23
Cylinder and Crankcase Assembly Kawasaki FH580V-FS28	24
Piston and Crankshaft Assembly Kawasaki FH580V-FS28	25
Valve and Camshaft Assembly Kawasaki FH580V-FS28	26
Lubrication Equipment Assembly Kawasaki FH580V-FS28	27
Cooling Equipment Assembly Kawasaki FH580V-FS28	28
Electric Equipment Assembly Kawasaki FH580V-FS28	29
Control Equipment Assembly Kawasaki FH580V-FS28	30
Carburetor Assembly Kawasaki FH580V-FS28	31
Air Filter and Muffler Assembly Kawasaki FH580V-FS28	32
Fuel Tank and Valve Assembly Kawasaki FH580V-FS28	33
Starter Assembly Kawasaki FH580V-FS28	34
Label Assembly Kawasaki FH580V-FS28	35
Attachments and Accessories List	36

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

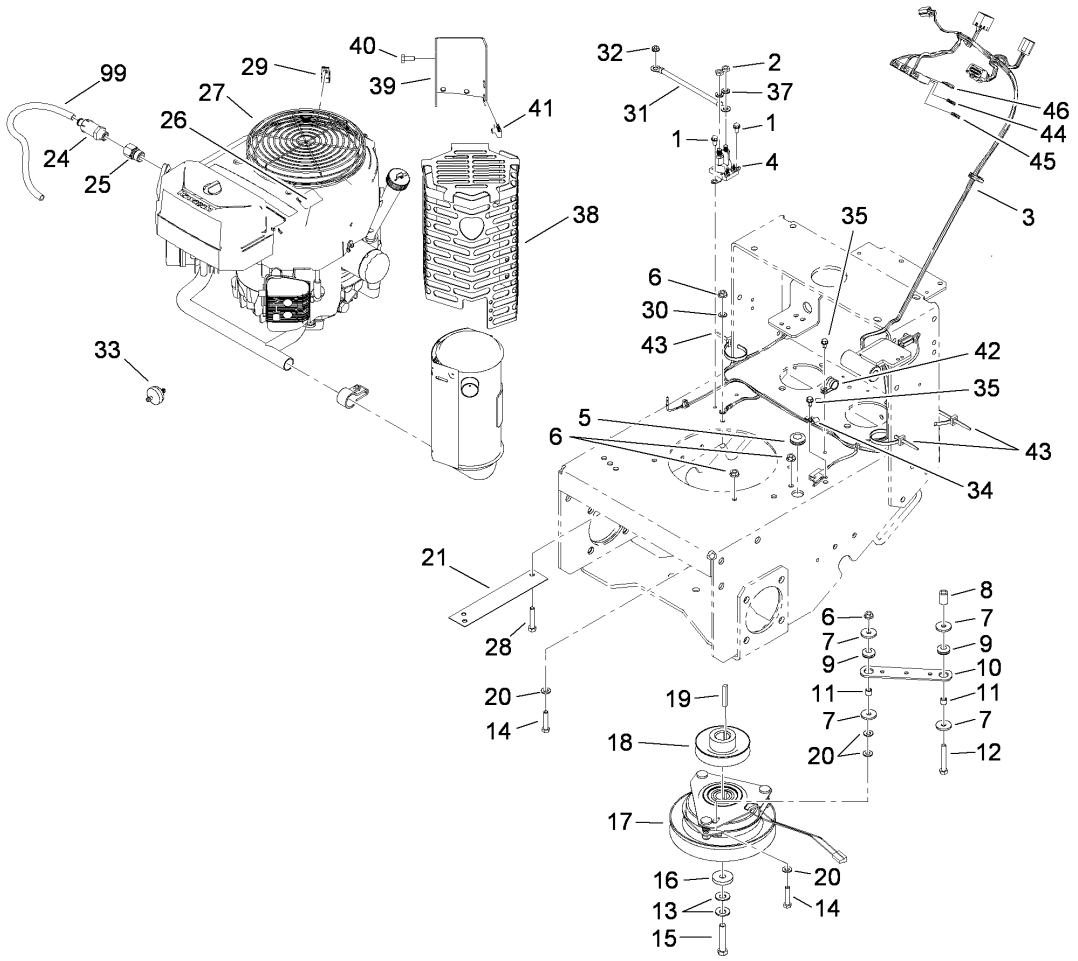
AR	as required
ASM	assembly
BBC	blade brake clutch
CARR	carriage
CCW	counter clock wise
CW	clockwise
DEG	degrees
ECM	electronic control module
EXT	external
FH	flat head
GA	gauge
HD	heavy-duty
HF	hex flange
HH	hex head
HHF	hex head flange
HHFTF	hex head flange thread forming
HJ	hex jam
HLH	hex lag head
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

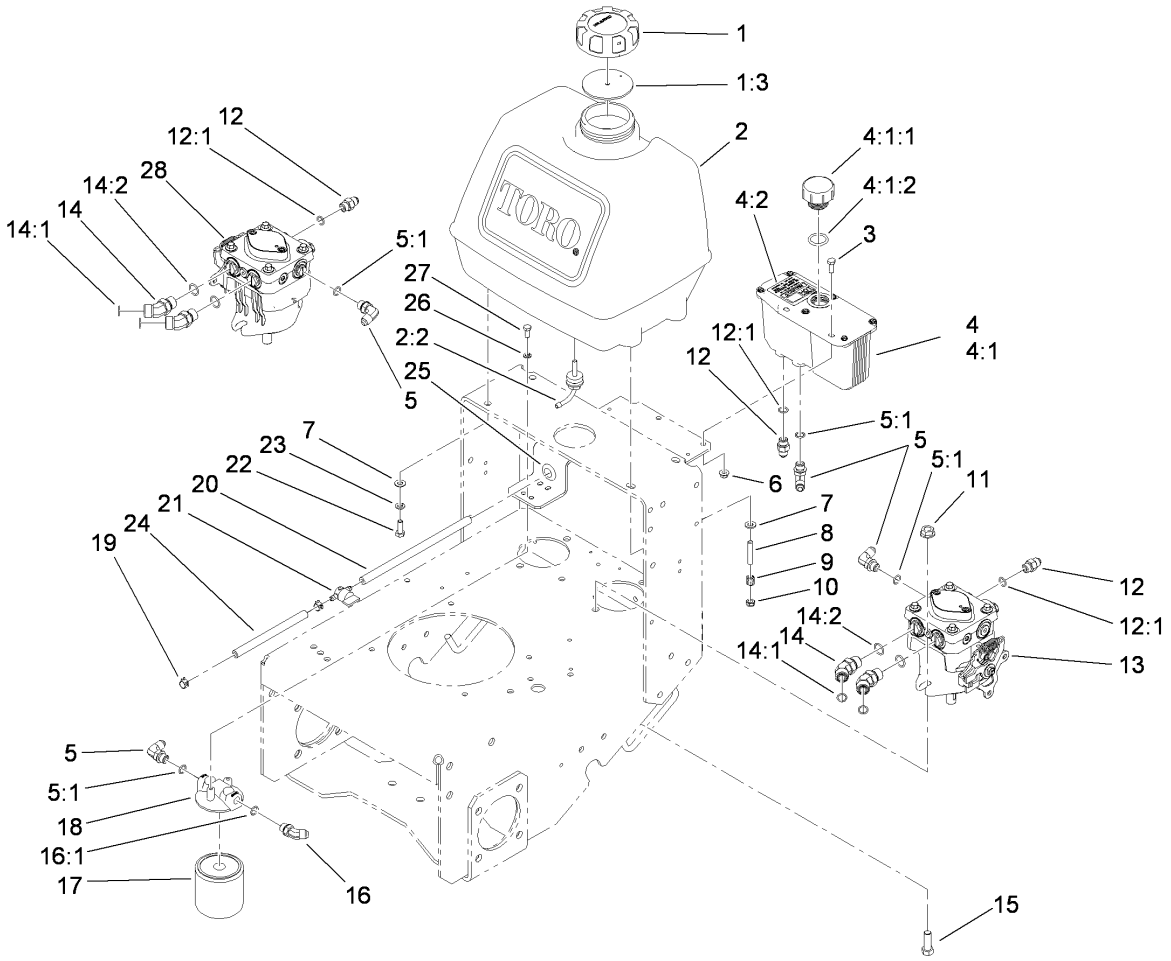
❸ Obtain parts from www.kawpowerepc.com



Engine and Clutch Assembly

Ref	Part No.	Qty.	Description
1	32144-4	2	Screw-HWH
2	3220-2	2	Nut-Jam
3	115-4191	1	Harness-Wire
4	1-513075	1	Switch-Solenoid
5	112-7069	1	Grommet
6	32128-20	6	Nut-HF
7	1-613235	4	Washer
8	104-6373	1	Tube-Retainer
9	1-633630	2	Grommet-Brake
10	1-633543-03	1	Strap-Clutch, Brake
11	1-633545	2	Spacer
12	322-11	1	Screw-HH
13	1-603610	2	Washer-Spring
14	322-7	4	Screw-HH
15	3212-9	1	Screw-HH
16	107-4136	1	Washer
17	105-2635	1	Clutch / Brake
18	44-5940	1	Pulley
19	608006	1	Key-Square
20	3256-23	5	Washer-Flat
21	94-5847-01	1	Cover-Pulley
24	92-6877	1	Valve-Drain, Oil
25	103-1966	1	Adapter
26	106-0699	1	Decal-Warning

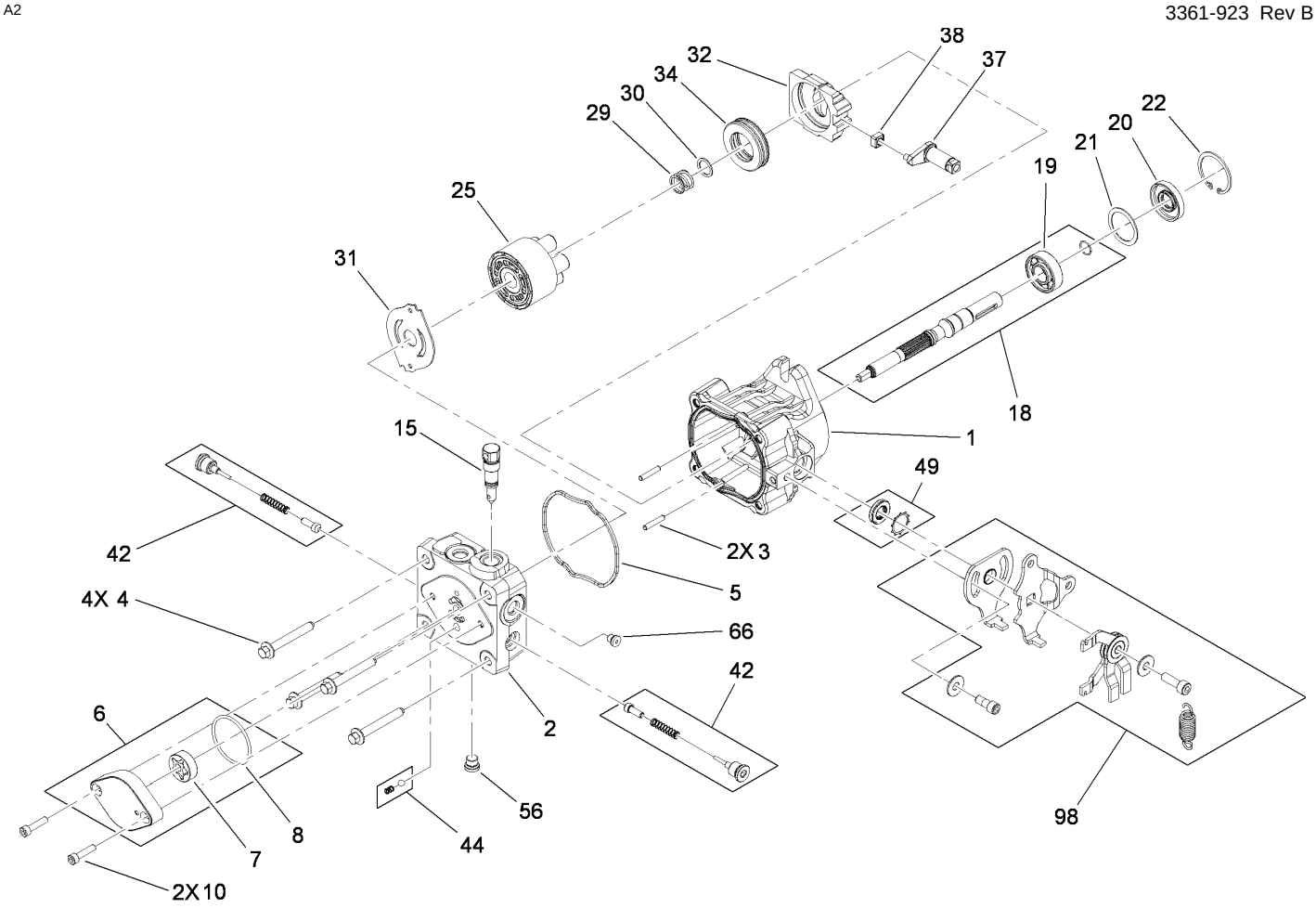
Ref	Part No.	Qty.	Description
❷❸27		1	Engine-Kawasaki, FH580V-Fs28
28	322-9	1	Screw-HH
29	2412-87	1	Clamp-Cable
30	3255-8	1	Washer-Lock
31	112-9707	1	Cable-Battery, Pos
32	32149-2	1	Nut-Keps
33	56-6360	1	Filter-Fuel
34	2412-72	1	Clip-Closed, Insulated
35	12-3270	2	Screw
37	3253-4	2	Washer-Lock
38	115-4150-03	1	Muffler Shield ASM
39	115-4154-03	1	Bracket-Muffler
40	322-3	4	Screw-HH
41	94-2413	4	U-Nut
42	2412-134	1	Clamp-R
43	3290-378	3	Tie-Cable
44	109102	1	Fuse-25 Amp
45	109103	1	Fuse-30 Amp
46	218-578	1	Fuse-10 Amp
99	103-1964	1	Hose-Drain, Oil



Fuel System, Hydraulic Pump and Filter Assembly

Ref	Part No.	Qty.	Description
1	88-3980	1	Gas Cap ASM
1:3	88-4010	1	Gasket-Cap, Gas
2	106-0730	1	Fuel Tank ASM
2:2	103-2605	1	Fitting-Fuel, Bulkhead
3	321-4	2	Screw-HH
4	107-8433	1	HYD Reservoir ASM
❷4:1		1	Reservoir-HYD
4:1:1	103-1948	1	Cap-Reservoir, HYD
4:1:2	103-1949	1	Gasket-Cap
4:2	115-4212	1	Decal-Warning
5	353-374	4	Elbow-90 DEG
5:1	237-42	1	O-Ring
6	32128-33	2	Nut-HF
7	3256-23	4	Washer-Flat
8	104-8121	2	Stud-Threaded
9	1-633349	2	Spring-Tank, Fuel
10	3296-47	2	Nut-Lock, NI
11	32128-42	4	Nut-HF
12	353-384	3	Fitting-Straight
12:1	237-42	1	O-Ring
13	115-4480	1	Pump-Hydraulic
14	340-101	4	Fitting-HYD, 45 DEG
14:1	237-30	1	O-Ring
14:2	237-79	1	O-Ring

