Form Number 3357-334 Rev B

Z453 Z Master®
With 52in TURBO FORCE® Side Discharge Mower

Model No. 74416 - 270002001 and up.

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

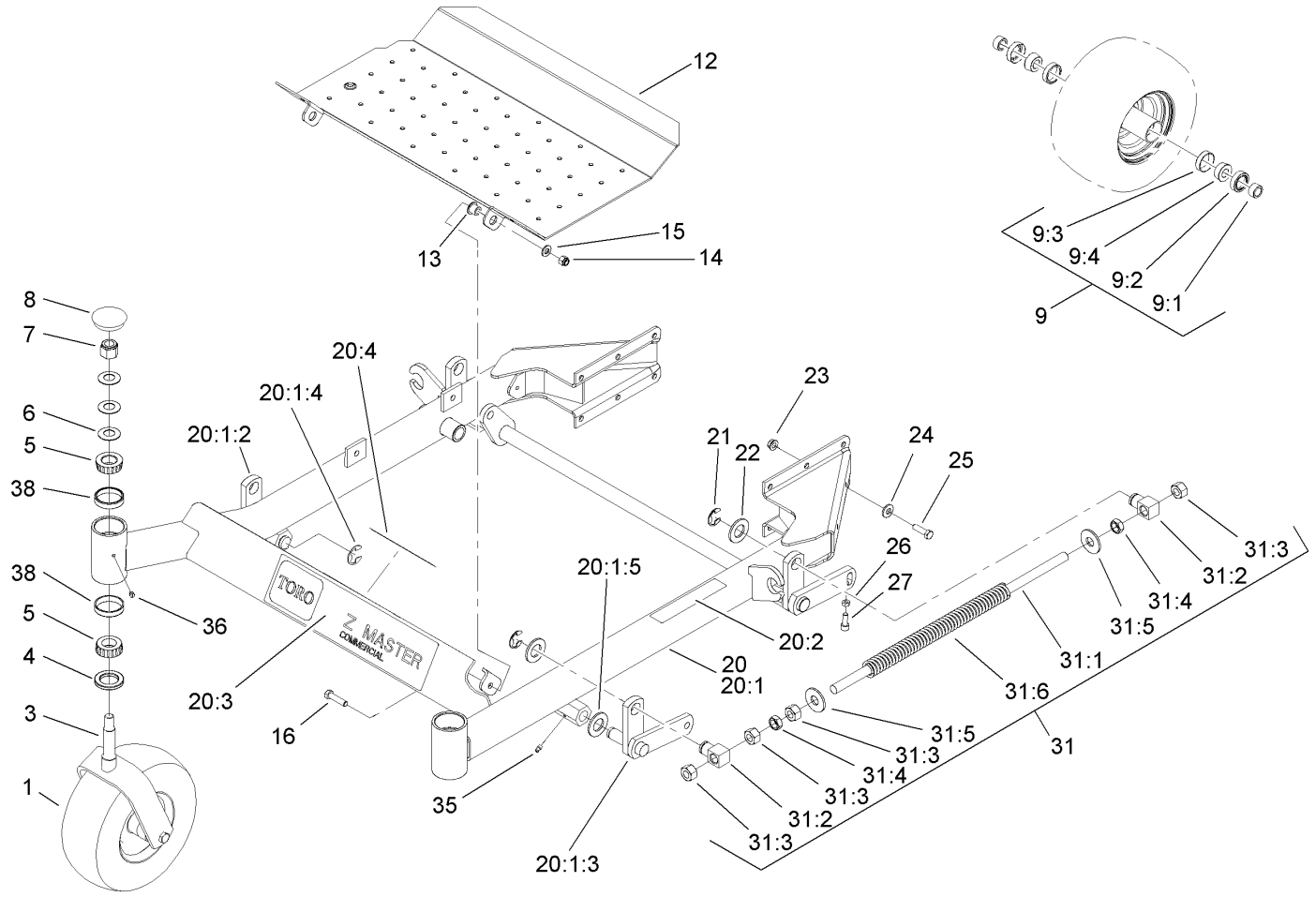
Footnotes

❶ Not illustrated

❷ Not serviced separately

❸ Optional Equipment

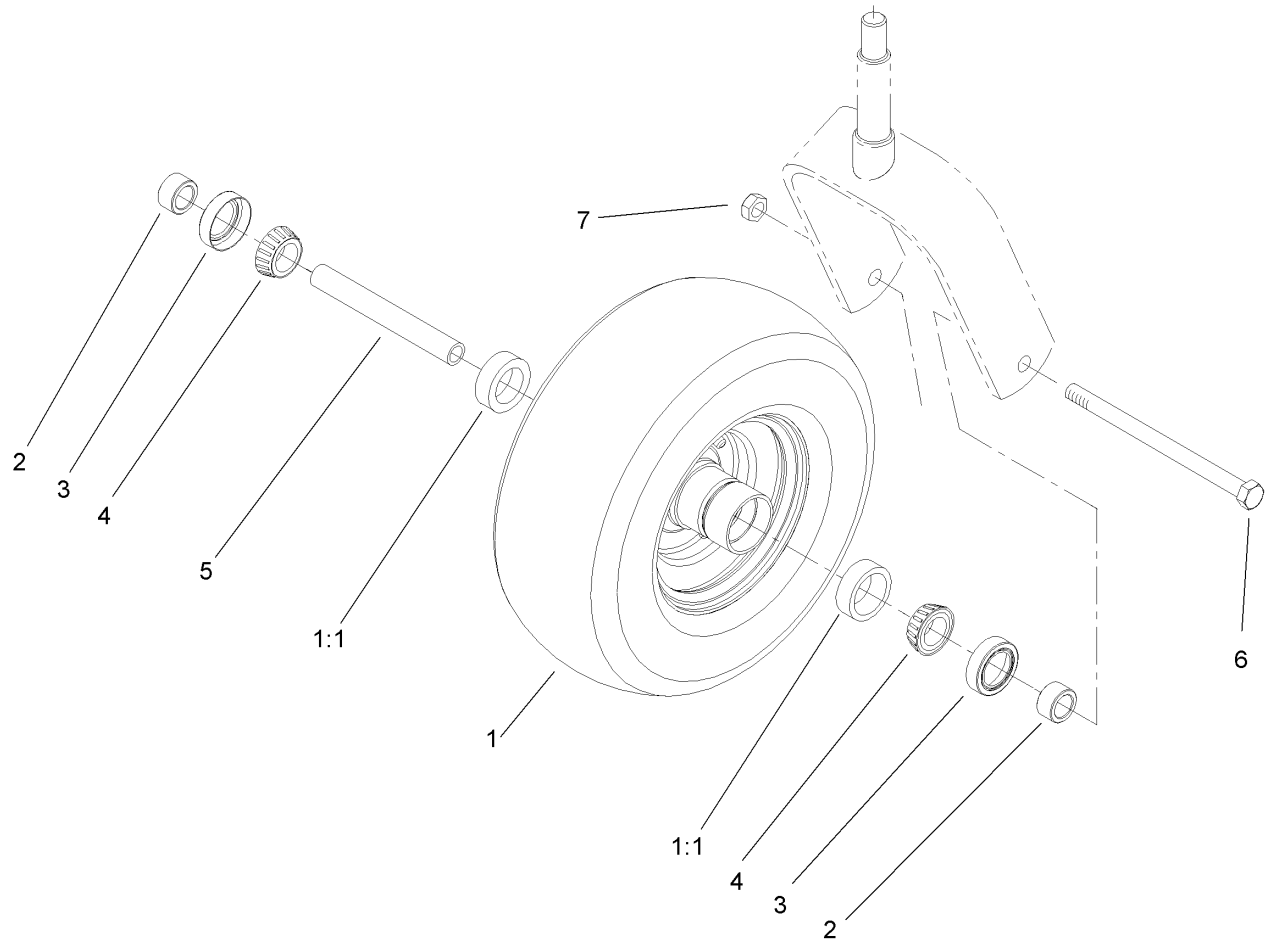
❹ Obtain from your local Kawasaki dealer



Front Frame Assembly

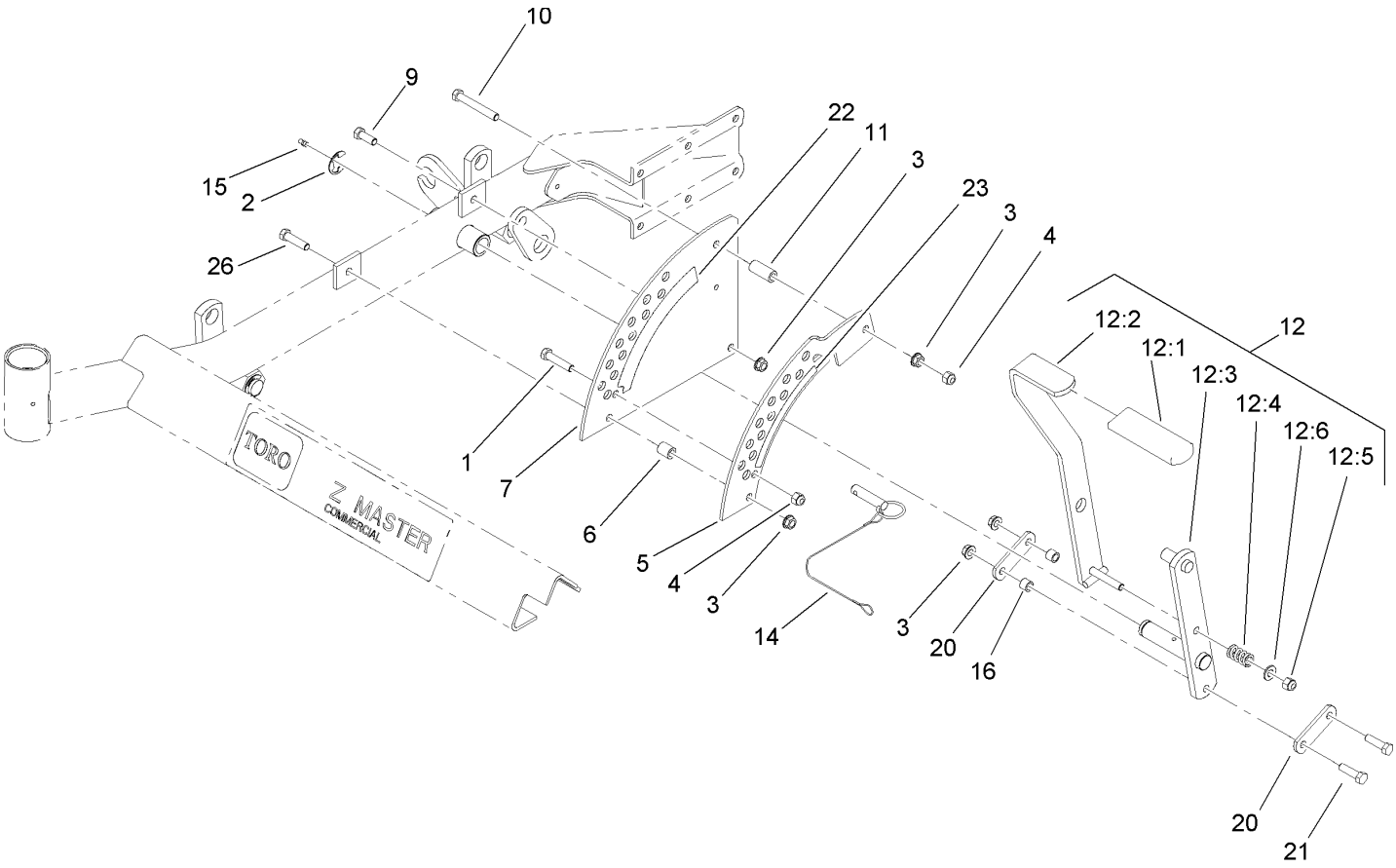
Ref	Part No.	Qty.	Description
1	110-5745	2	Semi Pnuematic Wheel ASM
3	1-632511-01	2	Caster
4	1-543511	2	Seal-Grease
5	254-94	4	Bearing-Cone, Tapered
6	1-633508	6	Washer-Bellville
7	3296-51	2	Nut-Lock, NI
8	103-4882	2	Cap-Grease
9	110-8837	1	Caster Wheel Bearing Kit
9:1	1-633581	2	Spacer-Bearing
9:2	1-633580	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
❷20:1		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-Snap
20:1:5	3256-29	2	Washer-Flat
20:2	1-633818	1	Decal-Warning

Ref	Part No.	Qty.	Description
20:3	106-7451	1	Decal
20:4	107-2112	1	Decal-Warning
21	32151-103	4	Ring-Snap
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



Caster Wheel Assembly No. 110-5745

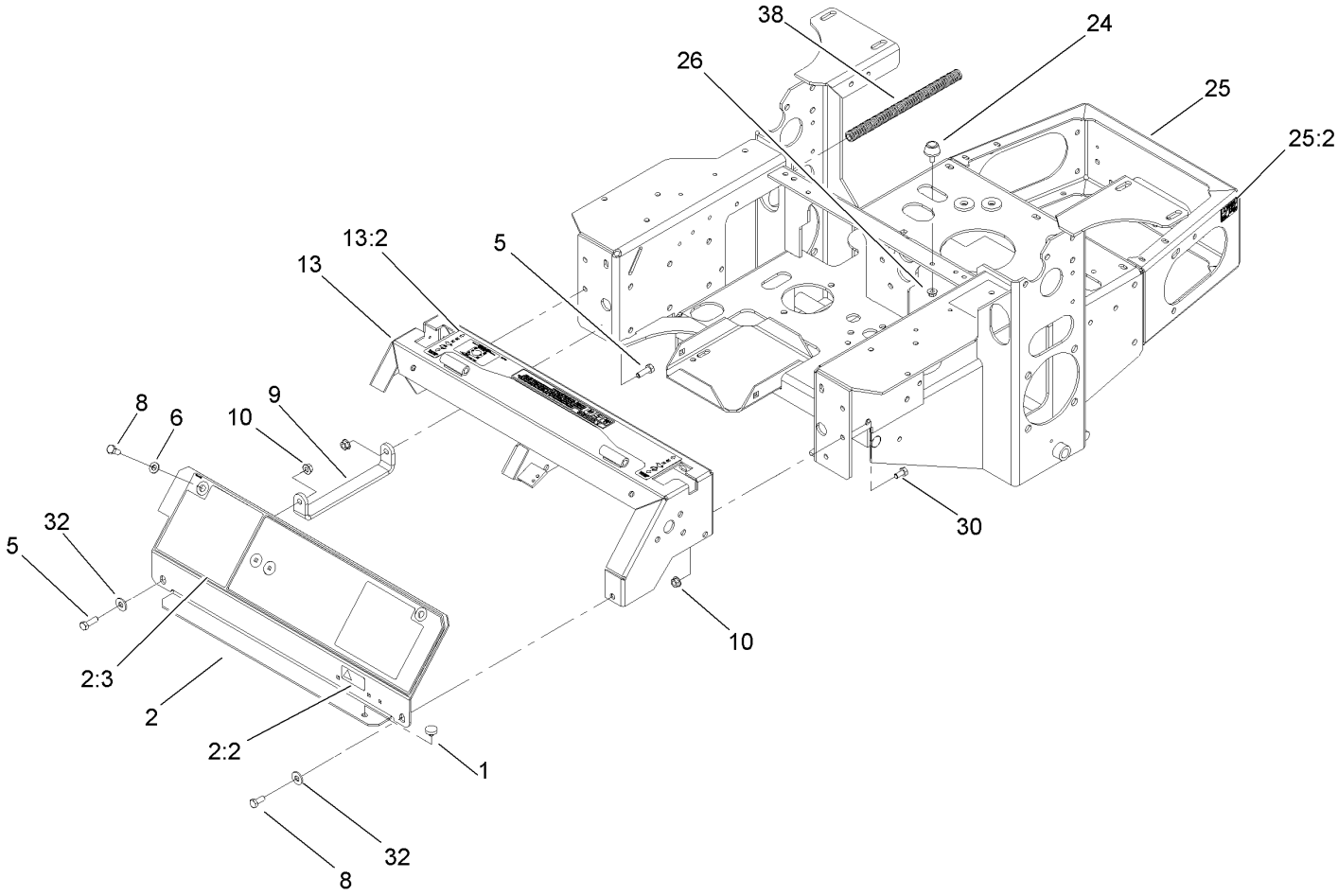
Ref	Part No.	Qty.	Description
1	110-5743	1	Wheel And Tire ASM (Semi-Pneumatic)
1:1	1-633584	1	Bearing-Cup
2	1-633581	2	Spacer-Bearing
3	1-633580	2	Seal-Bearing
4	1-633585	2	Bearing-Cone, Taper
5	1-633579	1	Spacer-Caster, Front
6	325-36	1	Screw-HH
7	3296-45	1	Nut-Lock, NI



