Form No. 3359-440 Rev B

TORO®

Count on it.

Parts Catalog

Z400 Z Master®

With 52in 7-Gauge Side Discharge Mower

Model No. 74449—Serial No. 280000001 and Up

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 illustration and in parts 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.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

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

LP: Liquid Propane

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

RRB: rear roller brush

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

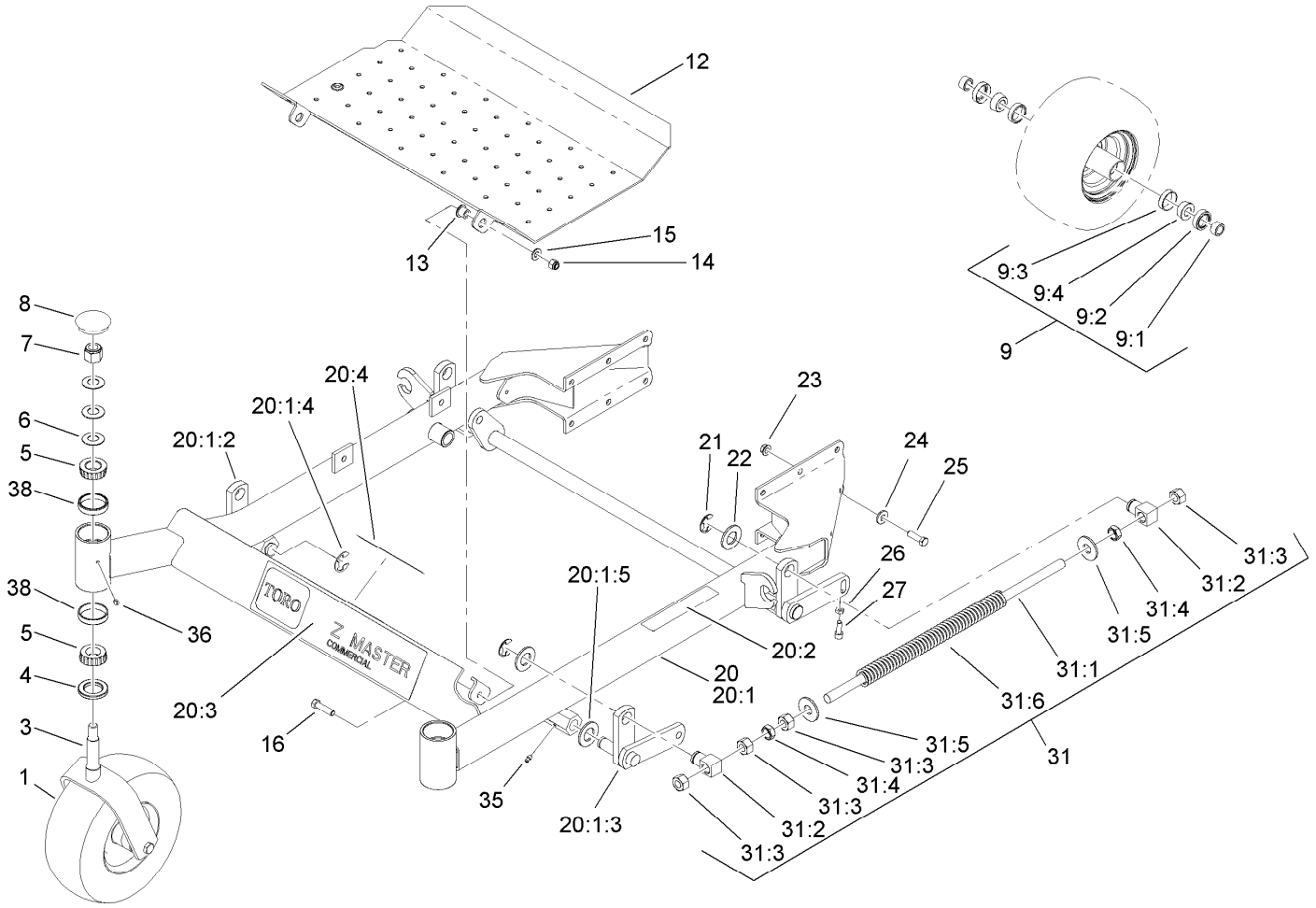
TTH: torx truss head

Contents

Front Frame Assembly 4
Caster Wheel Assembly No. 1-634662 5
Height-of-Cut Assembly 6
Main Frame Assembly 7
Fuel System Assembly 8
Parking Brake Assembly 9
Motion Control Assembly 10
RH Motion Control Assembly No. 109-3911 11
LH Motion Control Assembly No. 109-3912 12
Hydraulic System Assembly 13
Hydraulic Pump Assembly No. 103-1942 14
Pump Idler and Belt Assembly 15
Engine, Clutch and Muffler Assembly 16
Deck Connection Assembly 17
Deck Assembly 18
Idler Assembly 19
Spindle Assembly No. 107-8504 20
Deck Decal Assembly No. 114-1523 21
Rubber Deflector Assembly No. 108-7770 22
Electrical System Assembly 23
Seat and Bracket Assembly 24
Seat and Bracket Assembly No. 110-0446 25
Roll-Over Protection System Assembly 26
Roll-Over Protection System Assembly No. 107-8093 27
Cylinder and Crankcase Assembly Kawasaki FH641V-DS19-R 28
Piston and Crankshaft Assembly Kawasaki FH641V-DS19-R 29
Valve and Camshaft Assembly Kawasaki FH641V-DS19-R 30
Lubrication Equipment Assembly Kawasaki FH641V-DS19-R 31
Cooling Equipment Assembly Kawasaki FH641V-DS19-R 32
Electric Equipment Assembly Kawasaki FH641V-DS19-R 33
Control Equipment Assembly Kawasaki FH641V-DS19-R 34
Carburetor Assembly Kawasaki FH641V-DS19-R 35
Air Filter and Muffler Assembly Kawasaki FH641V-DS19-R 36
Fuel Tank and Valve Assembly Kawasaki FH641V-DS19-R 37
Starter Assembly Kawasaki FH641V-DS19-R 38
Label Assembly Kawasaki FH641V-DS19-R 39
Attachments and Accessories 40

© 2011—The Toro® Company
8111 Lyndale Avenue South
Bloomington, MN 55420

Contact us at www.Toro.com.
Printed in the USA.
All Rights Reserved

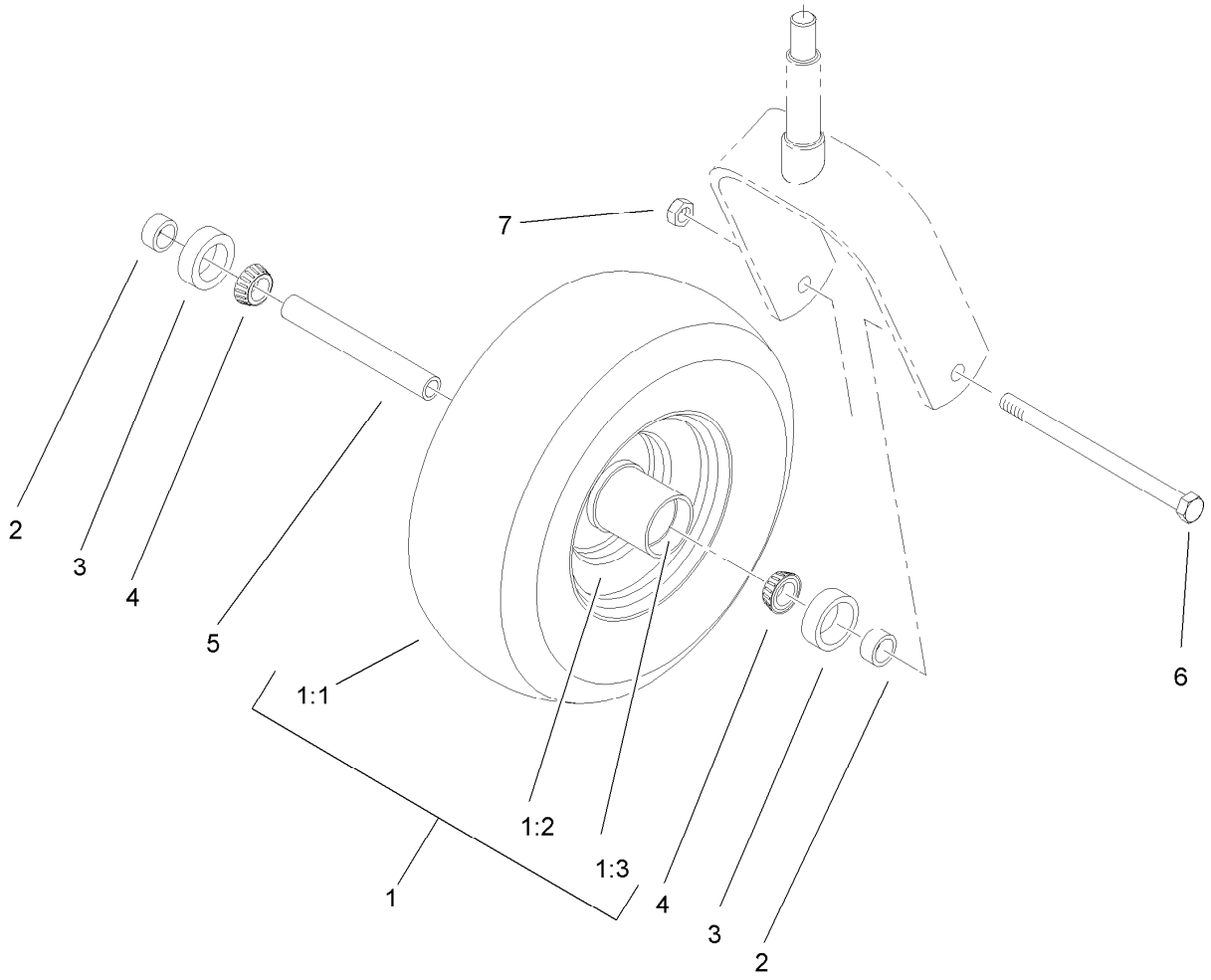


Front Frame Assembly

Ref.	Part Number	Qty.	Description
1	1-634662	2	Caster Wheel ASM
3	1-632511-01	2	Caster
4	1-543511	2	Seal-Grease
5	254-94	4	Bearing-Cone, Tapered
6	1-633508	6	Washer-Bellville
7	3296-51	2	Nut-Lock, NI
8	103-4882	2	Cap-Grease
9	110-8837	1	Caster Wheel Bearing Kit
9:1	1-633581	2	Spacer-Bearing
9:2	1-633580	2	Seal-Bearing
9:3	1-633584	2	Bearing-Cup
9:4	1-633585	2	Bearing-Cone, Taper
12	108-5007-03	1	Floor Pan
13	86-2180	2	Bushing-Flange
14	3296-39	2	Nut-Lock, NI
15	3256-24	2	Washer-Flat
16	323-8	2	Screw-HH
20	108-5022	1	Front Frame ASM
20:1		1	Frame-Front ●
20:1:2	99-3872	1	RH Lift Arm ASM
20:1:3	99-3871	1	LH Lift Arm ASM
20:1:4	32151-103	2	Ring-Retaining, EXT

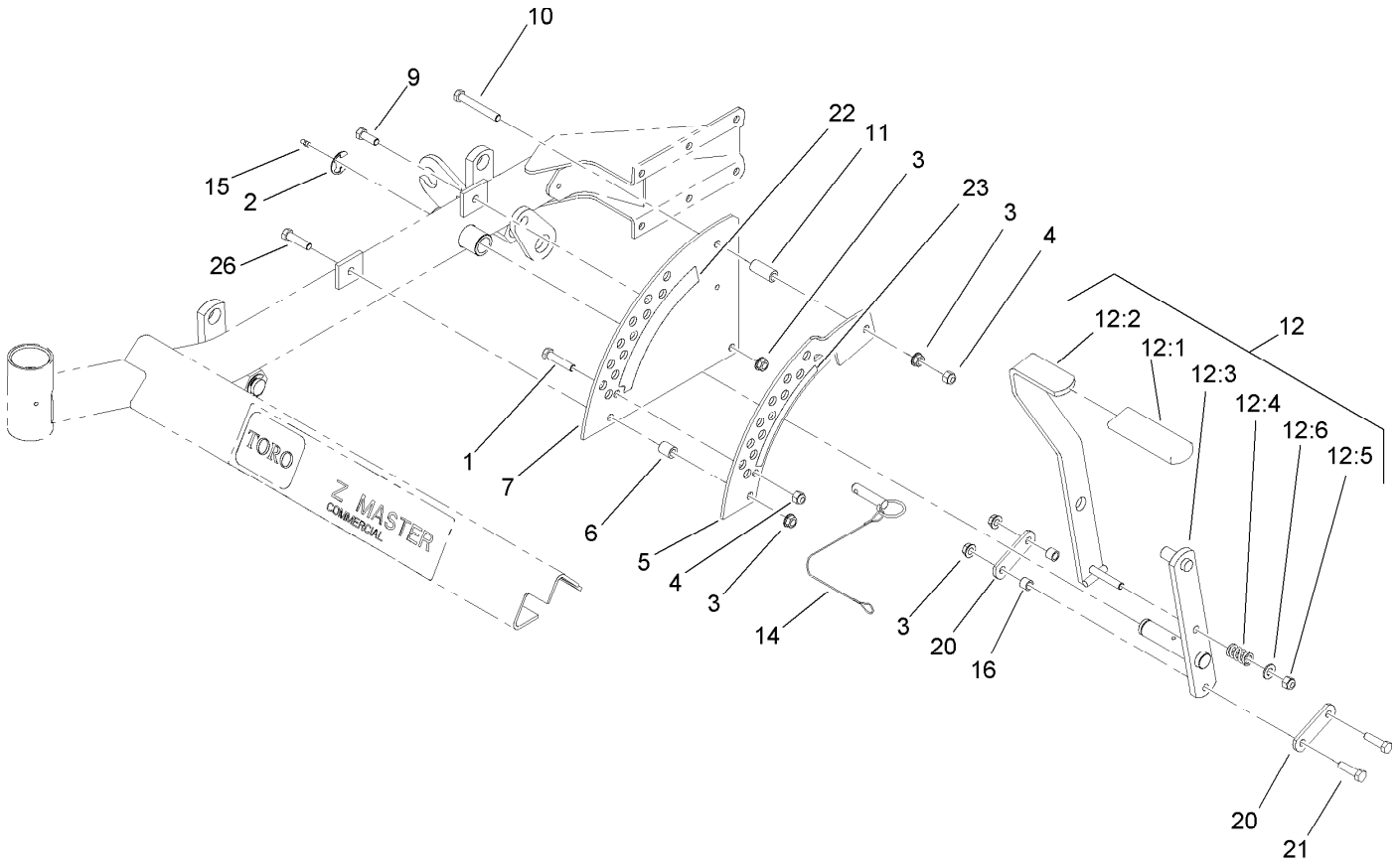
Ref.	Part Number	Qty.	Description
20:1:5	3256-29	2	Washer-Flat
20:2	1-633818	1	Decal-Warning
20:3	106-7451	1	Decal
20:4	107-2112	1	Decal-Warning
21	32151-103	4	Ring-Retaining, EXT
22	3256-29	4	Washer-Flat
23	3290-357	12	Nut-HHF, Whiz
24	98-5975	12	Washer-Belleville
25	323-7	12	Screw-HH
26	3218-2	2	Nut-Jam
27	3274-18	2	Screw-HSH
31	1-634439	2	Front Frame Spring ASM
31:1	1-633096	1	Rod-Lift, Deck
31:2	1-633441	2	Swivel-Deck Mount, Rear
31:3	3217-11	4	Nut-Hex
31:4	3218-6	2	Nut-Jam
31:5	3256-7	2	Washer-Flat
31:6	1-633064	1	Spring-Support, Deck
35	302-19	4	Fitting-Grease
36	1-811010	2	Plug
38	254-72	4	Bearing-Cup, Tapered

● Not serviced separately



Caster Wheel Assembly No. 1-634662

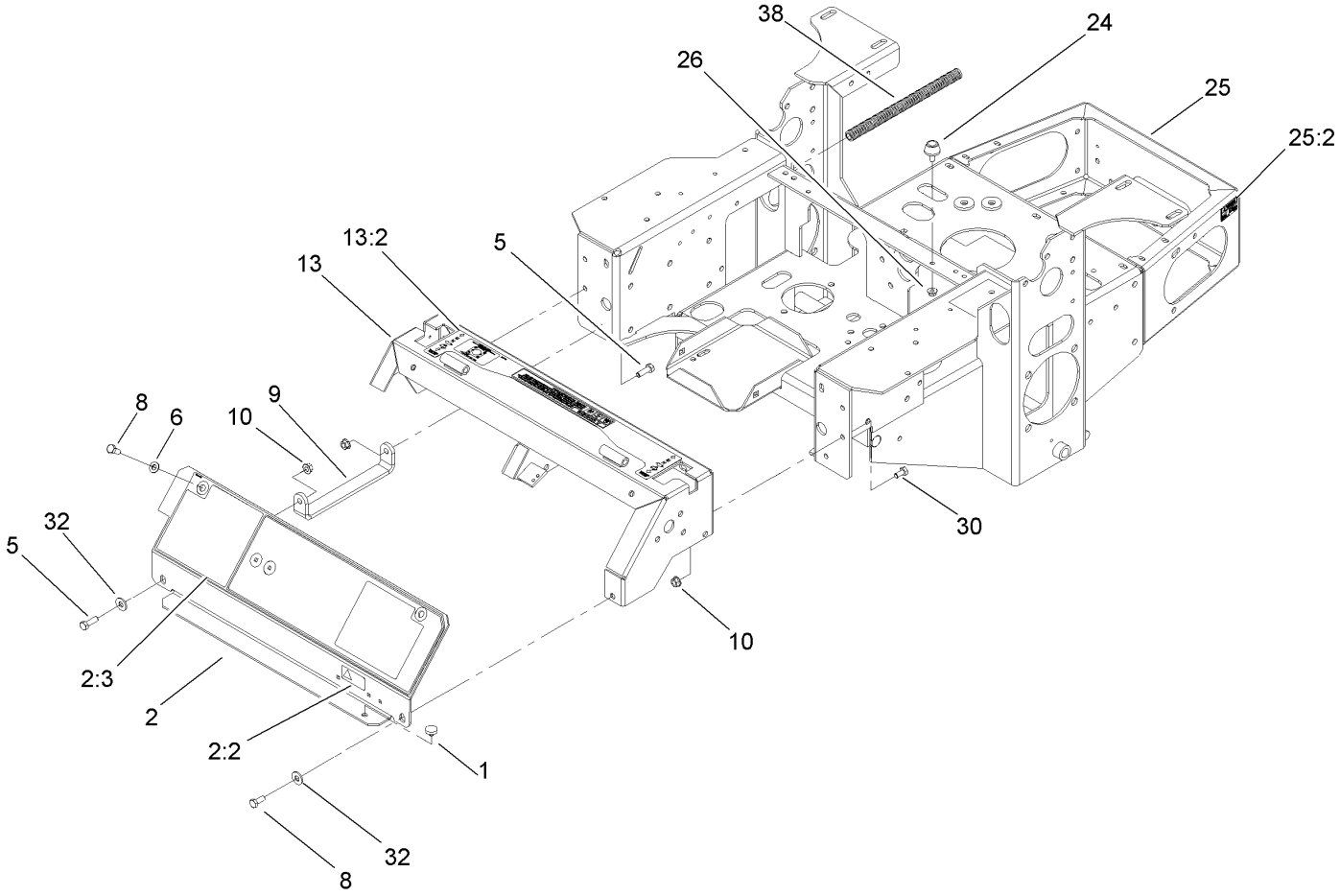
Ref.	*Part Number*	*Qty.*	*Description*
1	1-633582	1	Wheel And Tire ASM
1:1	1-633002	1	Tire
1:2	1-633583	1	Wheel
1:3	1-633584	2	Bearing-Cup
2	1-633581	2	Spacer-Bearing
3	1-633580	2	Seal-Bearing
4	1-633585	2	Bearing-Cone, Taper
5	1-633579	1	Spacer-Caster, Front
6	325-36	1	Screw-HH
7	3296-45	1	Nut-Lock, NI



