



Z453 Z Master[®] **With 132cm TURBO FORCE[®] Side Discharge Mower**

Model No. 74416TE - 260000001 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.

Contents

Description	Page	Description	Page
Front Frame Assembly	 3	Cylinder / Crankcase Assembly Kawasaki FH680V-AS21	 27
Caster Wheel Assembly No. 1-634662	 4	Piston / Crankshaft Assembly Kawasaki FH680V-AS21	 28
Height-of-Cut Assembly	 5	Valve / Camshaft Assembly Kawasaki FH680V-AS21	 29
Main Frame Assembly	 6	Lubrication Equipment Assembly Kawasaki FH680V-AS21	 30
Fuel System Assembly	 7	Cooling Equipment Assembly Kawasaki FH680V-AS21	 31
Parking Brake Assembly	 8	Electric Equipment Assembly Kawasaki FH680V-AS21	 32
Motion Control Assembly	 9	Control Equipment Assembly Kawasaki FH680V-AS21	 33
Hydraulic System Assembly	 10	Carburetor Assembly Kawasaki FH680V-AS21	 34
Hydraulic Pump Assembly No. 103-1942	 12	Air Filter and Muffler Assembly Kawasaki FH680V-AS21	 35
Pump Idler and Belt Assembly	 13	Starter Assembly Kawasaki FH680V-AS21	 36
Engine, Clutch and Muffler Assembly	 14	Fuel Tank / Fuel Valve Assembly Kawasaki FH680V-AS21	 37
Deck Connection Assembly	 15	Decal Assembly Kawasaki FH680V-AS21	 38
Deck Assembly No 107-1671	 16	Attachments and Accessories List	 39
Idler Assembly	 18		
Spindle Assembly No. 107-8504	 19		
Deck Decal Assembly No. 107-1668	 20		
Rubber Deflector Assembly No. 108-2792	 21		
Electrical System Assembly	 22		
Seat and Bracket Assembly	 23		
Seat Assembly No. 110-0446	 24		
Roll-Over-Protection-System Assembly	 25		
Roll-Over-Protection-System Assembly No. 107-8093	 26		

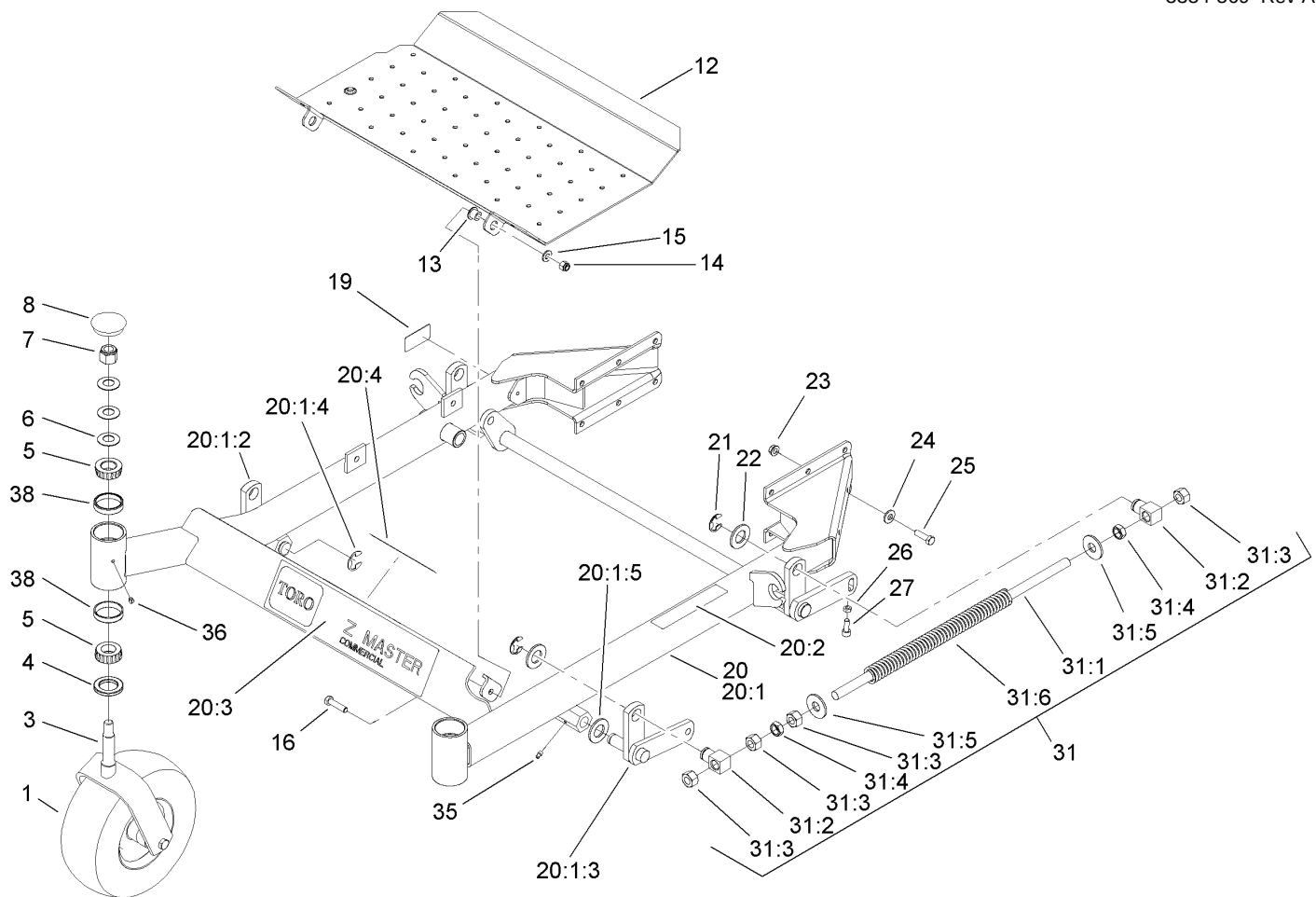
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Footnotes

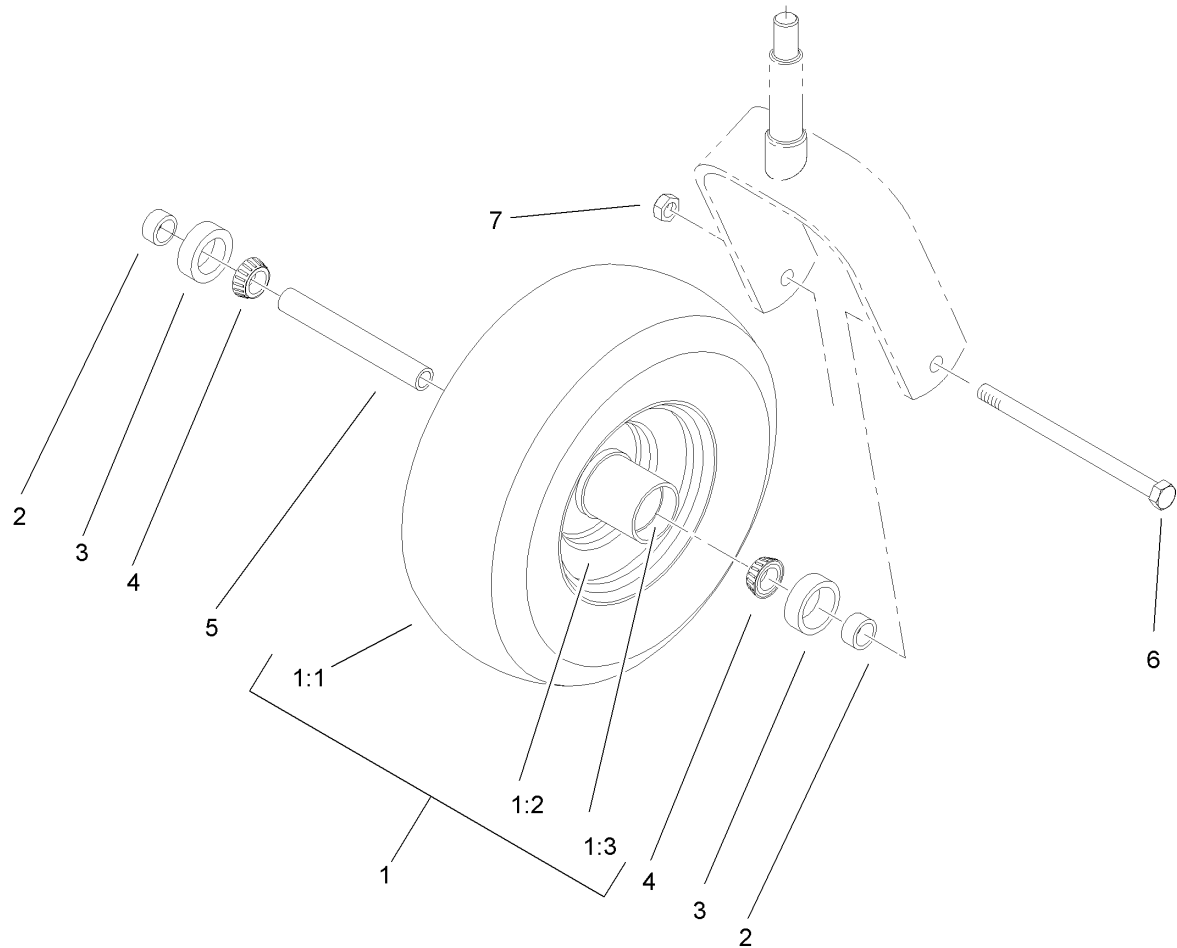
- | | |
|------------------------------|---------------------------|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Obtain Parts From Kawasaki | ❹ Optional Equipment |