Height-of-Cut Assembly

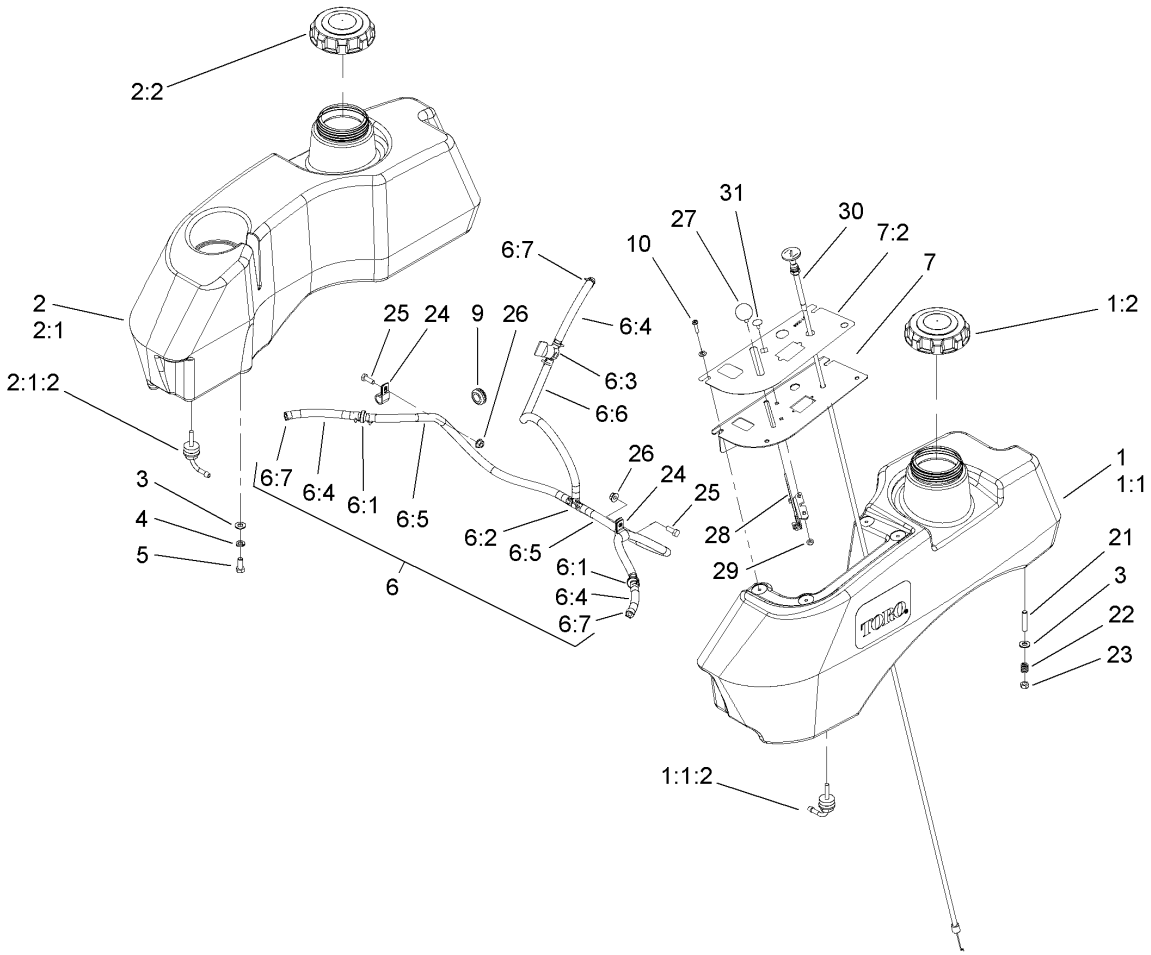
Ref	Part No.	Qty.	Description
1	323-9	1	Screw-HH
2	32151-103	1	Ring-Snap
3	3290-357	5	Nut-HHF, Whiz
4	3296-39	2	Nut-Lock, NI
5	108-7755-01	1	Plate-Lift, Deck
6	1-633080	1	Bushing-Lever, Lift
7	1-653230-01	1	Plate-Lift, Deck
9	323-6	1	Screw-HH
10	323-13	1	Screw-HH
11	1-633082	1	Bushing-Lever, Lift
12	110-5870	1	Deck Lift Handle ASM
12:1	1-633295	1	Grip-Lever, Lift
12:2	103-2078	1	Handle-Lift
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

Ref	Part No.	Qty.	Description
26	323-8	1	Screw-HH



Main Frame Assembly

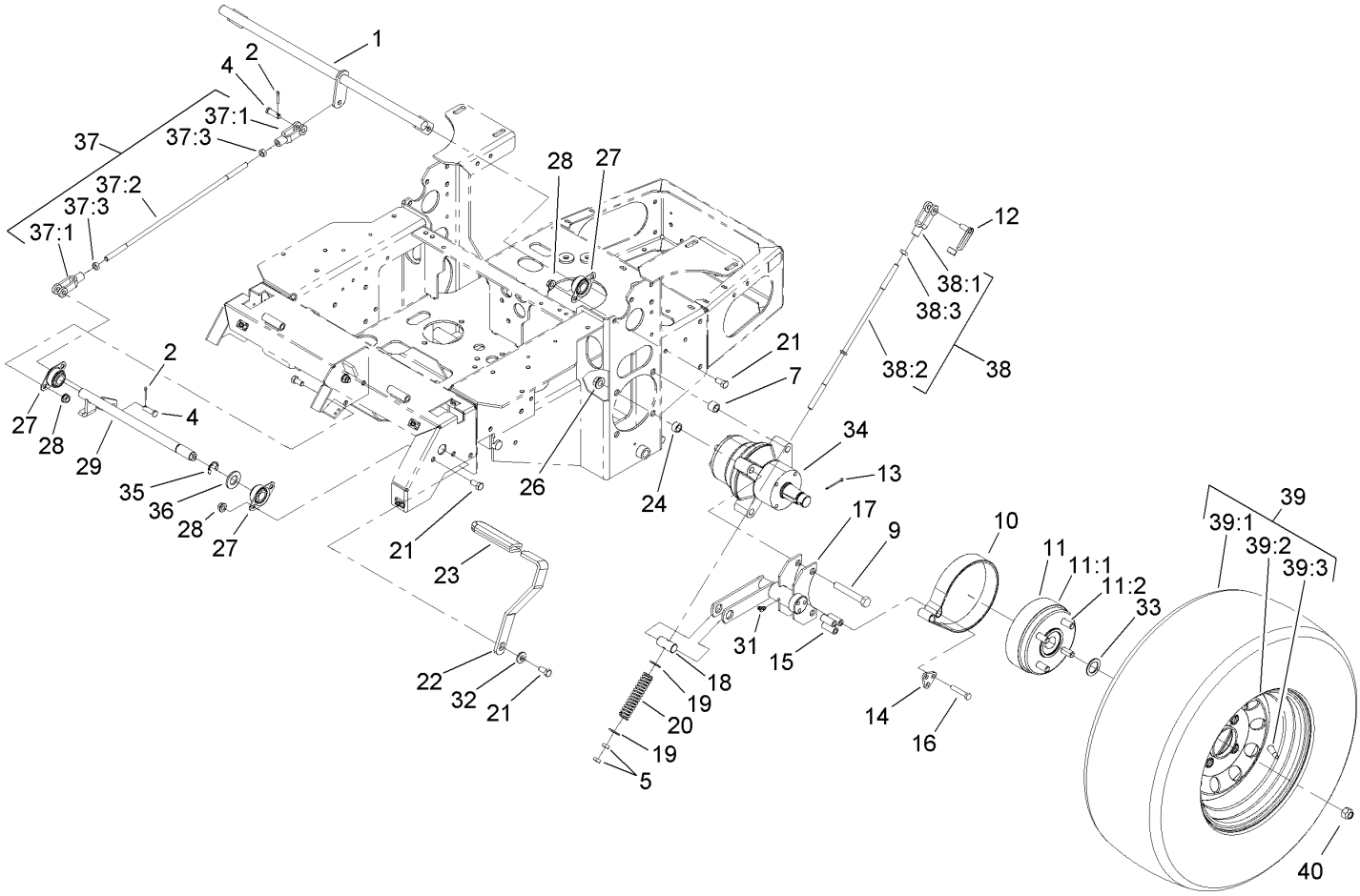
Ref	Part No.	Qty.	Description
1	1-513658	2	Bumper
2	108-1864	1	Panel ASM
2:2	98-4387	1	Decal-Protection, Ear
2:3	107-8445	1	Decal-Cover, Panel
5	322-5	2	Screw-HH
6	3256-23	2	Washer-Flat
8	322-3	3	Screw-HH
9	103-7935-03	1	Bracket-Panel, Instrument
10	32128-20	6	Nut-HF
13	108-5997	1	Console ASM
13:2	108-5995	1	Decal-Warning
24	109-2365	2	Bumper-Rubber (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	Cover-Shaft, Drive



Fuel System Assembly

Ref	Part No.	Qty.	Description
1	110-4165	1	LH Fuel Tank Service Kit
❷1:1		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
❷2:1		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
❷6		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
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

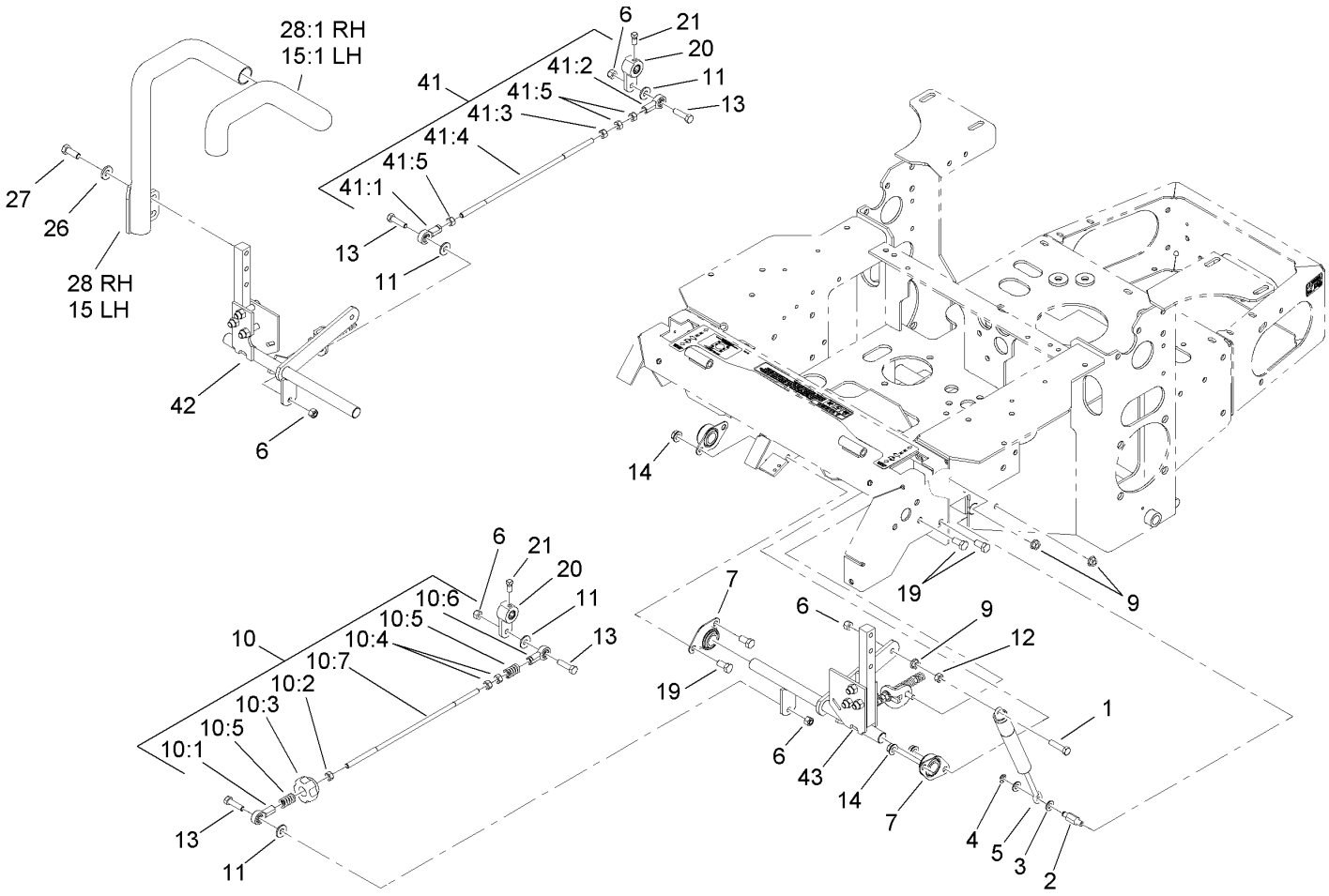
Ref	Part No.	Qty.	Description
22	1-633349	4	Spring-Tank, Fuel
23	3296-47	4	Nut-Lock, NI
24	1-513762	2	Clip-Loom
25	321-4	2	Screw-HH
26	32128-33	2	Nut-HF
27	1-513592	1	Knob-Ball
28	1-633696	1	Throttle Cable ASM
29	3296-2	2	Nut-Lock
30	106-9962	1	Control-Choke, Push / Pull
31	1-807513	2	Bolt-CARR



Parking Brake Assembly

Ref	Part No.	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
❷11		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, Brake
24	1-653069	4	Spacer-Wheel
26	32128-49	8	Nut-HHF

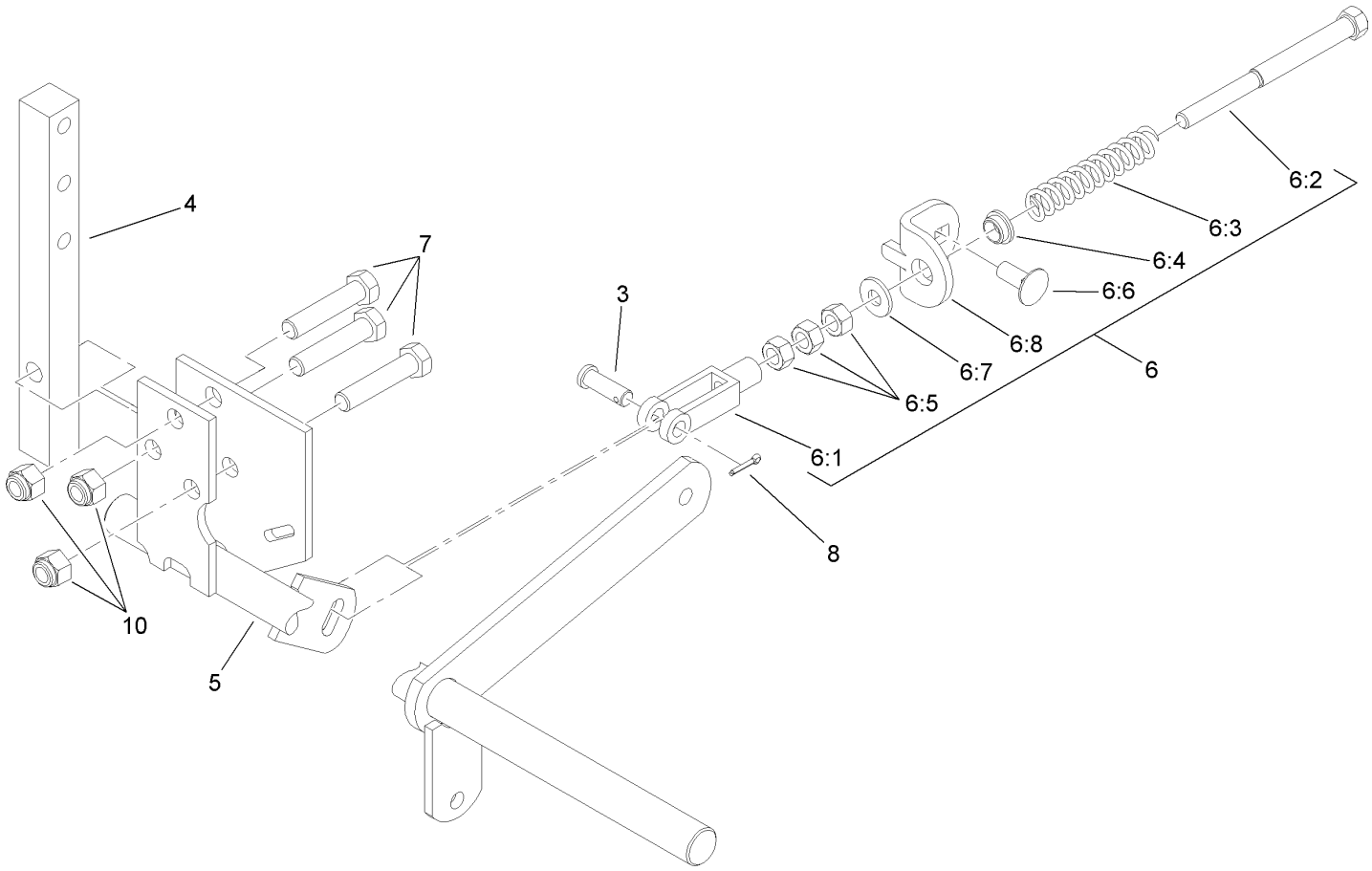
Ref	Part No.	Qty.	Description
27	1-633102	4	Bearing-Flange, Side
28	3290-357	8	Nut-HHF, Whiz
29	103-3116	1	Shaft-Brake, Parking
31	1481	2	Fitting-Grease
32	98-5975	1	Washer-Belleville
33	1-523157	2	Washer-Spacer
34	103-5333	2	Motor-Wheel
❶34:1	109-5965	1	Wheel Motor Seal Kit
❶34:2	109-5966	1	Wheel Motor 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