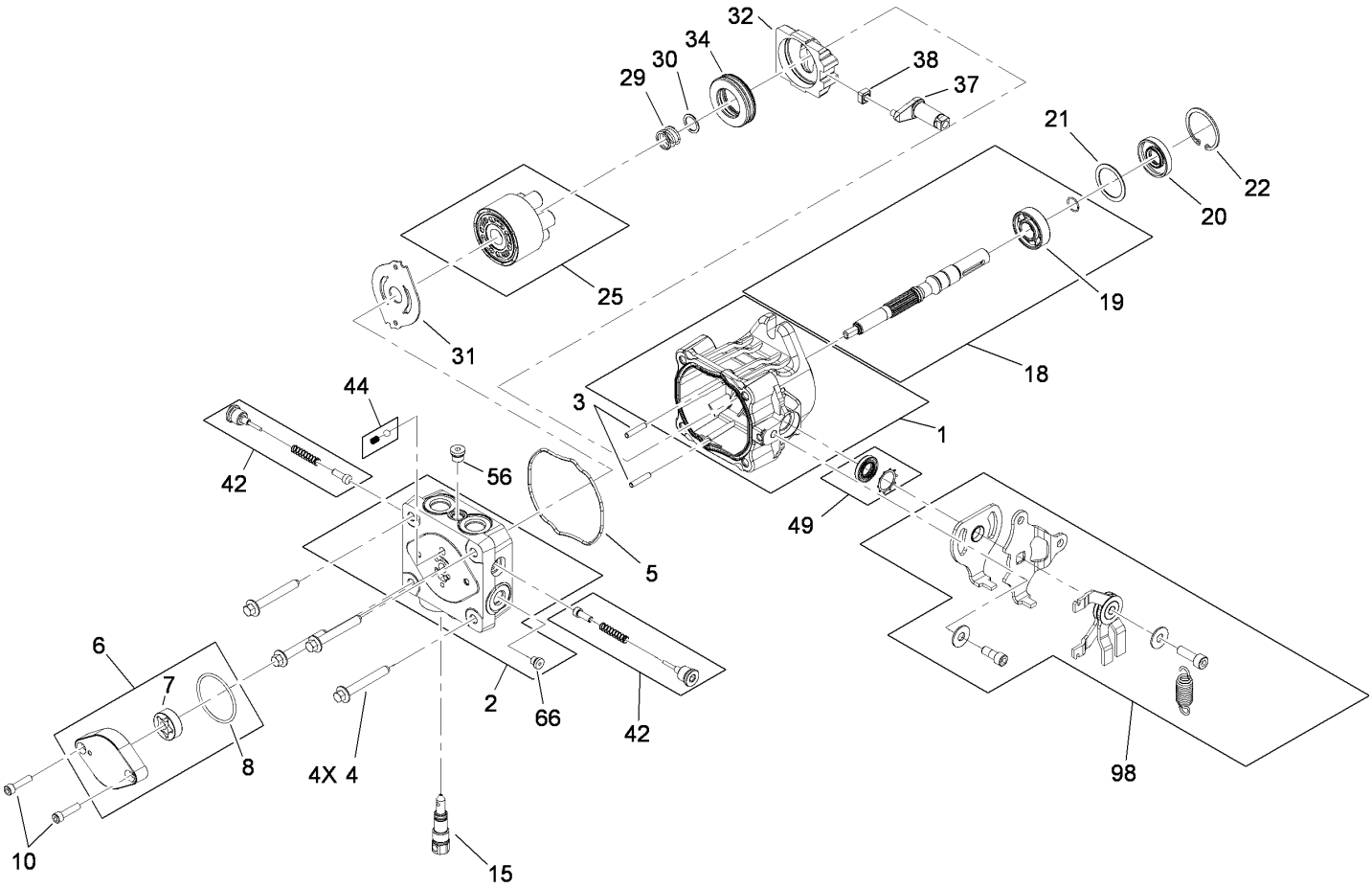
Ref	Part No.	Qty.	Description
15	324-5	4	Screw-HH
16	353-212	1	Fitting-HYD, 45 DEG
16:1	237-42	1	O-Ring
17	1-633750	1	Filter-Oil, HYD
17	1-633752	1	Filter-HYD, Winter
18	104-7836	1	Head-Filter
19	2412-98	4	Clamp
20	110-4894	1	Hose-Fuel
21	1-603770	1	Valve-Fuel
22	322-4	2	Screw-HH
23	3253-4	2	Washer-Lock
24	107-0588	1	Hose-Fuel
25	112-7069	1	Grommet
26	3253-3	2	Washer-Lock
27	321-3	2	Screw-HH
28	115-4481	1	Pump-Hydraulic



Hydraulic Pump Assembly No. 115-4480

Ref	Part No.	Qty.	Description
1	115-4464	1	Housing Kit
2	106-8752	1	End Cap Kit (W/Poppets)
3	106-8753	2	Pin-Headless, Straight
4	106-8754	4	Bolt-HF
5	106-8755	1	O-Ring
6	106-8756	1	Charge Pump Kit
7	104-2122	1	Gerotor ASM
8	106-8757	1	O-Ring
10	104-2111	2	Capscrew
15	106-8759	1	Bypass Valve Kit
18	103-2664	1	Input Shaft Kit
19	104-5311	1	Bearing-Ball
20	104-5310	1	Seal-Lip
21	104-5308	1	Spacer
22	104-5309	1	Ring-Retaining
25	103-2666	1	Cylinder Block Kit
29	94-1936	1	Spring-Block
30	94-1937	1	Washer-Thrust, Block
31	105-6185	1	Plate-Valve
32	94-1907	1	Swashplate-Variable
34	94-6922	1	Bearing-Thrust
37	115-4458	1	Arm-Trunnion, Tapered Square
38	94-1910	1	Guide-Slot
42	98-3252	2	Valve-Check (W/Poppet)

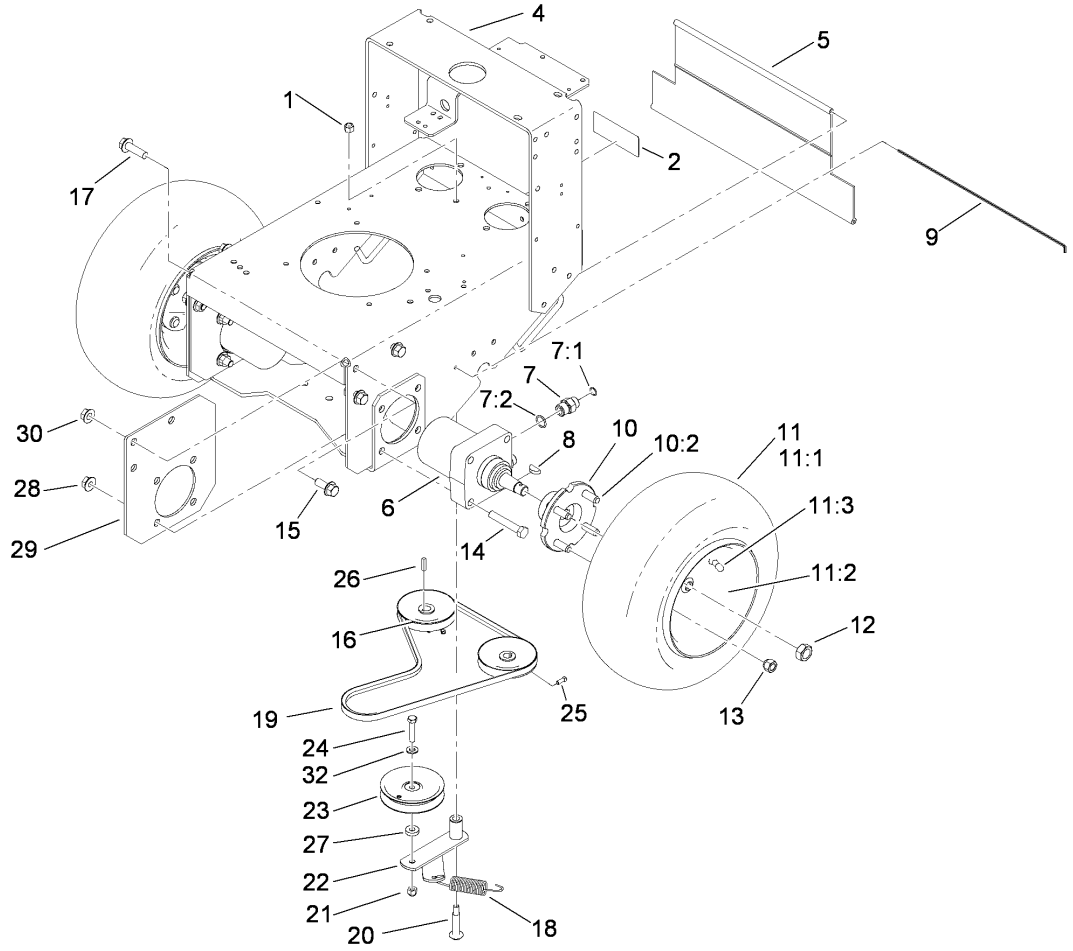
Ref	Part No.	Qty.	Description
44	106-8760	1	Charge Relief Valve Kit
49	114-8155	1	Trunnion Seal Kit
56	106-8762	1	Plug-HSH
66	106-8763	1	Plug-HSH
98	115-4459	1	Kit-Return
❶99	105-6184	1	Seal Overhaul Kit



Hydraulic Pump Assembly No. 115-4481

Ref	Part No.	Qty.	Description
1	115-4464	1	Housing Kit
2	106-8752	1	End Cap Kit (W/Poppets)
3	106-8753	2	Pin-Headless, Straight
4	106-8754	4	Bolt-HF
5	106-8755	1	O-Ring
6	106-8756	1	Charge Pump Kit
7	104-2122	1	Gerotor ASM
8	106-8757	1	O-Ring
10	104-2111	2	Capscrew
15	106-8759	1	Bypass Valve Kit
18	103-2664	1	Input Shaft Kit
19	104-5311	1	Bearing-Ball
20	104-5310	1	Seal-Lip
21	104-5308	1	Spacer
22	104-5309	1	Ring-Retaining
25	103-2666	1	Cylinder Block Kit
29	94-1936	1	Spring-Block
30	94-1937	1	Washer-Thrust, Block
31	105-6185	1	Plate-Valve
32	94-1907	1	Swashplate-Variable
34	94-6922	1	Bearing-Thrust
37	115-4458	1	Arm-Trunnion, Tapered Square
38	94-1910	1	Guide-Slot
42	98-3252	2	Valve-Check (W/Poppet)

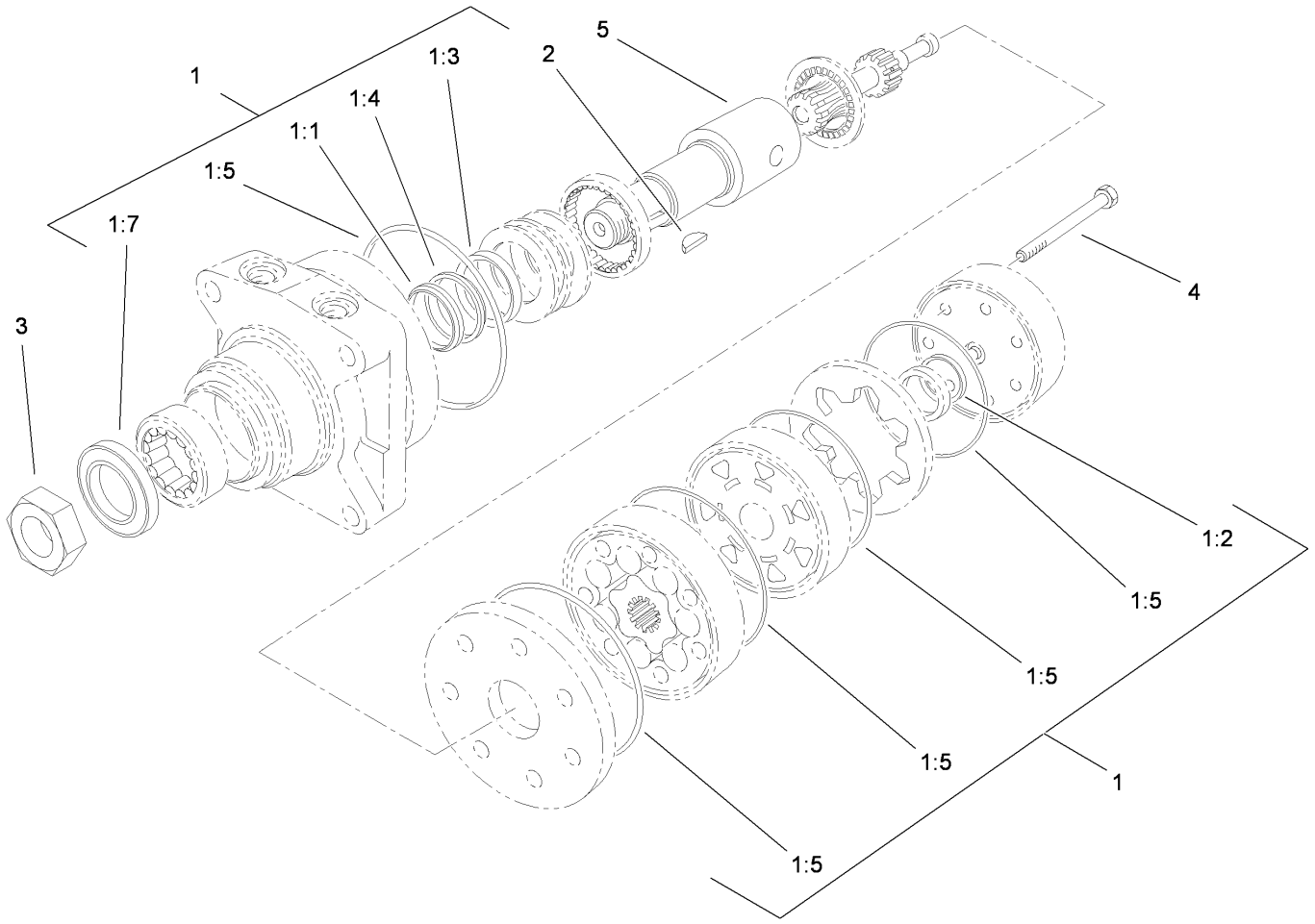
Ref	Part No.	Qty.	Description
44	106-8760	1	Charge Relief Valve Kit
49	114-8155	1	Trunnion Seal Kit
56	106-8762	1	Plug-HSH
66	106-8763	1	Plug-HSH
98	115-4459	1	Kit-Return
❶99	105-6184	1	Seal Overhaul Kit