Front Frame Assembly

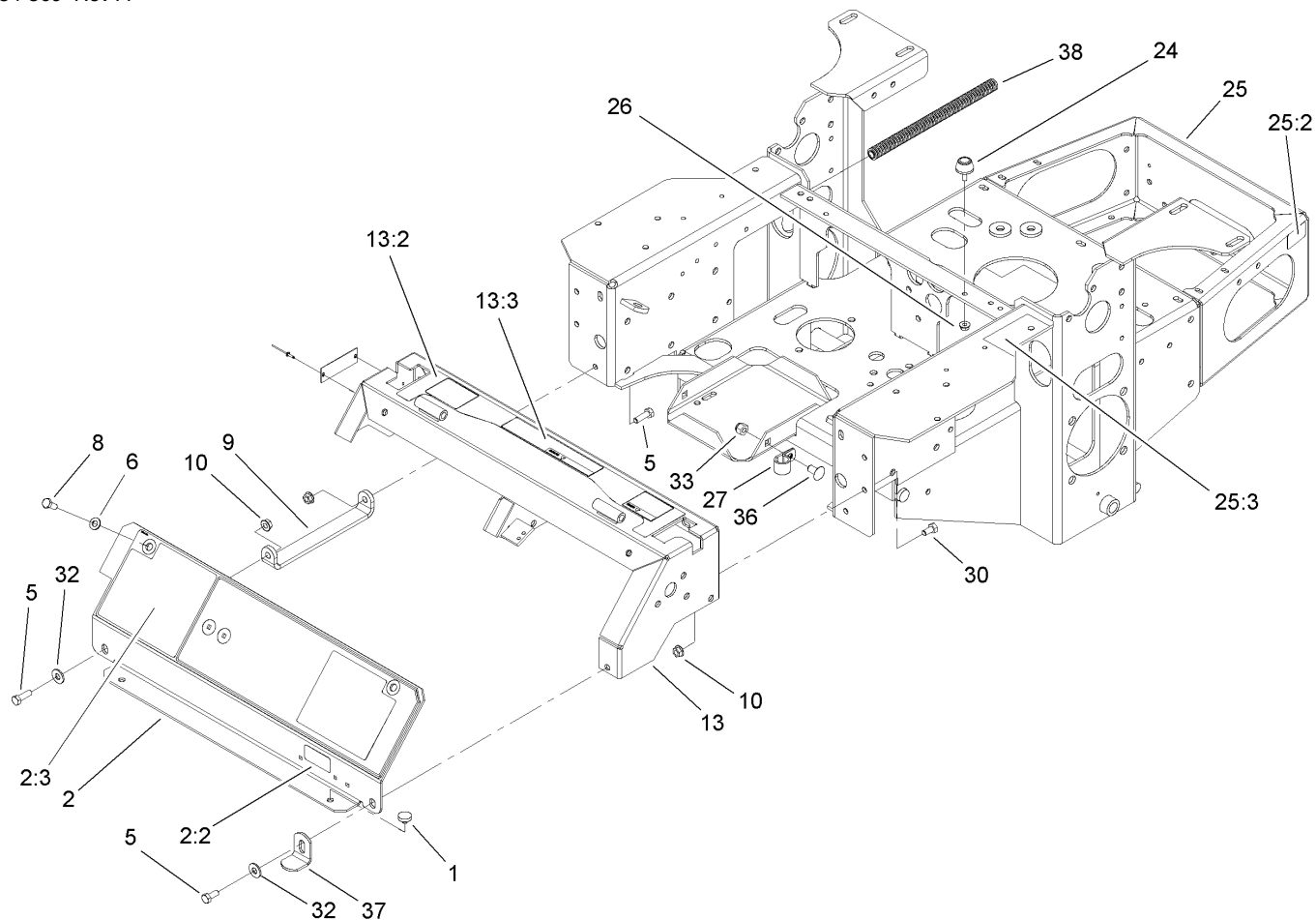
Ref	Part No.	Qty.	Description
1	1-634662	2	Caster Wheel ASM
3	1-632511-01	2	Caster
4	1-543511	2	Seal-Grease
5	254-94	4	Bearing-Cone, Tapered
6	1-633508	6	Washer-Bellville
7	3296-51	2	Nut-Lock, NI
8	103-4882	2	Cap-Grease
12	108-5007-03	1	Floor Pan
13	86-2180	2	Bushing-Flange
14	3296-39	2	Nut-Lock, NI
15	3256-24	2	Washer-Flat
16	323-8	2	Screw-HH
19	108-5278	1	Decal
20	108-5042	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-Snap
20:1:5	3256-29	2	Washer-Flat
20:2	107-2132	1	Decal-Warning
20:3	106-7451	1	Decal
20:4	107-1866	1	Decal-Danger, Slope
21	32151-103	4	Ring-Snap
22	3256-29	4	Washer-Flat

Ref	Part No.	Qty.	Description
23	3290-357	12	Nut-HHF, Whiz
24	98-5975	12	Washer-Bellville
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. 1-634662