Motion Control Assembly

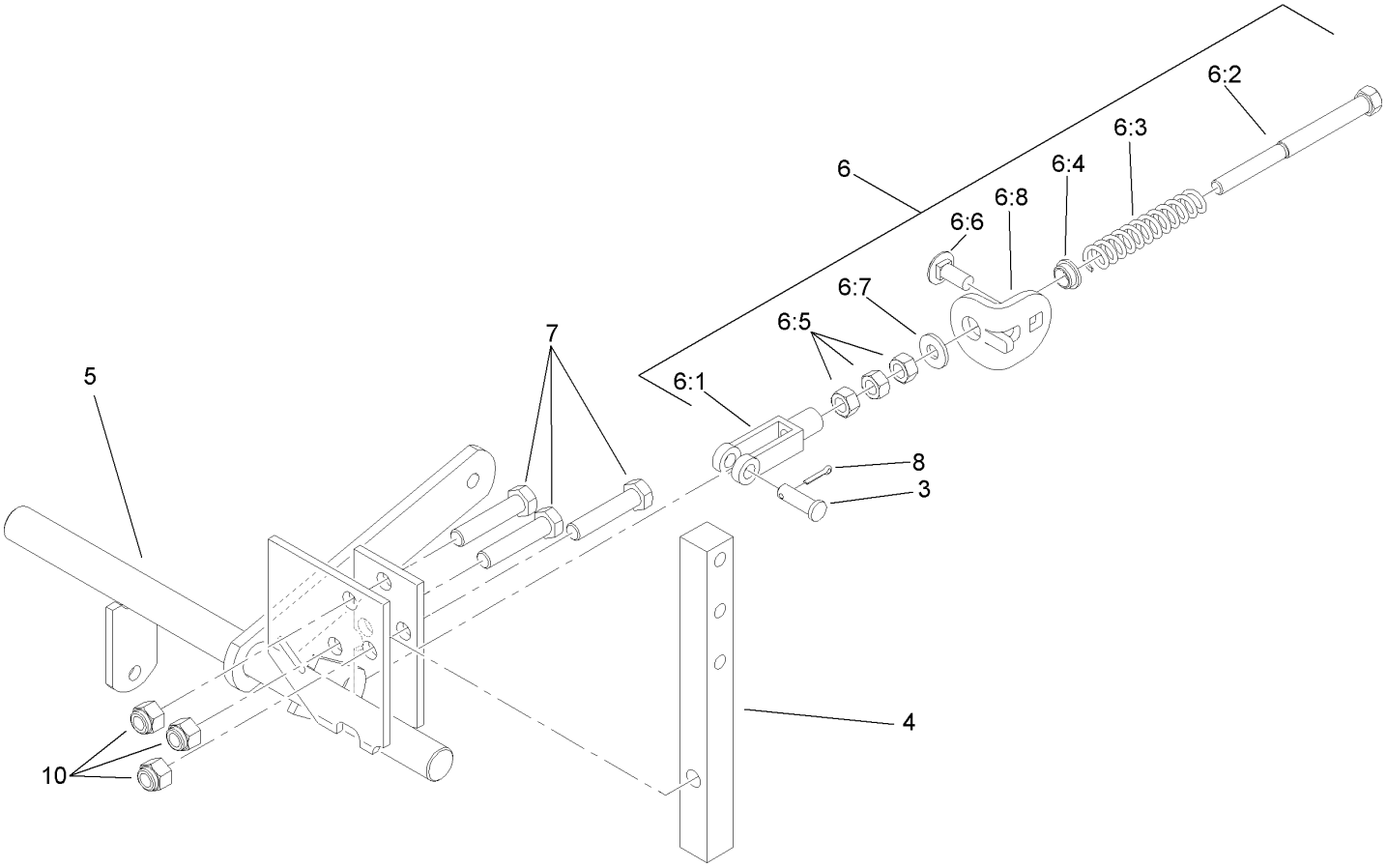
Ref	Part No.	Qty.	Description
1	1-403180	2	Screw-HH
2	103-4101	2	Pin-Damper
3	3256-23	4	Washer-Flat
4	32120-35	2	Ring-Retaining, EXT
5	109-2339	2	Damper-Control, Motion
6	3296-29	6	Nut-Lock, NI
7	1-633102	4	Bearing-Flange, Side
9	32128-20	10	Nut-HF
10	103-4326	1	Tracking Rod ASM
10:1	1-543017	1	Balljoint-RH
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
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

Ref	Part No.	Qty.	Description
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



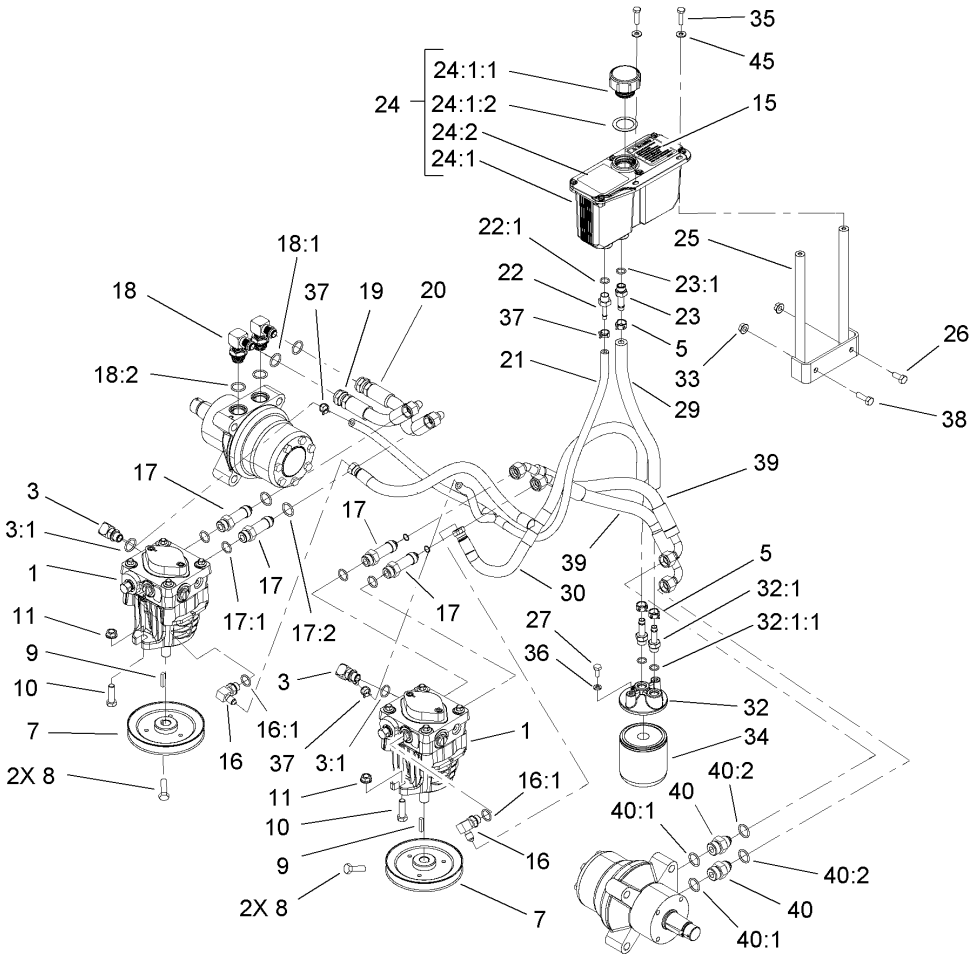
Right Hand Motion Control Assembly No. 109-3911

Ref	Part No.	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



Left Hand Motion Control Assembly No. 109-3912

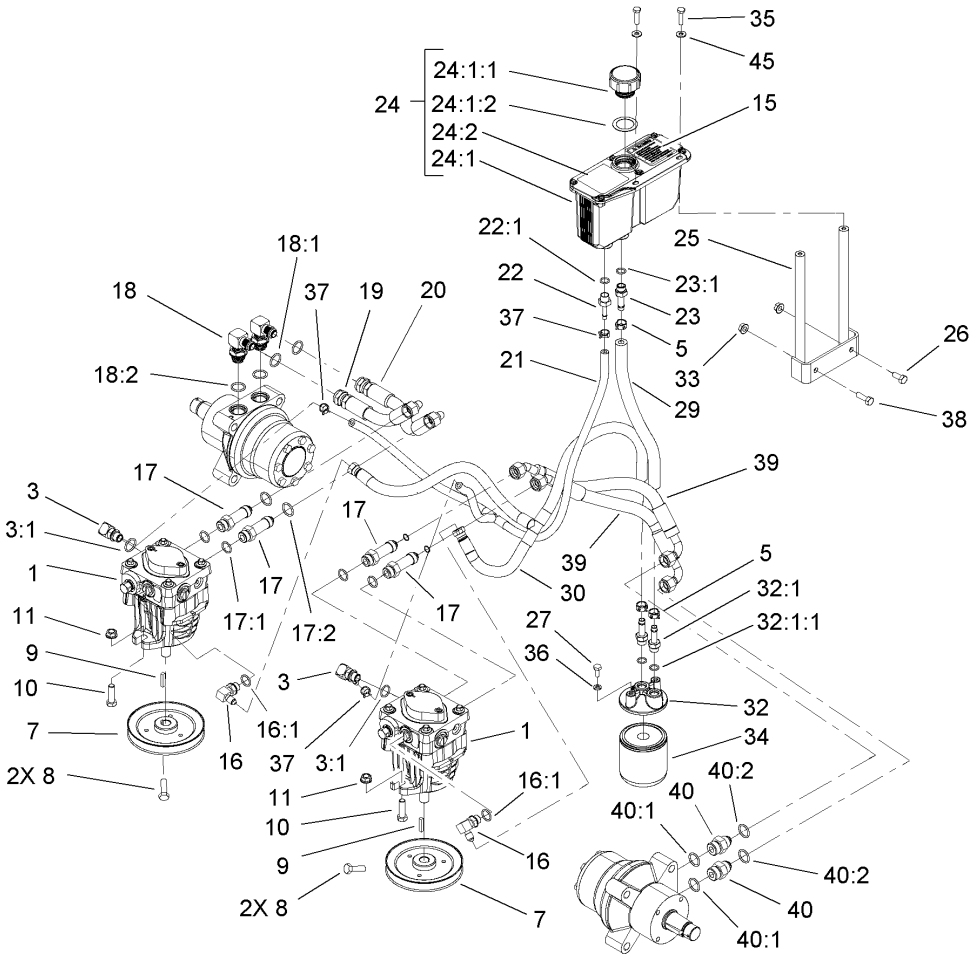
Ref	Part No.	Qty.	Description
3	1-808280	1	Pin-Clevis
4	103-0407	1	Arm-Shaft, Control
5	103-4774	1	Control-Motion, LH
6	109-3903	1	Neutral Return ASM
6:1	1-303105	1	Yoke-Adjustable
6:2	1-603737	1	Bolt-Return, Neutral
6:3	1-603807	1	Spring-Return, Neutral
6:4	109-3769	1	Bushing-Nylon, Flanged
6:5	3219-2	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

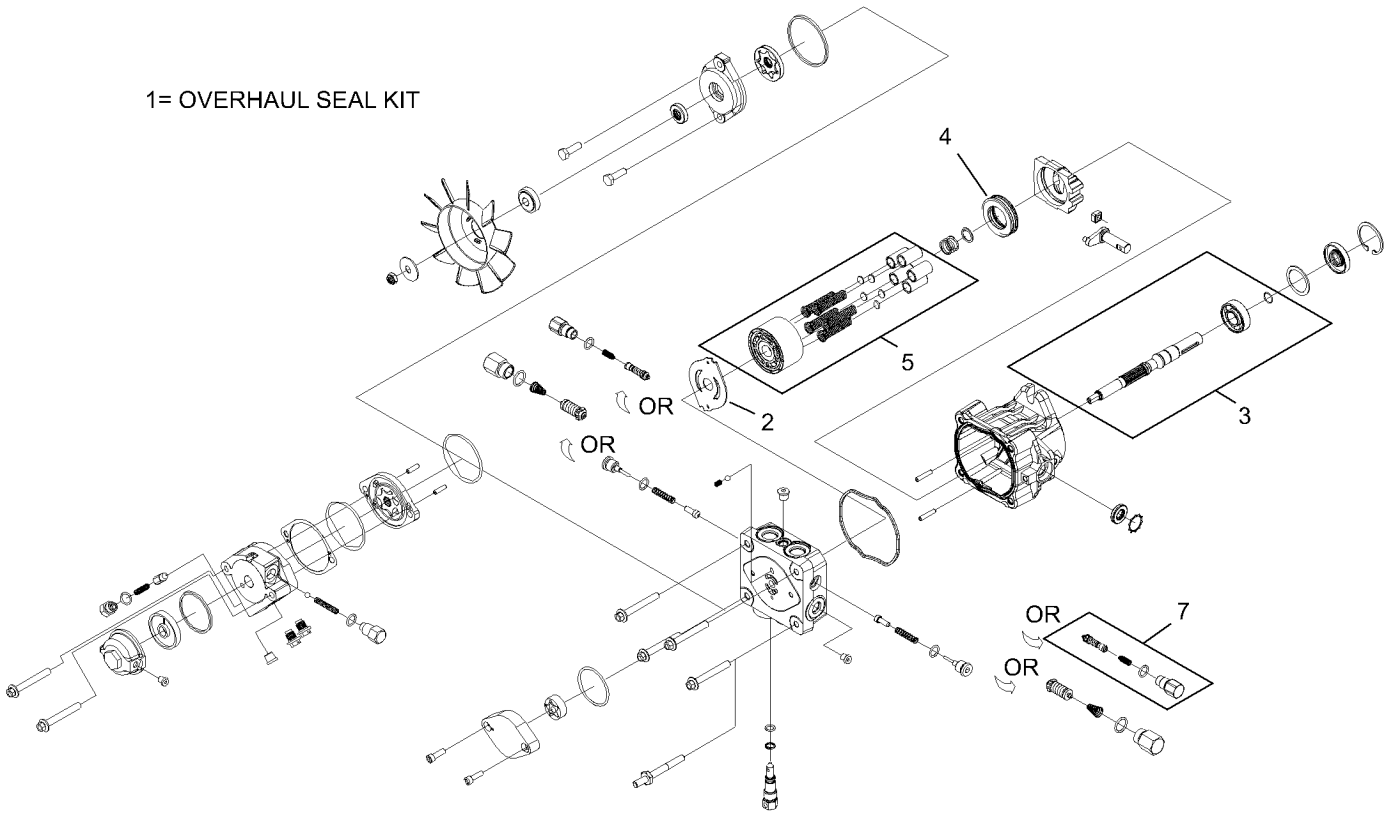
Ref	Part No.	Qty.	Description
1	103-1942	2	Pump-HYD
3	103-1799	2	Elbow-90 DEG
3:1	237-42	1	O-Ring
5	103-1988	3	Clamp-Hose
7	1-653156	2	Pulley
8	1-803050	4	Screw-Set
9	1-807272	2	Key
10	323-7	4	Screw-HH
11	3290-357	4	Nut-HHF, Whiz
15	103-2644	1	Decal-Exhaust
16	103-1802	2	Fitting-HYD, 90 DEG
16:1	1-603921	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

Ref	Part No.	Qty.	Description
23:1	237-42	1	O-Ring
24	103-1947	1	HYD Reservoir ASM
❷24:1		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



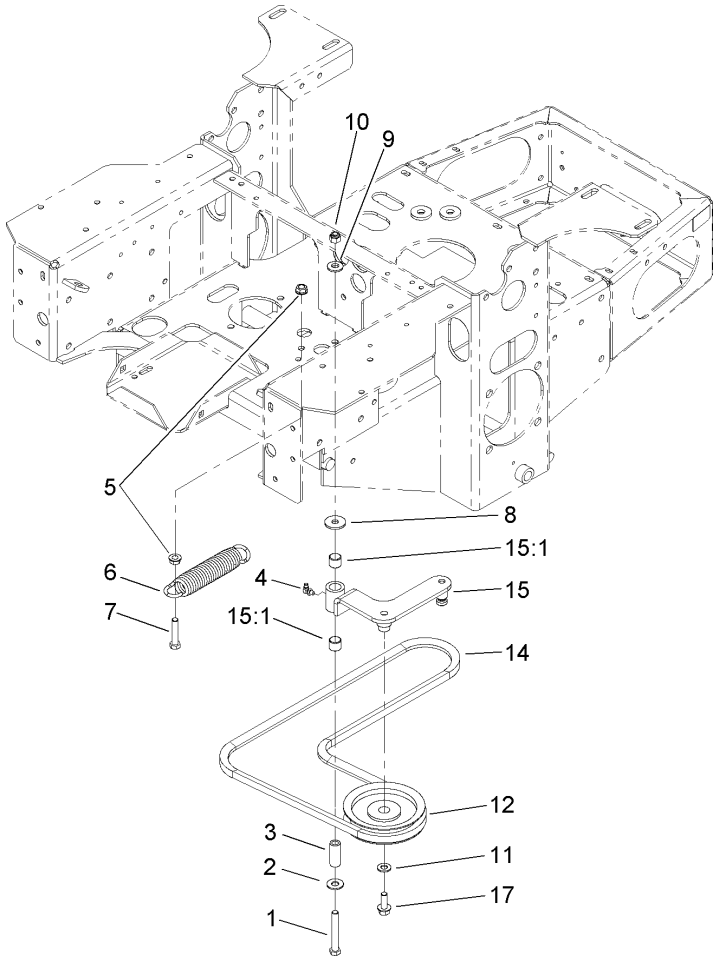
Hydraulic System Assembly (continued)