Pump Drive and Wheel Assembly

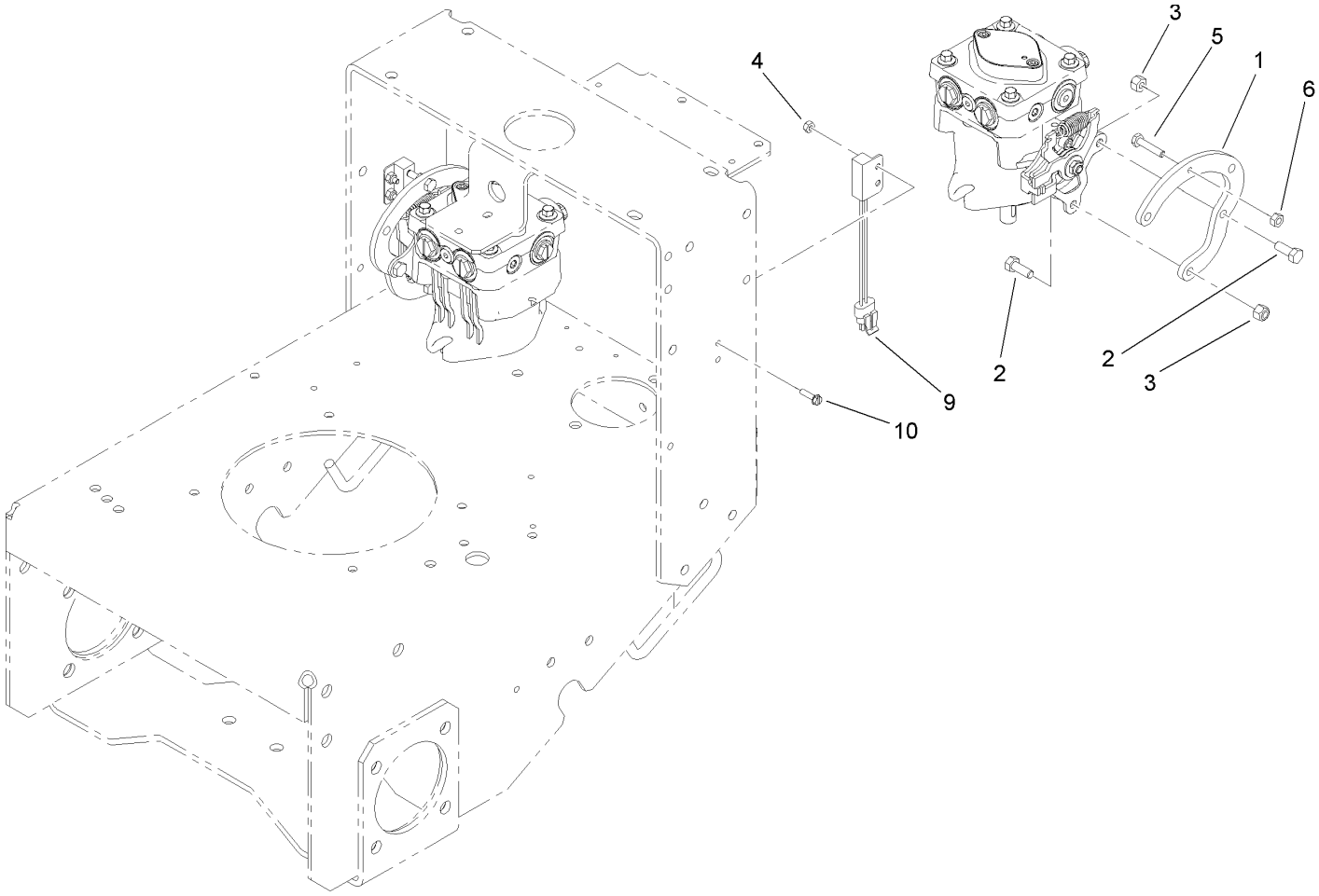
Ref	Part No.	Qty.	Description
1	3296-6	1	Nut-Lock
2	98-0776	1	Decal-Caution
4	114-0222-01	1	Frame ASM
5	95-1526	1	Shield-Trailing
6	104-1171	2	Motor-Wheel
7	340-6	4	Fitting-HYD, Straight
7:1	237-30	1	O-Ring
7:2	237-80	1	O-Ring
8	3257-8	2	Key-Woodruff
9	95-1529	1	Rod-Shield
10	105-0800	2	Wheel Hub / Stud ASM
10:2	10-6830	4	Stud-Type, Drive
11	104-1198	2	Wheel And Tire ASM
11:1	104-6320	1	Tire
11:2	104-1199	1	Wheel
11:3	232-27	1	Stem-Valve
12	85-7310	2	Nut-Motor, Wheel
13	242-50	8	Nut-Lug
14	325-12	8	Screw-HH
15	3234-32	4	Screw-HHF
16	105-5648	2	Pulley-Pump
17	3234-22	2	Screw-HHF
18	68-9950	1	Spring-Traction
19	110-5049	1	Belt-V

Ref	Part No.	Qty.	Description
20	27-6230	1	Bolt-Wheel
21	3296-39	1	Nut-Lock, NI
22	86-4770	1	Idler Lever ASM
23	93-1622	1	Pulley-Idler
24	323-9	1	Screw-HH
25	3241-5	4	Screw-Set
26	1-807272	2	Key
27	9202204	1	Washer
28	32128-49	8	Nut-HHF
29	108-6657-01	2	Plate-Frame
30	32128-23	6	Nut-HF
32	3256-24	1	Washer-Flat



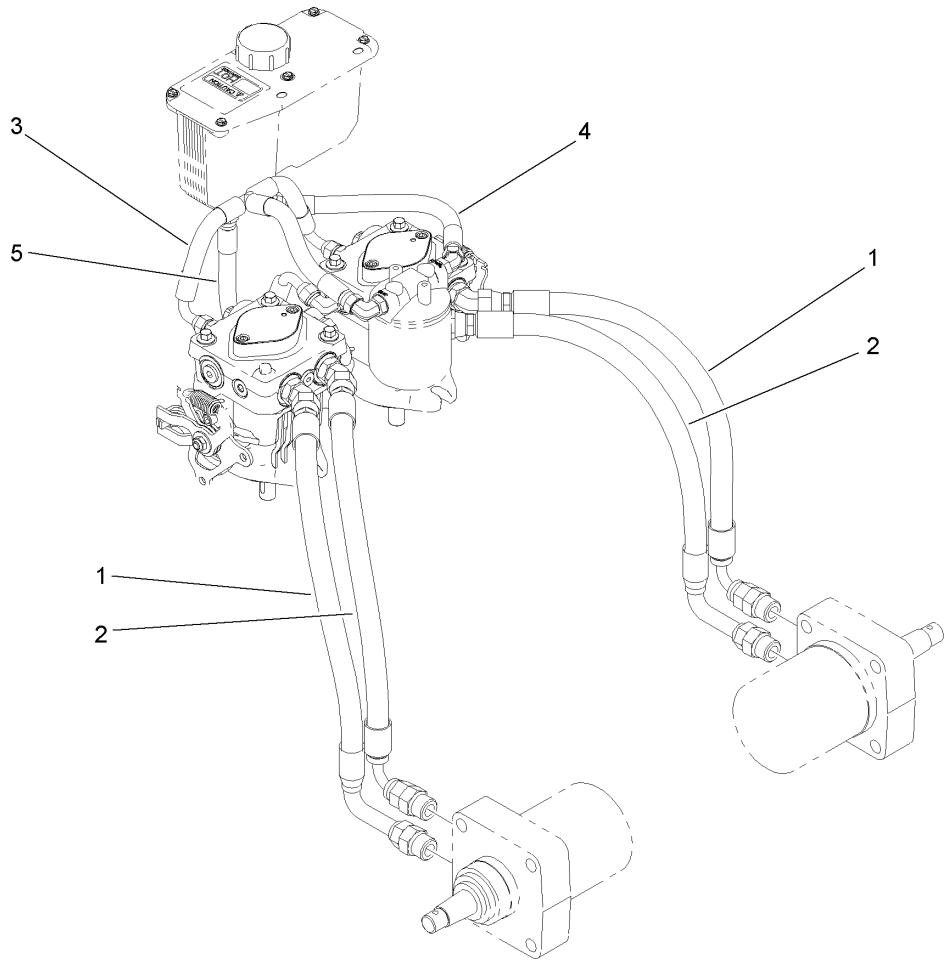
Hydraulic Motor Assembly 104-1171

Ref	Part No.	Qty.	Description
1	1-000119	1	Seal Kit
❷1:1		1	Ring-Back Up
❷1:2		1	Seal-Commutator
❷1:3		1	Seal-Shaft (Viton)
❷1:4		1	Washer-Back Up, Steel
❷1:5		5	Ring-Seal (Viton)
❷1:7		1	Seal-Dirt And Water
2	3257-8	1	Key-Woodruff
3	85-7310	1	Nut-Motor, Wheel
4	106-5549	6	Bolt-Special
5	106-8764	1	Shaft-Coupling



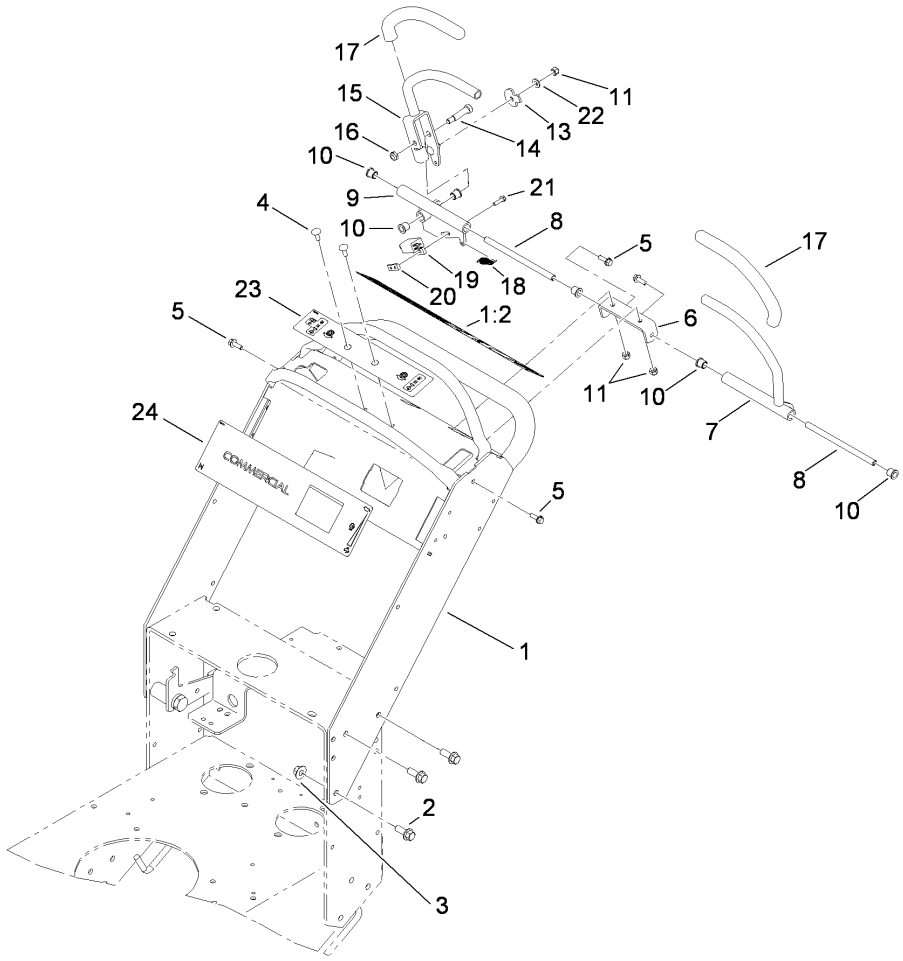
Lower Control Assembly

Ref	Part No.	Qty.	Description
1	114-0227	2	Bracket-Adapter, Pump
2	322-4	4	Screw-HH
3	3296-29	4	Nut-Lock, NI
4	3296-2	4	Nut-Lock, NI
5	114-0282	2	Screw-HH
6	3217-5	2	Nut-Hex
9	105-0023	2	Switch-Proximity
10	32105-13	4	Screw-HWH



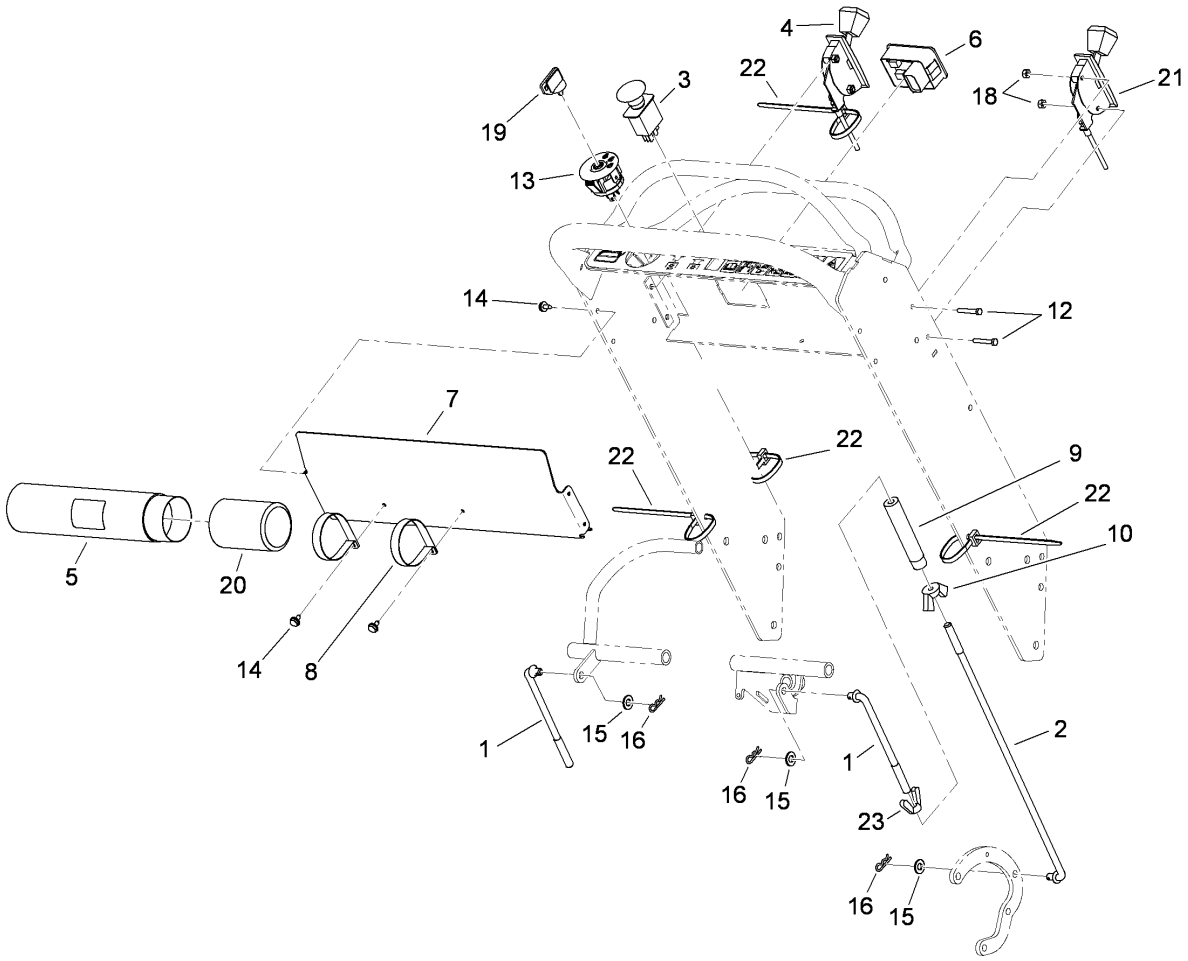
Hydraulic Hose Assembly

Ref	Part No.	Qty.	Description
1	112-9704	2	HYD Hose ASM
2	114-3430	2	HYD Hose ASM
3	114-3436	1	HYD Hose ASM
4	105-5699	1	HYD Hose ASM
5	114-3434	1	HYD Hose ASM



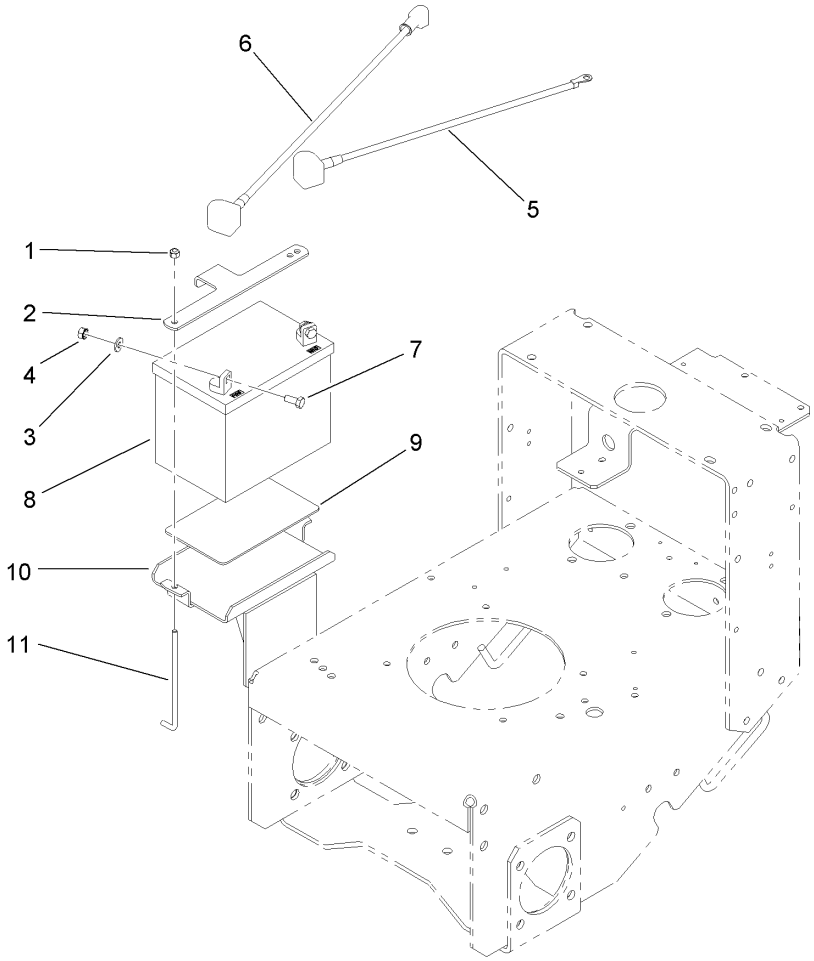
Upper Control Assembly

Ref	Part No.	Qty.	Description
1	115-4200	1	T-Bar Handle ASM
1:2	115-4179	1	Decal-Warning, Control
2	3234-42	6	Screw-HHF
3	32128-43	6	Nut-Flange
4	3229-1	2	Screw-CARR
5	3234-4	4	Screw-HHF
6	114-0235	1	Bracket-Support
7	114-0272-03	1	Control Lever ASM
8	114-0260	2	Shaft-Pivot
9	114-0234	1	Motion Control ASM
10	103-9928	6	Bearing
11	3296-42	3	Nut-Lock, NI
13	114-0268	1	Cam-Lever, Handle Stop
14	114-0239	1	Screw-HSH
15	114-0238-03	1	Lever ASM
16	3296-47	1	Nut-Lock, NI
17	114-0241	2	Grip-Lever
18	114-0249	1	Spring-Extension
19	1-513152	1	Switch-Closed, Normally
20	1-633181	1	Plate-Tapped
21	32105-13	2	Screw-HWH
22	3256-22	1	Washer-Flat
23	114-3424	1	Decal-Control
24	115-4189	1	Decal-Panel, Control