Height-of-Cut Assembly

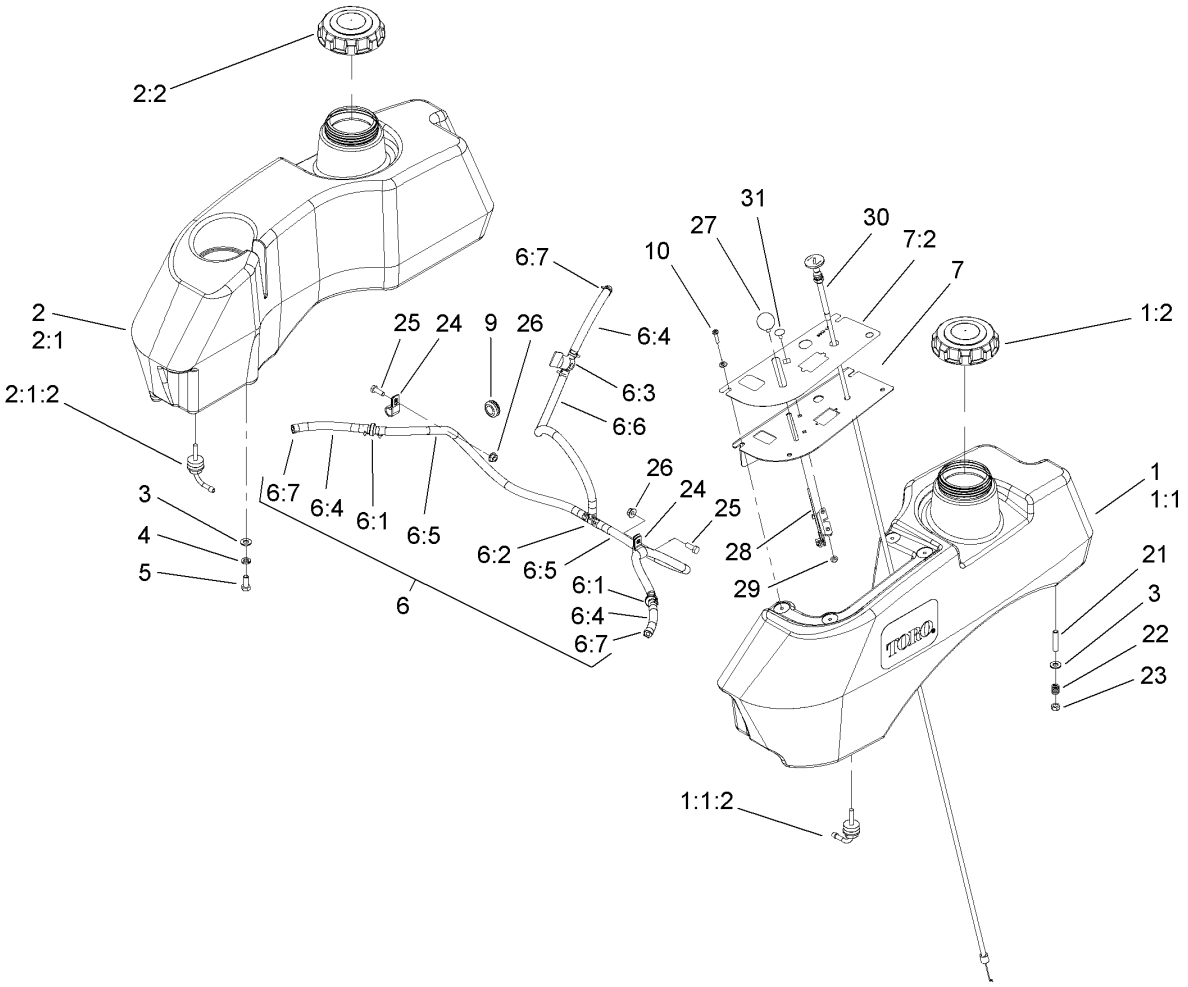
Ref.	Part Number	Qty.	Description
1	323-9	1	Screw-HH
2	32151-103	1	Ring-Retaining, EXT
3	3290-357	5	Nut-HHF, Whiz
4	3296-39	2	Nut-Lock, NI
5	108-7755-01	1	Plate-Lift, Deck
6	1-633080	1	Bushing-Lever, Lift
7	1-653230-01	1	Plate-Lift, Deck
9	323-6	1	Screw-HH
10	323-13	1	Screw-HH
11	1-633082	1	Bushing-Lever, Lift
12	110-5870	1	Deck Lift Handle ASM
12:1	1-633295	1	Grip-Lever, Lift
12:2	103-2078	1	Handle-Lift

Ref.	Part Number	Qty.	Description
12:3	106-6598	1	Lift Arm ASM
12:4	1-633325	1	Spring-Compression
12:5	3296-39	1	Nut-Lock, NI
12:6	3256-24	1	Washer-Flat
14	106-9951	1	Hitch Pin ASM
15	302-19	1	Fitting-Grease
16	103-1918	2	Bushing
20	1-633068	2	Arm-Lift, Deck
21	323-29	2	Screw-HH
22	108-1051	1	Decal-Deck Height, Outer
23	108-1050	1	Decal-Deck Height, Inner
26	323-8	1	Screw-HH



Main Frame Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	1-513658	2	Bumper
2	108-1864	1	Panel ASM
2:2	98-4387	1	Decal-Protection, Ear
2:3	107-8445	1	Decal-Cover, Panel
5	322-5	2	Screw-HH
6	3256-23	2	Washer-Flat
8	322-3	3	Screw-HH
9	103-7935-03	1	Bracket-Panel, Instrument
10	32128-20	6	Nut-HF
13	108-5997	1	Console ASM
13:2	108-5995	1	Decal-Warning
24	109-2365	2	Rubber Bumper ASM (W/Stud)
25	112-9007	1	Main Frame ASM
25:2	65-2690	2	Decal-Surface, Hot
26	32128-33	2	Nut-HF
30	322-2	4	Screw-HH
32	3256-3	2	Washer-Flat
38	24-7922	2	Conduit-Convoluted, Split

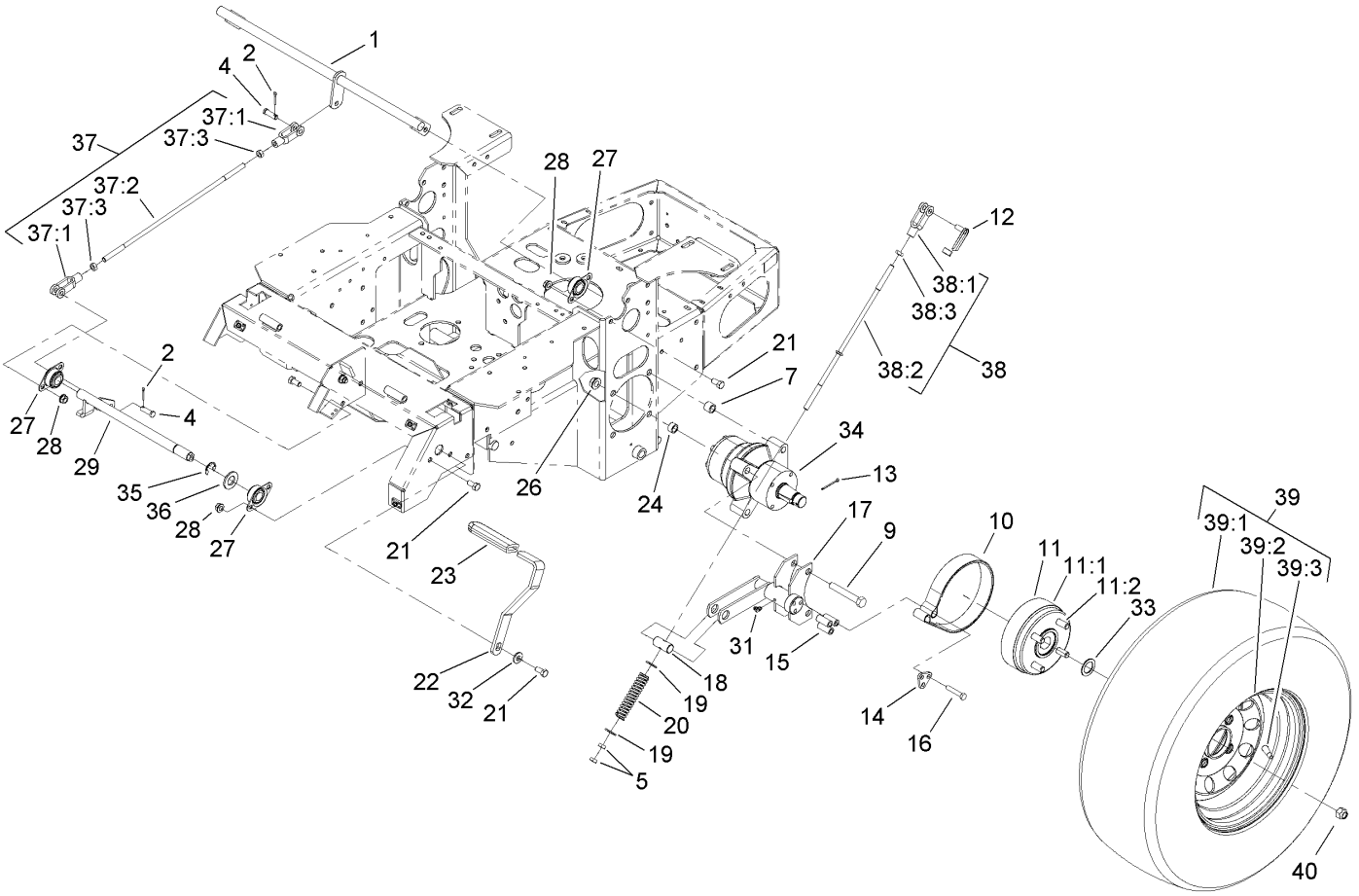


Fuel System Assembly

Ref.	Part Number	Qty.	Description
1	110-4165	1	LH Fuel Tank Service Kit
1:1		1	LH Fuel Tank ASM ●
1:1:2	103-2605	1	Fitting-Fuel, Bulkhead
1:2	109-0346	1	Cap-Fuel, Gas
2	105-3639	1	RH Fuel Tank Service Kit
2:1		1	RH Fuel Tank ASM ●
2:1:2	103-2605	1	Fitting-Fuel, Bulkhead
2:2	109-0346	1	Cap-Fuel, Gas
3	3256-23	8	Washer-Flat
4	1-805005	4	Washer-Lock
5	322-3	4	Screw-HH
6		1	Fuel Line ASM ●
6:1	99-5000	2	Valve-Check, Fuel
6:2	99-5005	1	Fitting-Tee, Barbed
6:3	1-603770	1	Valve-Fuel
6:4	109-0678	3	Hose-Fuel
6:5	110-5701	2	Hose-Fuel

Ref.	Part Number	Qty.	Description
6:6	109-0297	1	Hose-Fuel
6:7	1-303077	12	Clamp
7	107-2149	1	Control Panel ASM
7:2	110-0439	1	Decal-Panel, Control
9	1-543296	2	Grommet
10	109-2661	4	Screw-PPH
21	1-633023	4	Stud
22	1-633349	4	Spring-Tank, Fuel
23	3296-47	4	Nut-Lock, NI
24	1-513762	2	Clip-Loom
25	321-4	2	Screw-HH
26	32128-33	2	Nut-HF
27	1-513592	1	Knob-Ball
28	1-633696	1	Throttle Cable ASM
29	3296-2	2	Nut-Lock, NI
30	106-9962	1	Control-Choke, Push / Pull
31	1-807513	2	Bolt-CARR

● Not serviced separately

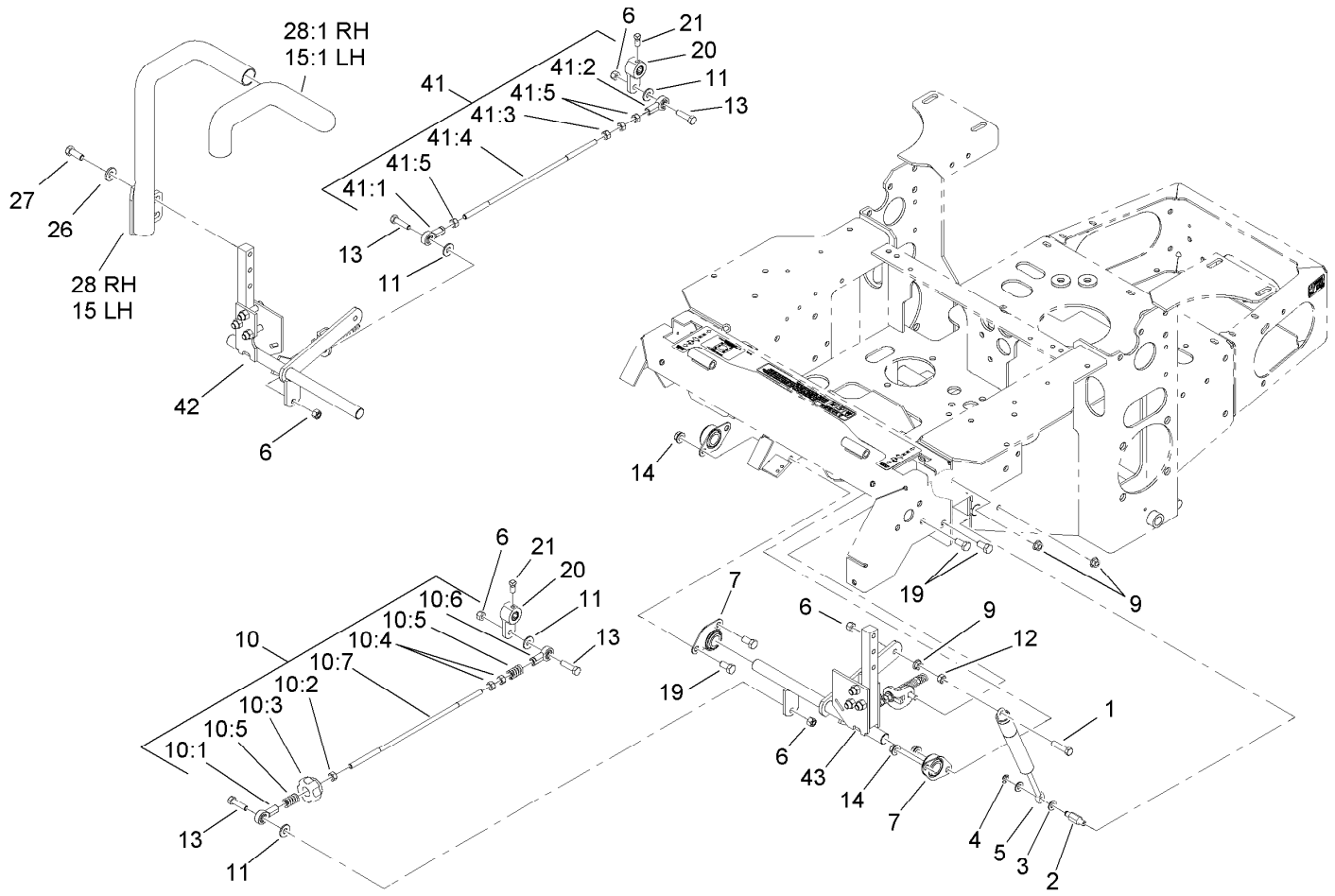


Parking Brake Assembly

Ref.	Part Number	Qty.	Description
1	1-652073-03	1	Crank-Brake, Park
2	3272-10	2	Pin-Cotter
4	1-808285	2	Pin-Clevis
5	3219-3	4	Nut-Hex
7	1-653068	4	Spacer-Wheel
9	325-13	8	Screw-HH
10	103-0355	2	Band-Brake
11		2	Hub And Wheel ASM ■
11:1	103-0589	1	Wheel Hub ASM
11:2	1-633926	4	Stud-Wheel
12	103-2399	2	Pin-Spring, Clevis
13	1-806800	2	Pin-Cotter
14	103-0374	2	Retainer-Band, Brake
15	103-0384	6	Spacer
16	322-9	6	Screw-HH
17	103-0352-03	2	Bracket-Brake
18	1-633144	2	Pin-Trunion
19	3256-4	4	Washer-Flat
20	1-633454	2	Spring-Brake
21	323-4	9	Screw-HH
22	1-653074-03	1	Handle-Brake, Park
23	1-633268	1	Grip-Lever
24	1-653069	4	Spacer-Wheel
26	32128-49	8	Nut-HHF
27	1-633102	4	Bearing-Flange, Side
28	3290-357	8	Nut-HHF, Whiz
29	103-3116	1	Shaft-Brake, Parking
31	1481	2	Fitting-Grease
32	98-5975	1	Washer-Belleville
33	1-523157	2	Washer-Spacer
34	103-5333	2	Motor-Wheel
34:1	109-5965	1	Wheel Motor Seal Kit ●
34:2	109-5966	1	Wheel Motor Seal Kit ●
35	32151-48	1	E-Ring ●
36	3256-28	1	Washer-Flat
37	103-4328	1	Brake Rod ASM
37:1	1-633131	2	Yoke-Linkage, Brake
37:2	1-653061	1	Linkage-Handle, Brake
37:3	3219-3	2	Nut-Hex
38	103-4329	2	Brake Rod ASM
38:1	1-633131	1	Yoke-Linkage, Brake
38:2	103-0356	1	Rod-Brake
38:3	3219-3	1	Nut-Hex
39	1-653159	2	Wheel And Tire ASM
39:1	1-653160	1	Tire
39:2	1-653161	1	Wheel
39:3	232-27	1	Stem-Valve
40	242-50	8	Nut-Lug