Ref	Part No.	Qty.	Description
40:2	1-603992	1	O-Ring
45	3256-22	2	Washer-Flat



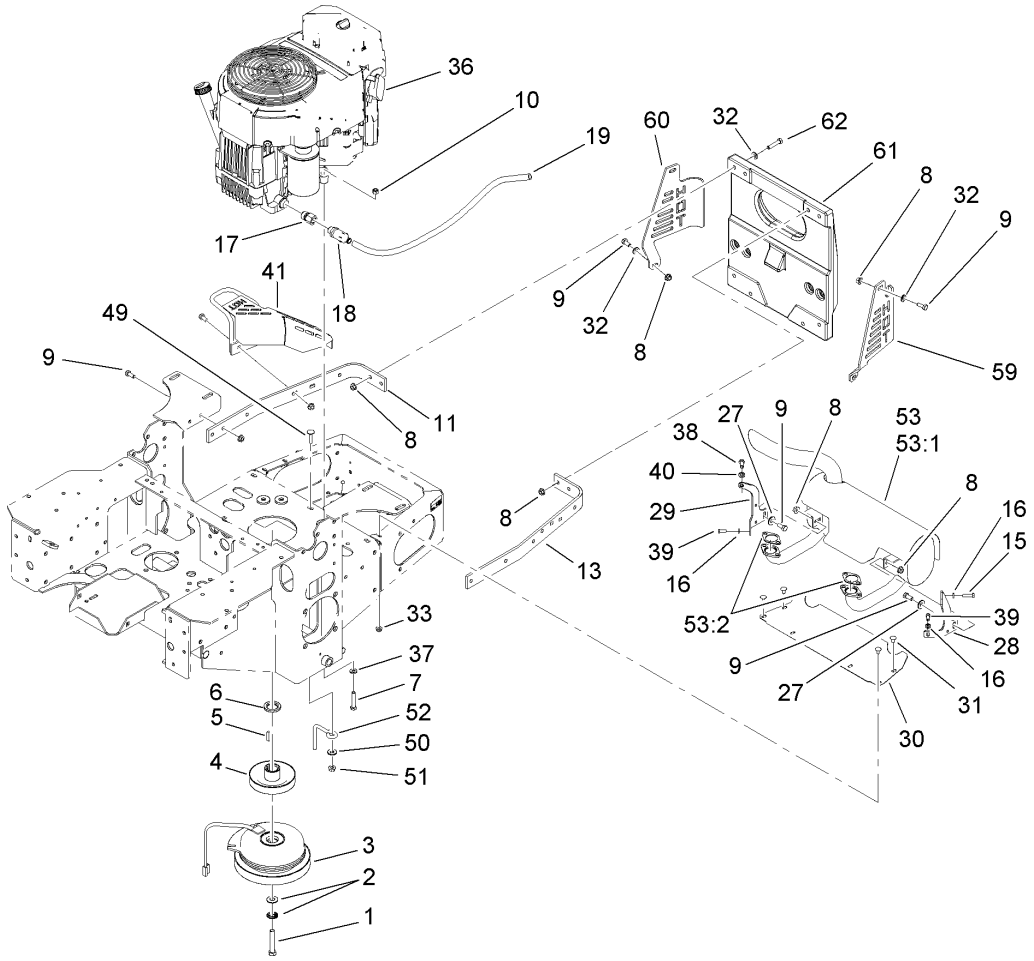
Hydraulic Pump Assembly No. 103-1942

Ref	Part No.	Qty.	Description
1	105-6184	1	Overhaul Seal 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

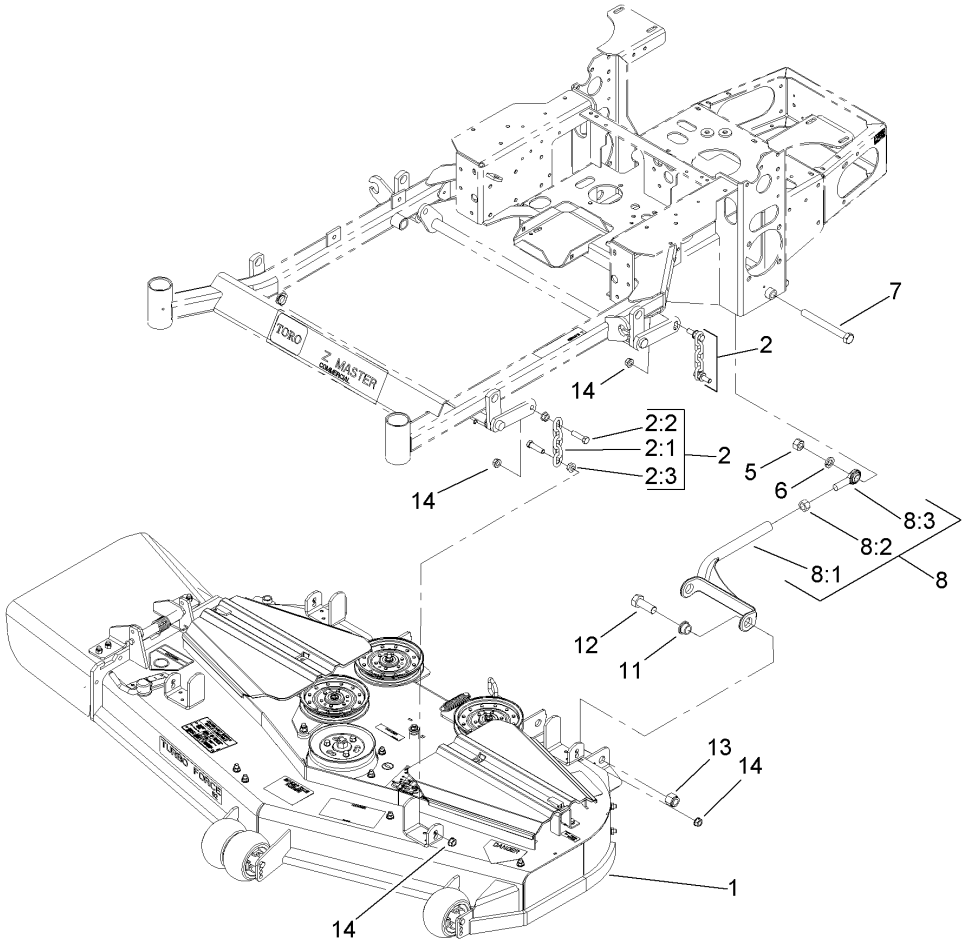
Ref	Part No.	Qty.	Description
1	323-13	1	Screw-HH
2	3256-4	1	Washer-Flat
3	1-603044	1	Bushing
4	302-40	1	Fitting-Grease
5	3290-357	2	Nut-HHF, Whiz
6	103-4480	1	Spring-Extension
7	323-9	1	Screw-HH
8	63-8410	1	Washer
9	98-5975	1	Washer-Belleville
10	3296-39	1	Nut-Lock, NI
11	3256-24	1	Washer-Flat
12	1-603843	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

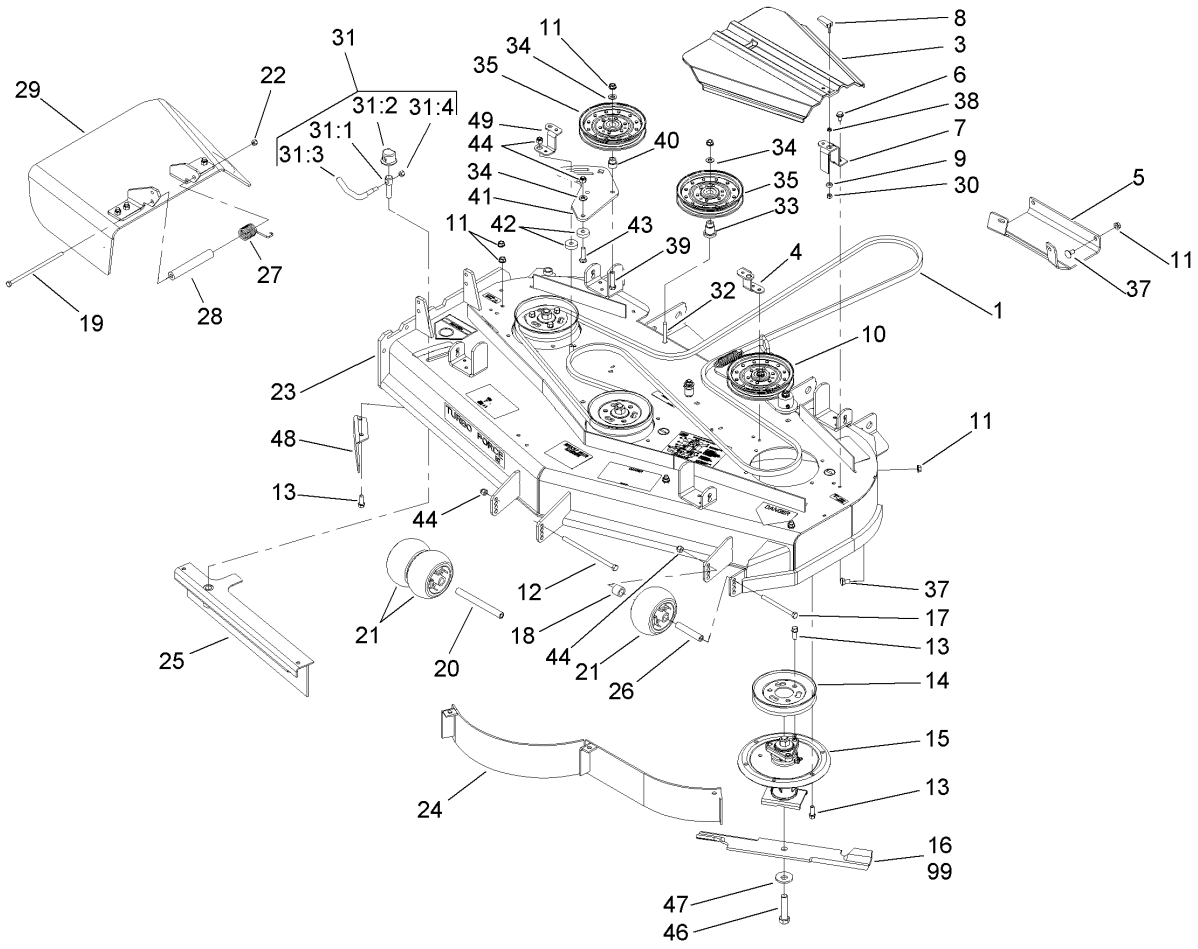
Ref	Part No.	Qty.	Description
1	3212-12	1	Screw-HH
2	1-603610	2	Washer-Spring
3	109-2916	1	Clutch
4	103-3913	1	Pulley
5	1-807259	1	Key
6	103-2308	1	Spacer-Crankshaft
7	322-9	4	Screw-HH
8	32128-20	29	Nut-HF
9	322-3	15	Screw-HH
10	3296-29	4	Nut-Lock, NI
11	103-3078-03	1	Strap-Guard, RH
13	103-3164-03	1	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
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

Ref	Part No.	Qty.	Description
❷❹36		1	Engine-Kawasaki, FH680V-Ds21
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
49	3230-3	1	Screw-CARR
50	3256-3	1	Washer-Flat
51	32128-20	1	Nut-HF
52	108-1058	1	Rod-Belt
53	103-3427	1	Muffler Kit
❷53:1		1	Muffler
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



Deck Connection Assembly

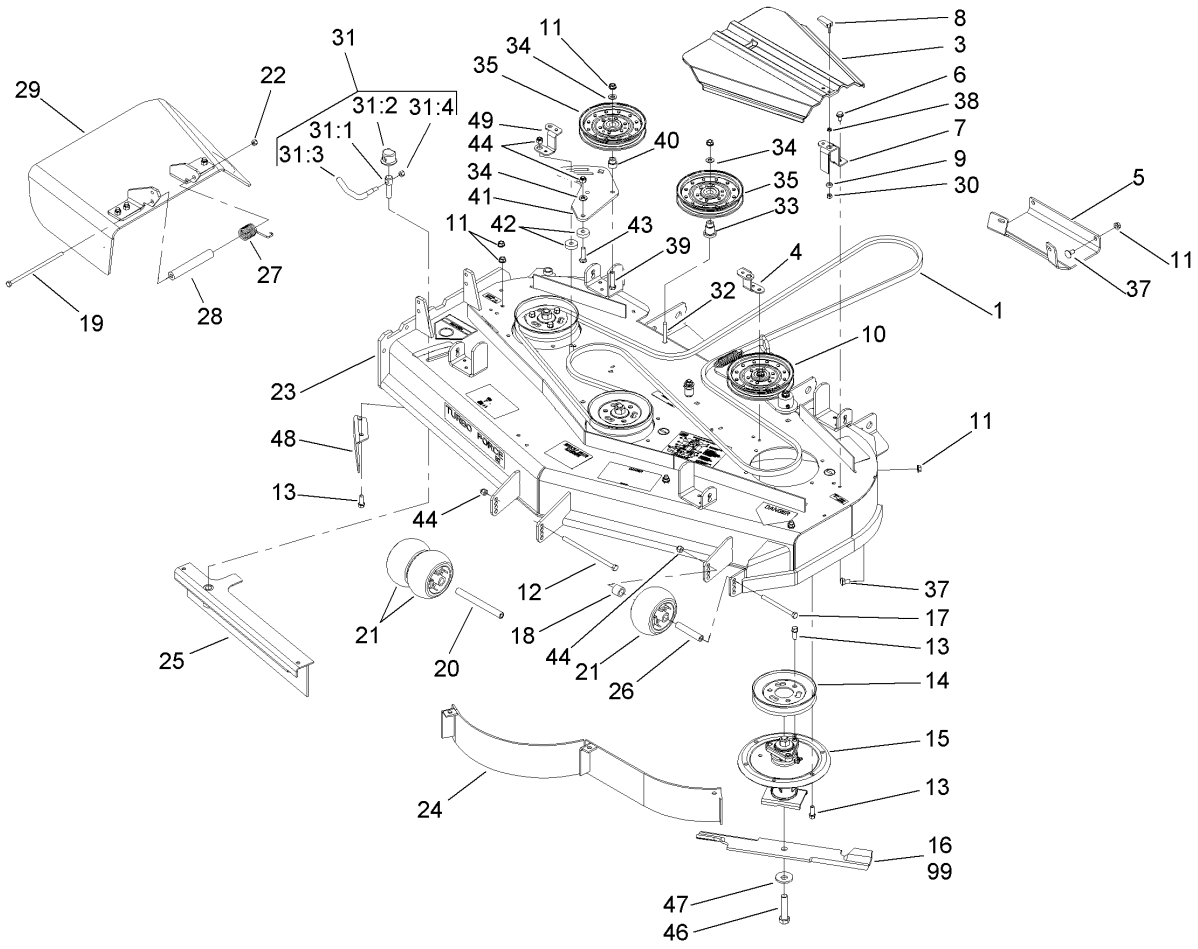
Ref	Part No.	Qty.	Description
❷1		1	Deck Assembly
2	103-9792	4	Deck Chain ASM
2:1	1-633447	1	Chain-Lift, Deck
2:2	103-1898	2	Screw-HH
2:3	32128-37	2	Nut-HF
5	3217-11	2	Nut-Hex
6	3253-8	2	Washer-Lock
7	1-800344	2	Screw
8	108-7768	2	Strut ASM
8:1	108-7753-03	1	Strut-Deck
8:2	3219-6	1	Nut-Hex
8:3	1-633029	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