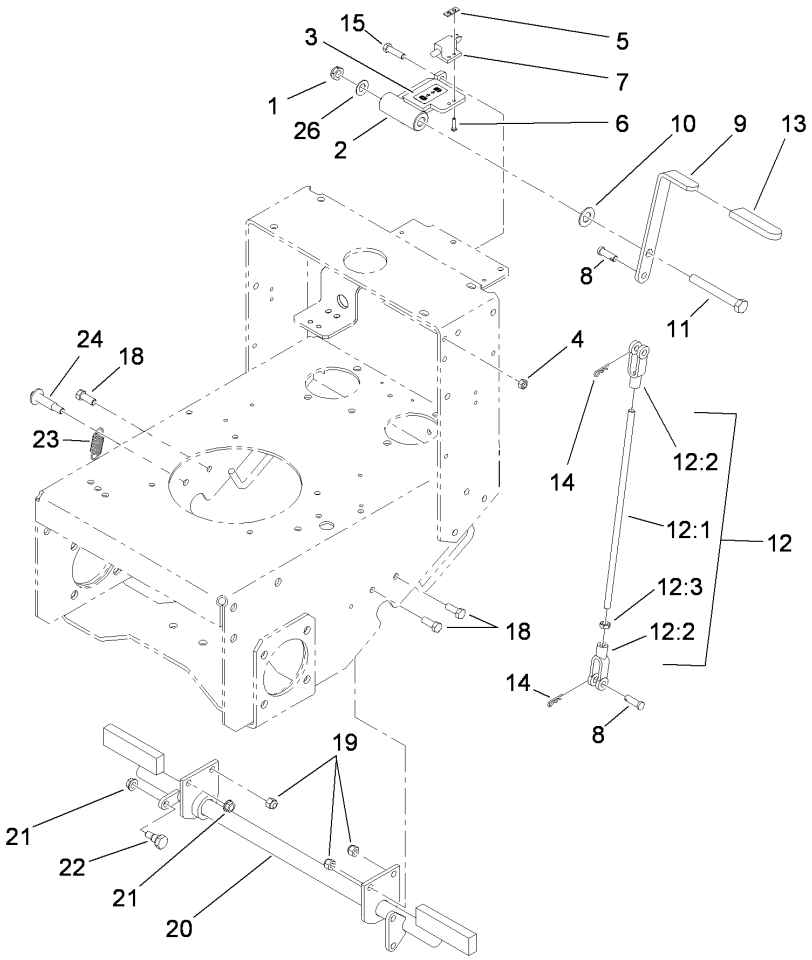
Control Panel Assembly

Ref	Part No.	Qty.	Description
1	114-0275	2	Rod-Control, Upper
2	114-0276	2	Rod-Control, Lower
3	114-0279	1	Switch-PTO
4	110-4994	1	Cable-Throttle
5	104-7050	1	Tube-Manual
6	115-4180	1	Module-Meter, Hour
7	114-0270-03	1	Cover-Panel, Control
8	2412-120	2	R-Clamp
9	95-1504	2	Turnbuckle
10	32103-3	2	Nut-Wing
12	3290-360	4	Screw-HH
13	116-0050	1	Switch-Ignition
14	32104-76	6	Screw
15	3256-23	4	Washer-Flat
16	3290-307	4	Pin-Hair
18	3296-2	4	Nut-Lock, NI
19	63-8360	1	Key-Ignition
20	104-7048	1	Cap-Housing
21	110-4995	1	Cable-Choke
22	3290-378	4	Tie-Cable
23	114-0281	2	Nut-Wing, LH



Battery Assembly

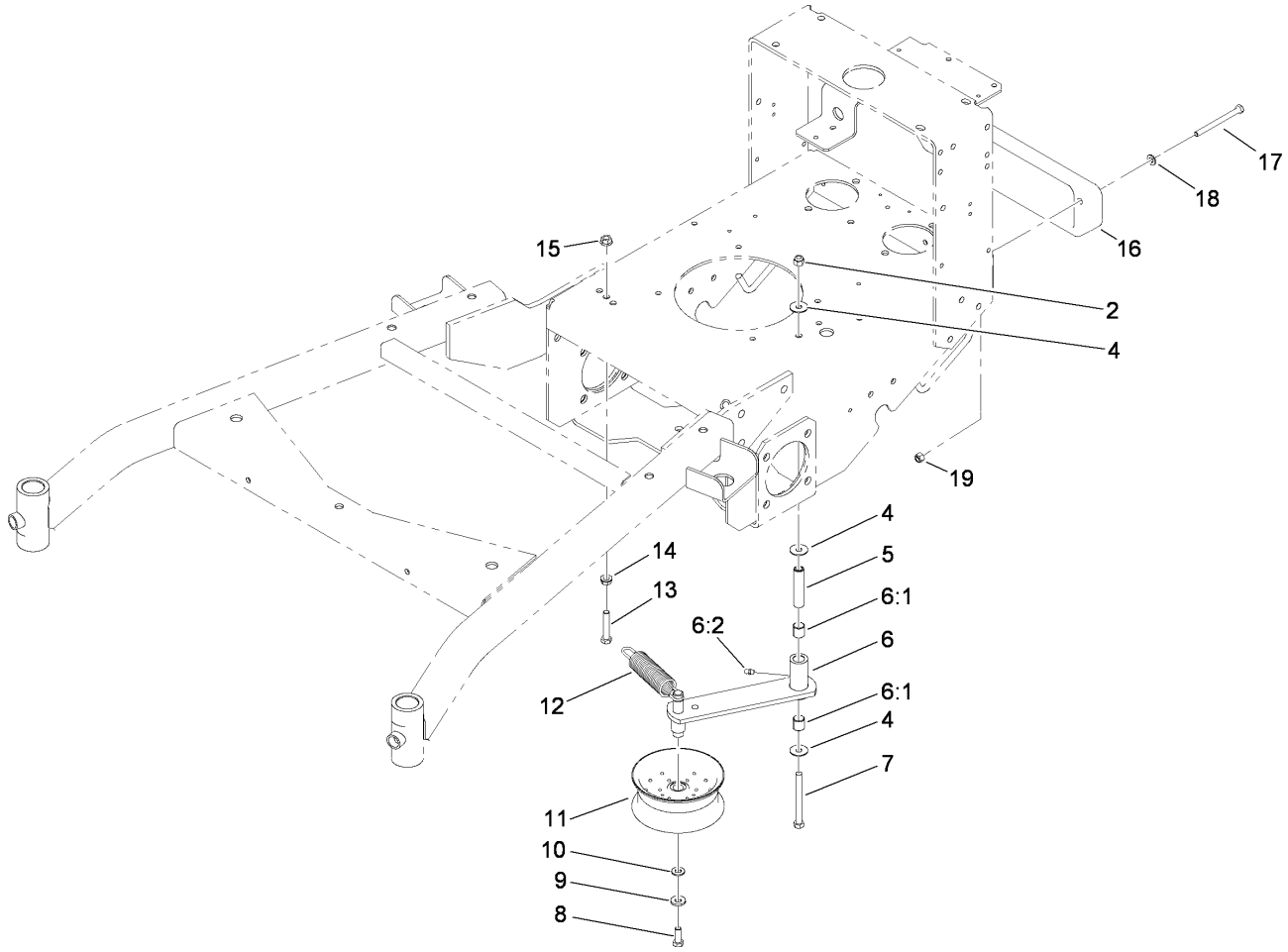
Ref	Part No.	Qty.	Description
1	3296-42	2	Nut-Lock, NI
2	104-8568-03	1	Plate-Hold Down, Battery
3	3256-2	2	Washer-Flat
4	32149-1	2	Nut-Keps
5	112-9709	1	Cable-Battery, Black
6	112-9708	1	Cable-Battery, Red
7	322-3	2	Screw-HH
8	104-8162	1	Battery
9	62-4300	1	Pad-Skid, Anti
10	105-3150-01	1	Battery Tray ASM
11	104-8567	2	Holdown-Battery



Parking Brake Assembly

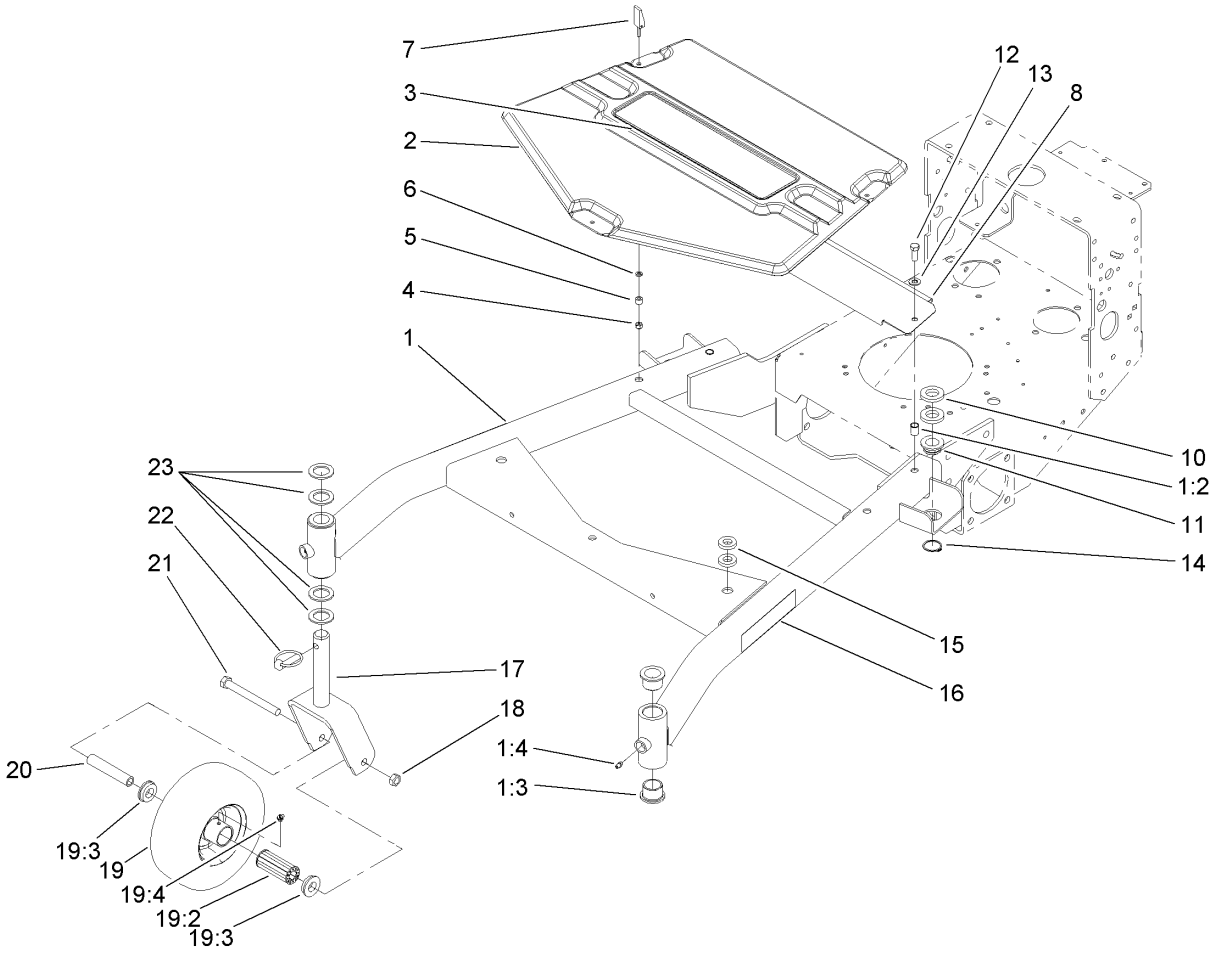
Ref	Part No.	Qty.	Description
1	3296-45	1	Nut-Lock, NI
2	112-8716-01	1	Support-Handle
3	112-8720	1	Decal-Brake
4	3296-29	2	Nut-Lock, NI
5	1-633181	1	Plate-Tapped
6	32105-13	2	Screw-HWH
7	1-513152	1	Switch-Closed, Normally
8	1-808285	2	Pin-Clevis
9	106-0671-01	1	Handle-Brake
10	257-7	1	Bearing-Thrust
11	325-17	1	Screw-HH
12	115-1465	1	Brake Rod ASM
12:1	108-2747	1	Rod-Brake
12:2	1-633131	2	Yoke-Linkage, Brake
12:3	3219-3	1	Nut-Hex
13	1-303020	1	Grip-Lever
14	3290-307	2	Pin-Hair
15	322-6	2	Screw-HH
18	323-6	3	Screw-HH
19	3296-39	3	Nut-Lock, NI
20	110-4976-01	1	Parking Brake ASM
21	3290-357	2	Nut-HHF, Whiz
22	27-5240	1	Bolt-Shoulder
23	613386	1	Spring-Brake

Ref	Part No.	Qty.	Description
24	56-6590	1	Bolt-Wheel
26	112-9972	1	Washer-Conical, Spring