● Not illustrated

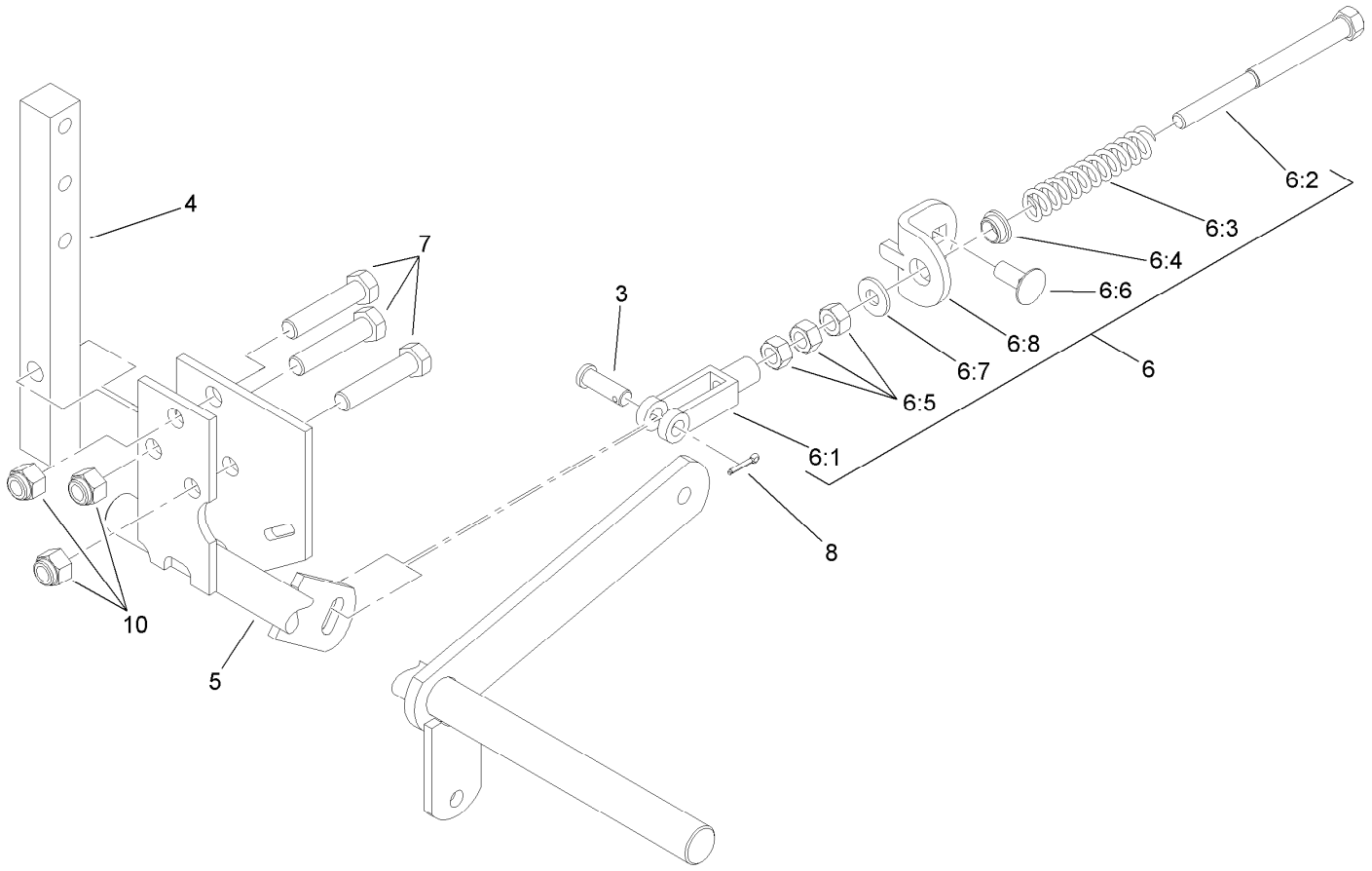
■ Not serviced separately



Motion Control Assembly

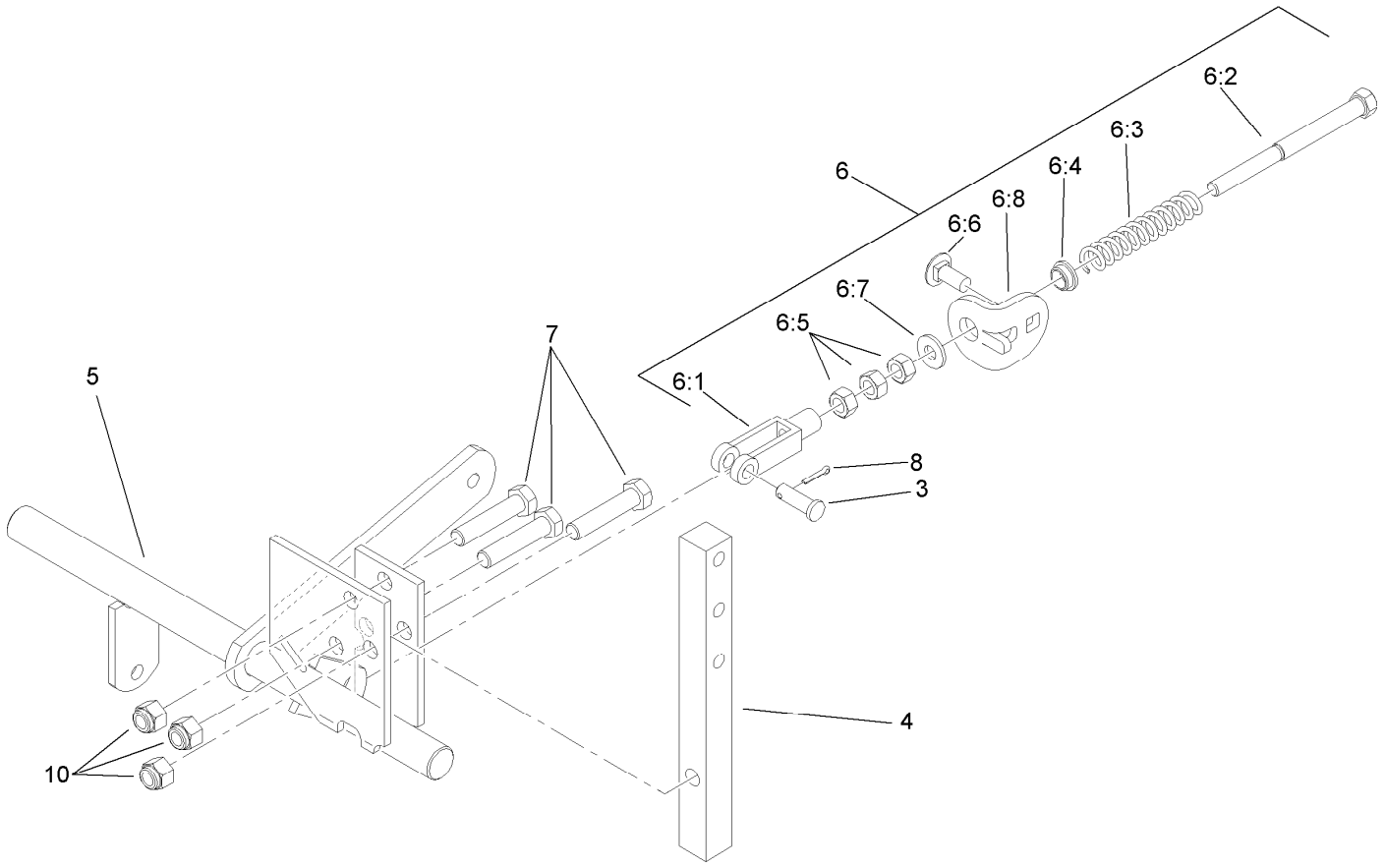
Ref.	Part Number	Qty.	Description
1	1-403180	2	Screw-HH
2	103-4101	2	Pin-Damper
3	3256-23	4	Washer-Flat
4	32120-35	2	Ring-Retaining, EXT
5	109-2339	2	Damper-Control, Motion
6	3296-29	6	Nut-Lock, NI
7	1-633102	4	Bearing-Flange, Side
9	32128-20	10	Nut-HF
10	103-4326	1	Tracking Rod ASM
10:1	1-543017	1	Balljoint-RH
10:2	3219-2	1	Nut-Hex
10:3	103-3060	1	Knob-Tracking
10:4	1-804524	2	Nut
10:5	1-323245	2	Spring-Compression
10:6	1-633152	1	Balljoint-LH
10:7	103-3066	1	Link-Rod, Tracking
11	3256-3	4	Washer-Flat
12	3217-6	2	Nut-Hex
13	322-6	4	Screw-HH

Ref.	Part Number	Qty.	Description
14	3290-357	6	Nut-HHF, Whiz
15	108-7238	1	LH Lever ASM
15:1	106-9987	1	Grip-Control, Motion
19	323-4	6	Screw-HH
20	103-3717	2	Arm-Control
21	1-803022	2	Screw-Set
26	98-5975	4	Washer-Belleville
27	323-6	4	Screw-HH
28	108-7237	1	RH Lever ASM
28:1	106-9987	1	Grip-Control, Motion
41	103-4327	1	Tracking ASM
41:1	1-543017	1	Balljoint-RH
41:2	1-633152	1	Balljoint-LH
41:3	1-804524	1	Nut
41:4	103-3066	1	Link-Rod, Tracking
41:5	3219-2	3	Nut-Hex
42	109-3911	1	RH Motion Control ASM
43	109-3912	1	LH Motion Control ASM



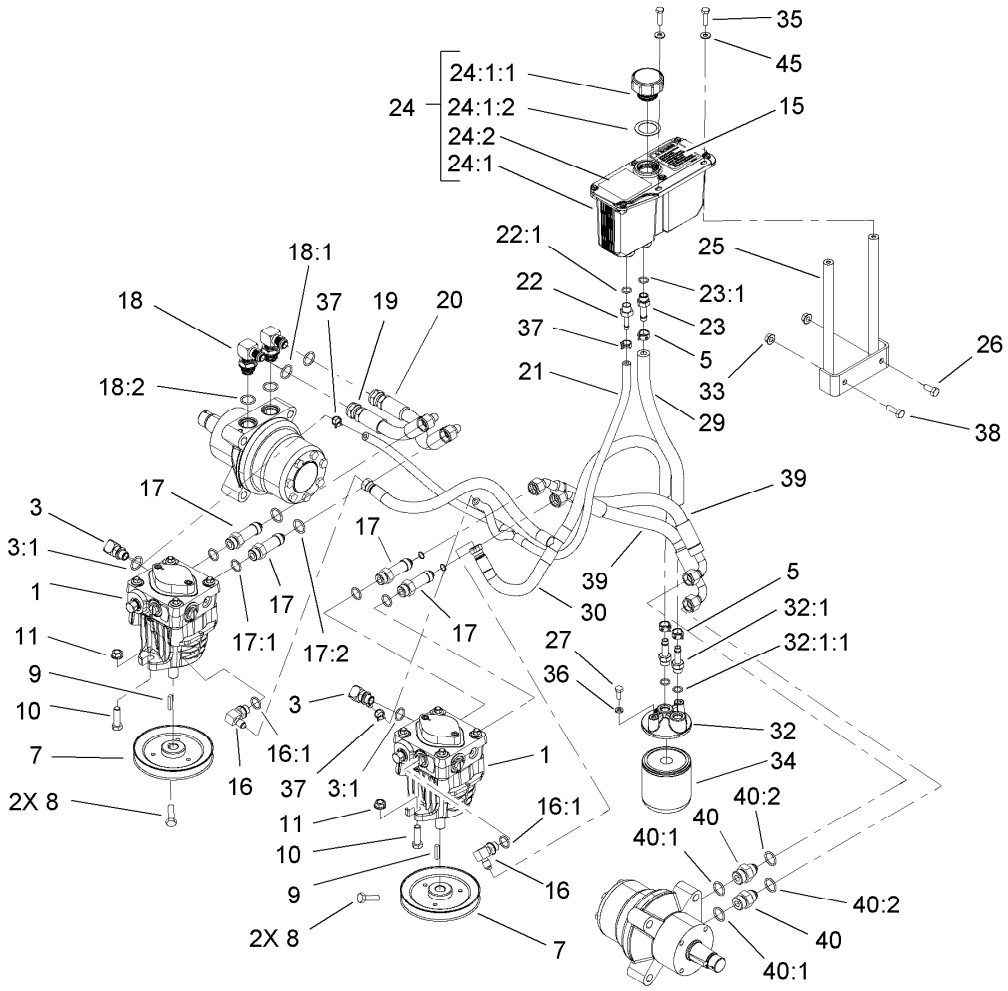
RH Motion Control Assembly No. 109-3911

Ref.	*Part Number*	*Qty.*	*Description*
3	1-808280	1	Pin-Clevis
4	103-0407	1	Arm-Shaft, Control
5	103-4773	1	Control-Motion, RH
6	109-3903	1	Neutral Return ASM
6:1	1-303105	1	Yoke-Adjustable
6:2	1-603737	1	Bolt-Return, Neutral
6:3	1-603807	1	Spring-Return, Neutral
6:4	109-3769	1	Bushing-Nylon, Flanged
6:5	3219-2	3	Nut-Hex
6:6	3230-23	1	Screw-CARR
6:7	3256-2	1	Washer-Flat
6:8	109-3908	1	Tab-Adjustment
7	323-9	3	Screw-HH
8	3272-5	1	Pin-Cotter
10	3296-39	3	Nut-Lock, NI



LH Motion Control Assembly No. 109-3912

Ref.	*Part Number*	*Qty.*	*Description*
3	1-808280	1	Pin-Clevis
4	103-0407	1	Arm-Shaft, Control
5	103-4774	1	Control-Motion, LH
6	109-3903	1	Neutral Return ASM
6:1	1-303105	1	Yoke-Adjustable
6:2	1-603737	1	Bolt-Return, Neutral
6:3	1-603807	1	Spring-Return, Neutral
6:4	109-3769	1	Bushing-Nylon, Flanged
6:5	3219-2	3	Nut-Hex
6:6	3230-23	1	Screw-CARR
6:7	3256-2	1	Washer-Flat
6:8	109-3908	1	Tab-Adjustment
7	323-9	3	Screw-HH
8	3272-5	1	Pin-Cotter
10	3296-39	3	Nut-Lock, NI

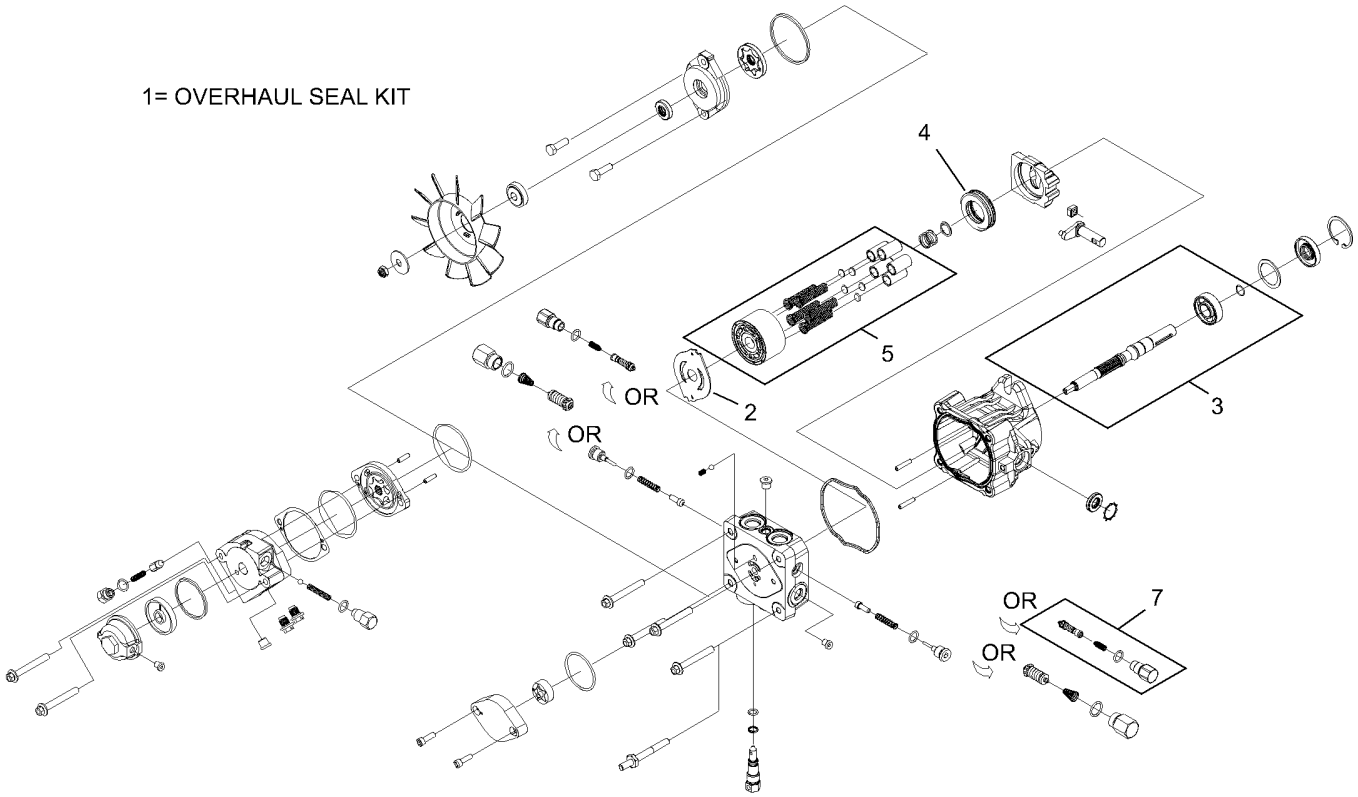


Hydraulic System Assembly

Ref.	Part Number	Qty.	Description
1	103-1942	2	Pump-HYD
3	103-1799	2	Elbow-90 DEG
3:1	237-42	1	O-Ring
5	103-1988	3	Clamp-Hose
7	1-653156	2	Pulley
8	1-803050	4	Screw-Set
9	1-807272	2	Key
10	323-7	4	Screw-HH
11	3290-357	4	Nut-HHF, Whiz
15	103-2644	1	Decal-Exhaust
16	103-1802	2	Fitting-HYD, 90 DEG
16:1	1-603921	1	O-Ring
17	103-1940	4	Adapter-HYD, Straight
17:1	237-79	1	O-Ring
17:2	1-603992	1	O-Ring
18	1-633605	2	Fitting-HYD, 90 DEG
18:1	1-603992	1	O-Ring
18:2	237-80	1	O-Ring
19	1-653186	1	Hose-Front
20	1-653187	1	Hose-Rear, RH
21	103-2357	1	HYD Hose ASM
22	103-1801	1	Adapter-Straight
22:1	237-42	1	O-Ring
23	103-1912	1	Adapter-Straight
23:1	237-42	1	O-Ring