Deck Assembly

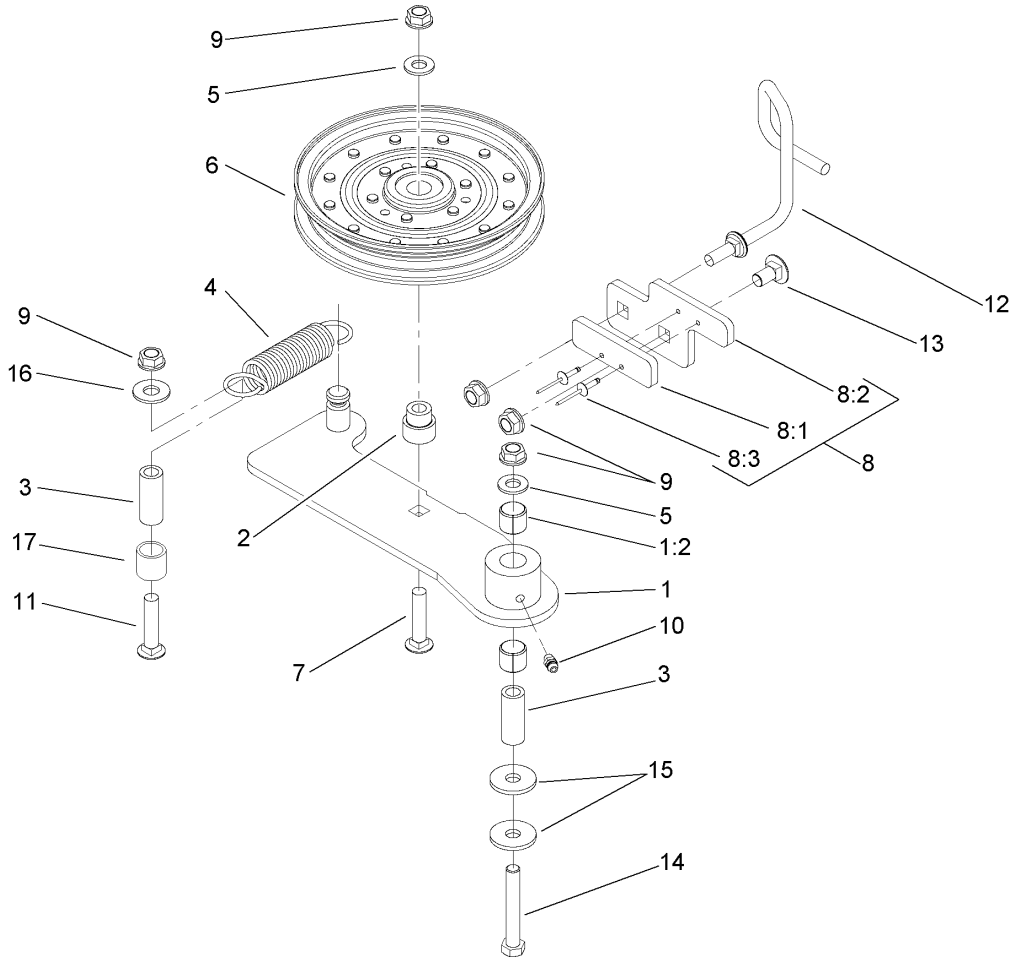
Ref	Part No.	Qty.	Description
1	106-7369	1	Belt-V
3	107-8536	2	Cover-Belt
4	108-2177-01	1	Bracket-Cover, Tall
5	106-7358-01	1	Plate-Skid
6	32144-70	3	Screw-HWHTF
7	108-4121-01	2	Bracket-Cover
8	106-6777	2	Handle-Latch, Swell
9	106-6778	2	Bushing-Latch, Swell
❷10		1	Spring Idler ASM
11	3290-357	36	Nut-HHF, Whiz
12	323-28	1	Screw-HH
13	92-1624	33	Screw
14	107-1683	3	Pulley
15	107-8504	3	Spindle ASM
16	105-7781-03	3	Blade-Hi Flow, 18 Inch
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	107-1669	1	Deck ASM
24	105-7754-01	1	Baffle ASM
25	105-7755-01	1	Baffle ASM

Ref	Part No.	Qty.	Description
26	98-7912	1	Tube-Spanner
27	108-4052	1	Spring-Torsion
28	105-4622	1	Spacer
29	108-2792	1	Rubber Deflector ASM
30	1-804254	2	Nut
31	107-1664	1	Lever ASM
31:1	106-3239	1	Screw-Lock
31:2	107-1644	1	Cap-Lock
31:3	106-3241	1	Lever-Lock
31:4	3296-29	1	Nut-Lock, NI
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	10	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	6	Nut-Lock, NI
46	103-0862	3	Screw-Cap
47	103-0865	3	Washer-Blade Bolt, Heavy



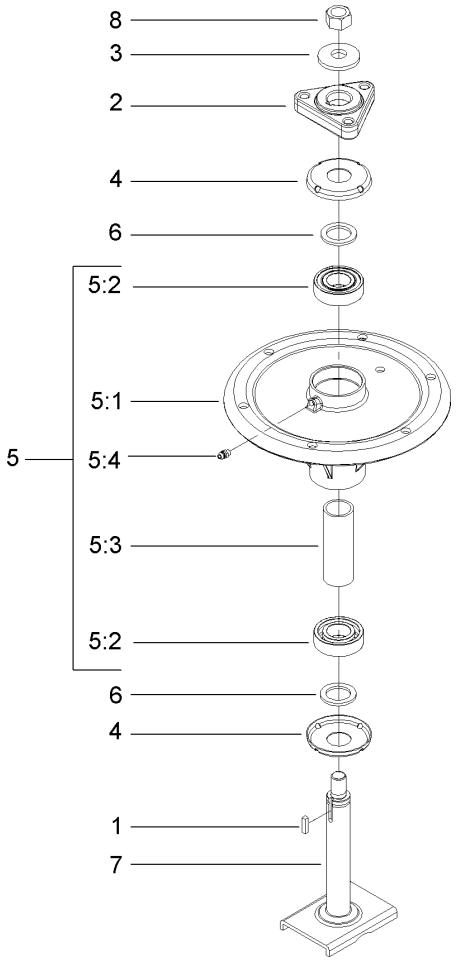
Deck Assembly (continued)

Ref	Part No.	Qty.	Description
48	106-3216-01	1	Baffle-Discharge
49	108-2178-01	1	Bracket-Cover, Short
❸99	105-7796-03	3	Blade-Atomic
❸99	105-7795-03	3	Blade-Low Flow
❸99	105-7794-03	3	Blade-Med Flow
❸99	105-7779-03	3	Blade-Recycler



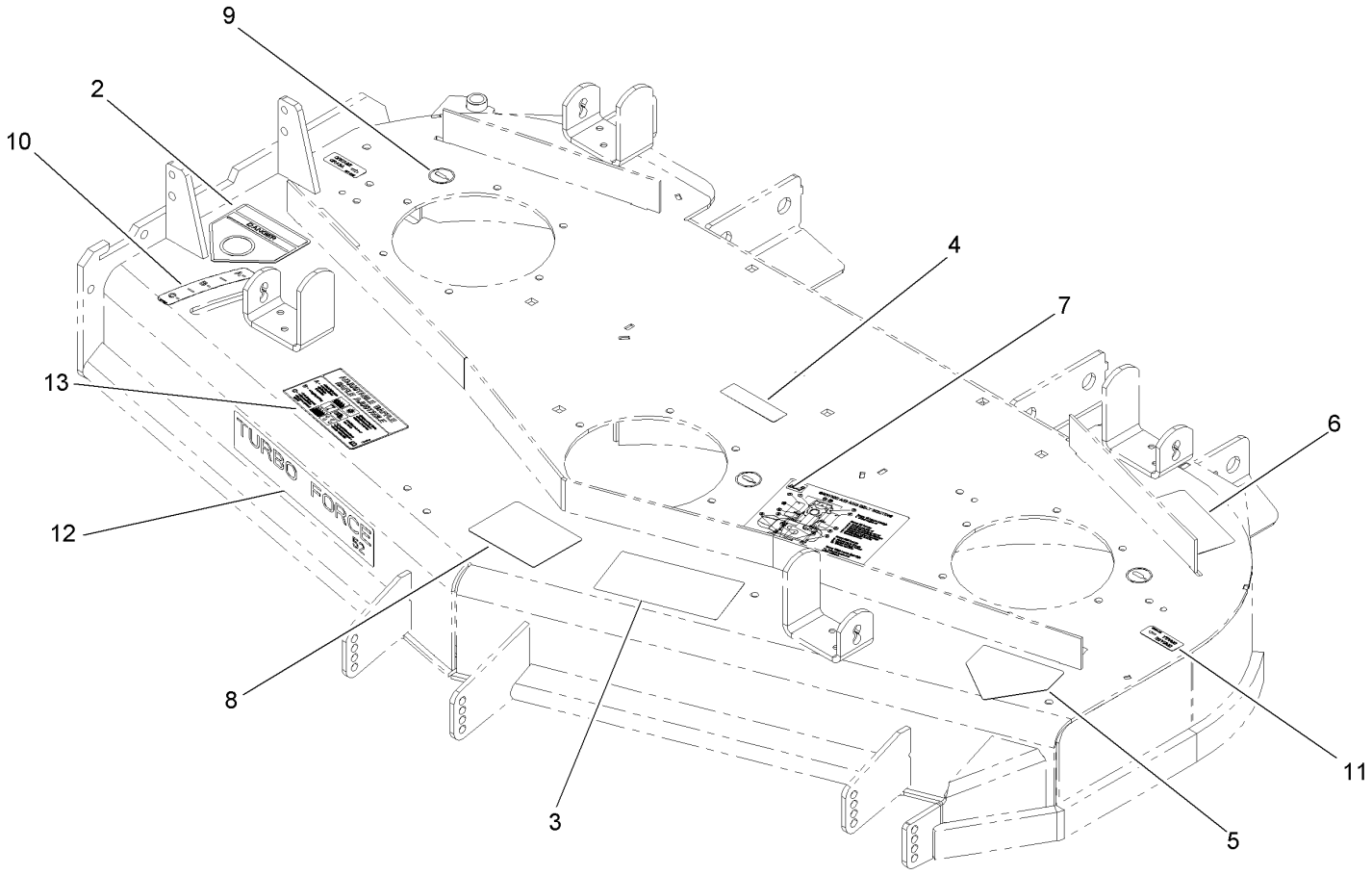
Idler Assembly

Ref	Part No.	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
❷8		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



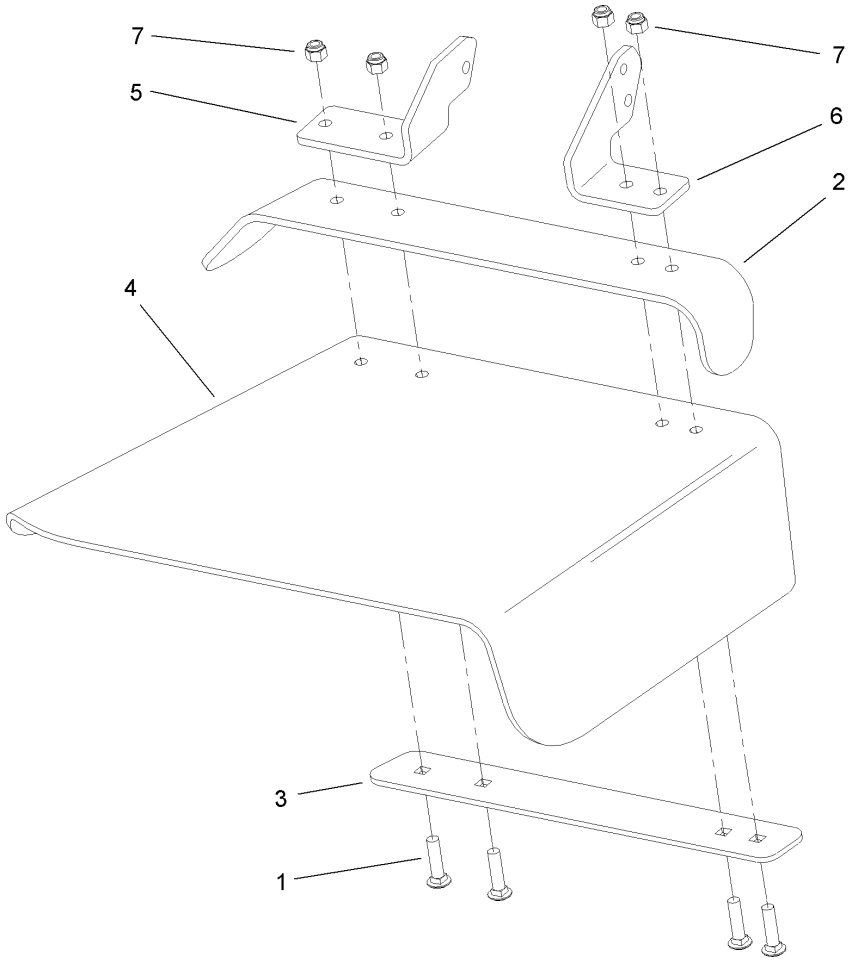
Spindle Assembly No. 107-8504

Ref	Part No.	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
❷5		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



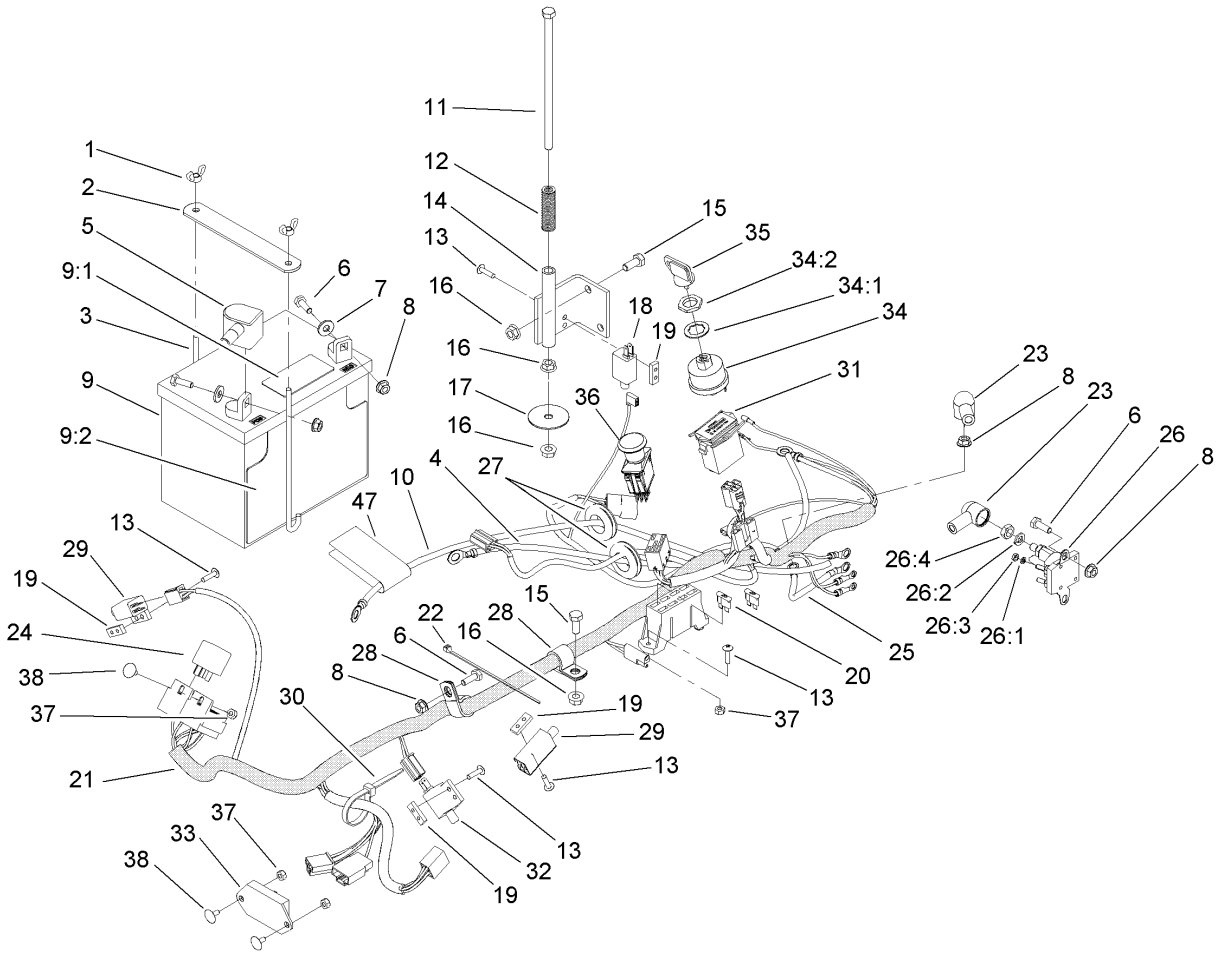
Deck Decal Assembly No. 107-1669

Ref	Part No.	Qty.	Description
2	54-9220	1	Decal-Danger
3	66-1340	1	Decal-Danger
4	98-5954	3	Decal-Cover, Missing
5	1-403005	1	Decal-Danger
6	68-8340	1	Decal-Torque
7	107-1687	1	Decal-Aid, Service
8	105-7798	1	Decal-Scalp, Anti
9	58-6520	3	Decal-Grease
10	110-2067	1	Decal-Setting, Baffle
11	107-1613	2	Decal-Grease
12	107-1618	1	Decal
13	110-2068	1	Decal-Adjustment, Baffle