Ref	Part No.	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				

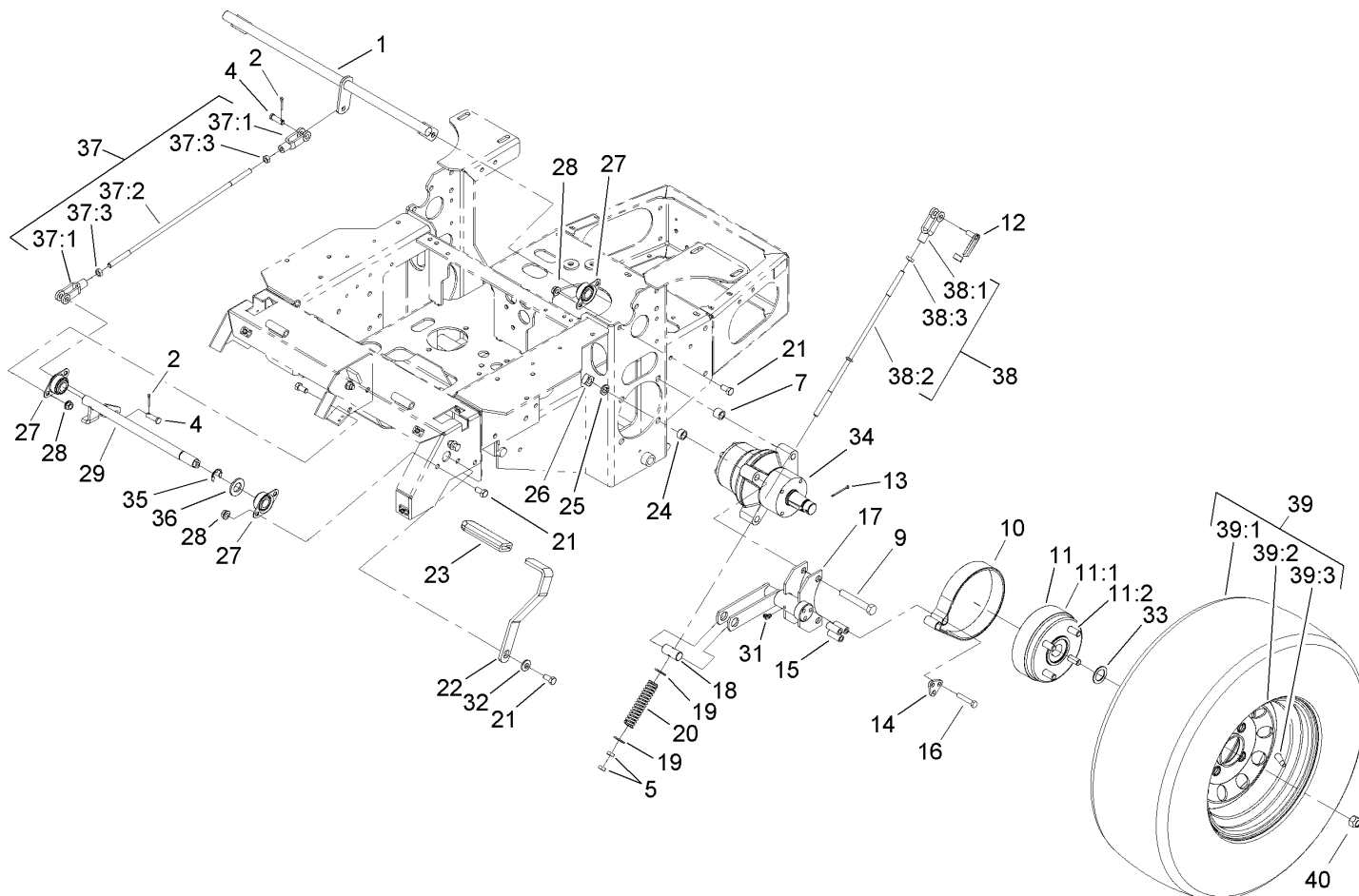


Main Frame Assembly

Ref	Part No.	Qty.	Description				
1	1-513658	2	Bumper				
2	108-1865	1	Panel ASM				
2:2	98-4387	1	Decal-Protection, Ear				
2:3	108-1054	1	Decal-Panel, Cover				
5	322-5	3	Screw-HH				
6	3256-23	2	Washer-Flat				
8	322-3	2	Screw-HH				
9	103-7935-03	1	Bracket, Instrument Panel				
10	32128-20	6	Nut-HF				
13	105-6124	1	Console				
13:2	99-8936	2	Decal-Control, Motion				
13:3	99-8944	1	Decal-Battery				
24	1-523420	2	Bumper				
25	108-2784	1	Main Frame ASM				
25:2	106-5517	2	Decal-Surface, Hot				
25:3	105-6183	1	Decal-Release, Drive				
26	32128-33	2	Nut-HF				
27	1-633396	1	Clip-Loom				
30	322-2	4	Screw-HH				
32	3256-3	2	Washer-Flat				
33	3296-39	1	Nut-Lock, NI				
36	3231-21	1	Screw-CARR				
37	99-8947-03	1	Stop-Cover				
38	24-7922	2	Cover-Shaft, Drive				



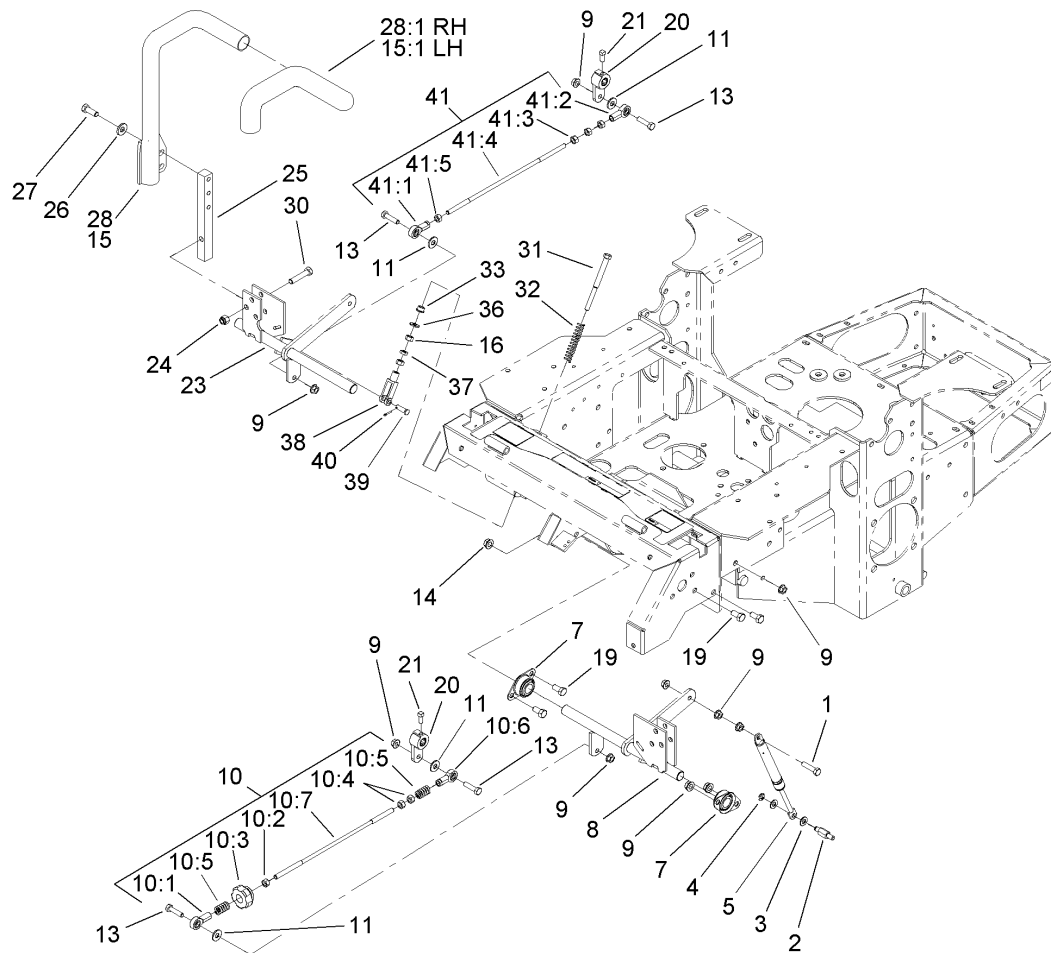
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	110-4165	1	LH Fuel Tank Service Kit	22	1-633349	4	Spring-Tank, Fuel
2	110-4165	1	LH Fuel Tank ASM	23	3296-47	4	Nut-Lock, NI
1:1:2	103-2605	1	Fitting-Fuel, Bulkhead	24	1-513762	2	Clip-Loom
1:2	109-0346	1	Cap-Fuel, Gas	25	321-4	2	Screw-HH
2	105-3639	1	RH Fuel Tank Service Kit	26	32128-33	2	Nut-HF
2:1	105-3639	1	RH Fuel Tank ASM	27	1-513592	1	Knob-Ball
2:1:2	103-2605	1	Fitting-Fuel, Bulkhead	28	1-633696	1	Throttle Cable ASM
2:2	109-0346	1	Cap-Fuel, Gas	29	3296-2	2	Nut-Lock
3	3256-23	8	Washer-Flat	30	106-9962	1	Control-Choke, Push / Pull
4	1-805005	4	Washer-Lock	31	1-807513	2	Bolt-CARR
5	322-3	4	Screw-HH				
6	322-3	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	1-803071	4	Screw				
21	1-633023	4	Stud				