Power-Take-Off Idler and Weight Assembly

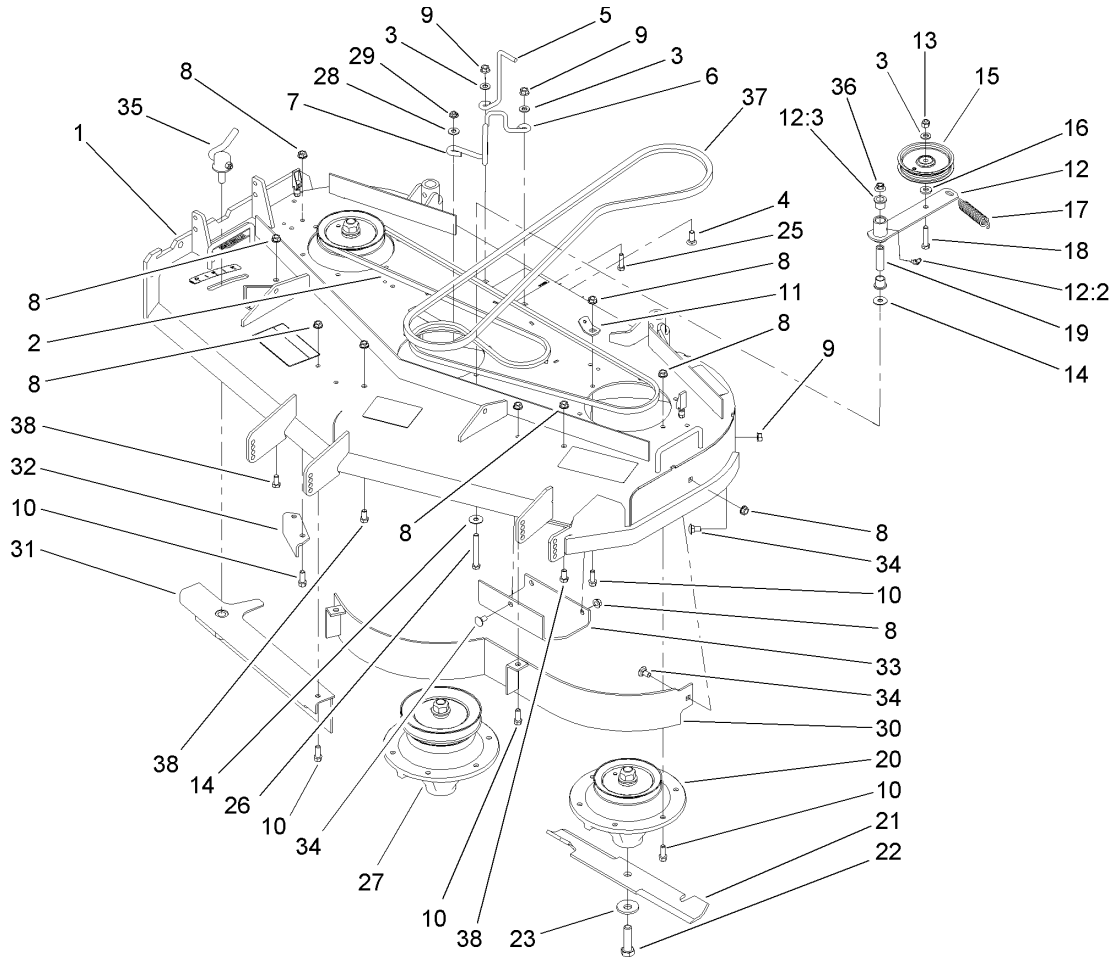
Ref	Part No.	Qty.	Description
2	3296-39	1	Nut-Lock, NI
4	52-2860	3	Washer
5	104-6377	1	Tube-Idler
6	108-2734	1	Idler Arm ASM
6:1	1-513034	2	Sleeve-Bearing
6:2	302-5	1	Fitting-Grease
7	323-42	1	Screw-HH
8	323-6	1	Screw-HH
9	98-5975	1	Washer-Belleville
10	3256-24	1	Washer-Flat
11	1-413099	1	Pulley-Idler
12	105-8443	1	Spring-Extension
13	323-10	1	Screw-HH
14	3290-357	1	Nut-HHF, Whiz
15	32128-21	1	Nut-HF
16	112-7059-01	1	Weight-Cast
17	322-9	2	Screw-HH
18	3256-23	2	Washer-Flat
19	3296-29	2	Nut-Lock, NI



Carrier Frame Assembly

Ref	Part No.	Qty.	Description
1	108-2665	1	Carrier Frame ASM
1:2	32148-9	2	Insert-Nut
1:3	94-1291	4	Bushing
1:4	302-5	2	Fitting-Grease
2	108-6625	1	Cover-Frame, Carrier
3	112-9712	1	Decal
4	1-804254	3	Nut
5	106-6778	3	Bushing-Latch, Swell
6	99-3058	3	Washer
7	106-6777	3	Handle-Latch, Swell
8	112-7051-01	1	Shield-Belt
10	104-1105	4	Spacer-Support, Deck
11	1-513336	2	Bushing-Deck
12	323-6	2	Screw-HH
13	3256-24	2	Washer-Flat
14	32120-33	2	Ring-Retaining
15	1-323539	4	Spacer
16	106-0635	2	Decal-HOC
17	105-3159-01	2	Castor Fork ASM
18	32153-5	2	Nut-Lock, Side
19	110-5024	2	Wheel And Tire ASM
19:2	112-7066	1	Bearing-Roller
19:3	1-513810	2	Bushing
19:4	302-61	1	Zerk

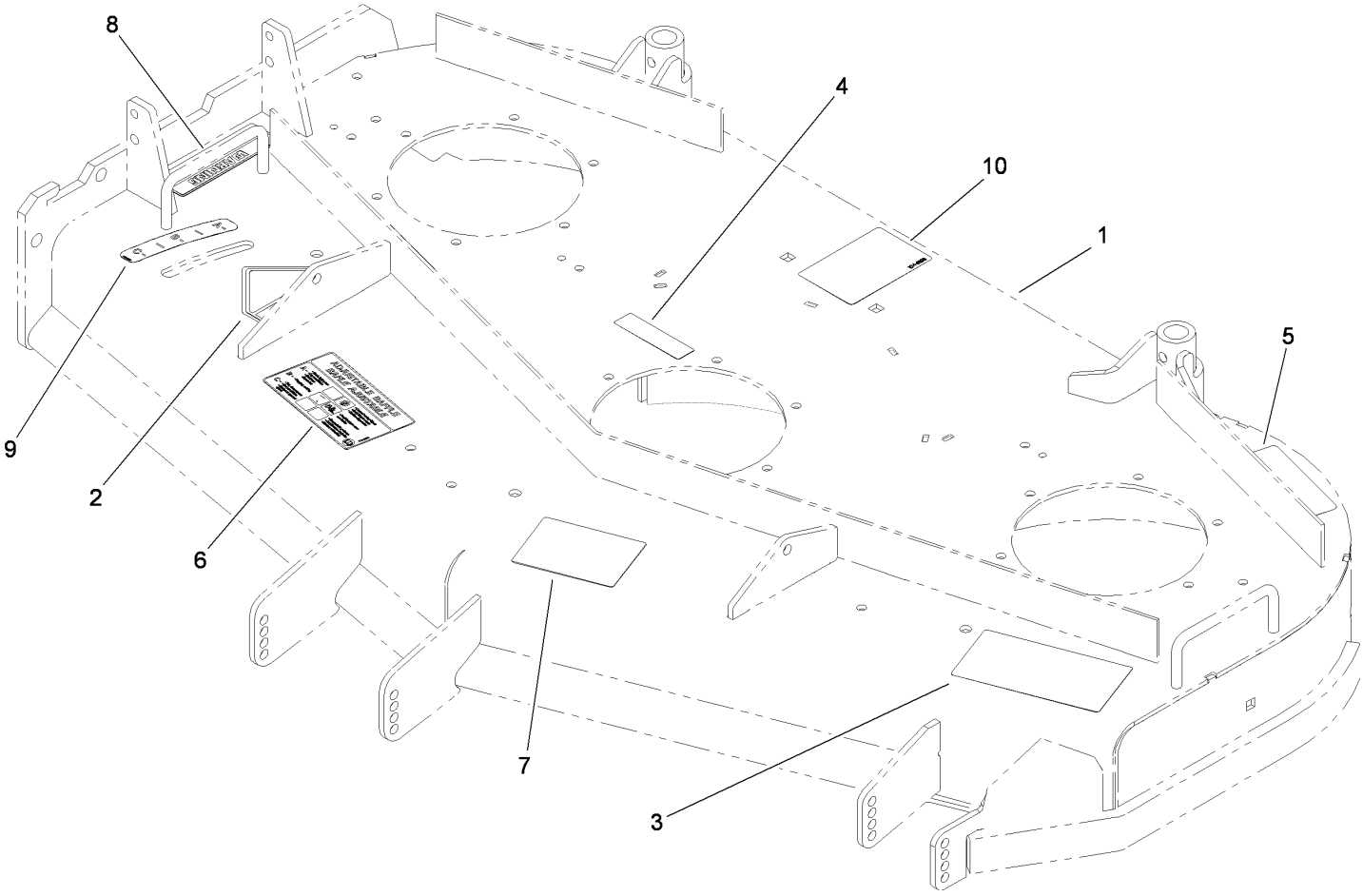
Ref	Part No.	Qty.	Description
20	100-6453	2	Bushing-Spanner
21	325-19	2	Screw-HH
22	283-71	2	Pin-Lynch
23	3-6781	8	Washer-Thrust



Deck Drive and Baffle Assembly

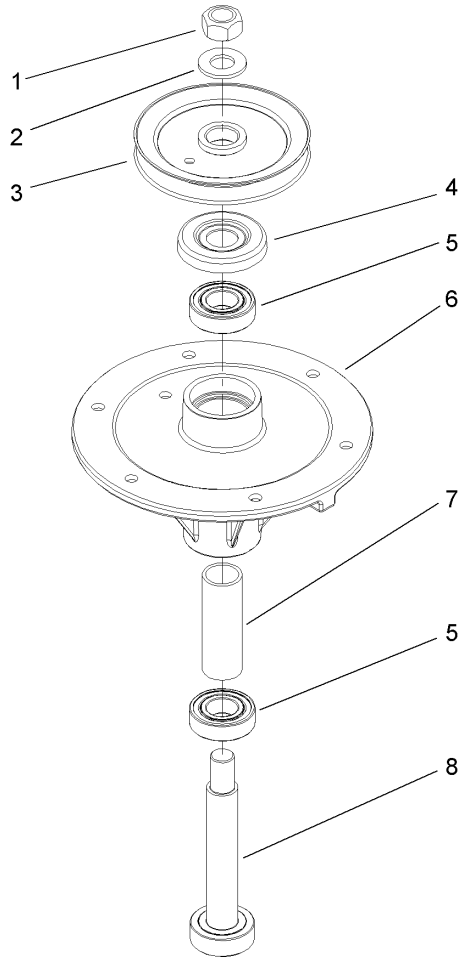
Ref	Part No.	Qty.	Description
1	112-7082	1	Deck ASM
2	108-2716	1	Belt-V
3	3256-24	3	Washer-Flat
4	3231-22	2	Screw-CARR
5	98-5980	1	Guide-Belt
6	110-6975	1	Guide-Belt
7	105-0850	1	Guide-Belt
8	3290-357	29	Nut-HHF, Whiz
9	32128-21	5	Nut-HF
10	92-1624	22	Screw-HWH
11	104-6374	1	Plate-Spring
12	108-2728	1	Idler Arm ASM
12:2	302-11	1	Fitting-Lube, 45 DEG
12:3	256-90	2	Bushing-Flange
13	3296-39	1	Nut-Lock, NI
14	52-2860	2	Washer
15	93-1622	1	Pulley-Idler
16	9202414	1	Washer-Spacer
17	51-3650	1	Spring-Extension
18	323-9	1	Screw-HH
19	112-7091	1	Spacer
20	110-0728	2	Spindle ASM
21	107-3192-03	3	Blade-16.5 Inch (High Flow)
22	51-4060	3	Screw-Blade

Ref	Part No.	Qty.	Description
23	103-0865	3	Washer-Blade Bolt, Heavy
25	322-6	1	Screw-HH
26	323-14	1	Screw-HH
27	110-0729	1	Spindle ASM
28	3256-3	1	Washer-Flat
29	32128-13	1	Nut-HF
30	110-0735-03	1	Baffle ASM
31	108-6698-03	1	Adjustable Baffle ASM
32	110-0744-01	1	Baffle-Discharge
33	107-3166-01	1	Skid
34	3231-1	7	Screw-CARR
35	107-1664	1	Lever ASM
36	32128-19	1	Nut-HF
37	108-2715	1	Belt-V
38	323-4	3	Screw-HH



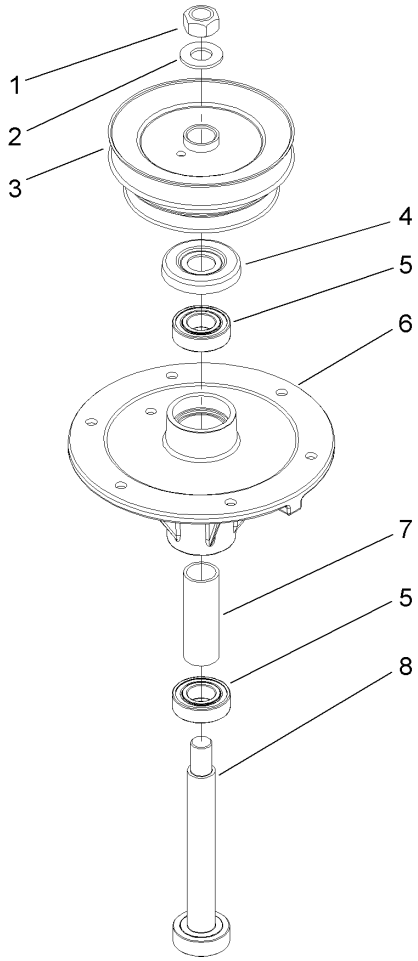
Deck Assembly No. 112-7082

Ref	Part No.	Qty.	Description
❷1		1	48 Inch Deck ASM
2	43-8480	1	Decal-Danger
3	66-1340	1	Decal-Danger, Thrown Object
4	98-5954	3	Decal-Cover, Missing
5	68-8340	1	Decal-Torque
6	110-2068	1	Decal-Adjustment, Baffle
7	105-7798	1	Decal-Scalp, Anti
8	104-8569	1	Decal-Warning
9	110-2067	1	Decal-Setting, Baffle
10	104-8186	1	Decal-Routing, Belt



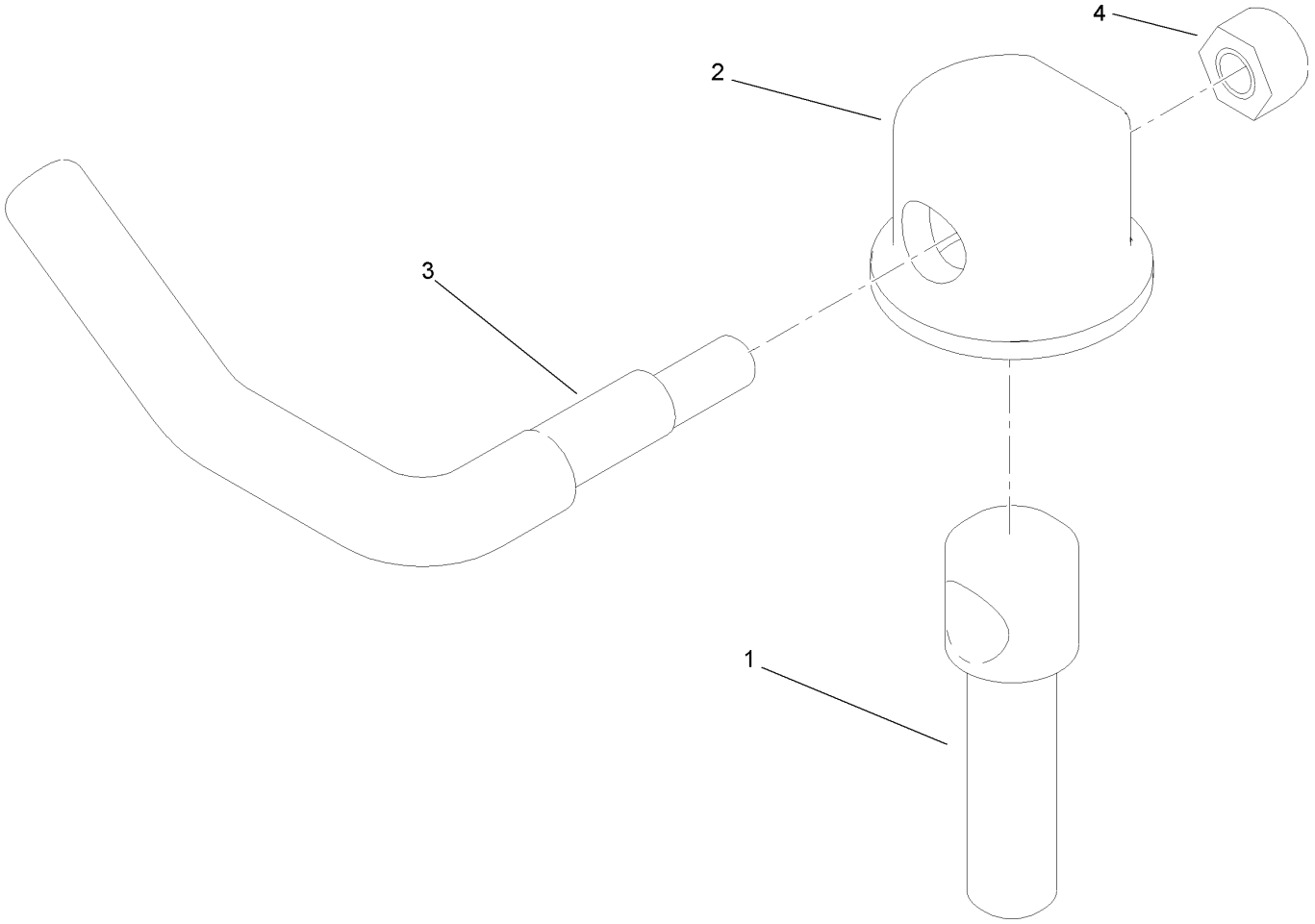
Spindle Assembly No. 110-0728

Ref	Part No.	Qty.	Description
1	3219-7	1	Nut-Hex
2	7-4150	1	Washer
3	104-1181	1	Pulley ASM
4	106-0873	1	Shield-Bearing
5	104-6325	2	Bearing-Ball
6	108-6696	1	Housing-Spindle
7	110-0727	1	Spacer-Bearing
8	110-0726	1	Shaft-Spindle