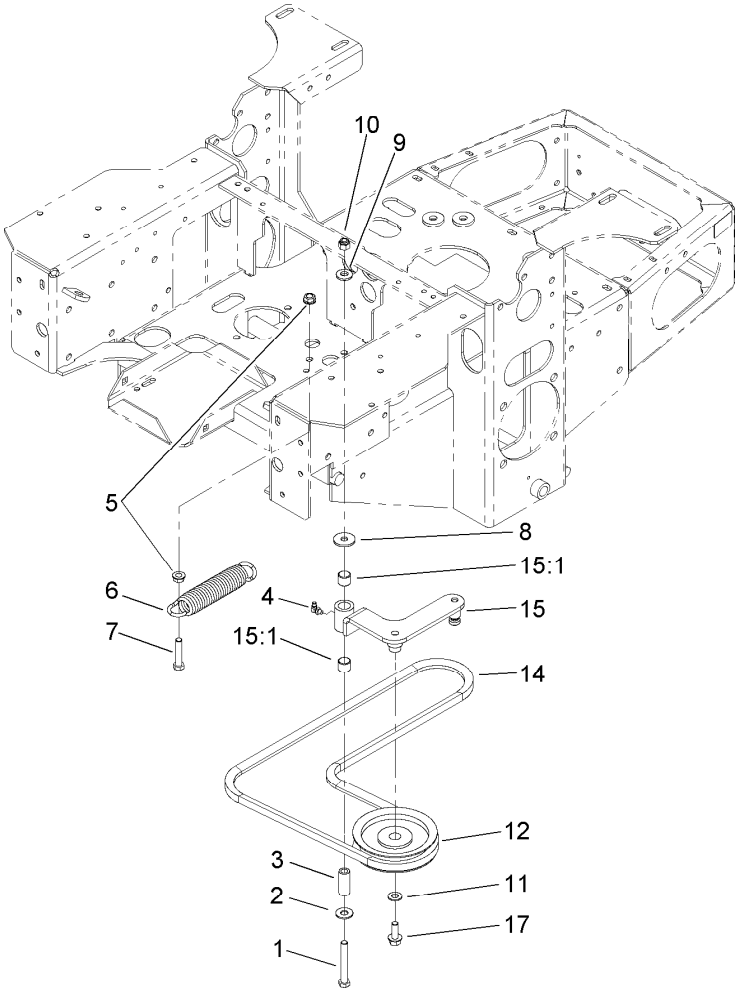
Ref.	Part Number	Qty.	Description
24	103-1947	1	HYD Reservoir ASM
24:1		1	Reservoir-HYD ●
24:1:1	103-1948	1	Cap-Reservoir, HYD
24:1:2	103-1949	1	Gasket-Cap
24:2	1-523552	1	Decal-Tank, HYD
25	103-3071-03	1	Stand-Reservoir
26	322-3	1	Screw-HH
27	321-3	2	Screw-HH
29	103-3077	1	HYD Hose ASM
30	103-2930	1	HYD Hose ASM
32	103-2889	1	Filter Head ASM
32:1	103-1912	2	Adapter-Straight
32:1:1	237-42	1	O-Ring
33	32128-20	2	Nut-HF
34	1-633750	1	Filter-Oil, HYD
34	1-633752	1	Filter-HYD, Winter
35	321-6	2	Screw-HH
36	1-805004	2	Washer-Lock
37	103-1716	3	Clamp-Hose
38	322-5	1	Screw-HH
39	103-3809	2	Hose-LH
40	1-603991	2	Fitting-Straight
40:1	237-80	1	O-Ring
40:2	1-603992	1	O-Ring
45	3256-22	2	Washer-Flat

● Not serviced separately



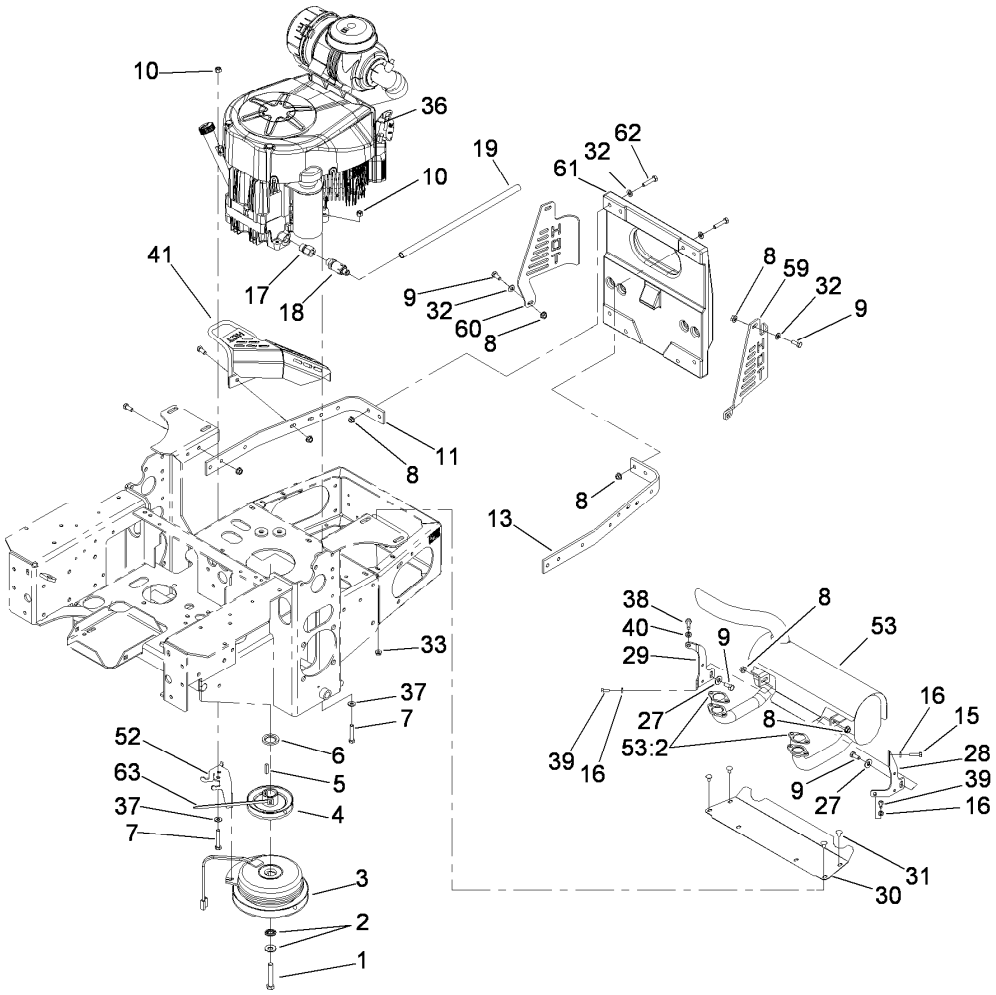
Hydraulic Pump Assembly No. 103-1942

Ref.	*Part Number*	*Qty.*	*Description*
1	105-6184	1	Seal Overhaul Kit
2	105-6185	1	Plate-Valve
3	103-2664	1	Input Shaft Kit
4	94-6922	1	Bearing-Thrust
5	103-2666	1	Cylinder Block Kit
7	106-2053	1	Shock Valve Kit



Pump Idler and Belt Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	323-13	1	Screw-HH
2	3256-4	1	Washer-Flat
3	1-603044	1	Bushing
4	302-40	1	Fitting-Grease
5	3290-357	2	Nut-HHF, Whiz
6	103-4480	1	Spring-Extension
7	323-9	1	Screw-HH
8	63-8410	1	Washer
9	98-5975	1	Washer-Belleville
10	3296-39	1	Nut-Lock, NI
11	3256-24	1	Washer-Flat
12	1-603843	1	Pulley-Idler
14	107-3960	1	Belt
15	103-4482	1	Idler Arm ASM
15:1	103-4681	2	Sleeve-Bearing
17	3234-11	1	Screw-HHF



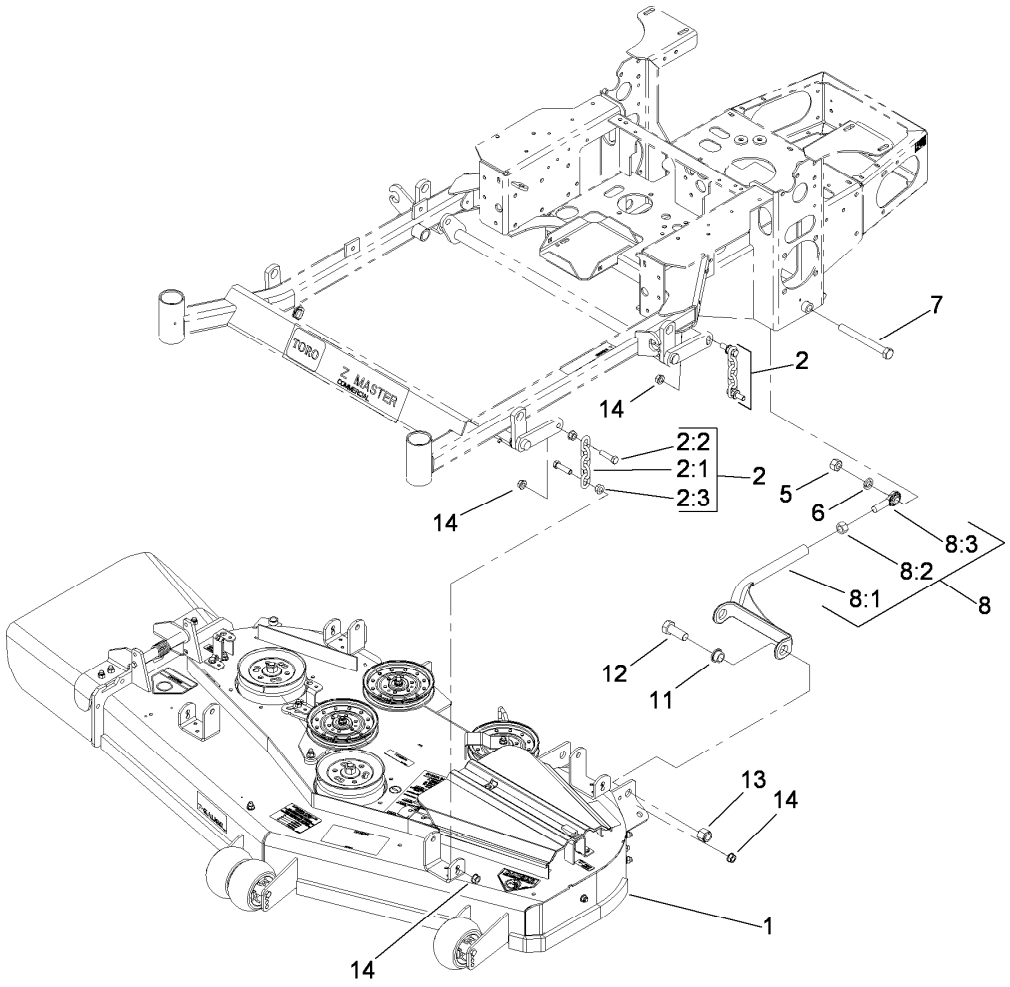
Engine, Clutch and Muffler Assembly

Ref.	Part Number	Qty.	Description
1	3212-12	1	Screw-HH
2	1-603610	2	Washer-Spring
3	109-2916	1	Clutch
4	103-3913	1	Pulley
5	1-807259	1	Key
6	103-2308	1	Spacer-Crankshaft
7	322-10	4	Screw-HH
8	32128-20	29	Nut-HF
9	322-3	15	Screw-HH
10	3296-29	4	Nut-Lock, NI
11	103-3078-03	1	Strap-Guard, RH
13	103-3164-03	1	Strap-Guard, LH
15	33113-025	1	Screw-HH
16	1-805004	3	Washer-Lock
17	103-1966	1	Adapter
18	92-6877	1	Valve-Drain, Oil
19	106-7022	1	Tube-Drain, Oil
27	3256-3	3	Washer-Flat
28	103-2993-03	1	Bracket-Muffler, LH
29	103-2994-03	1	Bracket-Muffler, RH

Ref.	Part Number	Qty.	Description
30	103-2740-03	1	Deflector-Short
31	3229-10	4	Screw-CARR
32	3256-23	12	Washer-Flat
33	32128-33	4	Nut-HF
36		1	Engine-Kawasaki, FH641V-Ds19 ●■
37	1-303334	4	Washer-Spring
38	33114-025	1	Screw-HH
39	33113-016	2	Screw-HH
40	1-805005	1	Washer-Lock
41	103-3218-03	1	Guard-Tailpipe
52	109-7070-03	1	Anchor-Clutch
53	103-3427	1	Muffler Kit
53:2	1-653313	2	Gasket-Exhaust
59	103-3287-03	1	Guard-Muffler, LH
60	103-3288-03	1	Guard-Muffler, RH
61	107-8421-03	1	Weight-Notched, 60 Lb
62	322-7	8	Screw-HH
63	1-303335	1	Tie-Plastic

● Not serviced separately

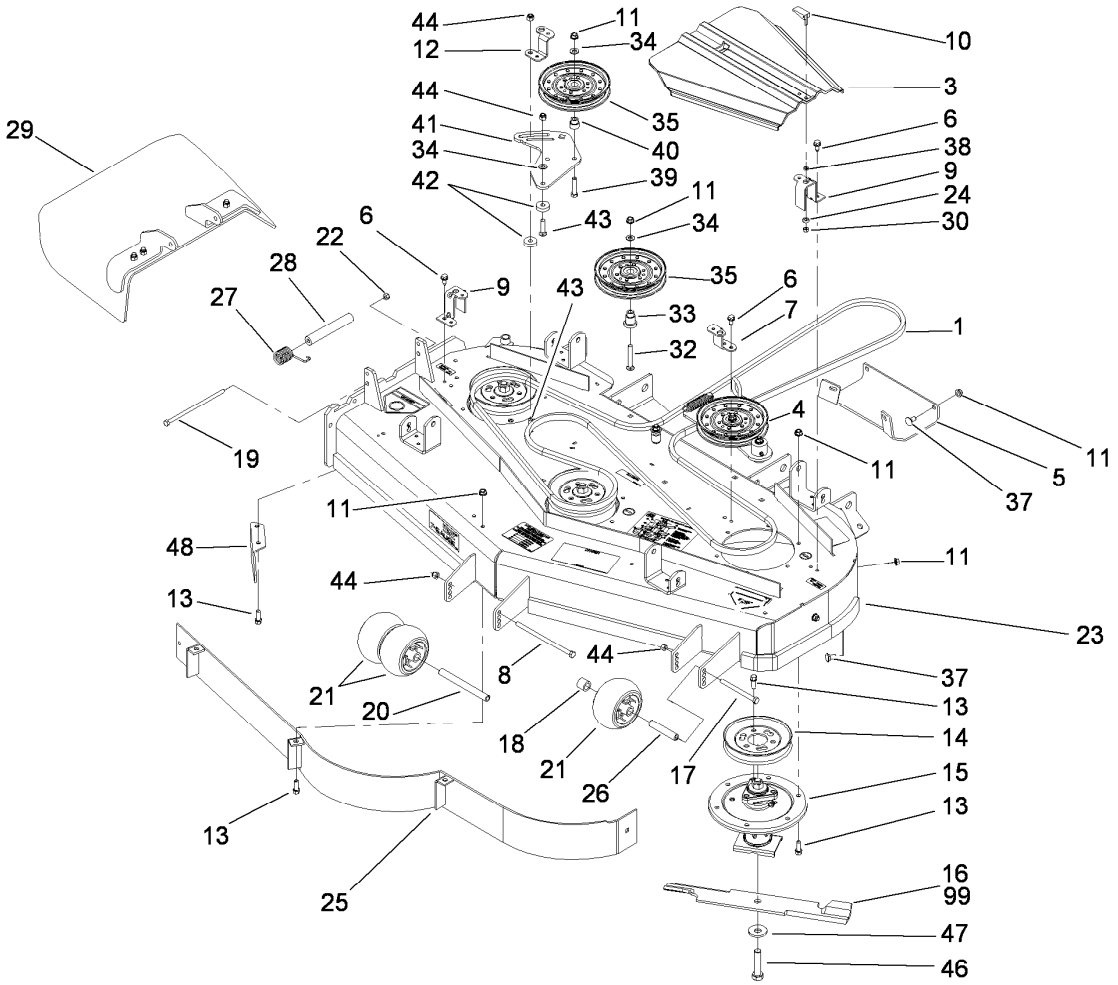
■ Obtain parts from www.kawpowerepc.com



Deck Connection Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Deck ASM ●
2	103-9792	4	Deck Chain ASM
2:1	1-633447	1	Chain-Lift, Deck
2:2	103-1898	2	Screw-HH
2:3	32128-37	2	Nut-HF
5	3217-11	2	Nut-Hex
6	3253-8	2	Washer-Lock
7	1-800344	2	Screw
8	108-7768	2	Strut ASM
8:1	108-7753-03	1	Strut-Deck
8:2	3219-6	1	Nut-Hex
8:3	1-633029	1	Balljoint-Spherical
11	93-2877	4	Bushing
12	328-24	4	Screw-HH
13	3296-51	4	Nut-Lock, NI
14	32128-37	8	Nut-HF

● Not serviced separately



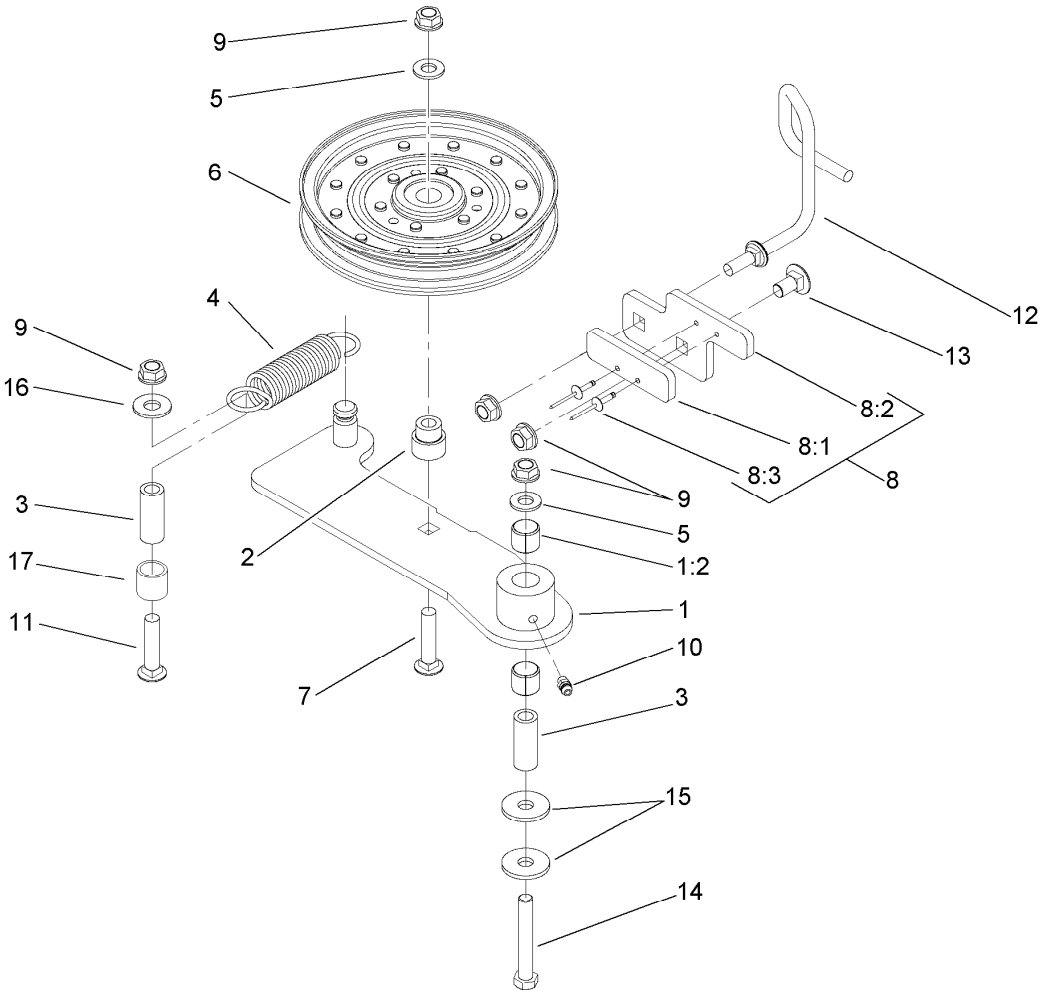
Deck Assembly

Ref.	Part Number	Qty.	Description
1	106-7369	1	Belt-V
3	107-8536	2	Cover-Belt
4		1	Spring Idler ASM ■
5	106-7358-01	1	Plate-Skid
6	32144-70	3	Screw-HWHTF
7	108-2177-01	1	Bracket-Cover, Tall
8	323-28	1	Screw-HH
9	108-4121-01	2	Bracket-Cover
10	106-6777	2	Handle-Latch, Swell
11	3290-357	37	Nut-HHF, Whiz
12	108-2178-01	1	Bracket-Cover, Short
13	92-1624	32	Screw-HWH
14	107-1683	3	Pulley
15	107-8504	3	Spindle ASM
16	105-7781-03	3	Blade-18 Inch (Hi Flow)
17	323-23	1	Screw-HH
18	98-7913	1	Tube-Spacer
19	322-50	1	Screw-HH
20	98-5967	1	Spacer-Wheel
21	1-603299	3	Roller-Scalp, Anti
22	3296-29	1	Nut-Lock, NI
23	114-1523	1	Deck Decal ASM
24	106-6778	2	Bushing-Latch, Swell
25	108-2185-01	1	Baffle ASM