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
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, Brake
24	1-653069	4	Spacer-Wheel
25	3253-7	8	Washer-Lock

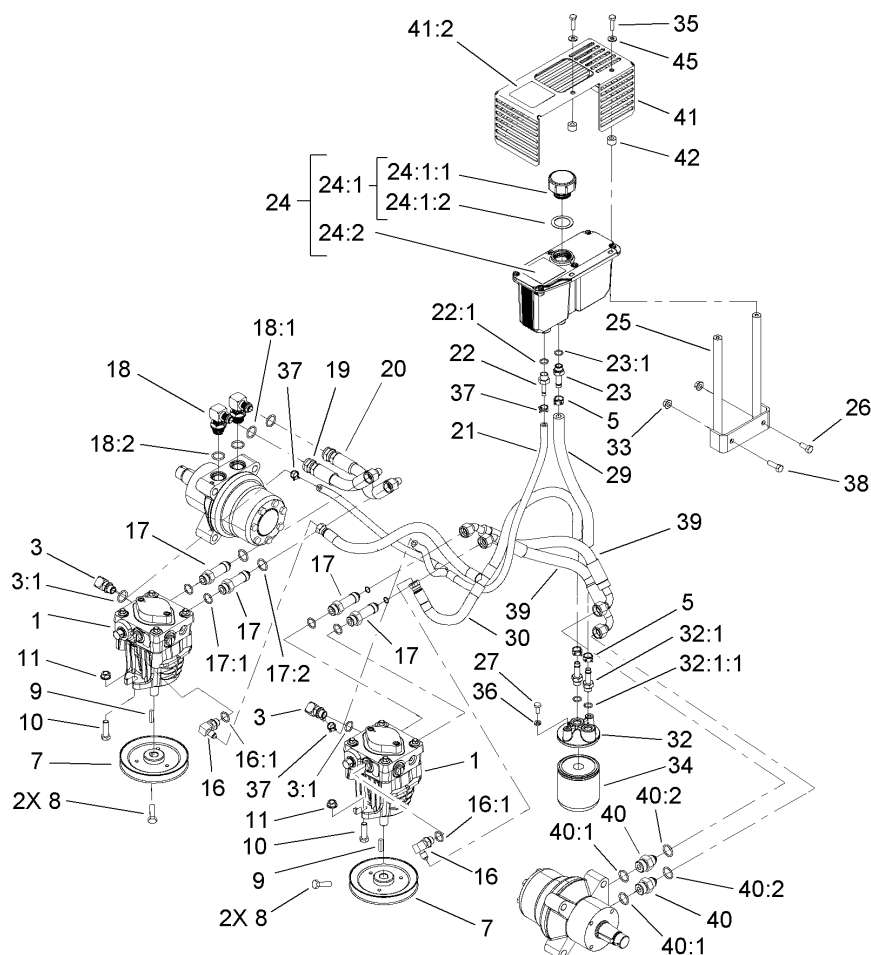
Ref	Part No.	Qty.	Description
26	103-0131	8	Nut-Square
27	1-633102	4	Bearing-Flange, Side
28	3290-357	8	Nut-HHF, Whiz
29	103-3116	1	Shaft-Brake, Parking
31	1481	2	Fitting-Grease
32	98-5975	1	Washer-Belleville
33	1-523157	2	Washer-Spacer
34	103-5333	2	Motor-Wheel
35	32151-48	1	E-Ring
36	3256-28	1	Washer-Flat
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	E-Ring
5	103-4079	2	Damper-Control, Motion
7	1-633102	4	Bearing-Flange, Side
8	103-4774	1	Control-Motion, LH
9	32128-20	12	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-Thread, LH
10:7	103-3066	1	Link-Rod, Tracking
11	3256-3	4	Washer-Flat
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
16	3219-2	4	Nut-Hex
19	323-4	6	Screw-HH
20	103-3717	2	Arm-Control

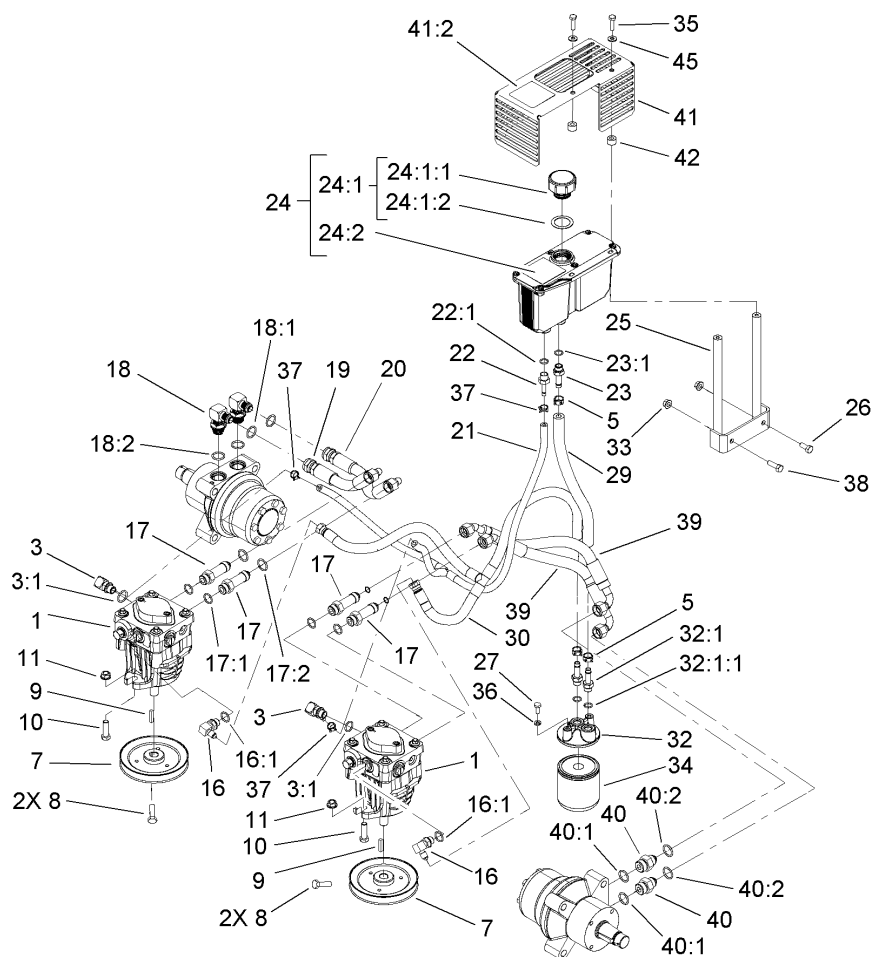
Ref	Part No.	Qty.	Description
21	1-803022	2	Screw-Set
23	103-4773	1	Control-Motion, RH
24	3296-39	6	Nut-Lock, NI
25	103-0407	2	Arm-Shaft, Control
26	98-5975	4	Washer-Belleville
27	323-6	4	Screw-HH
28	108-7237	1	RH Lever ASM
28:1	106-9987	1	Grip-Control, Motion
30	323-9	6	Screw-HH
31	1-603737	2	Bolt-Return, Neutral
32	1-603807	2	Spring-Return, Neutral
33	1-603735	2	Bushing-Flanged
36	3256-2	2	Washer-Flat
37	3220-2	2	Nut-Jam
38	1-303105	2	Yoke-Adjustable
39	1-808280	2	Pin-Clevis
40	3272-5	2	Pin-Cotter
41	103-4327	1	Tracking ASM
41:1	1-543017	1	Balljoint-RH
41:2	1-633152	1	Balljoint-Thread, LH
41:3	1-804524	1	Nut
41:4	103-3066	1	Link-Rod, Tracking
41:5	3219-2	3	Nut-Hex