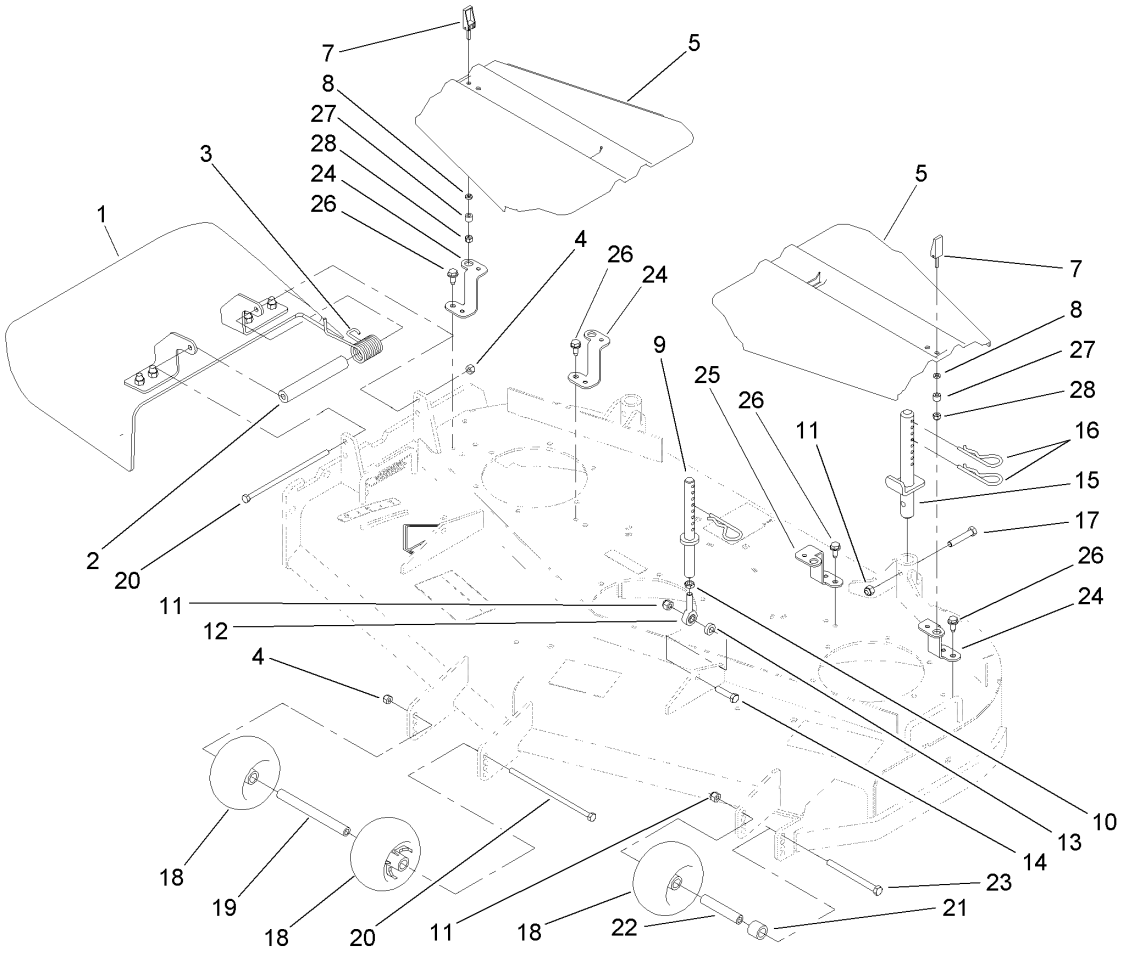
Spindle Assembly No. 110-0729

Ref	Part No.	Qty.	Description
1	3219-7	1	Nut-Hex
2	7-4150	1	Washer
3	108-2713	1	Pulley And Hub ASM
4	106-0873	1	Shield-Bearing
5	104-6325	2	Bearing-Ball
6	108-6696	1	Housing-Spindle
7	110-0727	1	Spacer-Bearing
8	110-0725	1	Shaft-Spindle



Lever Assembly No. 107-1664

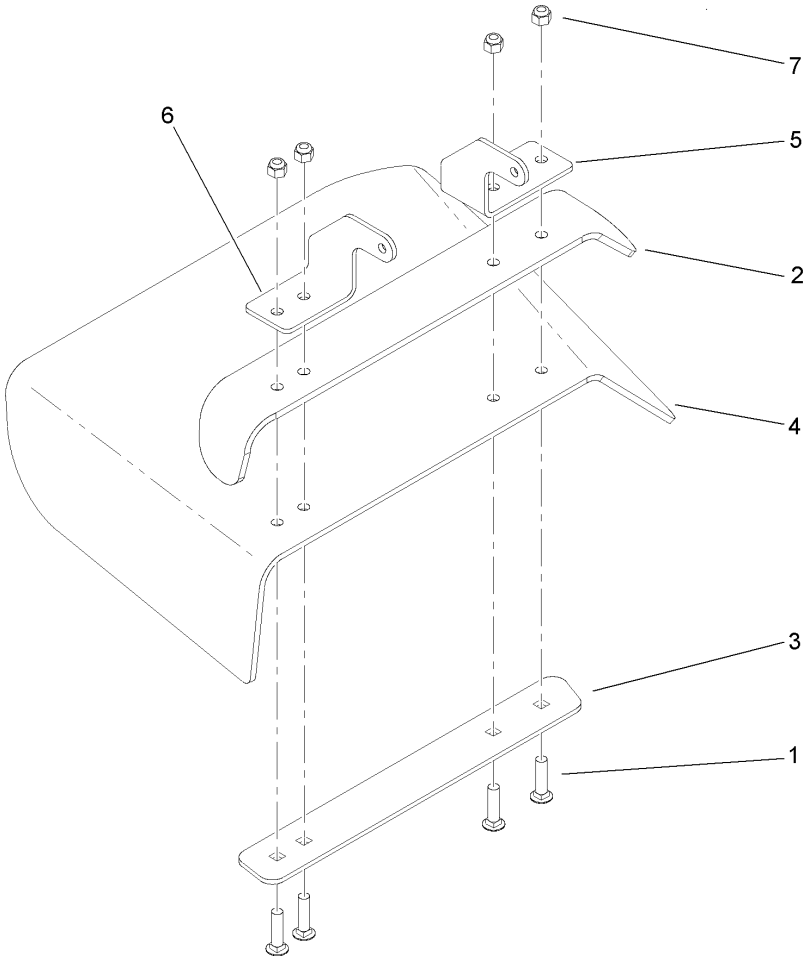
Ref	Part No.	Qty.	Description
1	106-3239	1	Screw-Lock
2	107-1644	1	Cap-Lock
3	106-3241	1	Lever-Lock
4	3296-29	1	Nut-Lock, NI



Deck Assembly

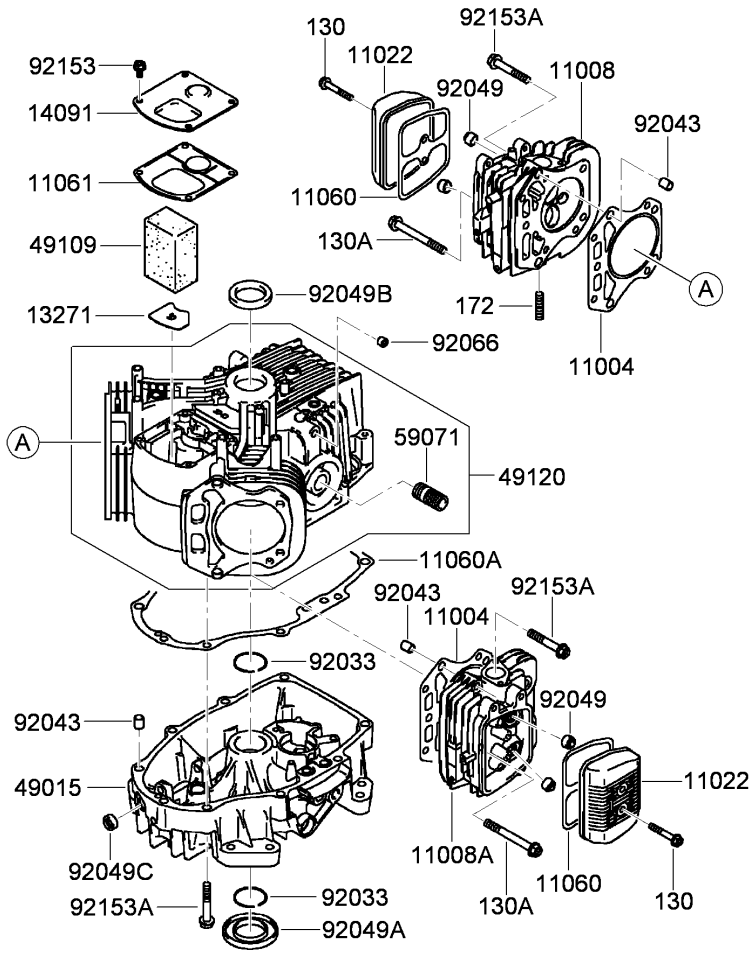
Ref	Part No.	Qty.	Description
1	110-0758	1	Deflector ASM
2	105-4622	1	Spacer
3	104-8554	1	Spring-Torsion
4	3296-29	2	Nut-Lock, NI
5	107-8536	2	Cover-Belt
7	106-6777	2	Handle-Latch, Swell
8	99-3058	2	Washer
9	108-2674	2	Front Pin ASM
10	3220-3	2	Nut-HJ
11	3296-39	5	Nut-Lock, NI
12	1-613204	2	Balljoint
13	104-1156	2	Spacer
14	323-8	2	Screw-HH
15	110-2086	2	Rear Pin ASM
16	3290-256	6	Pin-Hair
17	323-10	2	Screw-HH
18	1-603299	3	Roller-Scalp, Anti
19	98-5967	1	Spacer-Wheel
20	322-50	2	Screw-HH
21	98-7913	1	Tube-Spacer
22	98-7912	1	Tube-Spanner
23	323-23	1	Screw-HH
24	108-2698-01	3	Bracket-Cover
25	108-2699-01	1	Bracket-Cover

Ref	Part No.	Qty.	Description
26	32144-70	4	Screw-HWHTF
27	106-6778	2	Bushing-Latch, Swell
28	1-804254	2	Nut



Deflector Assembly No. 110-0758

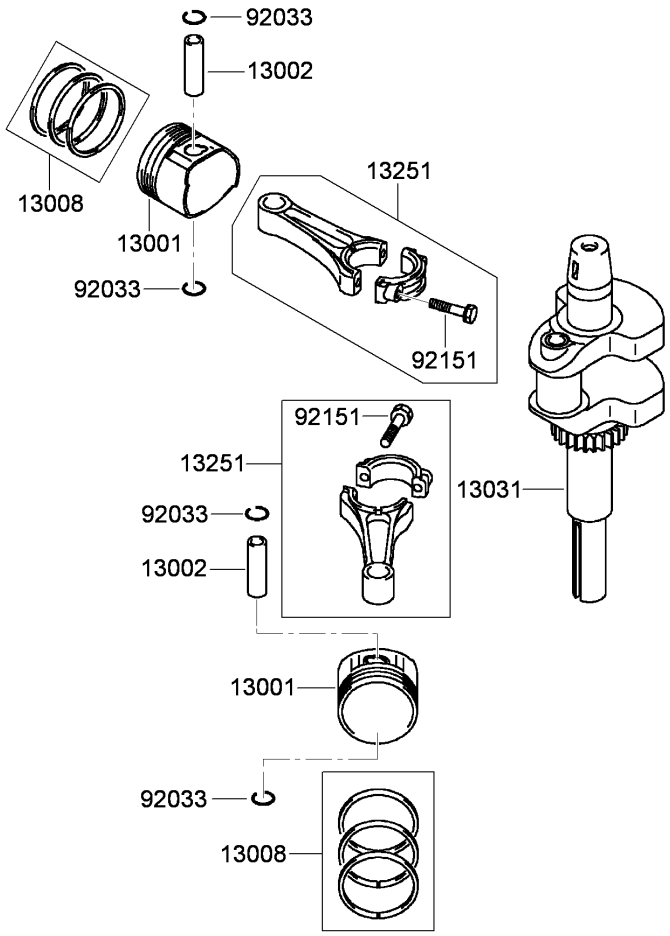
Ref	Part No.	Qty.	Description
1	3231-4	4	Screw-CARR
2	106-3246-01	1	Deflector
3	106-3248-03	1	Strap-Discharge
4	110-0759	1	Deflector-Rubber
5	107-4197-01	1	Bracket-Hinge, Rear
6	107-4196-01	1	Bracket-Hinge, Front
7	3296-39	4	Nut-Lock, NI



Cylinder and Crankcase Assembly
Kawasaki FH580V-FS28

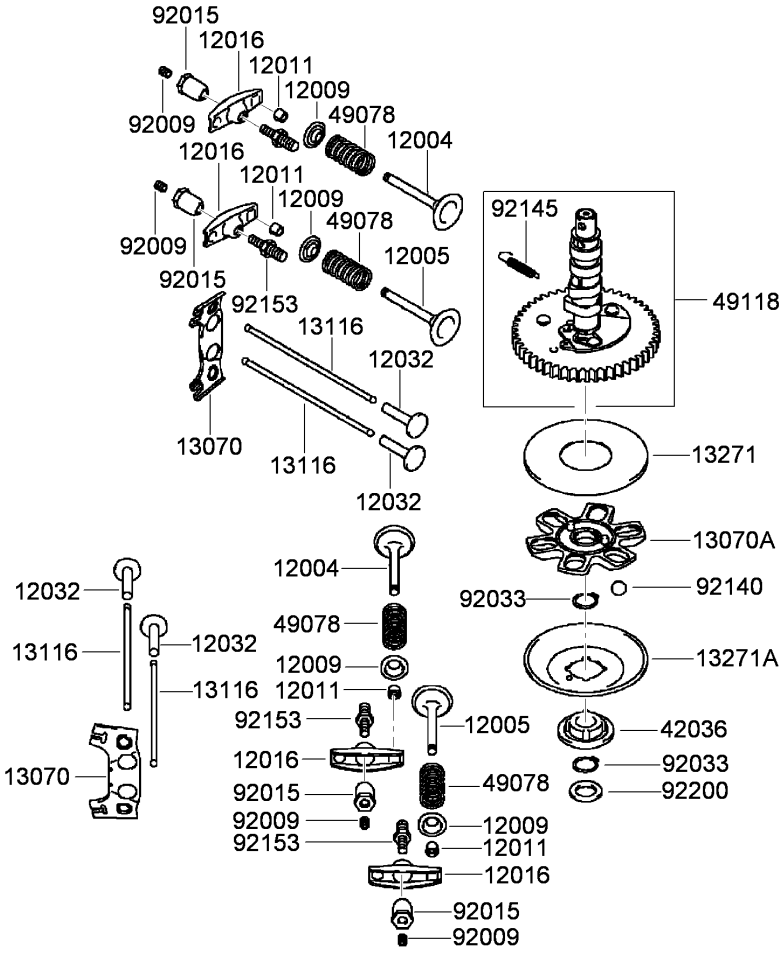
Ref	Part No.	Qty.	Description
❸130	130AA0640	4	Bolt-Flanged (6X40)
❸130A	130CA0875	2	Bolt-Flanged (8X75)
❸172	172BA0818	4	Bolt-Stud (8X18)
❸11004	11004-7016	2	Gasket-Head
❸11008	11008-6043	1	Head-Cylinder, No. 1
❸11008A	11008-7020	1	Head-Cylinder, No. 2
❸11022	11022-7018	2	Case-Rocker
❸11060	11060-7001	2	Gasket-Case, Rocker
❸11060A	11060-7008	1	Gasket-Cover, Crankcase
❸11061	11061-7001	1	Gasket-Breather
❸13271	13271-7016	1	Plate
❸14091	14091-7006	1	Cover
❸49015	49015-6253	1	Cover-Crankcase
❸49109	49109-7002	1	Element-Breather
❸49120	49120-7113	1	Crankcase
❸59071	59071-2079	1	Joint
❸92033	92033-7003	2	Ring-Snap
❸92043	92043-7001	6	Pin
❸92049	92049-7001	4	Seal-Oil, R V C2 (6X11X10.2)
❸92049A	92049-7015	1	Seal-Oil, S D (35X62X8 L HSH)
❸92049B	92049-7016	1	Seal-Oil, S D (35X48X8 R HSH)
❸92049C	92049-7019	1	Seal-Oil, S O (8X14X5 HSH)
❸92066	92066-7026	1	Plug
❸92153	92153-7043	4	Bolt (6X12)