Rubber Deflector Assembly No. 108-2792

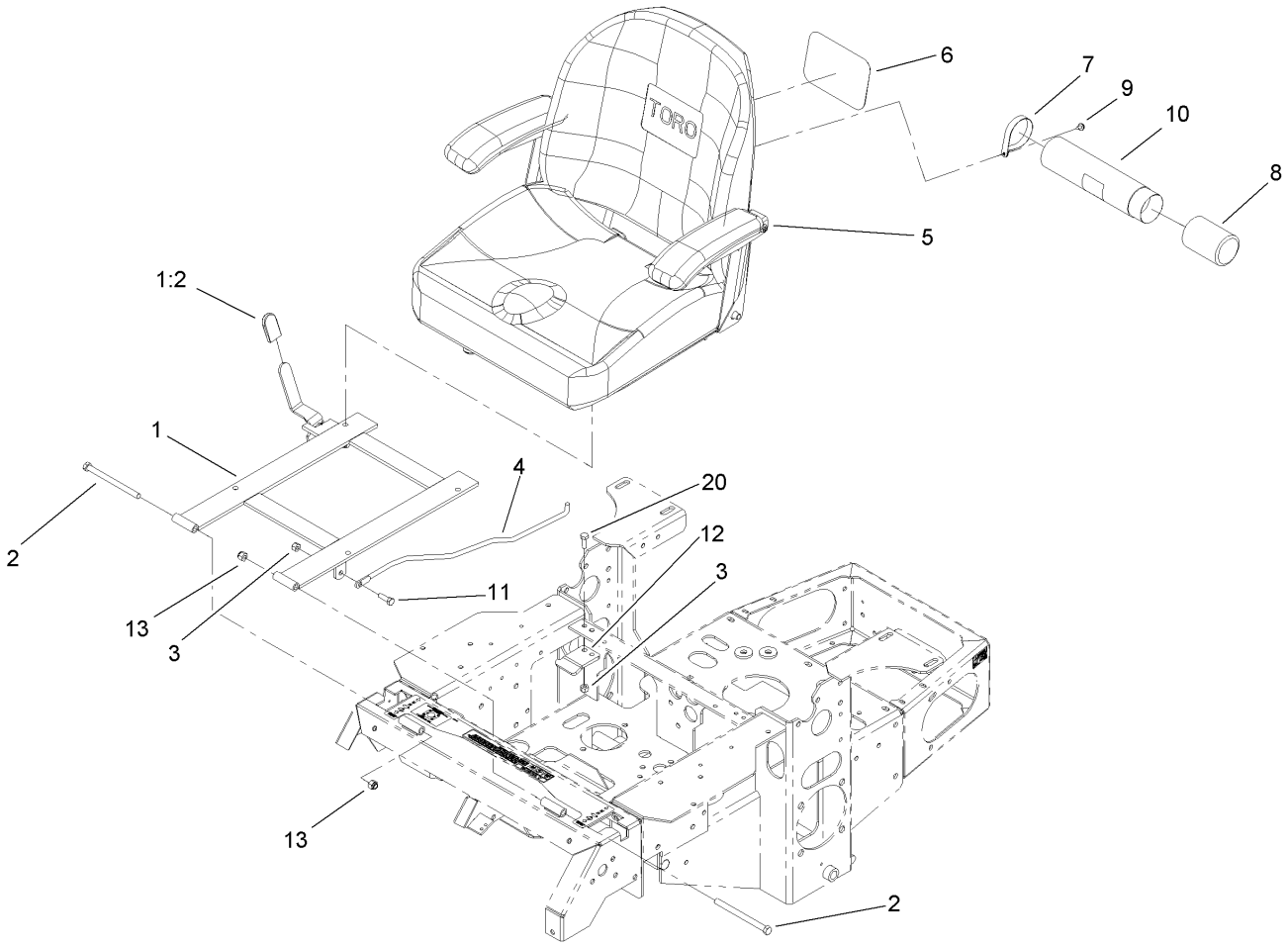
Ref	Part No.	Qty.	Description
1	3231-4	4	Screw-CARR
2	106-3246-01	1	Deflector
3	106-3248-03	1	Strap-Discharge
4	108-5029	1	Deflector-Rubber
5	108-4059-01	1	Plate-Hinge, Rear
6	106-3253-01	1	Plate-Hinge, Front
7	3296-39	4	Nut-Lock, NI



Electrical System Assembly

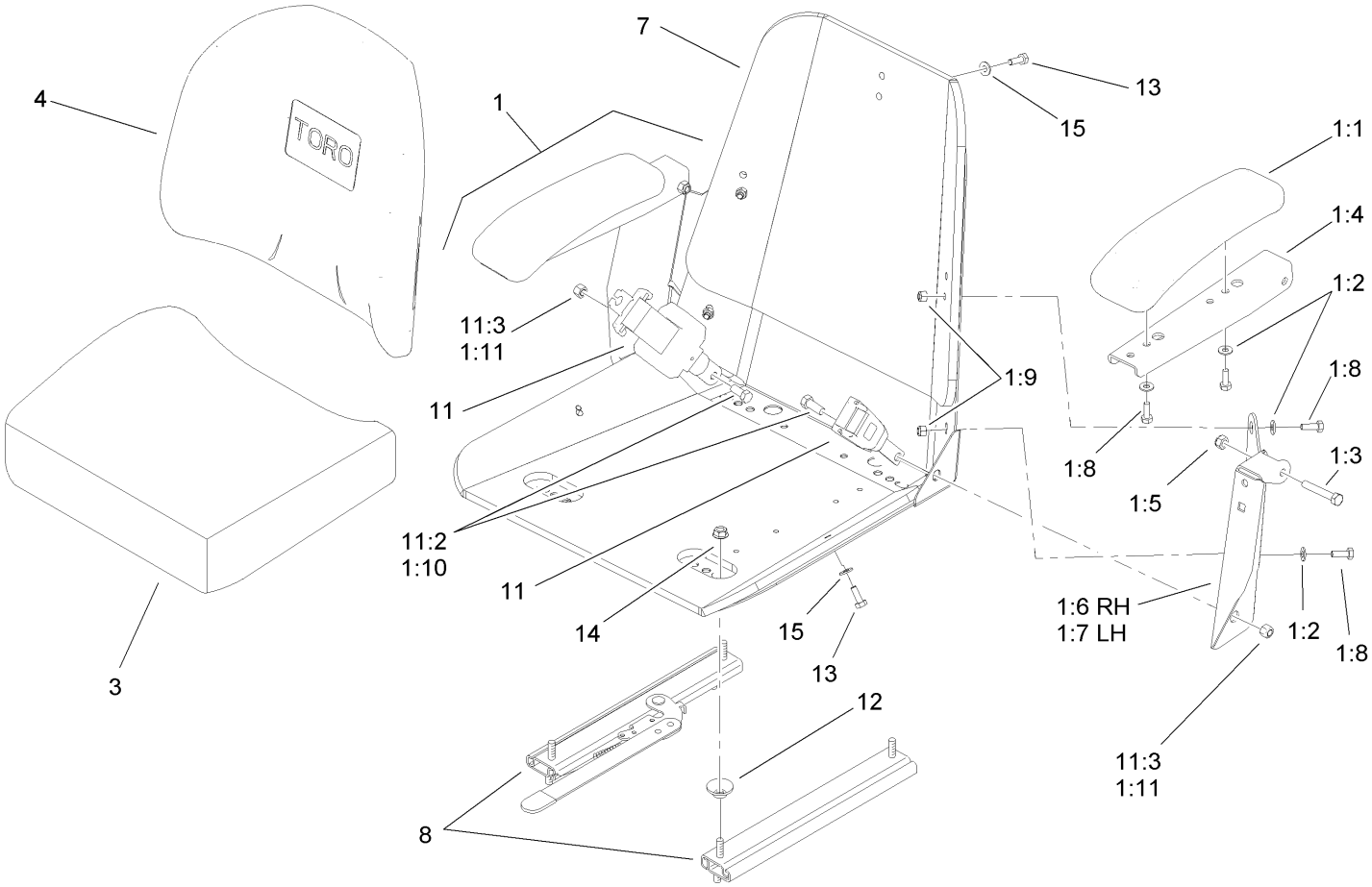
Ref	Part No.	Qty.	Description
1	1-543792	2	Wingnut
2	107-9277-03	1	Strap-Holddown, Battery
3	1-633651	2	Bolt-Holddown
4	103-0705	1	Cable-Ground, Negative
5	1-543391	1	Insulator-Battery
6	321-4	5	Screw-HH
7	3256-2	2	Washer-Flat
8	32128-33	6	Nut-HF
9	105-1692	1	Battery
9:1	104-4163	1	Decal-Battery
9:2	104-4164	1	Decal-Battery
10	103-0707	1	Cable-Battery, Positive
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	1-816001	2	Fuse-Blade Type, 20 Amp
21	110-0318	1	Harness-Electrical
22	1-303287	3	Tie-Plastic

Ref	Part No.	Qty.	Description
23	1-543393	3	Insulator-Solenoid
24	1-643275	2	Relay
25	1-633306	1	Cable-Starter, Positive
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-Key
34:1	218-461	1	Nut-HH
34:2	3254-5	1	Washer-Tooth
35	63-8360	2	Key-Ignition
36	103-5221	1	Switch-PTO
37	3296-2	6	Nut-Lock
38	1-807513	4	Bolt-CARR
47	107-9309	1	Decal-Instructions, Charging



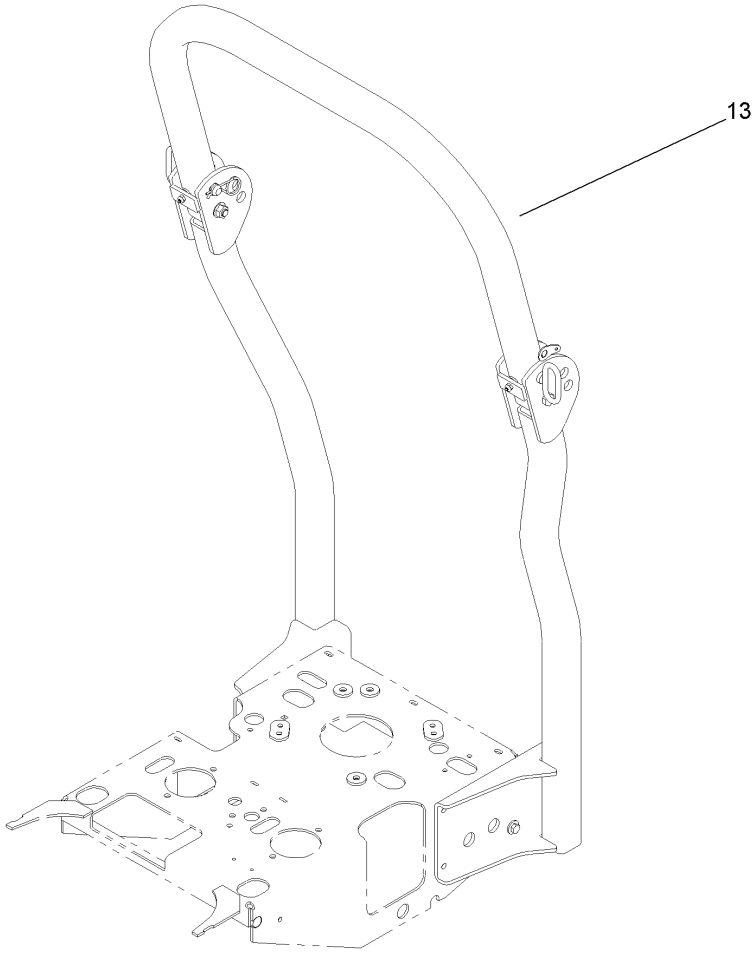
Seat and Bracket Assembly

Ref	Part No.	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	Housing-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



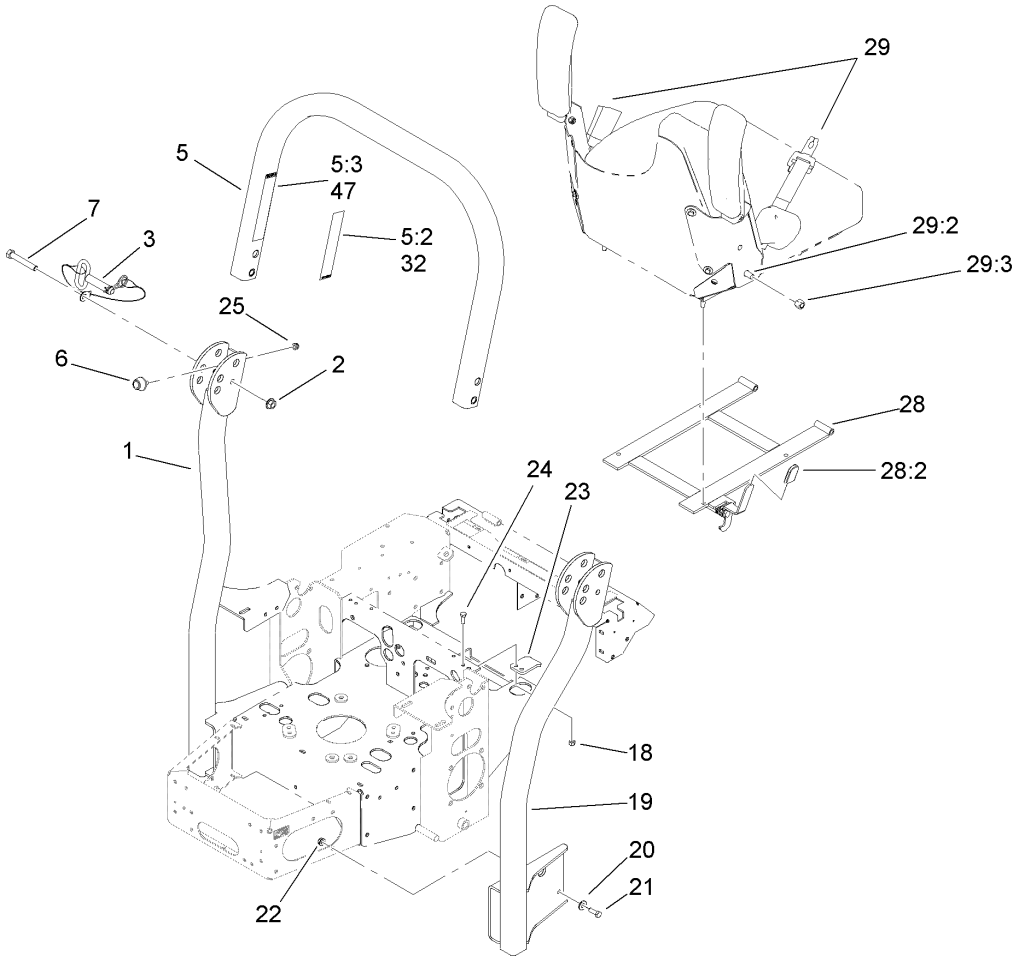
Seat Assembly No. 110-0446

Ref	Part No.	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
12	1-543401	4	Spacer-Track
13	321-30	5	Screw-HH
14	32128-20	4	Nut-HF
15	3256-22	5	Washer-Flat



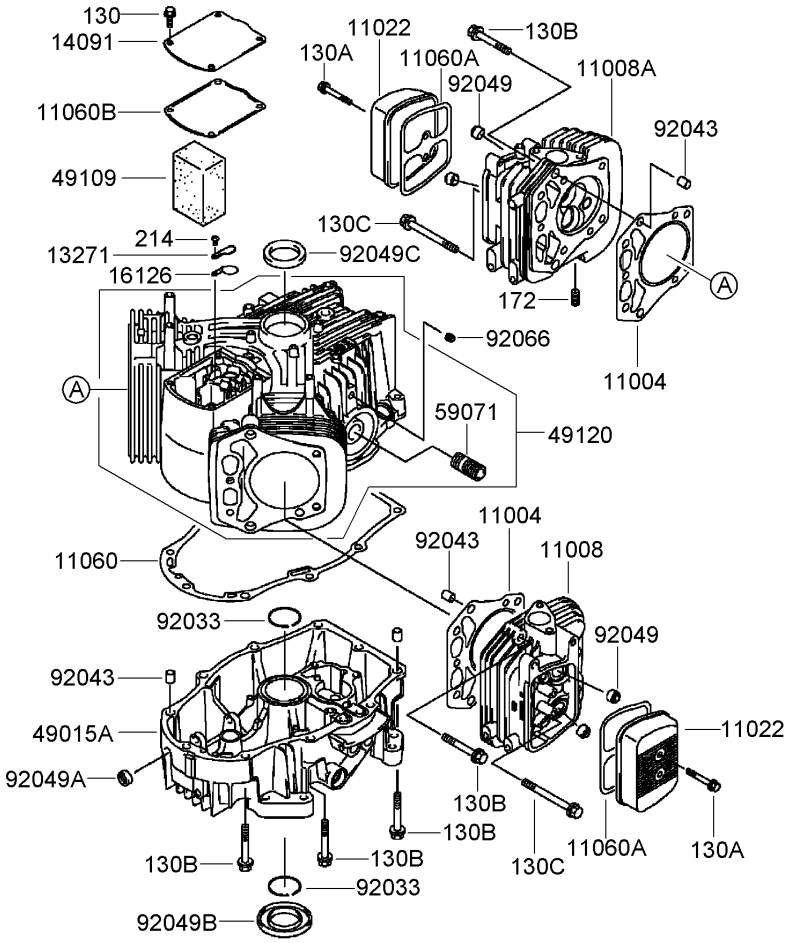
Roll-Over Protection System Assembly

Ref	Part No.	Qty.	Description
13	107-8093	1	ROPS ASM



Roll-Over Protection System Assembly No. 107-8093

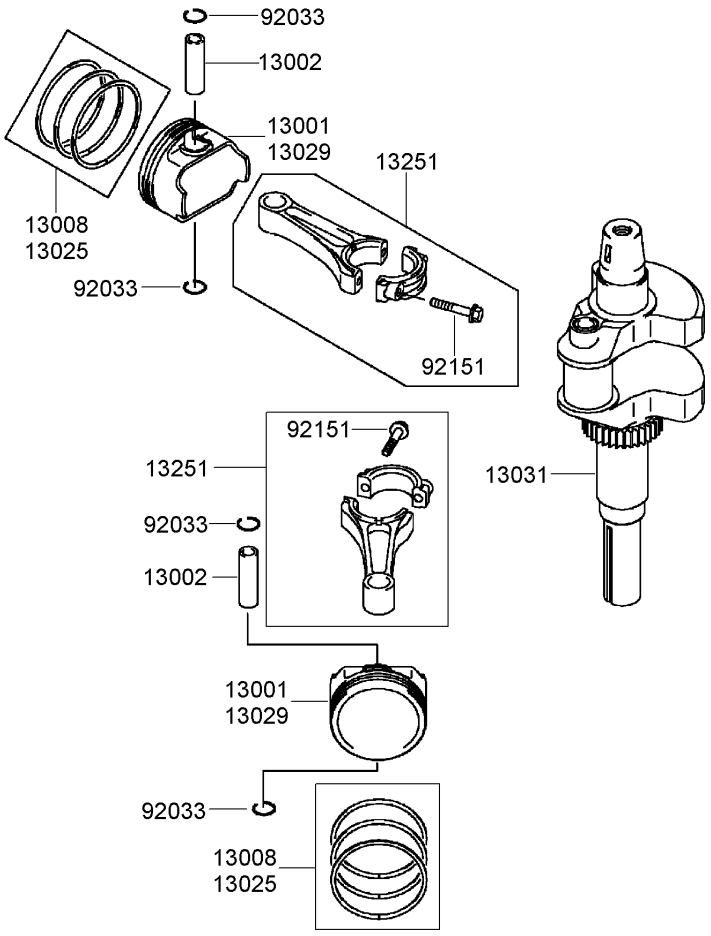
Ref	Part No.	Qty.	Description
❷1		1	LH Tube Support ASM
2	32128-23	2	Nut-HF
3	103-4553	2	ROPS Fold Pin ASM
❷5		1	Upper Tube ASM
5:2	107-2100	1	Decal
5:3	107-2102	1	Decal-Warning, Folding ROPS
6	109-2365	2	Bumper-Rubber (W/Stud)
7	325-13	2	Screw-HH
18	3296-29	2	Nut-Lock, NI
❷19		1	RH Tube Support ASM
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
32	107-3069	1	Decal-Warning, Folding ROPS (Ce)
47	107-2102	1	Decal-Warning, Folding ROPS