Hydraulic System Assembly

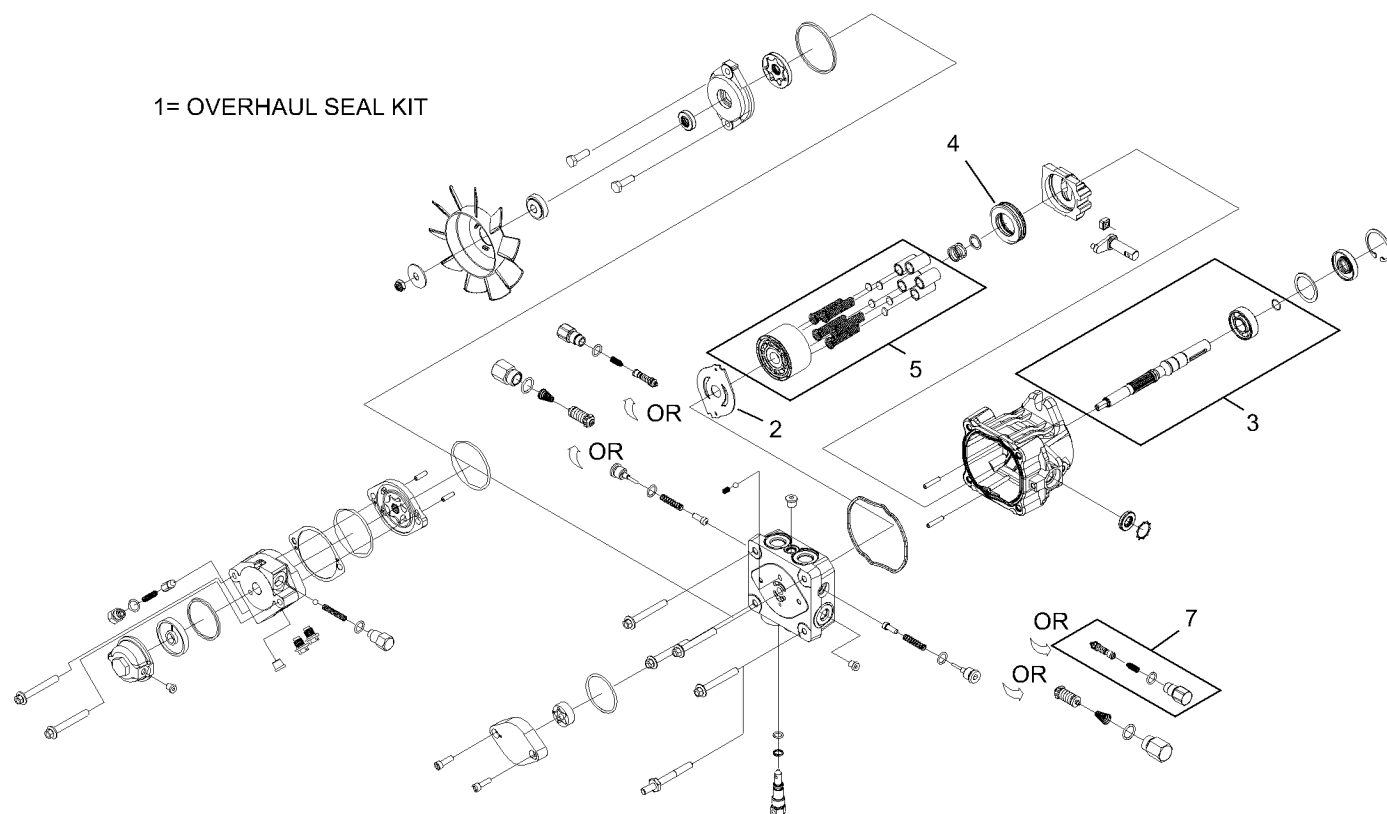
Ref	Part No.	Qty.	Description
1	103-1942	2	Pump-HYD
3	103-1799	2	Elbow-90 DEG
3:1	237-42	1	O-Ring
5	103-1988	3	Clamp-Hose
7	1-653156	2	Pulley
8	1-803050	4	Screw-Set
9	1-807272	2	Key
10	323-7	4	Screw-HH
11	3290-357	4	Nut-HHF, Whiz
16	103-1802	2	Fitting-HYD, 90 DEG
16:1	1-603921	1	O-Ring
17	103-1940	4	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	100-3964	1	Hose-Front
20	100-3965	1	Hose-Rear
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 No.	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-HYD
34	1-633752	1	Filter-HYD, Winter
35	321-8	2	Screw-HH
36	1-805004	2	Washer-Lock
37	103-1716	3	Clamp-Hose
38	322-5	1	Screw-HH
39	105-6187	2	Hose ASM
40	1-603991	2	Fitting-Straight
40:1	237-80	1	O-Ring
40:2	1-603992	1	O-Ring



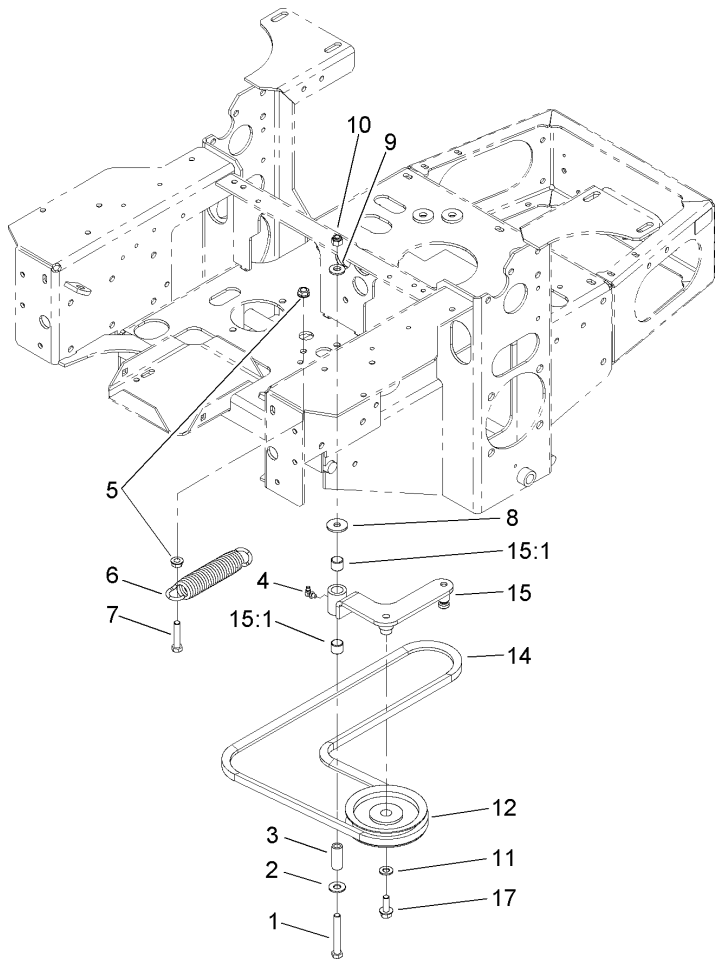
Hydraulic System Assembly (continued)