Ref	Part No.	Qty.	Description
❸92153A	92153-7054	17	Bolt (8X50)



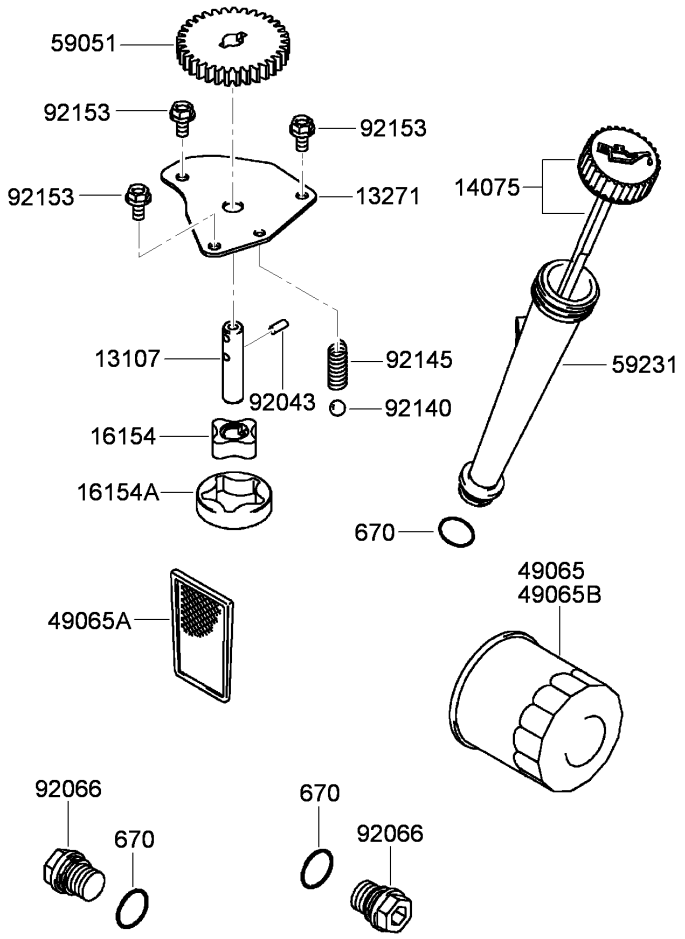
Piston and Crankshaft Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸13001	13001-7010	2	Piston-Engine
❸13002	13002-7001	2	Pin-Piston
❸13008	13008-6060	2	Piston Ring Set
❸13031	13031-7073	1	Crankshaft
❸13251	13251-7010	2	Connecting Rod ASM
❸92033	92033-7002	4	Ring-Snap
❸92151	92151-7017	4	Bolt (6X35)



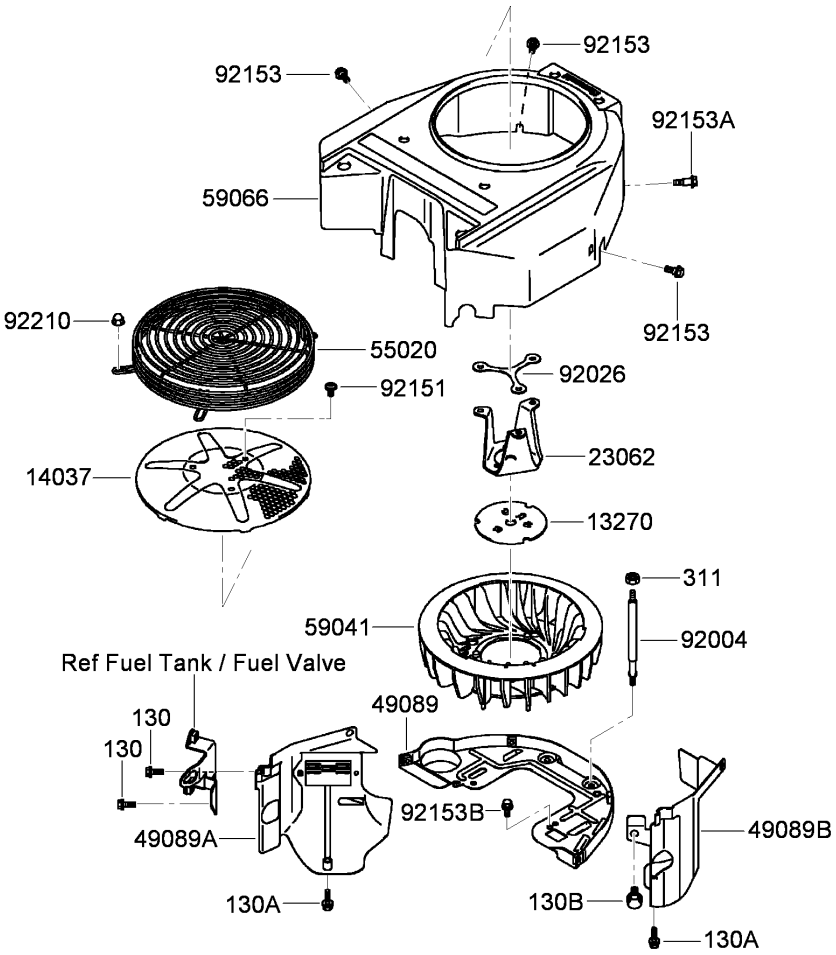
Valve and Camshaft Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸12004	12004-7003	2	Valve-Intake
❸12005	12005-7003	2	Valve-Exhaust
❸12009	12009-7001	4	Retainer-Spring, Valve
❸12011	12011-2056	8	Collet
❸12016	12016-7008	4	Arm-Rocker
❸12032	12032-7001	4	Tappet
❸13070	13070-7001	2	Guide
❸13070A	13070-7004	1	Guide
❸13116	13116-2057	4	Rod-Push
❸13271	13271-7007	1	Plate
❸13271A	13271-7021	1	Plate-Governor
❸42036	42036-7010	1	Sleeve
❸49078	49078-7001	4	Spring-Valve, Engine
❸49118	49118-7004	1	Camshaft
❸92009	92009-2341	4	Screw
❸92015	92015-2253	4	Nut
❸92033	92033-7001	2	Ring-Snap
❸92140	92140-7005	6	Ball
❸92145	92145-7001	1	Spring
❸92153	92153-7019	4	Bolt
❸92200	92200-7001	1	Washer



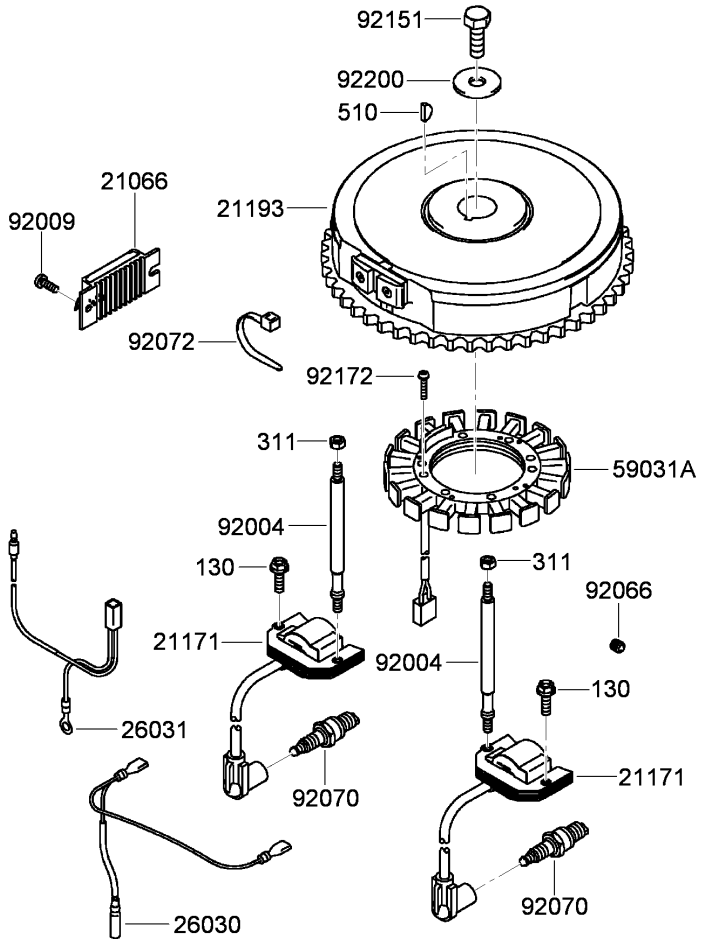
Lubrication Equipment Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸670	670D2016	3	O-Ring (16Mm)
❸13107	13107-7009	1	Shaft
❸13271	13271-7017	1	Plate
❸14075	14075-7009	1	Cap ASM
❸16154	16154-2053	1	Rotor-Pump (In)
❸16154A	16154-2054	1	Rotor-Pump (Out)
❸49065	49065-2078	1	Filter-Oil (Part Can Be Used As Substitute On Product And Is Supplied Until Stock Exhausted)
❸49065A	49065-7004	1	Filter-Oil
❸49065B	49065-7010	1	Filter-Oil
❸59051	59051-7011	1	Gear-Spur
❸59231	59231-7005	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)



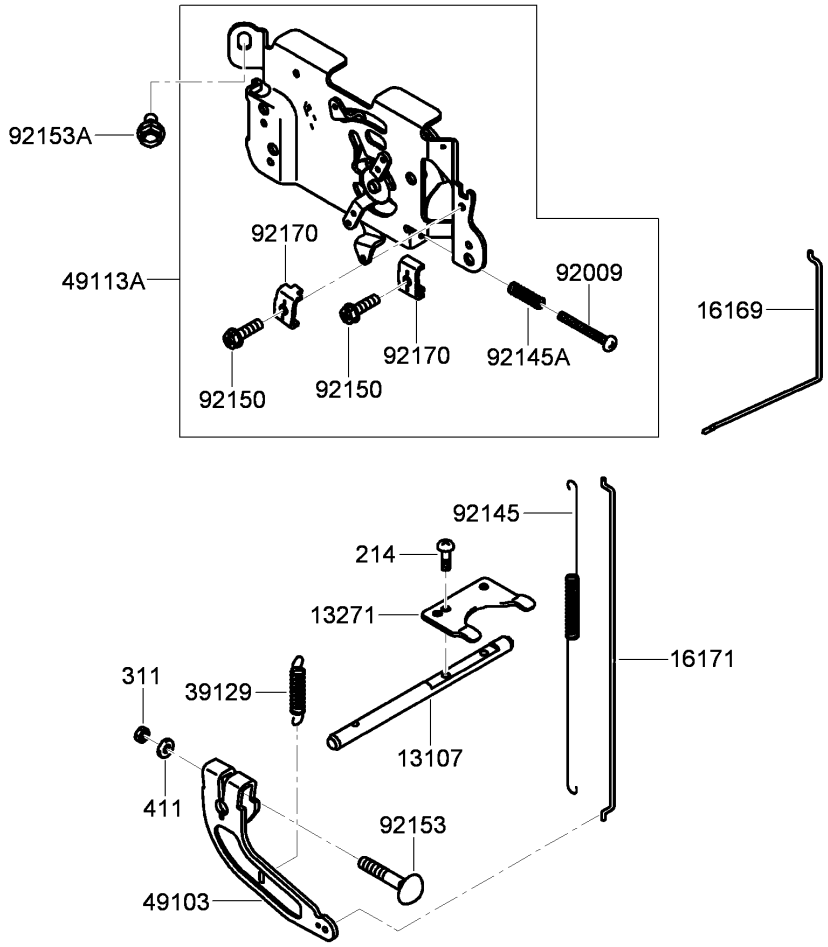
Cooling Equipment Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸130	130AA0616	2	Bolt-Flanged (6X16)
❸130A	130AA0625	2	Bolt-Flanged (6X25)
❸130B	130AA0816	1	Bolt-Flanged (8X16)
❸311	311AA0600	2	Nut-Hex (6Mm)
❸13270	13270-7007	1	Plate
❸14037	14037-7020-9H	1	Screen
❸23062	23062-7010	1	Bracket
❸49089	49089-7032	1	Shroud-Engine
❸49089A	49089-7042	1	Shroud-Engine
❸49089B	49089-7043	1	Shroud-Engine
❸55020	55020-7004	1	Guard
❸59041	59041-7012	1	Fan
❸59066	59066-7037	1	Housing-Fan
❸92004	92004-7006	2	Stud
❸92026	92026-7007	1	Spacer
❸92151	92151-7012	3	Bolt (6X12)
❸92153	92153-7007	3	Bolt
❸92153A	92153-7008	1	Bolt
❸92153B	92153-7043	2	Bolt (6X12)
❸92210	92210-0003	4	Nut



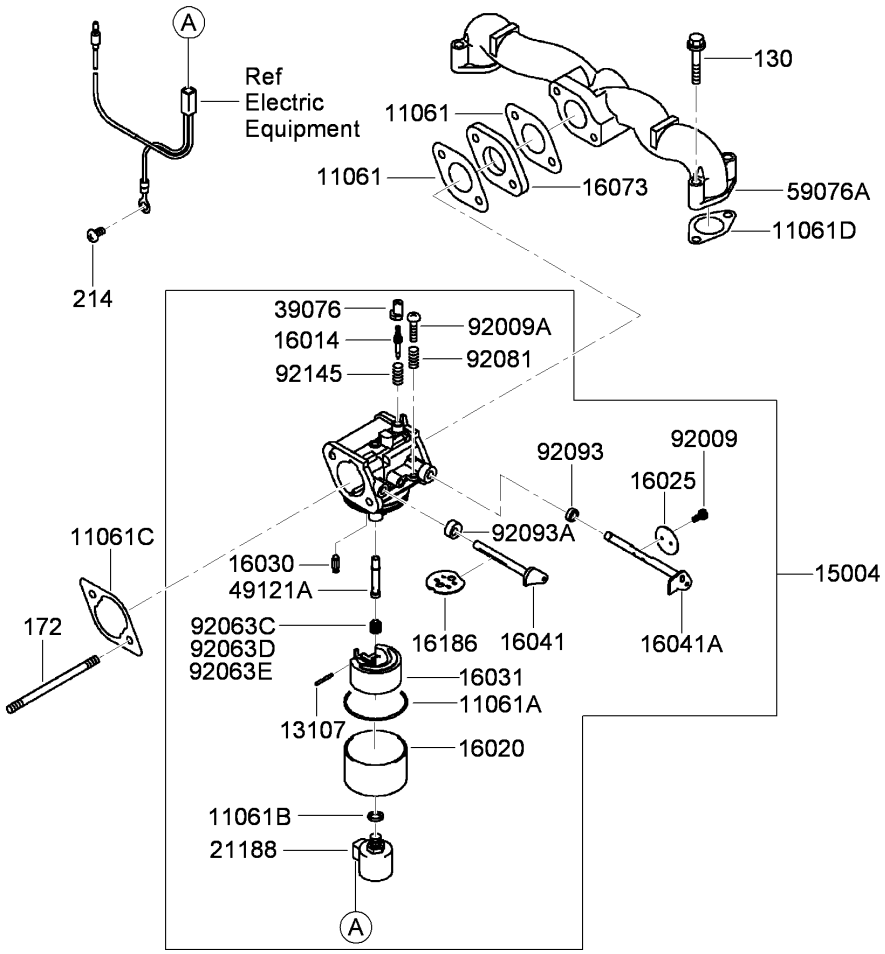
Electric Equipment Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸130	130AA0620	2	Bolt-Flanged (6X20)
❸311	311AA0600	2	Nut-Hex (6Mm)
❸510	510A5100	1	Key-Woodruff
❸21066	21066-7011	1	Regulator-Voltage
❸21171	21171-7034	2	Ignition Coil ASM
❸21193	21193-7032	1	Flywheel ASM
❸26030	26030-7001	1	Harness
❸26031	26031-7012	1	Harness
❸59031A	59031-7014	1	Coil-Charging
❸92004	92004-7009	2	Stud
❸92009	92009-2308	1	Screw
❸92066	92066-7026	1	Plug
❸92070	92070-7003	2	Spark Plug (R C J 8 Y, Solid)
❸92072	92072-7003	3	Band
❸92151	92151-2097	1	Bolt (12X30)
❸92172	92172-7018	4	Screw (5X20)
❸92200	92200-7002	1	Washer