Ref.	Part Number	Qty.	Description
26	98-7912	1	Tube-Spanner
27	108-4052	1	Spring-Torsion
28	105-4622	1	Spacer
29	108-7770	1	Rubber Deflector ASM
30	1-804254	2	Nut-Lock, HH
32	3231-31	1	Screw-CARR
33	106-3214	1	Mount-Pulley
34	3256-24	3	Washer-Flat
35	1-633109	2	Idler-Flat
37	3231-1	12	Screw-CARR
38	99-3058	2	Washer
39	323-9	1	Screw-HH
40	1-603496	1	Bushing-Idler
41	107-8516-01	1	Plate-Idler
42	105-7788	2	Spacer
43	3231-4	2	Screw-CARR
44	3296-39	4	Nut-Lock, NI
46	103-0862	3	Screw-Cap
47	103-0865	3	Washer-Blade Bolt, Heavy
48	106-3216-01	1	Baffle-Discharge
99	105-7779-03	1	Blade-Recycler ●
99	105-7796-03	1	Blade-Atomic ●
99	105-7794-03	1	Blade-Med Flow ●
99	105-7795-03	1	Blade-Low Flow ●

● Optional Equipment

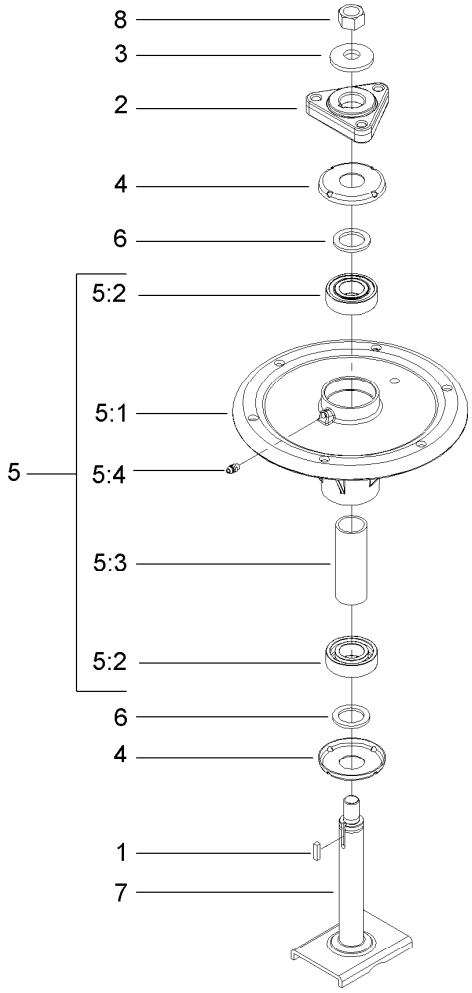
■ Not serviced separately



Idler Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	108-4062	1	Idler Arm ASM
1:2	103-4681	2	Sleeve-Bearing
2	1-603496	1	Bushing-Idler
3	1-603044	2	Bushing
4	108-4056	1	Spring-Extension
5	3256-24	2	Washer-Flat
6	1-633109	1	Idler-Flat
7	3231-6	1	Screw-CARR
8		1	Stop Pad ASM ●
8:1	106-3229	1	Pad-Bumper
8:2	107-1697-01	1	Plate-Stop
8:3	3269-24	2	Rivet
9	3290-357	5	Nut-HHF, Whiz
10	302-5	1	Fitting-Grease
11	3231-31	1	Screw-CARR
12	108-4072	1	Guide-Belt
13	3231-1	1	Screw-CARR
14	323-12	1	Screw-HH
15	2844	2	Washer
16	3256-4	1	Washer-Flat
17	108-4063	1	Spacer-Rubber

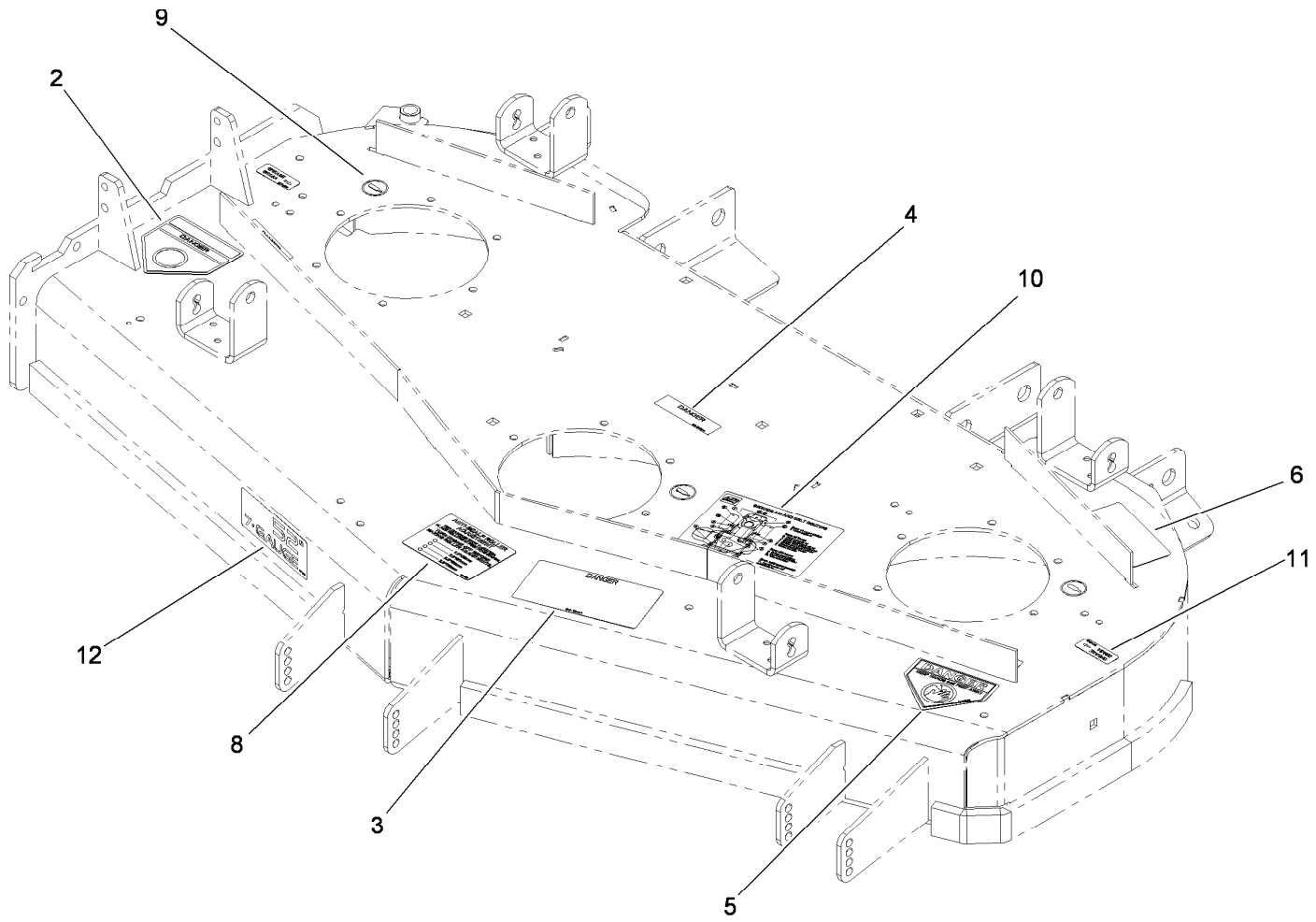
● Not serviced separately



Spindle Assembly No. 107-8504

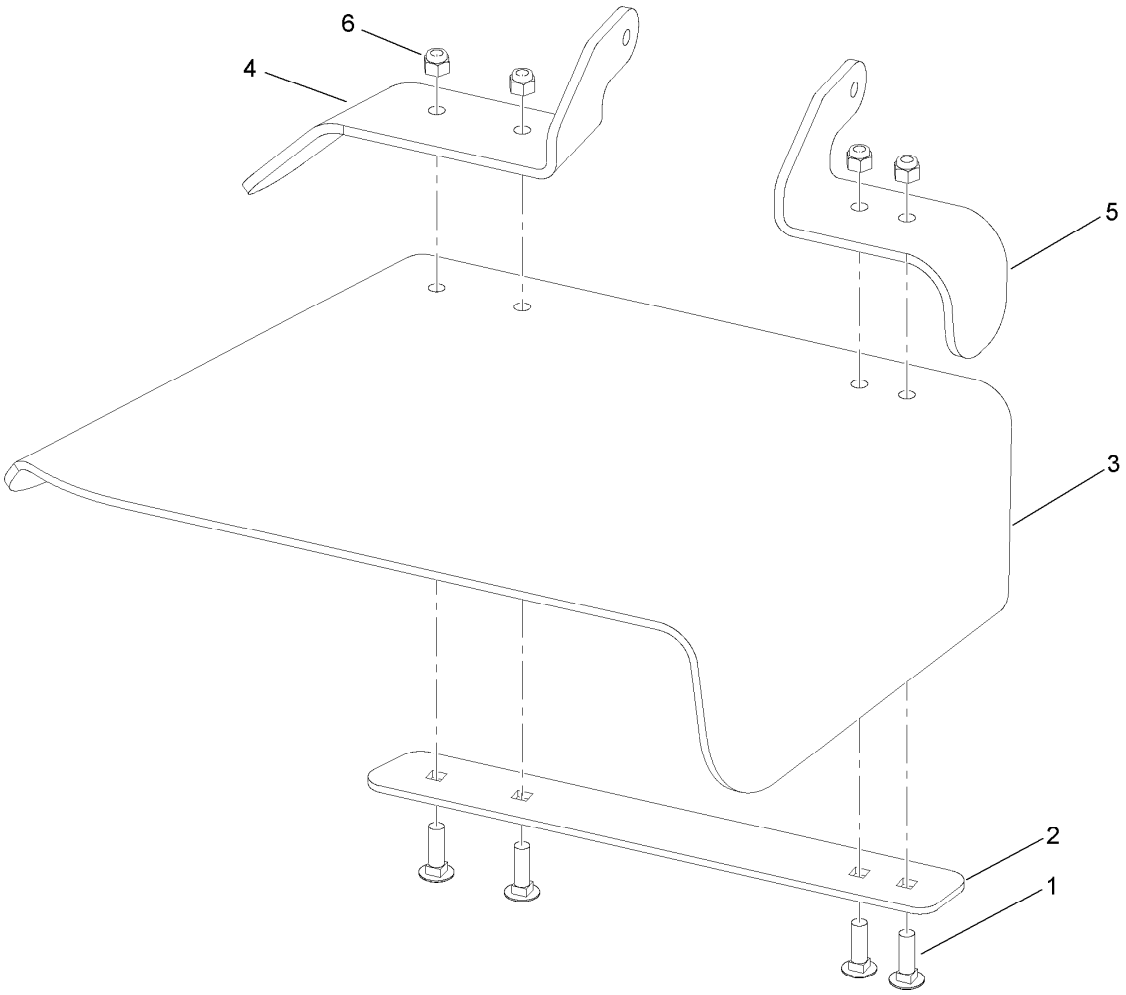
Ref.	*Part Number*	*Qty.*	*Description*
1	10-8040	1	Key-Square
2	106-3277	1	Hub-Pulley
3	103-0865	1	Washer-Blade Bolt, Heavy
4	106-3204	2	Shield-Bearing
5		1	Spindle Bearing ASM ●
5:1	106-3211	1	Housing-Spindle
5:2	113514	2	Bearing-Ball
5:3	107-8502	1	Spacer-Bearing
5:4	302-5	1	Fitting-Grease
6	3-8514	2	Washer-Thrust
7	107-8501	1	Spindle ASM
8	3219-6	1	Nut-Hex

● Not serviced separately



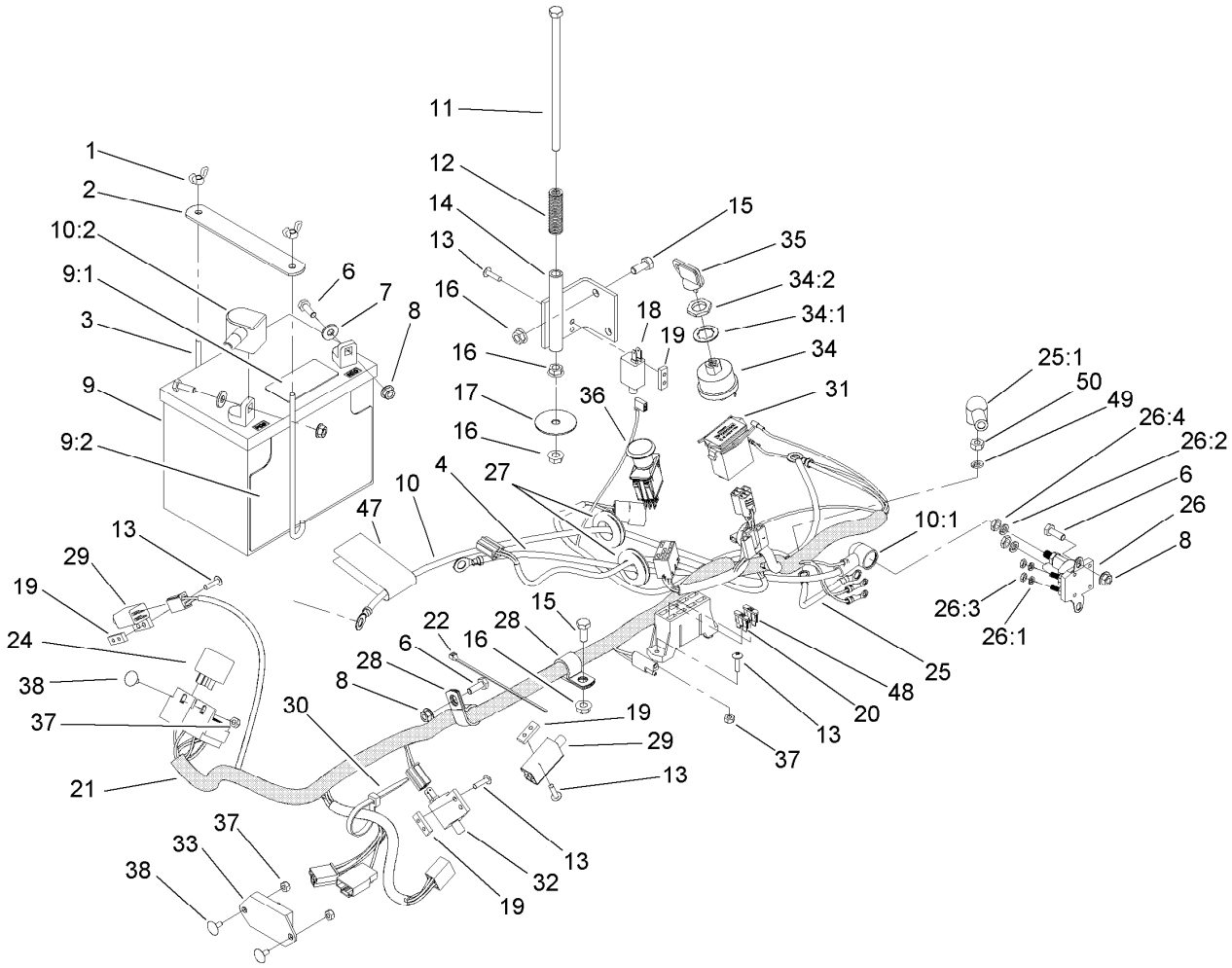
Deck Decal Assembly No. 114-1523

Ref.	*Part Number*	*Qty.*	*Description*
2	54-9220	1	Decal-Danger
3	66-1340	1	Decal-Danger, Thrown Object
4	98-5954	3	Decal-Cover, Missing
5	1-403005	1	Decal-Danger
6	68-8340	1	Decal-Torque
8	105-7798	1	Decal-Scalp, Anti
9	58-6520	3	Decal-Grease
10	107-1687	1	Decal-Aid, Service
11	107-1613	2	Decal-Grease
12	107-1696	1	Decal