Ref	Part No.	Qty.	Description
41	107-2130	1	Shield ASM
41:2	107-2131	1	Decal-Surface, Hot
42	105-3619	2	Spacer
45	3256-22	2	Washer-Flat



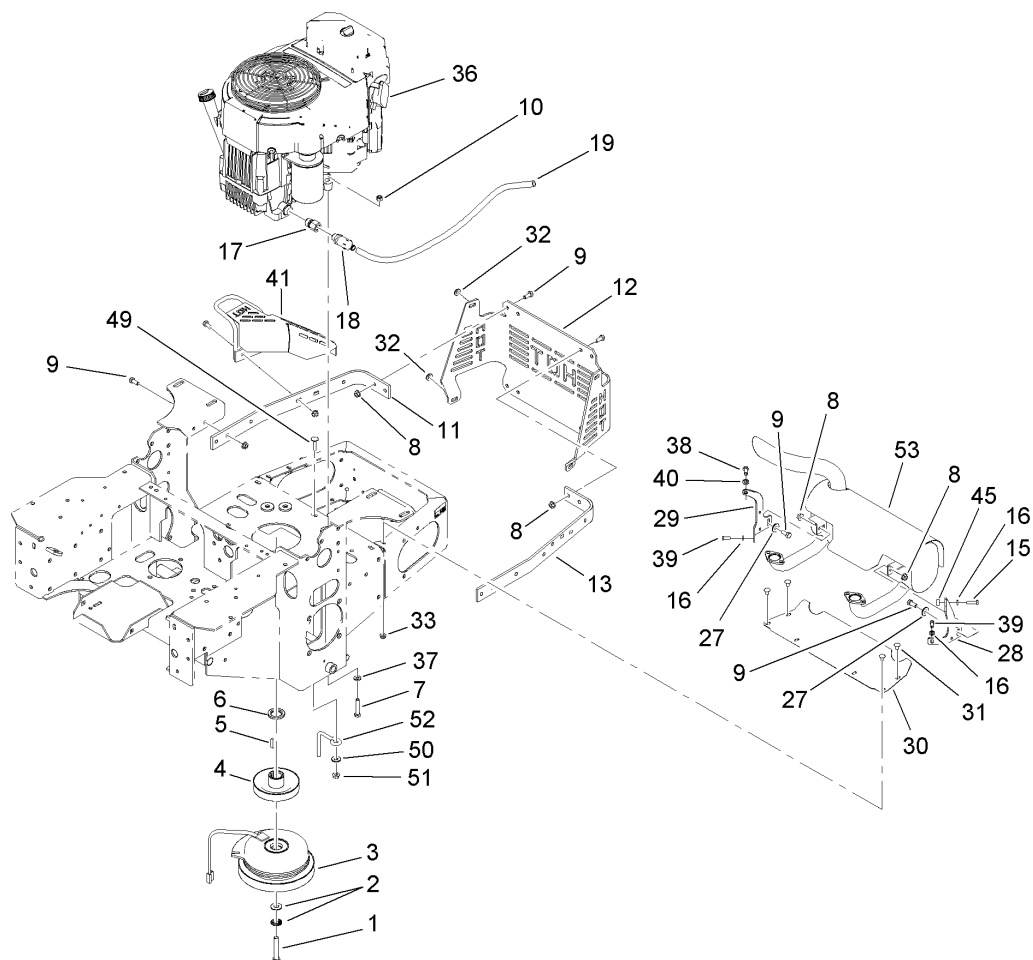
Hydraulic Pump Assembly No. 103-1942

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

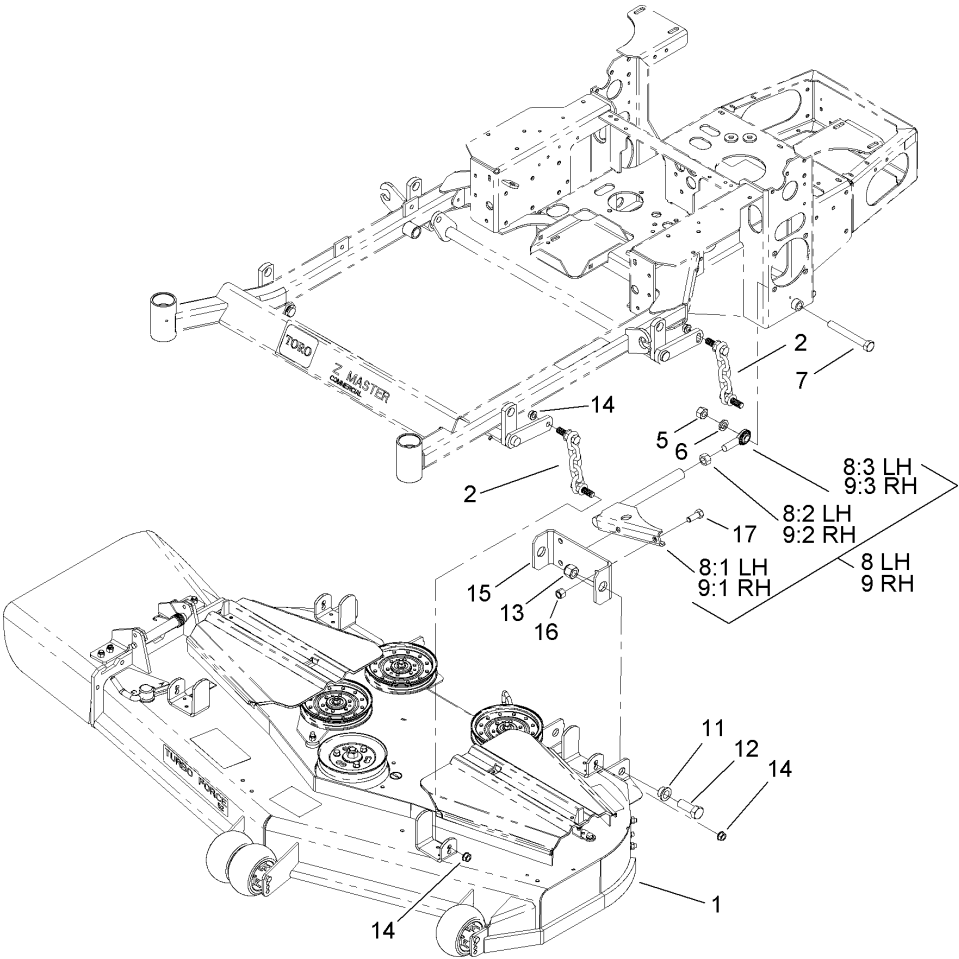
Ref	Part No.	Qty.	Description				
1	323-13	1	Screw-HH				
2	3256-4	1	Washer-Flat				
3	1-603044	1	Bushing				
4	302-40	1	Fitting-Grease				
5	3290-357	2	Nut-HHF, Whiz				
6	103-4480	1	Spring-Extension				
7	323-9	1	Screw-HH				
8	63-8410	1	Washer				
9	98-5975	1	Washer-Belleville				
10	3296-39	1	Nut-Lock,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