Cylinder and Crankcase Assembly
Kawasaki FH680V-DS21

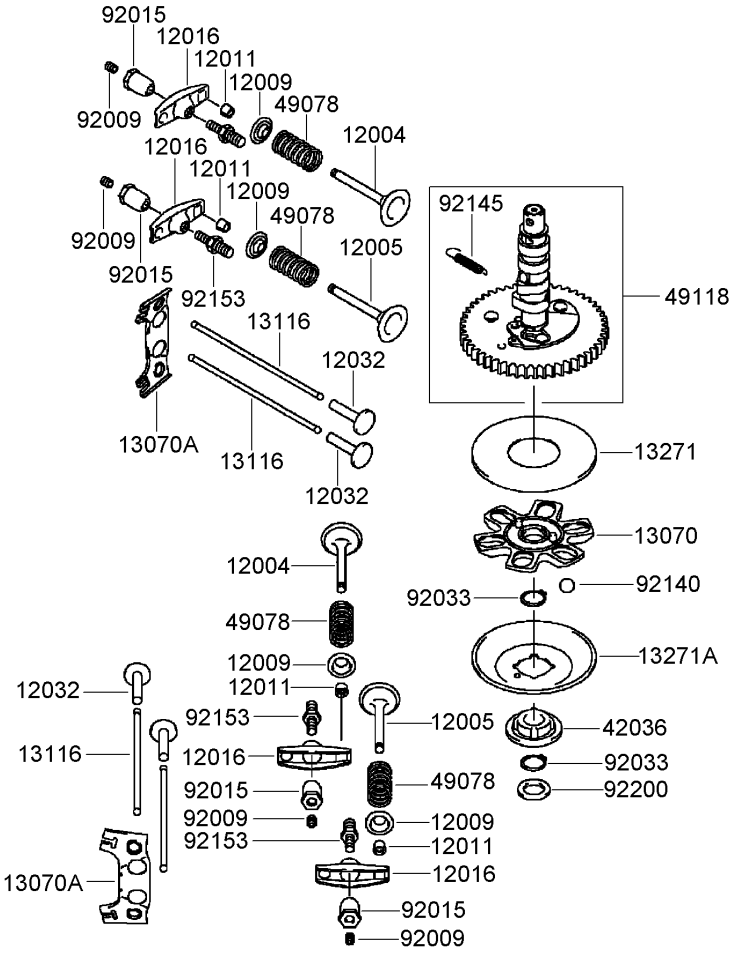
Ref	Part No.	Qty.	Description
❹11004	11004-7006	2	Gasket-Head
❹11008	11008-7023	1	Head-Cylinder, No.2
❹11008A	11008-7024	1	Head-Cylinder, No.1
❹11022	11022-7002	2	Case-Rocker
❹11060	11060-7012	1	Gasket-Cover, Crankcase
❹11060A	11060-7013	2	Gasket-Case, Rocker
❹11060B	11060-7014	1	Gasket-Breather
❹13271	13271-7006	1	Plate
❹14091	14091-7004	1	Cover
❹16126	16126-7001	1	Valve
❹49015A	49015-7064	1	Cover-Crankcase
❹49109	49109-7003	1	Element-Breather
❹49120	49120-7037	1	Crankcase
❹59071	59071-2079	1	Joint
❹92033	92033-7004	2	Ring-Snap
❹92043	92043-7001	6	Pin
❹92049	92049-7001	4	Seal-Oil, R V C2 (6X11X10.2)
❹92049A	92049-7005	1	Seal-Oil, S O (8X14X5 H S)
❹92049B	92049-7011	1	Seal-Oil, S D (35X62X8 L H S)
❹92049C	92049-7014	1	Seal-Oil, S D (35X52X7 R H S)
❹92066	92066-7002	1	Plug
❹130	130B0612	4	Bolt-Flanged (6X12)
❹130A	130B0640	4	Bolt-Flanged (6X40)
❹130B	130T0850	18	Bolt-Flanged (8X50)

Ref	Part No.	Qty.	Description
❹130C	130T0875	2	Bolt-Flanged (8X75)
❹172	172G0818	4	Bolt-Stud (8X18)
❹214	214B0408	1	Screw-Pan (4X8)



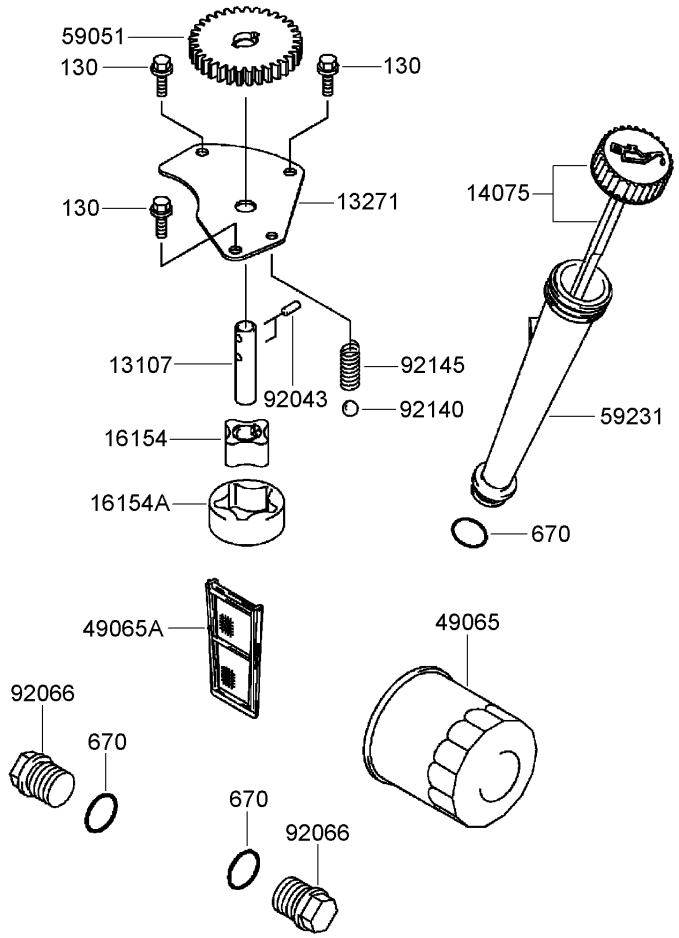
Piston and Crankshaft Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹13001	13001-7007	2	Piston-Engine
❹13002	13002-7001	2	Pin-Piston
❹13008	13008-6058	2	Ring Set-Piston
❹13025	13025-7002	1	Ring Set-Piston (L,0.50)
❹13029	13029-7003	1	Piston-Engine (L,0.50)
❹13031	13031-7048	1	Crankshaft
❹13251	13251-7005	2	Connecting Rod ASM
❹92033	92033-7002	4	Ring-Snap
❹92151	92151-7017	4	Bolt (6X35)



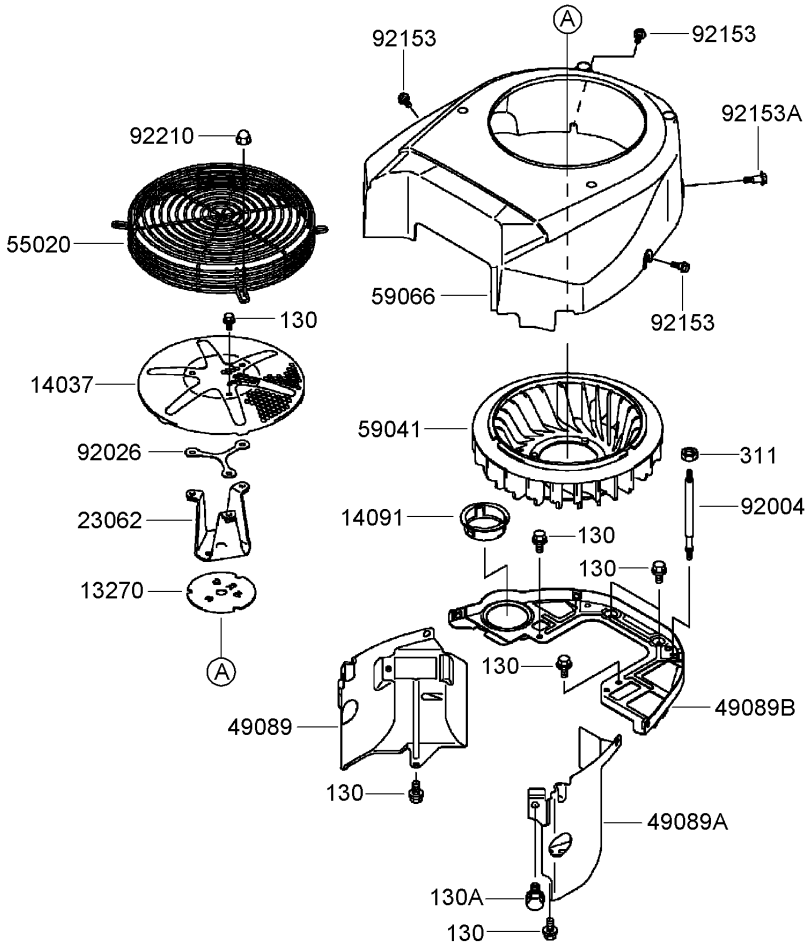
Valve and Camshaft Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹12004	12004-7002	2	Valve-Intake
❹12005	12005-7004	2	Valve-Exhaust
❹12009	12009-7001	4	Retainer-Spring, Valve
❹12011	12011-2056	8	Collet
❹12016	12016-7007	4	Arm-Rocker
❹12032	12032-7001	4	Tappet
❹13070	13070-7004	1	Guide
❹13070A	13070-7007	2	Guide
❹13116	13116-7002	4	Rod-Push
❹13271	13271-7007	1	Plate
❹13271A	13271-7021	1	Plate-Governor
❹42036	42036-7010	1	Sleeve
❹49078	49078-7002	4	Spring-Valve, Engine
❹49118	49118-7007	1	Camshaft
❹92009	92009-2341	4	Screw
❹92015	92015-2253	4	Nut
❹92033	92033-7001	2	Ring-Snap
❹92140	92140-7002	6	Ball
❹92145	92145-7001	1	Spring
❹92153	92153-7019	4	Bolt
❹92200	92200-7001	1	Washer



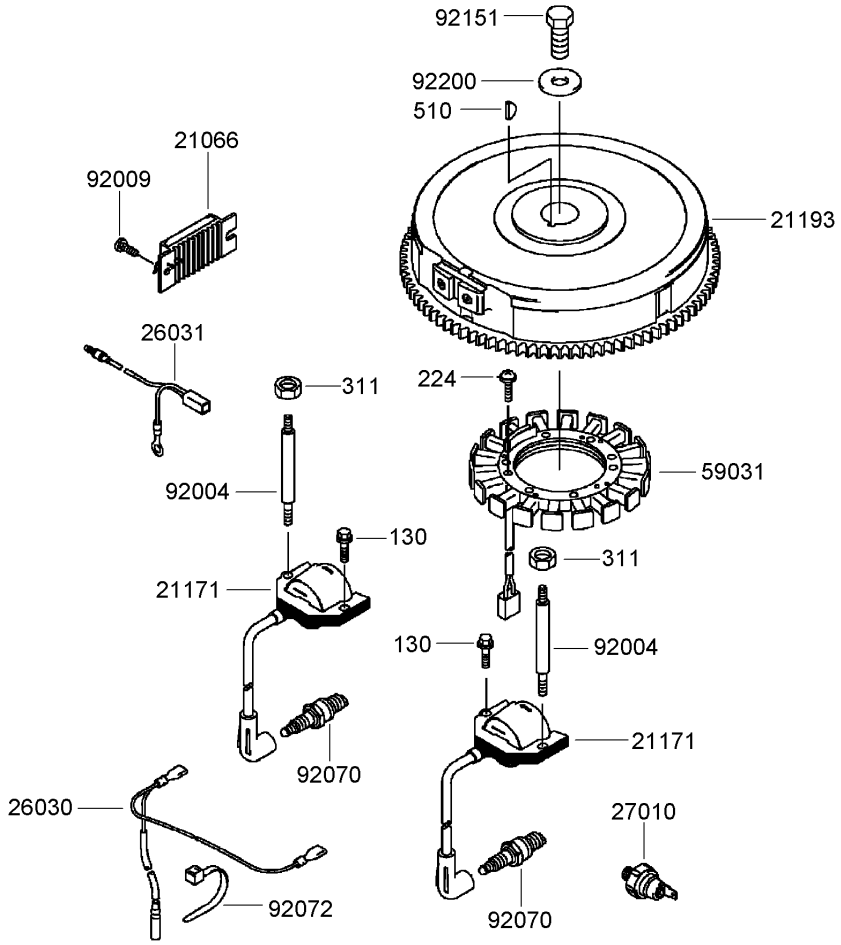
Lubrication Equipment Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹13107	13107-7009	1	Shaft
❹13271	13271-7005	1	Plate
❹14075	14075-7008	1	Cap ASM
❹16154	16154-7007	1	Rotor-Pump (In)
❹16154A	16154-7008	1	Rotor-Pump (Out)
❹49065	49065-2078	1	Filter-Oil
❹49065A	49065-7003	1	Filter-Oil
❹59051	59051-7011	1	Gear-Spur
❹59231	59231-7006	1	Filler
❹92043	92043-7003	2	Pin
❹92066	92066-7003	2	Plug
❹92140	92140-7003	1	Ball
❹92145	92145-7002	1	Spring
❹130	130B0612	3	Bolt-Flanged (6X12)
❹670	670D2016	3	O-Ring (16Mm)



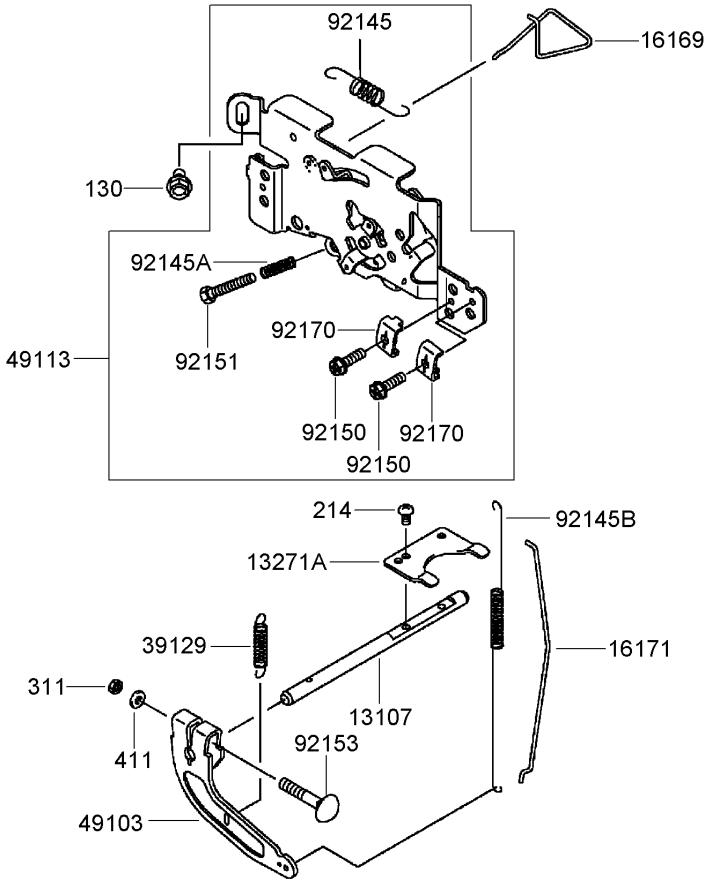
Cooling Equipment Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹13270	13270-7007	1	Plate
❹14037	14037-7008-9H	1	Screen
❹14091	14091-7002	1	Cover
❹23062	23062-7005	1	Bracket
❹49089	49089-7004	1	Shroud-Engine
❹49089A	49089-7005	1	Shroud-Engine
❹49089B	49089-7049	1	Shroud-Engine
❹55020	55020-7007	1	Guard
❹59041	59041-7003	1	Fan
❹59066	59066-7004	1	Housing-Fan
❹92004	92004-7006	2	Stud
❹92026	92026-7007	1	Spacer
❹92153	92153-7007	3	Bolt
❹92153A	92153-7008	1	Bolt
❹92210	92210-0003	4	Nut
❹130	130B0612	9	Bolt-Flanged (6X12)
❹130A	130B0816	1	Bolt-Flanged (8X16)
❹311	311B0600	2	Nut-Hex (6Mm)