Rubber Deflector Assembly No. 108-7770

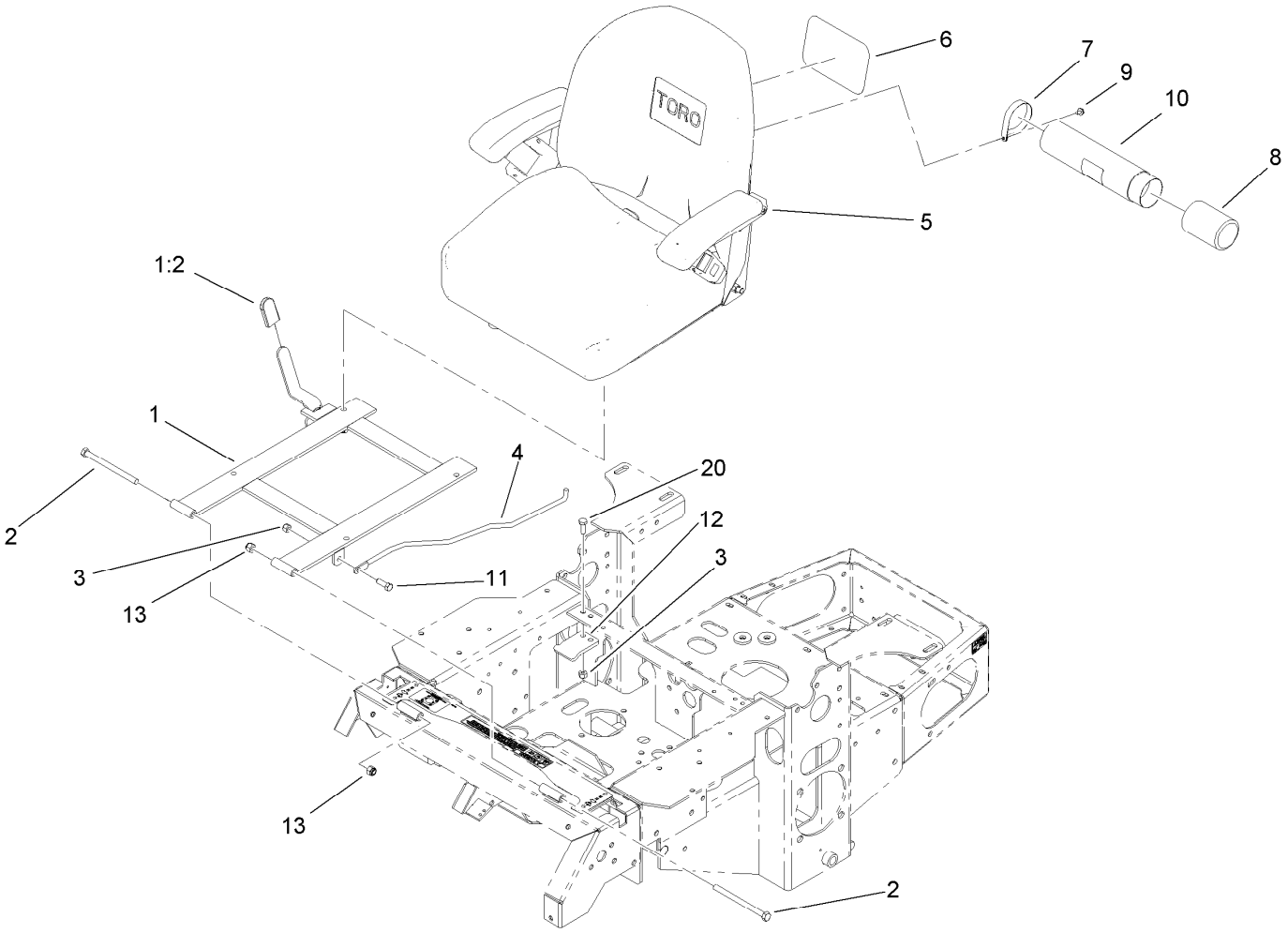
Ref.	*Part Number*	*Qty.*	*Description*
1	3231-25	4	Screw-CARR
2	106-3248-03	1	Strap-Discharge
3	108-5029	1	Deflector-Rubber
4	108-7767-03	1	Bracket-Hinge, Rear
5	108-7766-03	1	Bracket-Hinge, Front
6	3296-39	4	Nut-Lock, NI



Electrical System Assembly

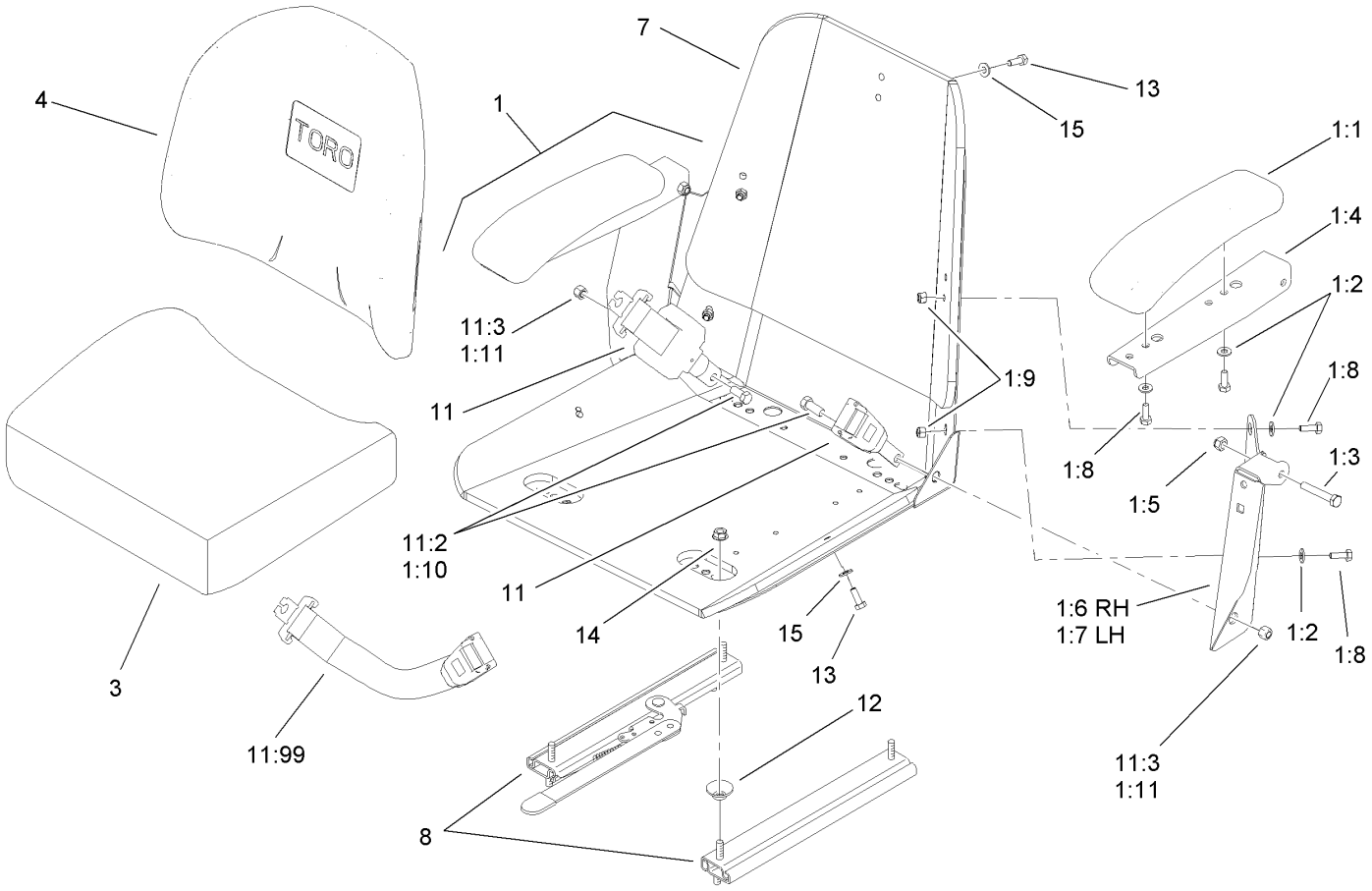
Ref.	Part Number	Qty.	Description
1	1-543792	2	Wingnut
2	107-9277-03	1	Strap-Holddown, Battery
3	1-633651	2	Bolt-Holddown
4	103-0705	1	Cable-Ground, Negative
6	321-4	5	Screw-HH
7	3256-2	2	Washer-Flat
8	32128-33	5	Nut-HF
9	105-1692	1	Battery
9:1	104-4163	1	Decal-Battery
9:2	104-4164	1	Decal-Battery
10	109-7621	1	Positive Battery Cable ASM
10:1	1-543393	1	Insulator-Solenoid
10:2	109-2407	1	Insulator-Battery
11	1-800282	1	Screw-HH
12	1-523415	1	Spring-Switch, Seat
13	1-803075	10	Screw-Head, Truss
14	1-652072-03	1	Bracket-Switch, Seat
15	322-3	3	Screw-HH
16	32128-20	5	Nut-HF
17	1-653036	1	Washer
18	1-513152	1	Switch-Closed, Normally
19	1-633181	4	Plate-Tapped
20	109103	1	Fuse-Blade, 30 Amp
21	110-0318	1	Harness-Electrical
22	1-303287	3	Tie-Cable
24	1-643275	2	Relay

Ref.	Part Number	Qty.	Description
25	109-7620	1	Positive Starter Cable ASM
25:1	1-543393	2	Insulator-Solenoid
26	1-513075	1	Switch-Solenoid
26:1	3253-17	2	Washer-Lock
26:2	3253-4	2	Washer-Lock
26:3	3219-14	2	Nut-Hex
26:4	3220-2	2	Nut-Jam
27	1-543286	2	Grommet
28	1-633396	2	Clip-Loom
29	1-513051	2	Switch-Open, Normally
30	1-303335	4	Tie-Plastic
31	1-513374	1	Meter-Hour
32	1-633111	1	Switch
33	100-6186	1	Module-Delay, Seat
34	104-2541	1	Switch ASM
34:1	218-461	1	Nut-HH
34:2	3254-5	1	Washer-Tooth, Internal
35	63-8360	2	Key-Ignition
36	103-5221	1	Switch-PTO
37	3296-2	6	Nut-Lock, NI
38	1-807513	4	Bolt-CARR
47	107-9309	1	Decal-Instructions, Charging
48	109102	1	Fuse-Blade, 25 Amp
49	1-805004	1	Washer-Lock
50	3217-5	1	Nut-Hex



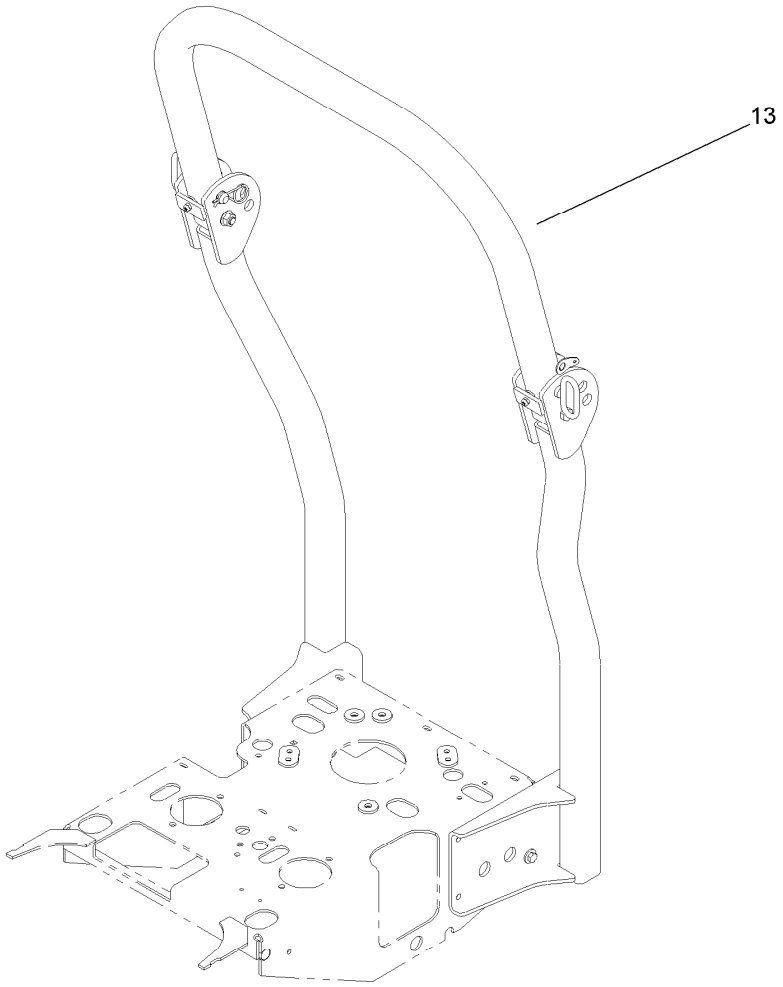
Seat and Bracket Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	110-5850	1	Seat Frame And Latch ASM
1:2	103-4434	1	Grip-Lever
2	323-39	2	Screw-HH
3	3296-29	3	Nut-Lock, NI
4	103-1731	1	Rod-Retainer, Seat
5	110-0446	1	Seat ASM
6	99-4693	1	Decal
7	2412-120	2	R-Clamp
8	104-7048	1	Cap-Housing
9	32104-76	2	Screw
10	104-7050	1	Tube-Manual
11	322-5	1	Screw-HH
12	103-5961	1	Catch-Latch, Seat
13	3296-39	2	Nut-Lock, NI
20	322-4	2	Screw-HH



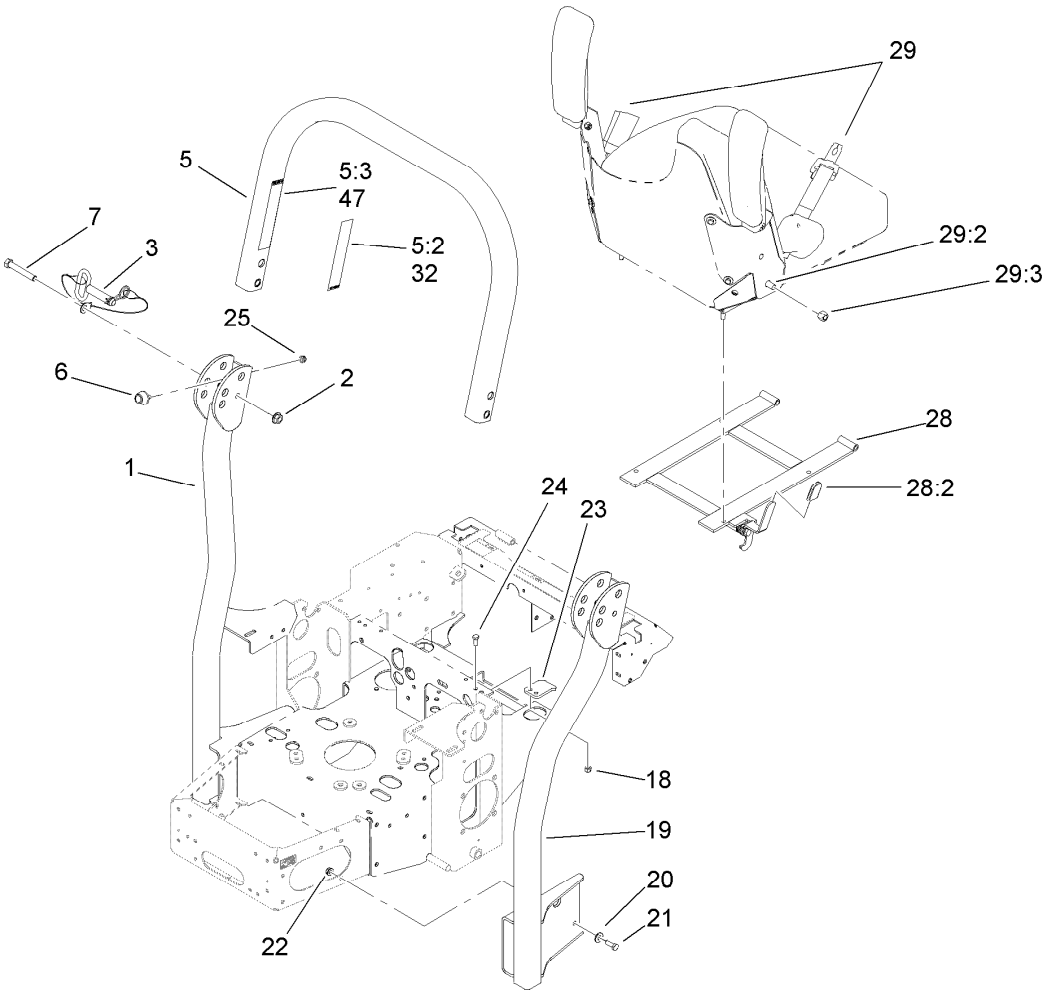
Seat and Bracket Assembly No. 110-0446

Ref.	*Part Number*	*Qty.*	*Description*
1	110-5719	1	Armrest Kit
1:1	110-4163	2	Cushion-Rest, Arm
1:2	3256-22	4	Washer-Flat
1:3	322-10	2	Screw-HH
1:4	105-3623	2	Channel-Armrest
1:5	32153-3	2	Nut-Hex, Side Deform
1:6	105-3621	1	Bracket-Armrest, RH
1:7	105-3622	1	Bracket-Armrest, LH
1:8	321-30	8	Screw-HH
1:9	3296-42	4	Nut-Lock, NI
1:10	325-2	2	Screw-HH
1:11	3296-23	2	Nut-Lock, NI
3	110-4162	1	Cushion-Seat, Bottom
4	110-0447	1	Cusion-Seat, Back
7	1-633859	1	Frame-Seat
8	1-643255	1	Track-Seat
11	110-0883	1	Retractable Seatbelt Kit
11:2	3212-4	2	Screw-HH
11:3	3296-7	2	Nut-Lock
11:99	109-6226	1	Seat Belt Extension Kit
12	1-543401	4	Spacer-Track
13	321-30	5	Screw-HH
14	32128-20	4	Nut-HF
15	3256-22	5	Washer-Flat



Roll-Over Protection System Assembly

Ref.	*Part Number*	*Qty.*	*Description*
13	107-8093	1	ROPS ASM

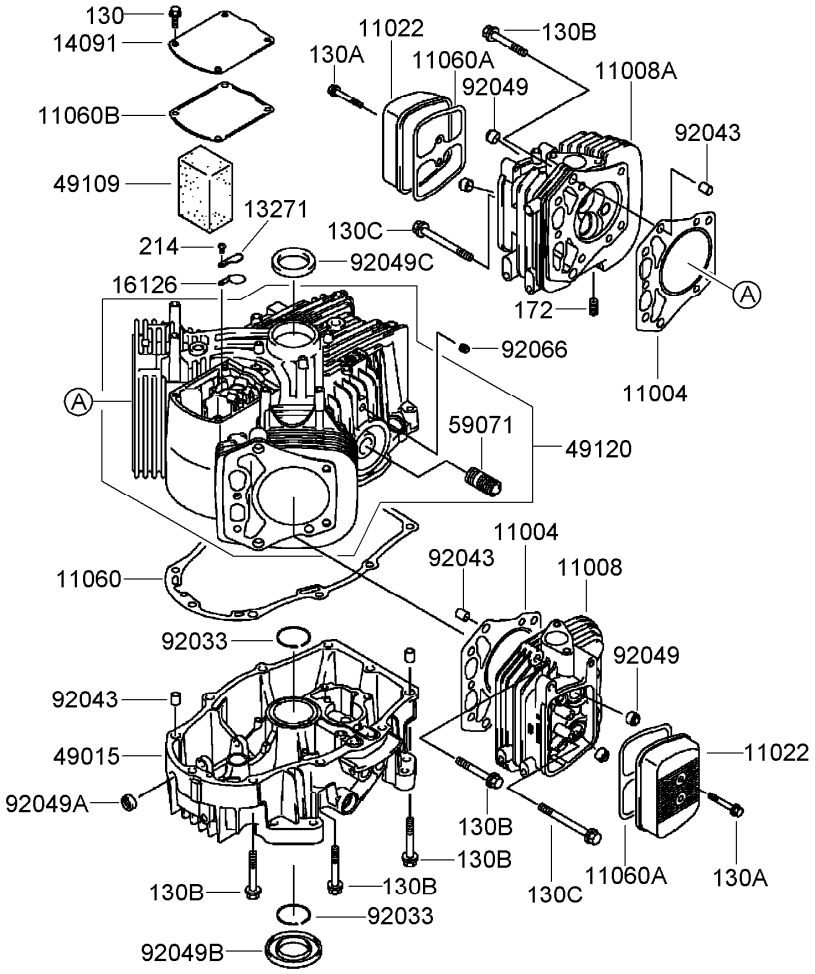


Roll-Over Protection System Assembly No. 107-8093

Ref.	*Part Number*	*Qty.*	*Description*
1		1	LH Tube Support ASM ■
2	32128-23	2	Nut-HF
3	103-4553	2	ROPS Fold Pin ASM
5		1	Upper Tube ASM ■
5:2	107-2100	1	Decal
5:3	107-2102	1	Decal-Warning, Folding ROPS
6	109-2365	2	Rubber Bumper ASM (W/Stud)
7	325-13	2	Screw-HH
18	3296-29	2	Nut-Lock, NI
19		1	RH Tube Support ASM ■
20	98-5975	8	Washer-Belleville
21	323-6	8	Screw-HH
22	3290-357	8	Nut-HHF, Whiz
23	107-3059	1	Catch-Latch, Seat
24	322-4	2	Screw-HH
25	3296-73	2	Nut-Lock, NI
28	110-5850	1	Seat Frame And Latch ASM
28:2	103-4434	1	Grip-Lever
29	110-0883	1	Retractable Seatbelt Kit
29:2	3212-4	2	Screw-HH
29:3	3296-7	2	Nut-Lock
29:99	109-6226	1	Seat Belt Extension Kit ●
32	107-3069	1	Decal-Warning, Folding ROPS
47	107-2102	1	Decal-Warning, Folding ROPS