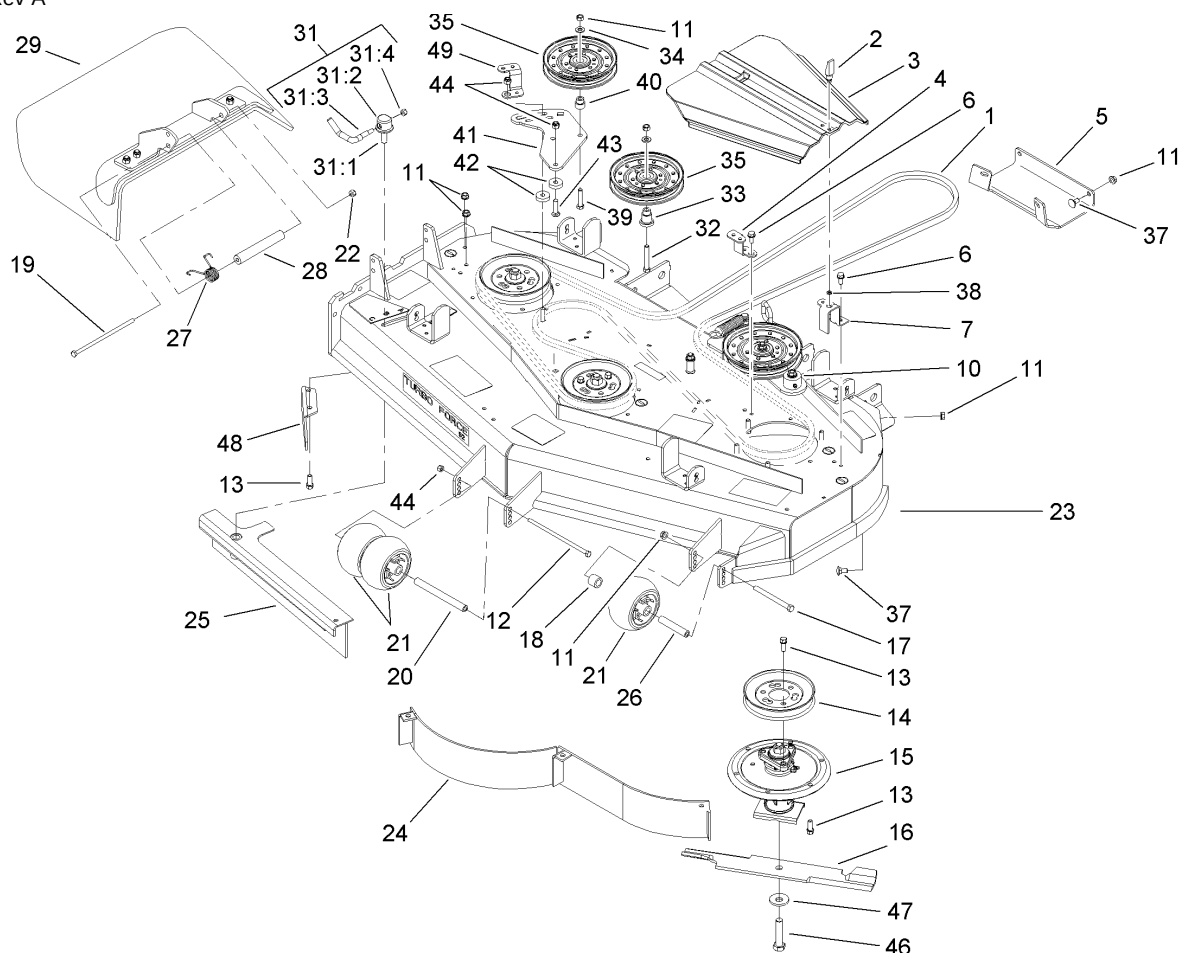
Ref	Part No.	Qty.	Description
1	3212-12	1	Screw-HH
2	1-603610	2	Washer-Spring
3	103-0690	1	Clutch
4	103-3913	1	Pulley
5	1-807259	1	Key
6	103-2308	1	Spacer-Crankshaft
7	322-9	4	Screw-HH
8	32128-20	29	Nut-HF
9	322-3	23	Screw-HH
10	3296-29	4	Nut-Lock, NI
11	103-3078-03	1	Strap-Guard, RH
12	103-3219-03	1	Guard-Rear
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	4	Washer-Flat

Ref	Part No.	Qty.	Description
33	32128-33	4	Nut-HF
36	32128-33	1	Engine-Kawasaki, FH680V-As21
37	1-303334	4	Washer-Spring
38	33114-020	1	Screw-HH
39	33113-016	2	Screw-HH
40	1-805005	1	Washer-Lock
41	103-3218-03	1	Guard-Tailpipe
45	103-3096	1	Spacer
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



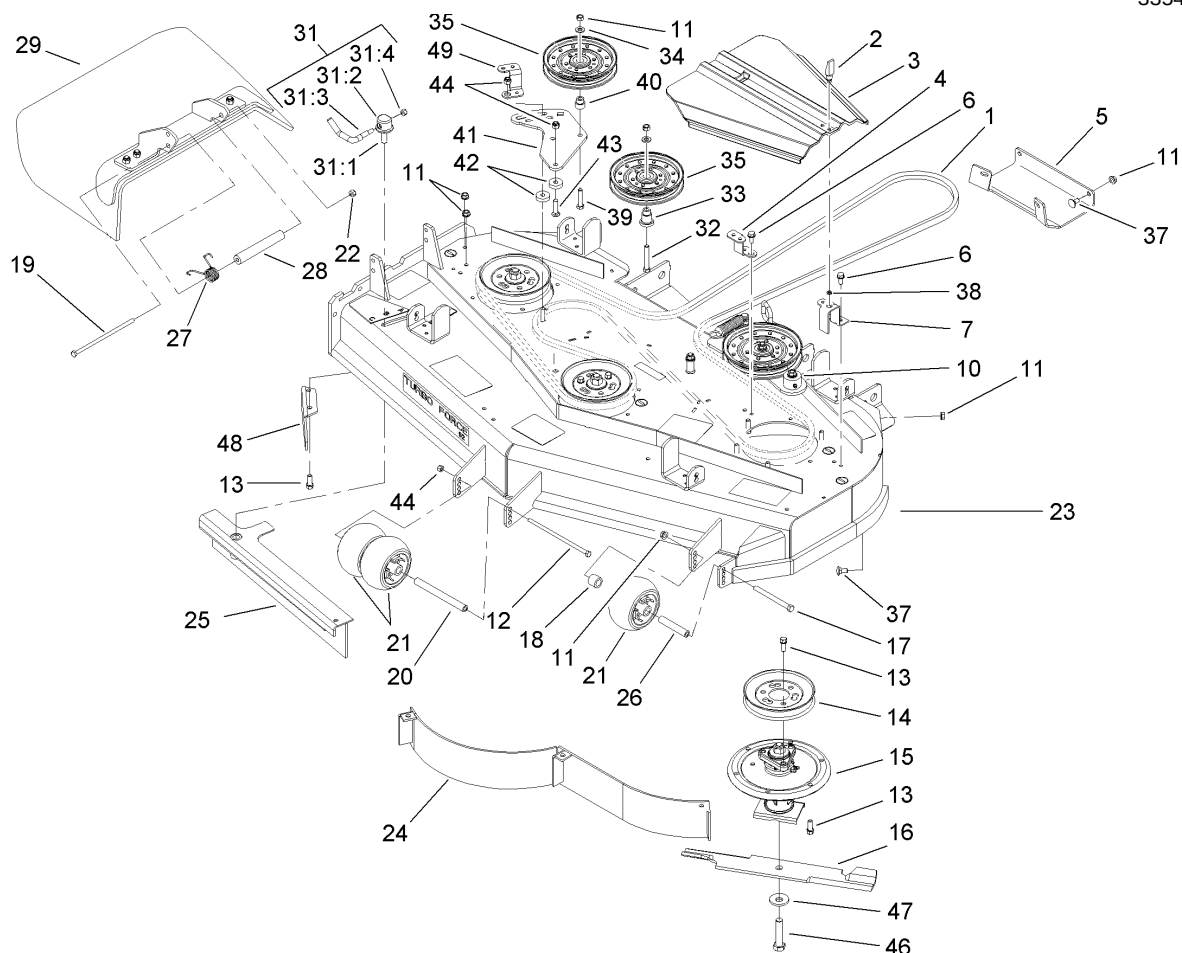
Deck Connection Assembly

Ref	Part No.	Qty.	Description				
1	107-1671	1	Turbo Force Deck ASM				
2	103-9792	4	Deck Chain ASM				
5	3217-11	2	Nut-Hex				
6	3253-8	2	Washer-Lock				
7	327-11	2	Screw-HH				
8	107-3150	1	LH Strut ASM				
8:1	107-3103-01	1	Strut-Compact				
8:2	3219-6	1	Nut-Hex				
8:3	1-633029	1	Balljoint-Spherical				
9	107-1659	1	RH Strut ASM				
9:1	107-3103-01	1	Strut-Compact				
9:2	1-633029	1	Balljoint-Spherical				
9:3	3219-6	1	Nut-Hex				
11	93-2877	4	Bushing				
12	328-24	4	Screw-HH				
13	3296-51	4	Nut-Lock, NI				
14	32128-37	8	Nut-HF				
15	107-3100-01	2	Base-Strut				
16	3296-23	4	Nut-Lock, NI				
17	325-5	4	Screw-HH				