Control Equipment Assembly
Kawasaki FH580V-FS28

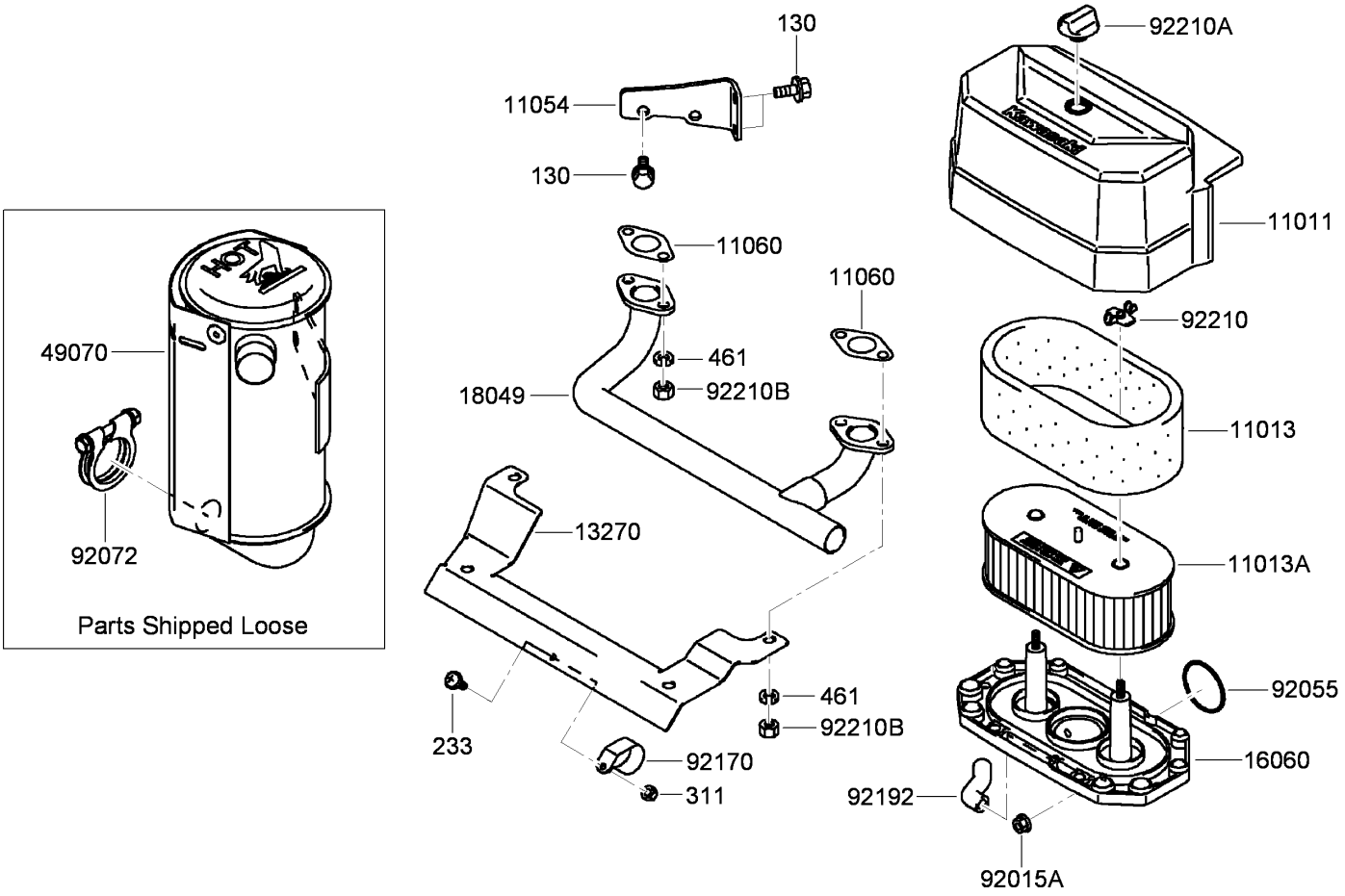
Ref	Part No.	Qty.	Description
❸214	214AA0408	2	Screw-Pan +-(4X8)
❸311	311AA0600	1	Nut-Hex (6Mm)
❸411	411AA0600	1	Washer-Plain (6Mm)
❸13107	13107-7010	1	Shaft
❸13271	13271-7032	1	Plate
❸16169	16169-7010	1	Link-Choke
❸16171	16171-7001	1	Link
❸39129	39129-7003	1	Spring-Governor
❸49103	49103-7004	1	Arm-Governor
❸49113A	49113-7054	1	Control Panel ASM
❸92009	92009-7007	1	Screw (4X35)
❸92145	92145-7003	1	Spring
❸92145A	92145-7005	1	Spring
❸92150	92150-2182	2	Bolt (5X18)
❸92153	92153-7033	1	Bolt (6X35)
❸92153A	92153-7043	2	Bolt (6X12)
❸92170	92170-7001	2	Clamp



Carburetor Assembly
Kawasaki FH580V-FS28

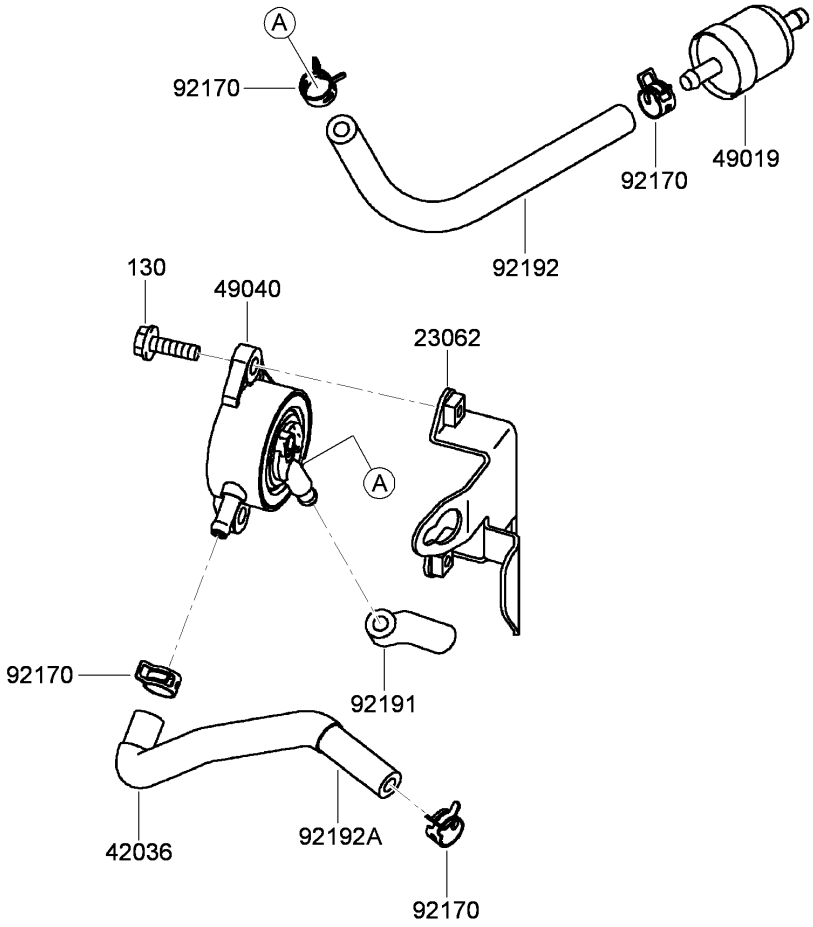
Ref	Part No.	Qty.	Description
❸130	130AA0635	4	Bolt-Flanged (6X35)
❸172	172BA0690	2	Bolt-Stud (6X90)
❸214	214AA0510	1	Screw-Pan +-(5X10)
❸11061	11061-7004	2	Gasket-Insulator
❸11061A	11061-7009	1	Gasket-Chamber
❸11061B	11061-7010	1	Gasket-Screw
❸11061C	11061-7018	1	Gasket-Cleaner, Air
❸11061D	11061-7019	2	Gasket
❸13107	13107-7018	1	Shaft
❸15004	15004-7060	1	Carburetor ASM
❸16014	16014-7005	1	Screw-Air, Pilot
❸16020	16020-7003	1	Chamber-Float
❸16025	16025-7006	1	Valve-Throttle
❸16030	16030-7003	1	Valve-Float
❸16031	16031-7002	1	Float
❸16041	16041-7016	1	Shaft-Choke, Carburetor
❸16041A	16041-7018	1	Shaft-Throttle, Carburetor
❸16073	16073-7007	1	Insulator
❸16186	16186-7001	1	Choke Valve ASM
❸21188	21188-7002	1	Solenoid
❸39076	39076-7001	1	Limiter
❸49121A	49121-7016	1	Nozzle-Main
❸59076A	59076-7017	1	Manifold-Intake
❸92009	92009-2083	2	Screw

Ref	Part No.	Qty.	Description
❸92009A	92009-2349	1	Screw
❸92063C	92063-7066	1	Jet-Main, No. 108
❸92063D	92063-7090	1	Jet-Main, No.106 (2380Ft)
❸92063E	92063-7091	1	Jet-Main, No.104 (6560Ft)
❸92081	92081-2234	1	Spring
❸92093	92093-2100	1	Seal
❸92093A	92093-7003	1	Seal
❸92145	92145-7015	1	Spring



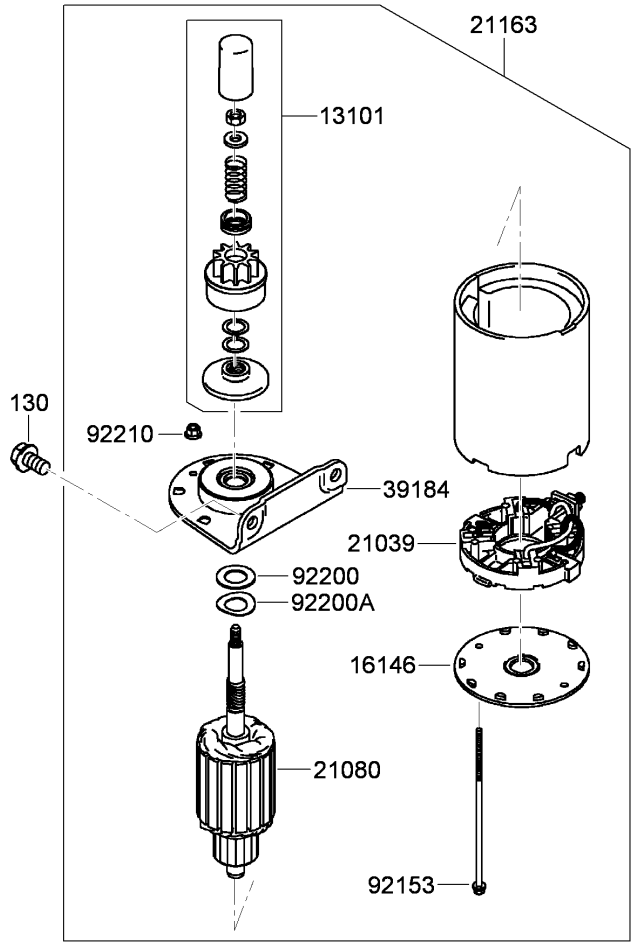
Air Filter and Muffler Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸130	130AA0816	3	Bolt-Flanged (8X16)
❸233	233AA0416	1	Screw-Pan, Wp +-(4X16)
❸311	311AA0400	1	Nut-Hex (4Mm)
❸461	461DA0800	4	Washer-Spring (8Mm)
❸11011	11011-7046	1	Case-Filter, Air
❸11013	11013-7025	1	Element-Filter, Air
❸11013A	11013-7031	1	Element-Filter, Air
❸11054	11054-7002-9H	1	Bracket
❸11060	11060-7021	2	Gasket-Muffler
❸13270	13270-7008	1	Plate
❸16060	16060-7016	1	Pipe-Intake
❸18049	18049-7001	1	Pipe-Exhaust
❸49070	49070-7021	1	Muffler
❸92015A	92015-1367	2	Nut
❸92055	92055-7015	1	O-Ring
❸92072	92072-7012	1	Band
❸92170	92170-7002	1	Clamp
❸92192	92192-7010	1	Tube
❸92210	92210-7004	2	Nut (M6)
❸92210A	92210-7019	1	Nut
❸92210B	92210-7027	4	Nut (M8)



Fuel Tank and Valve Assembly
Kawasaki FH580V-FS28

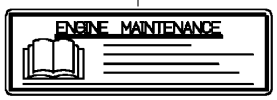
Ref	Part No.	Qty.	Description
❸130	130AA0620	2	Bolt-Flanged (6X20)
❸23062	23062-7019-9H	1	Bracket
❸42036	42036-7012	1	Sleeve
❸49019	49019-7001	1	Filter-Fuel
❸49040	49040-7001	1	Pump-Fuel
❸92170	92170-2009	4	Clamp
❸92191	92191-7002	1	Tube
❸92192	92192-7135	1	Tube (6.35X12.7X160)
❸92192A	92192-7136	1	Tube (6.35X12.7X180)



Starter Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸130	130AA0814	2	Bolt-Flanged (8X14)
❸13101	13101-7010	1	Gear ASM
❸16146	16146-7013	1	Cover ASM
❸21039	21039-7002	1	Brush
❸21080	21080-7007	1	Armature
❸21163	21163-7031	1	Starter-Electric
❸39184	39184-7009	1	Bracket ASM
❸92153	92153-7034	2	Bolt
❸92200	92200-7023	1	Washer
❸92200A	92200-7024	1	Washer
❸92210	92210-7037	2	Nut

56033



56070



56080



Label Assembly
Kawasaki FH580V-FS28

Ref	Part No.	Qty.	Description
❸56033	56033-7001	1	Label-Manual
❸56070	56070-7001	1	Label-Warning
❸56080	56080-7055	1	Label-Brand

Attachments and Accessories

For 30498 - Commercial Walk-Behind Mower, Floating Deck T-Bar Hydro with 48in TURBO FORCE Cutting Unit

Product Name	Model/Part
Blade-Low Flow, 16.5 Inch	107-3193-03
Blade-Mid Flow, 16.5 Inch	107-3194-03
Blade-Atomic, 16.5 Inch	107-3195-03
Blade-Recycling, 16.5 Inch	107-3196-03
Bagging Enhancement Kit	108-4091
Blade-Hi Flow, 16.5 Inch (6 Pack)	110-0414
Blade-Lo Flow, 16.5 Inch (6 Pack)	110-0415
Blade-Recycler, 16.5 Inch (6 Pack)	110-0416
Blade-Atomic, 16.5 Inch (6 Pack)	110-0417
Blade-Mid Flow, 16.5 Inch (6 Pack)	110-0418
48 Inch Recycler Kit	110-2060
Weight-Cast	112-7059-01
Weight Kit	112-9971
Trim Side Anti-Scalp Roller Kit	115-1015
Discharge Side Anti-Scalp Roller Kit	115-1016
Soft Bag (3 Bushel)	30104
Tru Trak Sulky	30110

NOTES

NOTES

NOTES


TORO®