● Not illustrated

■ Not serviced separately

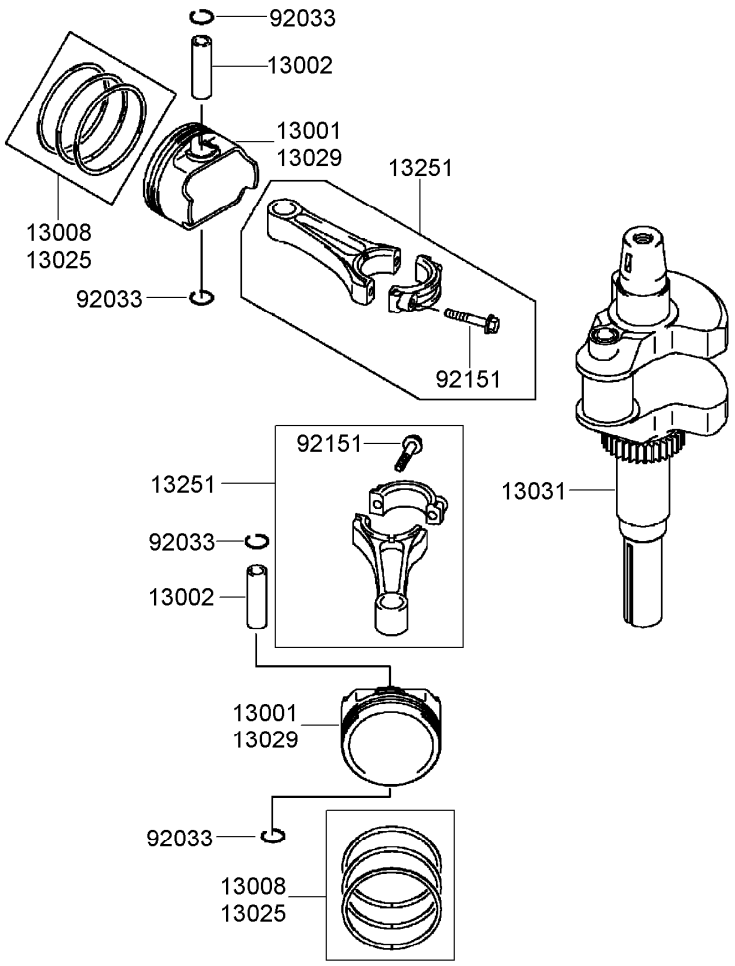


Cylinder and Crankcase Assembly
Kawasaki FH641V-DS19-R

Ref.	Part Number	Qty.	Description
11004	11004-7006	2	Gasket-Head ●
11008	11008-7023	1	Head-Cylinder, No.2 ●
11008A	11008-7024	1	Head-Cylinder, No.1 ●
11022	11022-7002	2	Case-Rocker ●
11060	11060-7012	1	Gasket-Cover, Crankcase ●
11060A	11060-7013	2	Gasket-Case, Rocker ●
11060B	11060-7014	1	Gasket-Breather ●
13271	13271-7006	1	Plate ●
14091	14091-7004	1	Cover ●
16126	16126-7001	1	Valve ●
49015	49015-7064	1	Cover-Crankcase ●
49109	49109-7003	1	Element-Breather ●
49120	49120-7037	1	Crankcase ●
59071	59071-2079	1	Joint ●
92033	92033-7004	2	Ring-Snap ●
92043	92043-7001	6	Pin ●

Ref.	Part Number	Qty.	Description
92049	92049-7001	4	Seal-Oil, R V C2 (6X11X10.2) ●
92049A	92049-7005	1	Seal-Oil, S O (8X14X5 H S) ●
92049B	92049-7011	1	Seal-Oil, S D (35X62X8 L H S) ●
92049C	92049-7014	1	Seal-Oil, S D (35X52X7 R H S) ●
92066	92066-7002	1	Plug ●
130	130B0612	4	Bolt-Flanged (6X12) ●
130A	130B0640	4	Bolt-Flanged (6X40) ●
130B	130T0850	18	Bolt-Flanged (8X50) ●
130C	130T0875	2	Bolt-Flanged (8X75) ●
172	172G0818	4	Bolt-Stud (8X18) ●
214	214B0408	1	Screw-Pan (4X8) ●

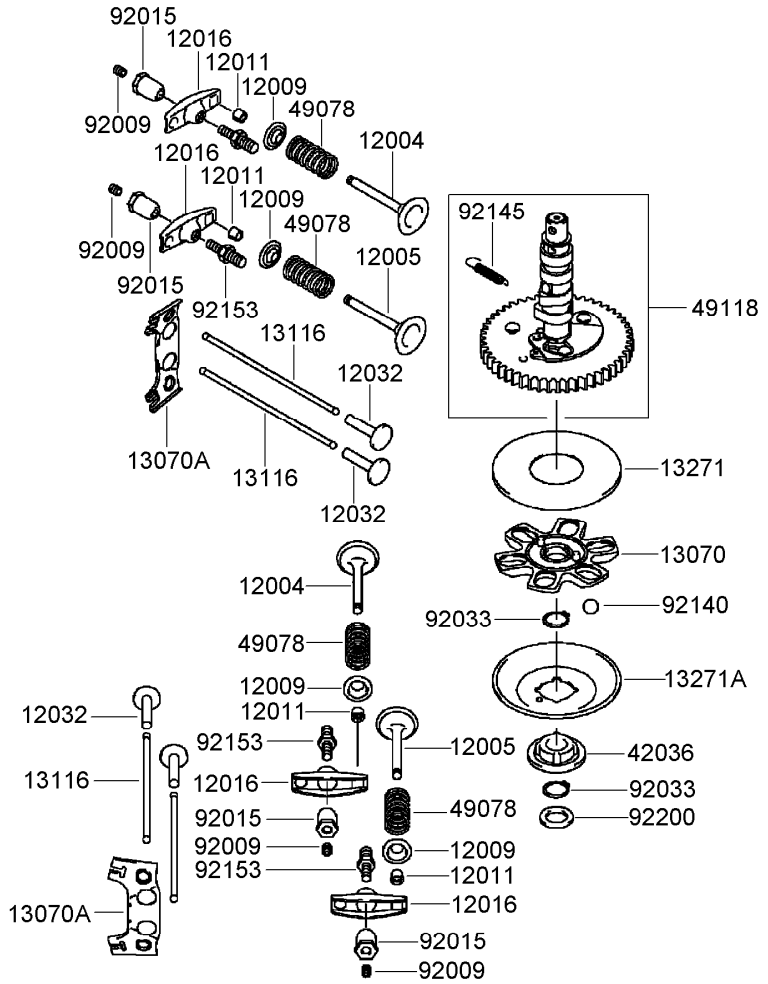
● Obtain parts from www.kawpowerepc.com



Piston and Crankshaft Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
13001	13001-7007	2	Piston-Engine ●
13002	13002-7001	2	Pin-Piston ●
13008	13008-6058	2	Piston Ring Set ●
13025	13025-7002	1	Piston Ring Set (L, 0.50) ●
13029	13029-7003	1	Piston-Engine (L, 0.50) ●
13031	13031-7048	1	Crankshaft ●
13251	13251-7005	2	Connecting Rod ASM ●
92033	92033-7002	4	Ring-Snap ●
92151	92151-7017	4	Bolt (6X35) ●

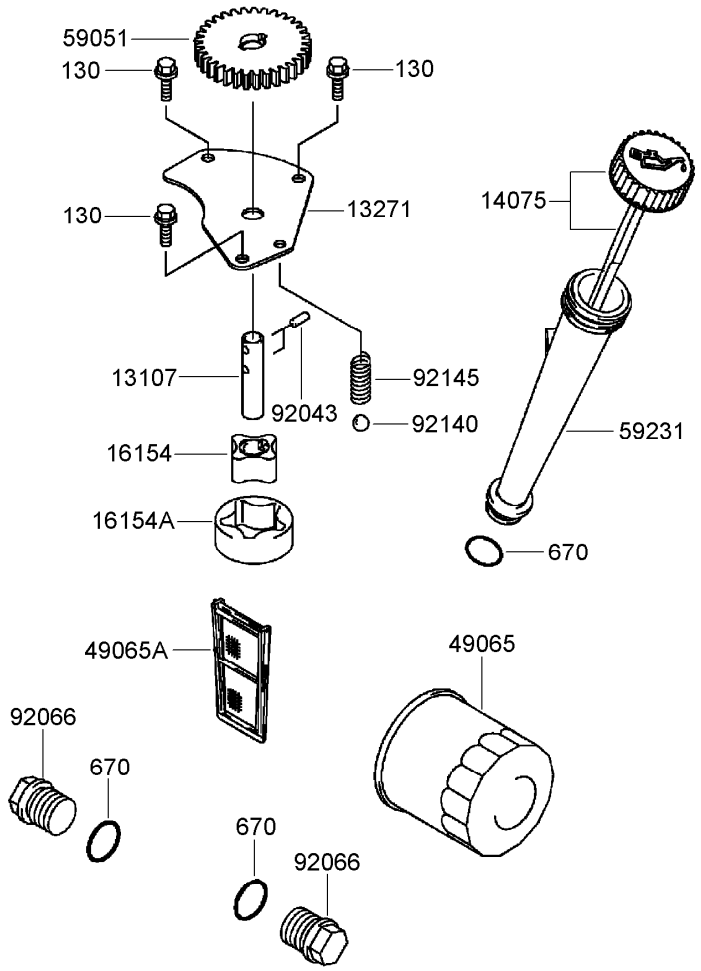
● Obtain parts from www.kawpowerepc.com



Valve and Camshaft Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
12004	12004-7002	2	Valve-Intake ●
12005	12005-7004	2	Valve-Exhaust ●
12009	12009-7001	4	Retainer-Spring, Valve ●
12011	12011-2056	8	Collet ●
12016	12016-7007	4	Arm-Rocker ●
12032	12032-7001	4	Tappet ●
13070	13070-7004	1	Guide ●
13070A	13070-7007	2	Guide ●
13116	13116-7002	4	Rod-Push ●
13271	13271-7007	1	Plate ●
13271A	13271-7021	1	Plate-Governor ●
42036	42036-7010	1	Sleeve ●
49078	49078-7002	4	Spring-Valve, Engine (Intake) ●
49118	49118-7007	1	Camshaft ●
92009	92009-2341	4	Screw ●
92015	92015-2253	4	Nut ●
92033	92033-7001	2	Ring-Snap ●
92140	92140-7002	6	Ball ●
92145	92145-7001	1	Spring ●
92153	92153-7019	4	Bolt ●
92200	92200-7001	1	Washer ●

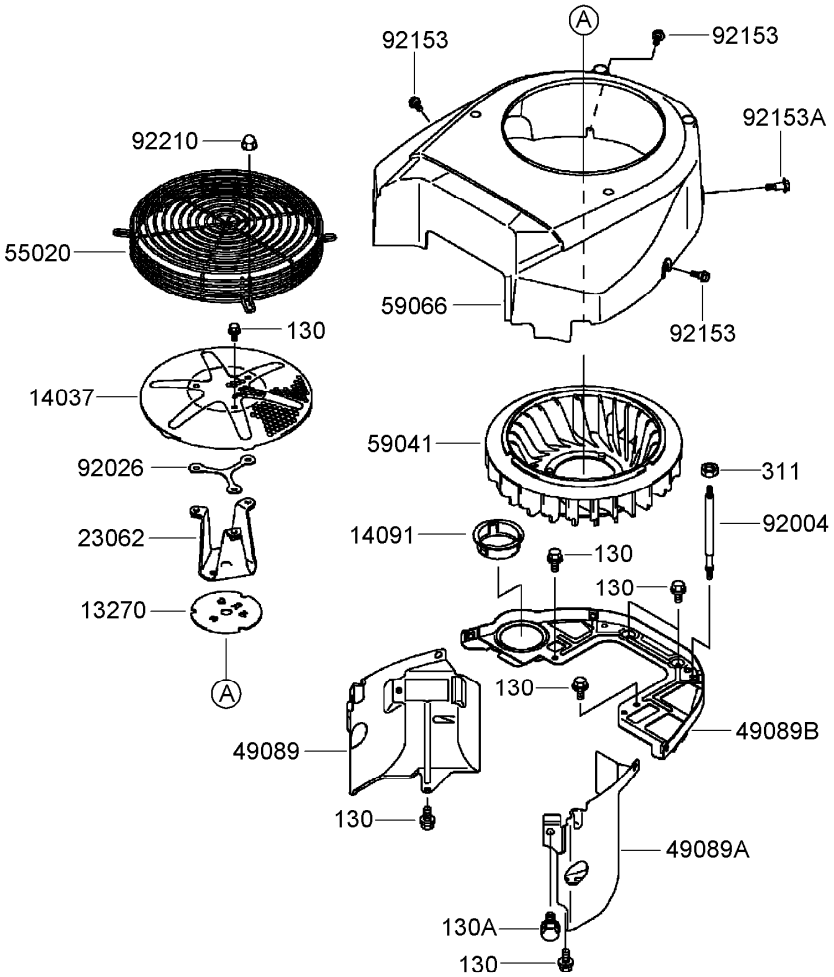
● Obtain parts from www.kawpowerepc.com



Lubrication Equipment Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*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 ●
130	130B0612	3	Bolt-Flanged (6X12) ●
670	670D2016	3	O-Ring (16Mm) ●

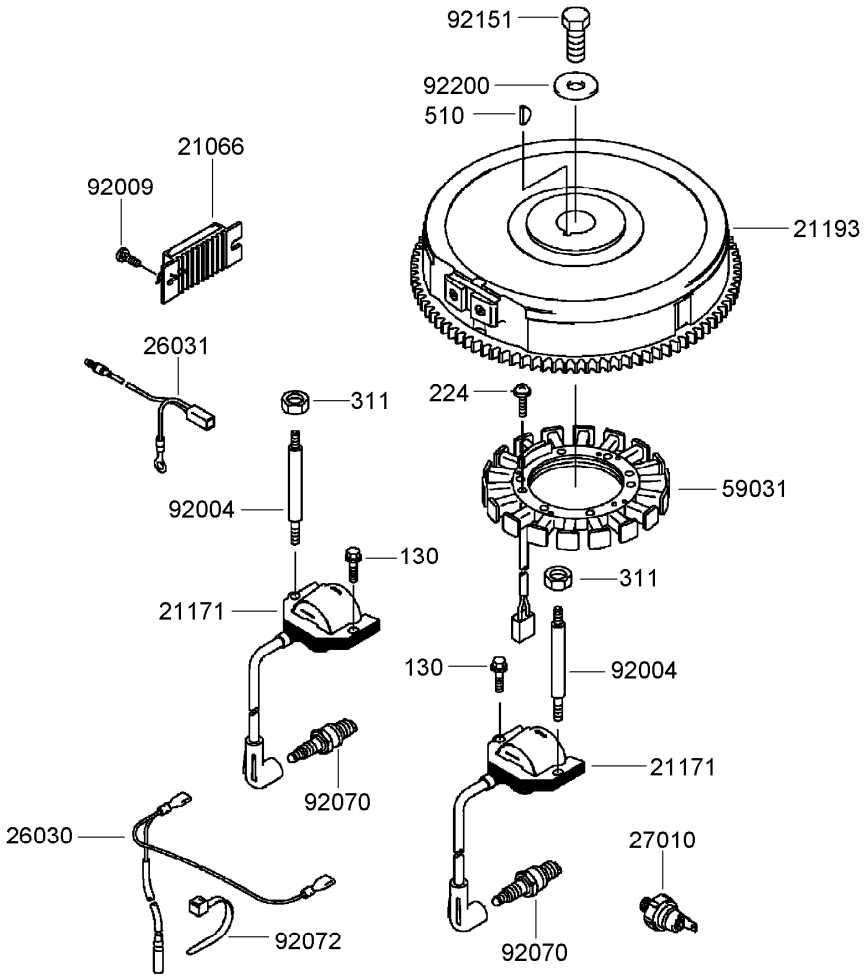
● Obtain parts from www.kawpowerepc.com



Cooling Equipment Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
13270	13270-7007	1	Plate ●
14037	14037-7008-9H	1	Screen ●
14091	14091-7002	1	Cover ●
23062	23062-7005	1	Bracket ●
49089	49089-7004	1	Shroud-Engine ●
49089A	49089-7005	1	Shroud-Engine ●
49089B	49089-7049	1	Shroud-Engine ●
55020	55020-7007	1	Guard ●
59041	59041-7003	1	Fan ●
59066	59066-7004	1	Housing-Fan ●
92004	92004-7006	2	Stud ●
92026	92026-7007	1	Spacer ●
92153	92153-7007	3	Bolt ●
92153A	92153-7008	1	Bolt ●
92210	92210-0003	4	Nut ●
130	130B0612	9	Bolt-Flanged (6X12) ●
130A	130B0816	1	Bolt-Flanged (8X16) ●
311	311B0600	2	Nut-Hex (6Mm) ●

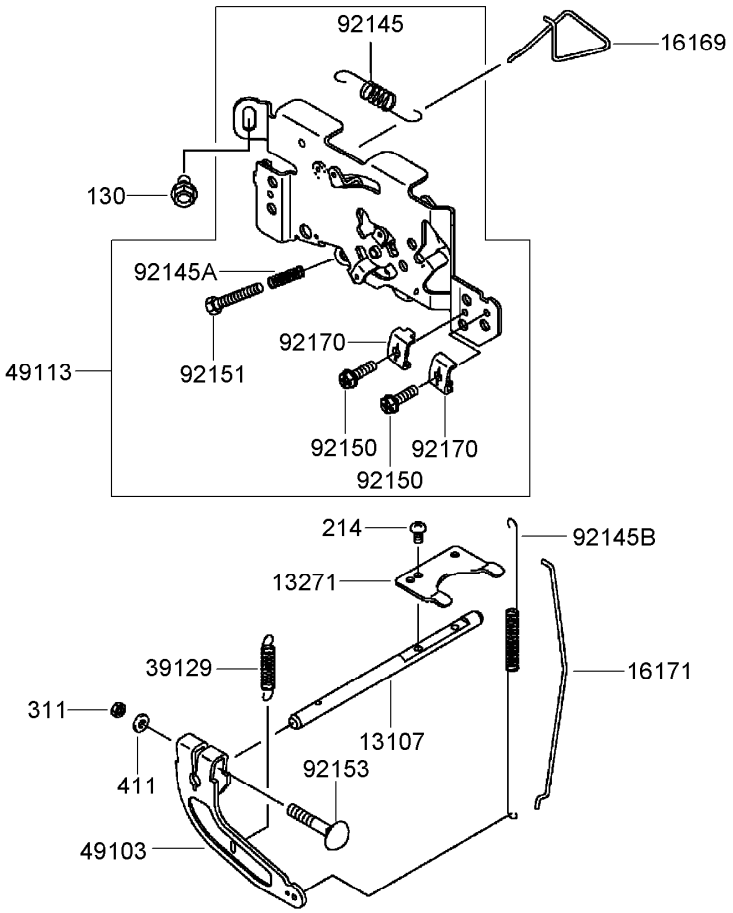
● Obtain parts from www.kawpowerepc.com



Electric Equipment Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
21066	21066-7011	1	Regulator-Voltage ●
21171	21171-7013	2	Ignition Coil ASM ●
21193	21193-7019	1	Flywheel ASM ●
26030	26030-7002	1	Harness ●
26031	26031-7003	1	Harness ●
27010	27010-7001	1	Switch ●
59031	59031-7009	1	Coil-Charging ●
92004	92004-7009	2	Stud ●
92009	92009-2308	1	Screw ●
92070	92070-7004	2	Sparkplug (B P R4 E S (N G K) Solid) ●
92072	92072-7003	3	Band ●
92151	92151-2097	1	Bolt (12X30) ●
92200	92200-7002	1	Washer ●
130	130B0620	2	Bolt-Flanged (6X20) ●
224	224B0520	4	Screw-Pan (5X20) ●
311	311B0600	2	Nut-Hex (6Mm) ●
510	510A5100	1	Key-Woodruff ●