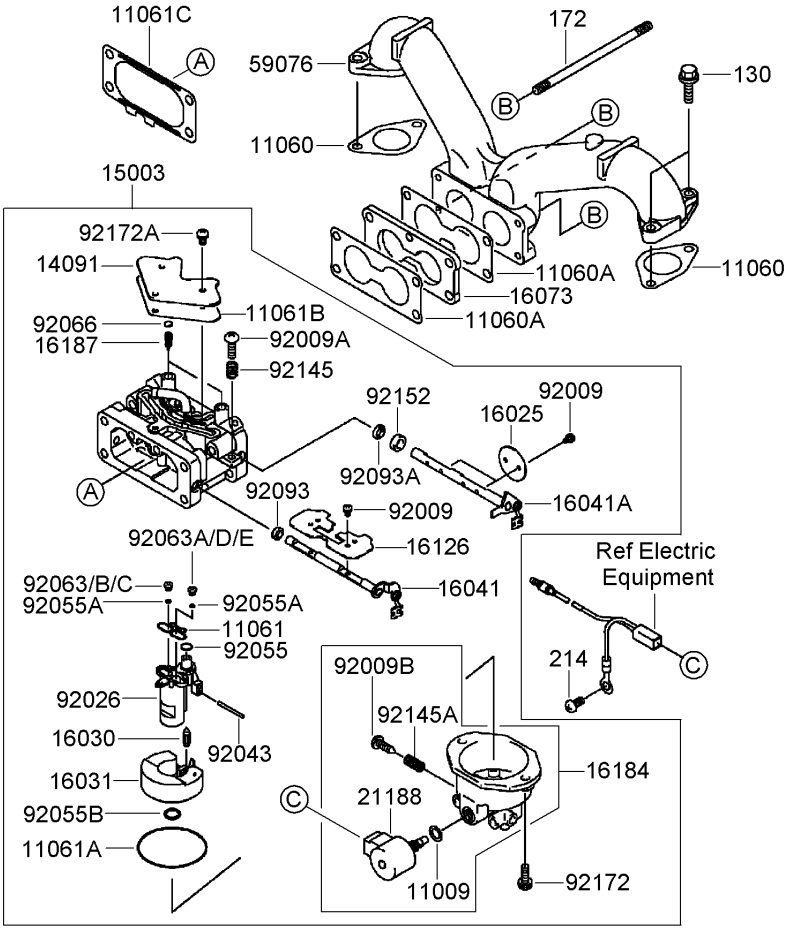
Electric Equipment Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹21066	21066-7011	1	Regulator-Voltage
❹21171	21171-7013	2	Ignition Coil ASM
❹21193	21193-7019	1	Flywheel-ASM
❹26030	26030-7002	1	Harness
❹26031	26031-7003	1	Harness
❹27010	27010-7001	1	Switch
❹59031	59031-7009	1	Coil-Charging
❹92004	92004-7009	2	Stud
❹92009	92009-2308	1	Screw
❹92070	92070-7004	2	Sparkplug, B P R 4 E S (N G K) Solid
❹92072	92072-7003	3	Band
❹92151	92151-2097	1	Bolt (12X30)
❹92200	92200-7002	1	Washer
❹130	130B0620	2	Bolt-Flanged (6X20)
❹224	224B0520	4	Screw-Pan (5X20)
❹311	311B0600	2	Nut-Hex (6Mm)
❹510	510A5100	1	Key-Woodruff



Control Equipment Assembly
Kawasaki FH680V-DS21

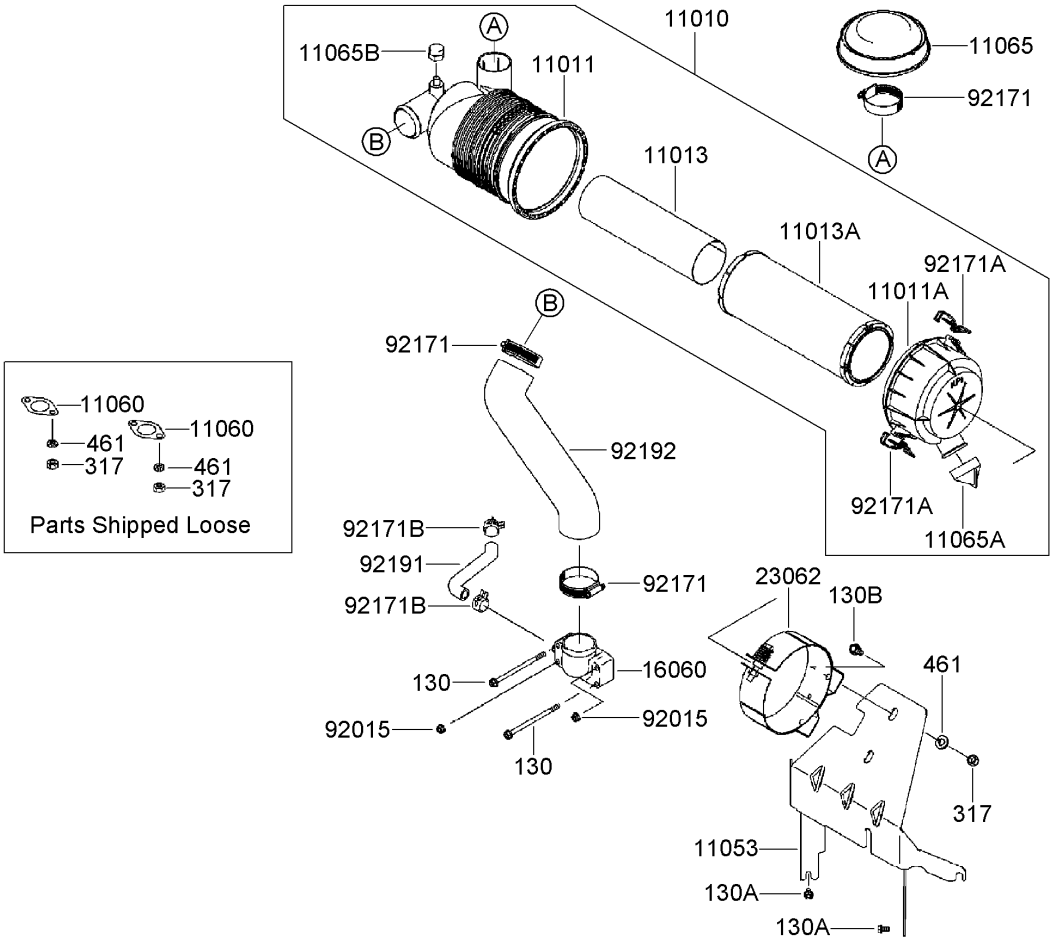
Ref	Part No.	Qty.	Description
❹13107	13107-7013	1	Shaft
❹13271A	13271-7032	1	Plate
❹16169	16169-7006	1	Link-Choke
❹16171	16171-7004	1	Link
❹39129	39129-7004	1	Spring-Governor
❹49103	49103-7004	1	Arm-Governor
❹49113	49113-7017	1	Panel-Control
❹92145	92145-7004	1	Spring
❹92145A	92145-7005	1	Spring
❹92145B	92145-7034	1	Spring
❹92150	92150-2182	2	Bolt (5X18)
❹92151	92151-7014	1	Bolt (5X30)
❹92153	92153-7033	1	Bolt (6X35)
❹92170	92170-7001	2	Clamp
❹130	130B0612	2	Bolt-Flanged (6X12)
❹214	214B0408	2	Screw-Pan (4X8)
❹311	311B0600	1	Nut-Hex (6Mm)
❹411	411B0600	1	Washer-Plain (6Mm)



Carburetor Assembly
Kawasaki FH680V-DS21

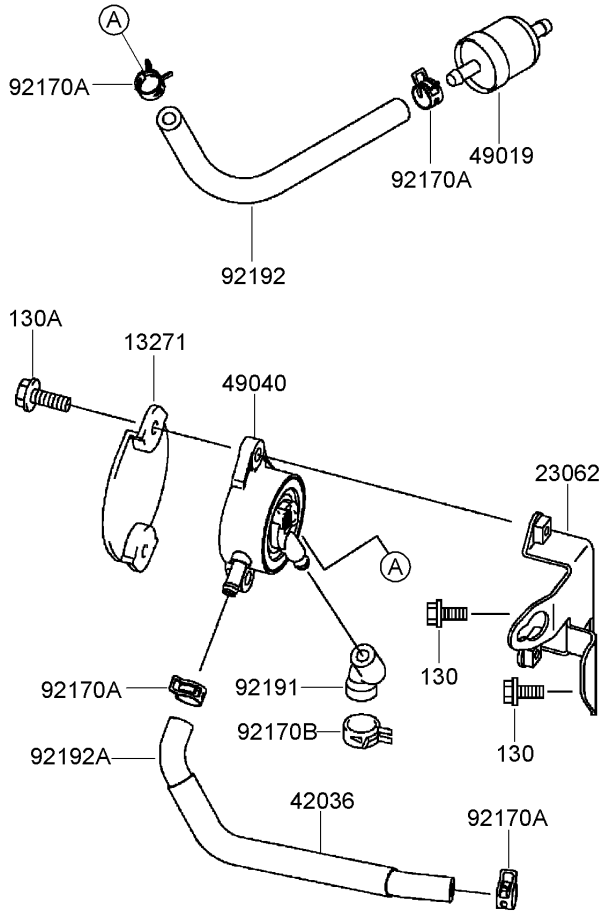
Ref	Part No.	Qty.	Description
❹11009	11009-2056	1	Gasket
❹11060	11060-7011	2	Gasket-Manifold
❹11060A	11060-7024	2	Gasket-Carburetor
❹11061	11061-7037	1	Gasket
❹11061A	11061-7038	1	Gasket
❹11061B	11061-7039	1	Gasket
❹11061C	11061-7043	1	Gasket
❹14091	14091-7031	1	Cover
❹15003	15003-7120	1	Carburetor ASM
❹16025	16025-7003	2	Valve-Throttle
❹16030	16030-7004	1	Valve-Float
❹16031	16031-7003	1	Float
❹16041	16041-7021	1	Shaft-Carburetor
❹16041A	16041-7024	1	Shaft-Carburetor
❹16073	16073-7005	1	Insulator
❹16126	16126-7015	1	Valve
❹16184	16184-7017	1	Chamber Float ASM
❹16187	16187-7002	2	Needle-Jet
❹21188	21188-7003	1	Solenoid
❹59076	59076-7002	1	Manifold-Intake
❹92009	92009-7003	6	Screw
❹92009A	92009-7004	1	Screw
❹92009B	92009-7006	1	Screw-Drain
❹92026	92026-7011	1	Spacer

Ref	Part No.	Qty.	Description
❹92043	92043-7014	1	Pin
❹92055	92055-7012	1	O-Ring
❹92055A	92055-7013	2	O-Ring
❹92055B	92055-7016	1	O-Ring
❹92063	92063-7051	1	Jet-Main, No.104
❹92063A	92063-7054	1	Jet-Main, No.108
❹92063B	92063-7075	1	Jet-Main, No.101 (3280)
❹92063C	92063-7076	1	Jet-Main, No.098 (6560)
❹92063D	92063-7077	1	Jet-Main, No.105 (3280)
❹92063E	92063-7078	1	Jet-Main, No.102 (6560)
❹92066	92066-7009	2	Plug, Extension
❹92093	92093-7001	1	Seal (I D 5.9)
❹92093A	92093-7002	1	Seal (I D 6.9)
❹92145	92145-7010	1	Spring
❹92145A	92145-7011	1	Spring
❹92152	92152-7005	1	Collar
❹92172	92172-7005	2	Screw
❹92172A	92172-7006	3	Screw
❹130	130B0620	4	Bolt-Flanged (6X20)
❹172	172G06105	2	Bolt-Stud (6X10.5)
❹214	214B0510	1	Screw-Pan (5X10)



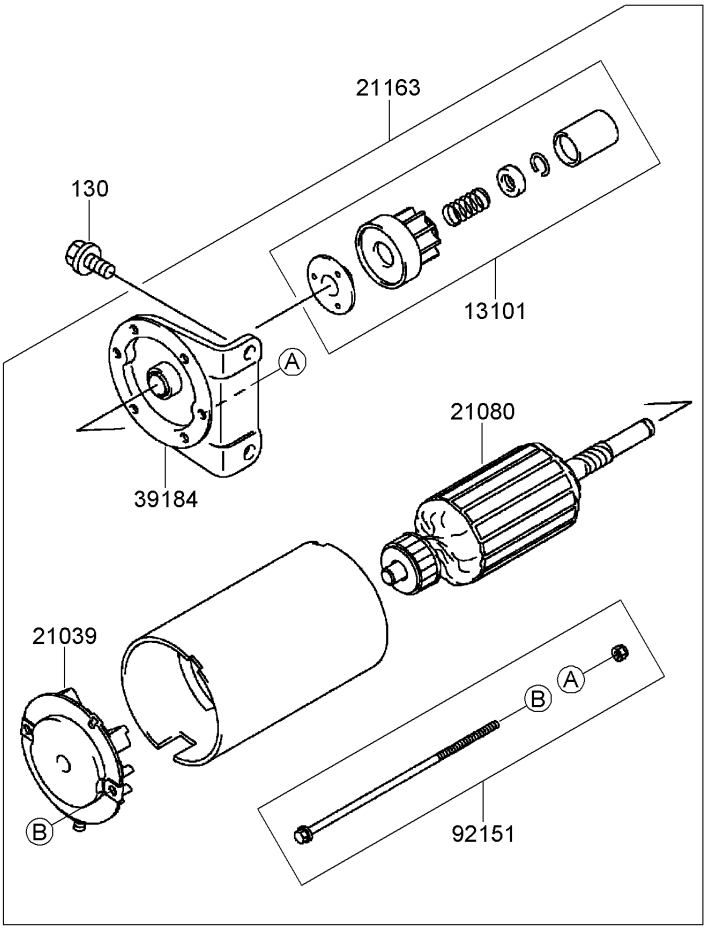
Air Filter and Muffler Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹11010	11010-7011	1	Air Filter ASM
❹11011	11011-7013	1	Case-Filter, Air
❹11011A	11011-7014	1	Case-Filter, Air
❹11013	11013-7019	1	Element-Filter, Air
❹11013A	11013-7020	1	Element-Filter, Air
❹11053	11053-7016	1	Bracket
❹11060	11060-7016	2	Gasket-Muffler
❹11065	11065-7006	1	Cap
❹11065A	11065-7008	1	Cap
❹11065B	11065-7009	1	Cap
❹16060	16060-7021	1	Pipe-Intake
❹23062	23062-7009	1	Bracket
❹92015	92015-1193	2	Nut
❹92171	92171-7007	3	Clamp
❹92171A	92171-7009	2	Clamp
❹92171B	92171-7013	2	Clamp
❹92191	92191-7006	1	Tube
❹92192	92192-7030	1	Tube
❹130	130B06105	2	Bolt-Flanged (6X10.5)
❹130A	130B0612	2	Bolt-Flanged (6X12)
❹130B	130B0814	2	Bolt-Flanged (8X14)
❹317	317R0800	6	Nut-Hex (8Mm)
❹461	461F0800	6	Washer-Spring (8Mm)



Fuel Tank and Valve Assembly
Kawasaki FH680V-DS21

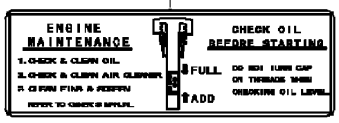
Ref	Part No.	Qty.	Description
❹13271	13271-7004	1	Plate
❹23062	23062-7004-9H	1	Bracket
❹42036	42036-7012	1	Sleeve
❹49019	49019-7001	1	Filter-Fuel
❹49040	49040-7001	1	Pump-Fuel
❹92170A	92170-2088	4	Clamp
❹92170B	92170-7003	1	Clamp
❹92191	92191-7027	1	Tube
❹92192	92192-7037	1	Tube (6.35X12.7X160)
❹92192A	92192-7039	1	Tube (6.35X12.7X200)
❹130	130B0616	2	Bolt-Flanged (6X16)
❹130A	130B0620	2	Bolt-Flanged (6X20)



Starter Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹13101	13101-7003	1	Gear ASM
❹21039	21039-7004	1	Brush
❹21080	21080-7001	1	Armature
❹21163	21163-7010	1	Starter-Electric
❹39184	39184-7004	1	Bracket ASM
❹92151	92151-7013	1	Bolt
❹130	130B0816	2	Bolt-Flanged (8X16)

56033



56080



Label Assembly
Kawasaki FH680V-DS21

Ref	Part No.	Qty.	Description
❹56033	56033-7003	1	Label-Manual
❹56080	56080-7009	1	Decal-Brand

Attachments and Accessories

For 74416 - Z453 Z Master, With 52in TURBO FORCE 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
52 Inch Recycler Kit	107-1610
Deluxe Suspension Seat	107-1891
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
Roller Striping Kit	108-2162
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
Sunshade-Bimini	110-5726
Discharge Side Anti-Scalp Roller Kit	112-1792
Channel Reinforcement Kit	112-8673
DFS Vac Collection System	78510
Twin Bag Assembly	78532
Blower and Drive Kit	78537
Hitch Kit	99-8924

NOTES

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TORO®