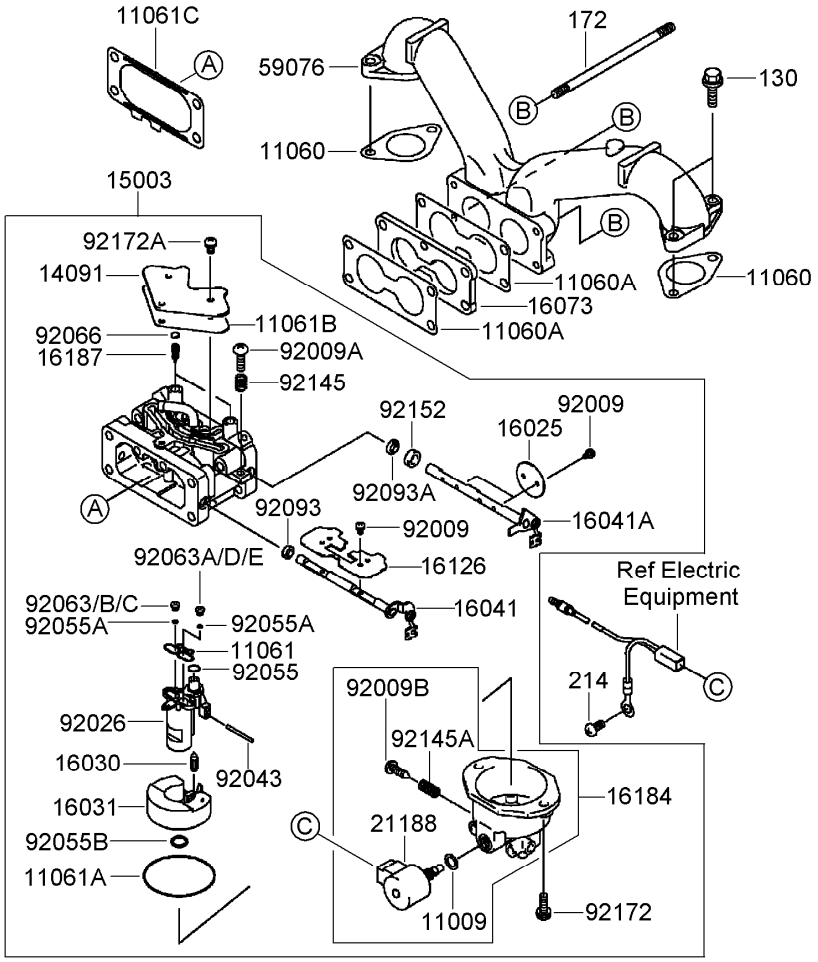
● Obtain parts from www.kawpowerepc.com



Control Equipment Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
13107	13107-7013	1	Shaft ●
13271	13271-7032	1	Plate ●
16169	16169-7006	1	Link-Choke ●
16171	16171-7004	1	Link ●
39129	39129-7004	1	Spring-Governor ●
49103	49103-7004	1	Arm-Governor ●
49113	49113-7017	1	Panel-Control ●
92145	92145-7004	1	Spring ●
92145A	92145-7005	1	Spring ●
92145B	92145-7034	1	Spring ●
92150	92150-2182	2	Bolt (5X18) ●
92151	92151-7014	1	Bolt (5X30) ●
92153	92153-7033	1	Bolt (6X35) ●
92170	92170-7001	2	Clamp ●
130	130B0612	2	Bolt-Flanged (6X12) ●
214	214B0408	2	Screw-Pan (4X8) ●
311	311B0600	1	Nut-Hex (6Mm) ●
411	411B0600	1	Washer-Plain (6Mm) ●

● Obtain parts from www.kawpowerepc.com

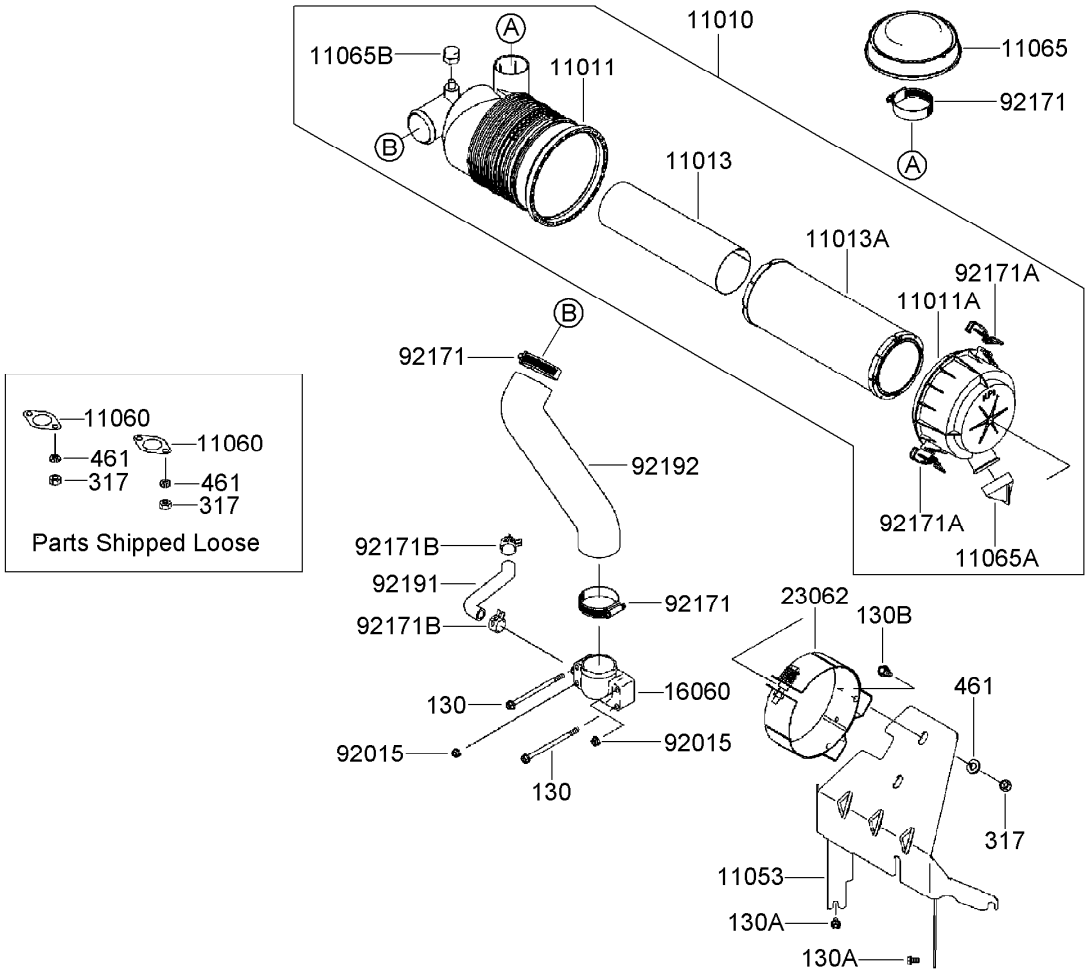


Carburetor Assembly
Kawasaki FH641V-DS19-R

Ref.	Part Number	Qty.	Description
11009	11009-2056	1	Gasket ●
11060	11060-7011	2	Gasket-Manifold ●
11060A	11060-7024	2	Gasket-Carburetor ●
11061	11061-7037	1	Gasket ●
11061A	11061-7038	1	Gasket ●
11061B	11061-7039	1	Gasket ●
11061C	11061-7043	1	Gasket ●
14091	14091-7031	1	Cover ●
15003	15003-7119	1	Carburetor ASM ●
16025	16025-7003	2	Valve-Throttle ●
16030	16030-7004	1	Valve-Float ●
16031	16031-7003	1	Float ●
16041	16041-7021	1	Shaft-Carburetor ●
16041A	16041-7023	1	Shaft-Carburetor ●
16073	16073-7005	1	Insulator ●
16126	16126-7015	1	Valve ●
16184	16184-7017	1	Chamber Float ASM ●
16187	16187-7002	2	Needle-Jet ●
21188	21188-7003	1	Solenoid ●
59076	59076-7002	1	Manifold-Intake ●
92009	92009-7003	6	Screw ●
92009A	92009-7004	1	Screw ●
92009B	92009-7006	1	Screw-Drain ●

Ref.	Part Number	Qty.	Description
92026	92026-7011	1	Spacer ●
92043	92043-7014	1	Pin ●
92055	92055-7012	1	O-Ring ●
92055A	92055-7013	2	O-Ring ●
92055B	92055-7016	1	O-Ring ●
92063	92063-7051	1	Jet-Main, No.104 ●
92063A	92063-7054	1	Jet-Main, No.108 ●
92063B	92063-7075	1	Jet-Main, No.101 (3280 Ft) ●
92063C	92063-7076	1	Jet-Main, No.098 (6560 Ft) ●
92063D	92063-7077	1	Jet-Main, No.105 (3280 Ft) ●
92063E	92063-7078	1	Jet-Main, No.102 (6560 Ft) ●
92066	92066-7009	2	Plug-Expansion ●
92093	92093-7001	1	Seal (I D 5.9) ●
92093A	92093-7002	1	Seal (I D 6.9) ●
92145	92145-7010	1	Spring ●
92145A	92145-7011	1	Spring ●
92152	92152-7005	1	Collar ●
92172	92172-7005	2	Screw (M5) ●
92172A	92172-7006	3	Screw (M4) ●
130	130B0620	4	Bolt-Flanged (6X20) ●
172	172G06105	2	Bolt-Stud (6X10.5) ●
214	214B0510	1	Screw-Pan (5X10) ●

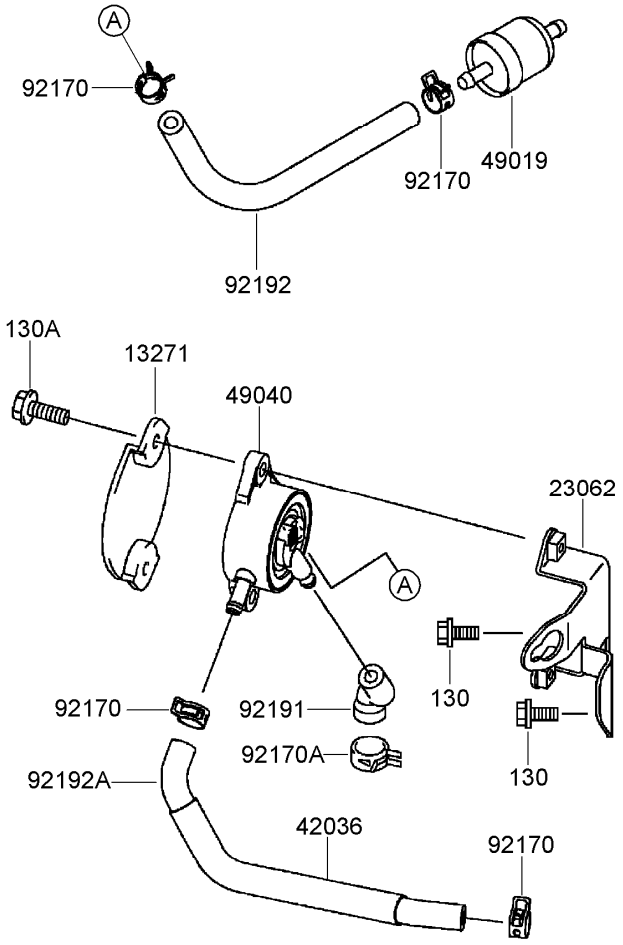
● Obtain parts from www.kawpowerepc.com



Air Filter and Muffler Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
11010	11010-7011	1	Air Filter ASM ●
11011	11011-7013	1	Case-Filter, Air ●
11011A	11011-7014	1	Case-Filter, Air ●
11013	11013-7019	1	Element-Filter, Air ●
11013A	11013-7020	1	Element-Filter, Air ●
11053	11053-7016	1	Bracket ●
11060	11060-7016	2	Gasket-Muffler ●
11065	11065-7006	1	Cap ●
11065A	11065-7008	1	Cap ●
11065B	11065-7009	1	Cap ●
16060	16060-7021	1	Pipe-Intake ●
23062	23062-7009	1	Bracket ●
92015	92015-1193	2	Nut ●
92171	92171-7007	3	Clamp ●
92171A	92171-7009	2	Clamp ●
92171B	92171-7013	2	Clamp ●
92191	92191-7006	1	Tube ●
92192	92192-7030	1	Tube ●
130	130B06105	2	Bolt-Flanged (6X10.5) ●
130A	130B0612	2	Bolt-Flanged (6X12) ●
130B	130B0814	2	Bolt-Flanged (8X14) ●
317	317R0800	6	Nut-Hex, Small (8Mm) ●
461	461F0800	6	Washer-Spring (8Mm) ●

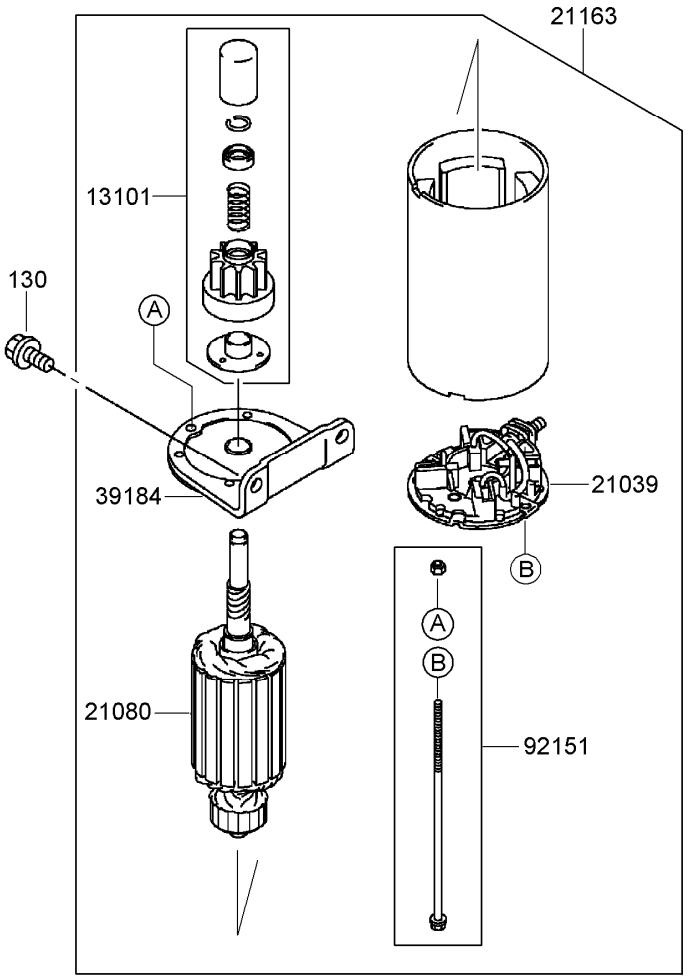
● Obtain parts from www.kawpowerepc.com



Fuel Tank and Valve Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
13271	13271-7004	1	Plate ●
23062	23062-7004-9H	1	Bracket ●
42036	42036-7012	1	Sleeve ●
49019	49019-7001	1	Filter-Fuel ●
49040	49040-7001	1	Pump-Fuel ●
92170	92170-2088	4	Clamp ●
92170A	92170-7003	1	Clamp ●
92191	92191-7027	1	Tube ●
92192	92192-7037	1	Tube (6.35X12.7X160) ●
92192A	92192-7039	1	Tube (6.35X12.7X200) ●
130	130B0616	2	Bolt-Flanged (6X16) ●
130A	130B0620	2	Bolt-Flanged (6X20) ●

● Obtain parts from www.kawpowerepc.com

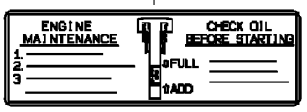


Starter Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
13101	13101-7003	1	Gear ASM ●
21039	21039-7004	1	Brush ●
21080	21080-7001	1	Armature ●
21163	21163-7010	1	Starter-Electric ●
39184	39184-7004	1	Bracket ASM ●
92151	92151-7013	1	Bolt ●
130	130B0816	2	Bolt-Flanged (8X16) ●

● Obtain parts from www.kawpowerepc.com

56033



56080



Label Assembly
Kawasaki FH641V-DS19-R

Ref.	*Part Number*	*Qty.*	*Description*
56033	56033-7003	1	Label-Manual ●
56080	56080-7008	1	Label-Brand ●

● Obtain parts from www.kawpowerepc.com

Attachments and Accessories

For 74449 Z400 Z Master With 52in 7-Gauge Side Discharge Mower

Product Name	Model/Part
Blade-Recycler, 18 inch	105-7779-03
Blade-Hi Flow, 18 Inch	105-7781-03
Blade-Med Flow, 18 inch	105-7794-03
Blade-Low Flow, 18 inch	105-7795-03
Blade-Atomic, 18 inch	105-7796-03
Deck Lift Assist Kit	106-9749
Recycler Kit	107-1610
Suspension Kit for Standard Seat	107-1892
Z Stand Kit	107-8599
Blade-Hi Flow, 18 inch (6 Pack)	108-1117
Blade-Atomic, 18 inch (6 Pack)	108-1118
Mower Deck Lift Assist Kit	108-4090
Blade-Lo Flow, 18 inch (6 Pack)	110-0406
Blade-Recycler, 18 inch (6 Pack)	110-0408
Blade-Med Flow, 18 inch (6 Pack)	110-0409
Bimini Sunshade	110-5726
Semi Pnuematic Wheel Assembly	110-5745
Discharge Side Anti-Scalp Roller Kit	112-1792
Channel Reinforcement Kit	112-8673
DFS Vac Collection System	78510
Chute Gate Kit	78521
Deluxe Suspension Seat Kit	78530
Twin Bag Assembly	78532
Blower and Drive Kit	78537
Hitch Kit	99-8924

Notes:

Notes:

Notes:



Count on it.