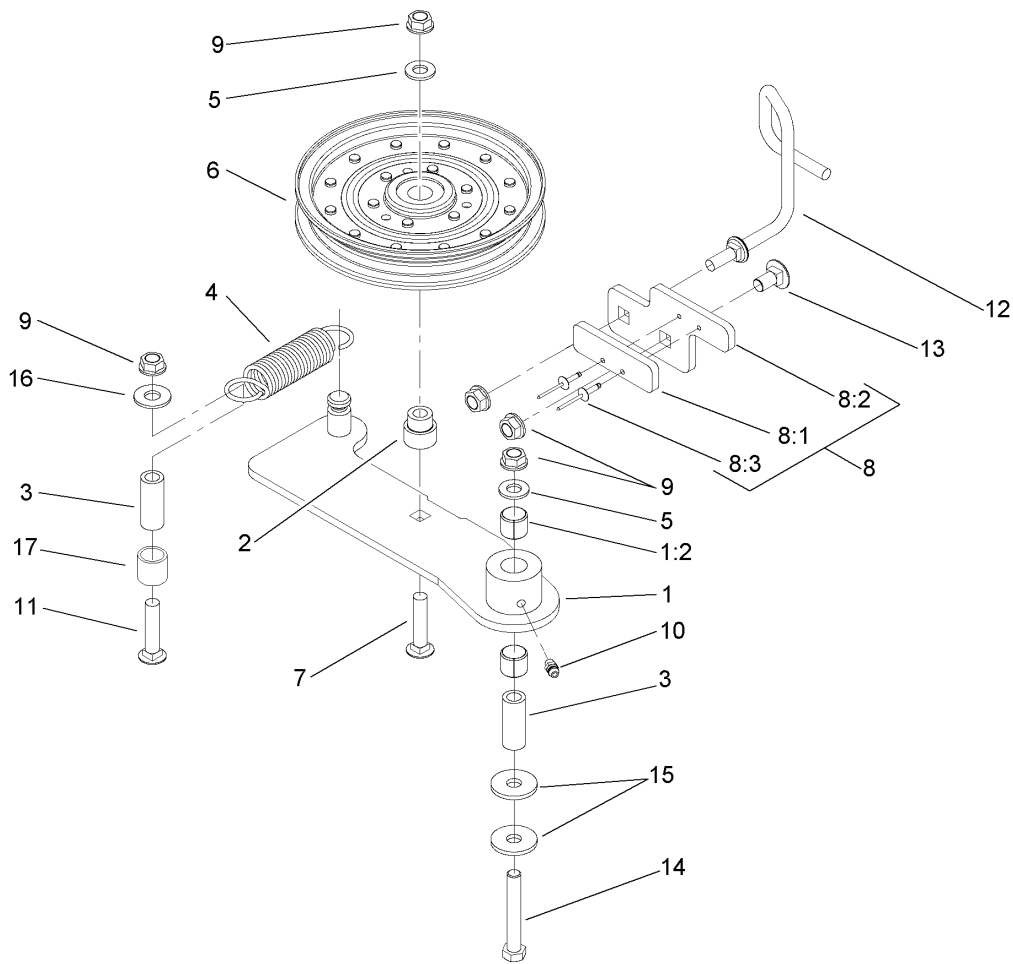
Deck Assembly No 107-1671

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-7369	1	Belt-V	27	108-4052	1	Spring-Torsion
2	74-5950	2	Latch-Swell	28	105-4622	1	Spacer
3	107-8536	2	Cover-Belt	29	108-2792	1	Rubber Deflector ASM
4	108-2177-01	1	Bracket-Cover, Tall	31	107-1664	1	Lever ASM
5	106-7358-01	1	Plate-Skid	31:1	106-3239	1	Screw-Lock
6	32144-70	6	Screw-HH	31:2	107-1644	1	Cap-Lock
7	108-4121-01	2	Bracket-Cover	31:3	106-3241	1	Lever-Lock
10		1	Spring Idler ASM	31:4	3296-29	1	Nut-Lock, NI
11	3290-357	36	Nut-HHF, Whiz	32	323-12	1	Screw-HH
12	323-28	1	Screw-HH	33	106-3214	1	Mount-Pulley
13	92-1624	33	Screw	34	3256-24	3	Washer-Flat
14	107-1683	3	Pulley	35	1-633109	2	Idler-Flat
15	107-8504	3	Spindle ASM	37	3231-1	10	Screw-CARR
16	105-7781-03	3	Blade-Hi Flow	38	99-3058	2	Washer
17	323-23	1	Screw-HH	39	323-9	1	Screw-HH
18	98-7913	1	Tube-Spacer	40	1-603496	1	Bushing-Idler
19	322-50	1	Screw-HH	41	107-8516-01	1	Plate-Idler
20	98-5967	1	Spacer-Wheel	42	105-7788	2	Spacer
21	1-603299	3	Roller-Scalp, Anti	43	3231-4	2	Screw-CARR
22	3296-29	1	Nut-Lock, NI	44	3296-39	4	Nut-Lock, NI
23	107-1668	1	Deck ASM, With Decals	46	103-0862	3	Screw-Cap
24	105-7754-01	1	Baffle ASM	47	103-0865	3	Washer-Blade Bolt, Heavy
25	105-7755-01	1	Baffle ASM	48	106-3216-01	1	Baffle-Discharge
26	98-7912	1	Tube-Spanner	49	108-2178-01	1	Bracket-Cover, Short



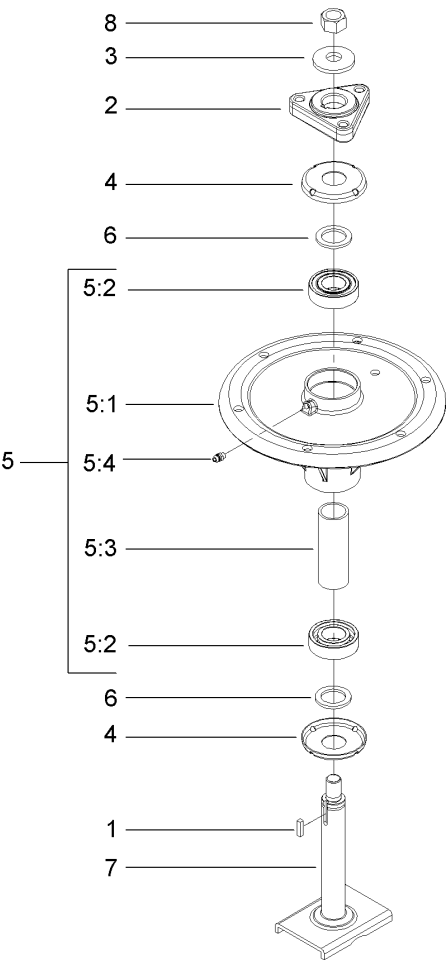
Deck Assembly No 107-1671 (continued)

Ref	Part No.	Qty.	Description
1499	105-7796-03	3	Blade-Atomic
1499	105-7795-03	3	Blade-Low Flow
1499	105-7794-03	3	Blade-Med Flow
1499	105-7779-03	3	Blade-Recycler



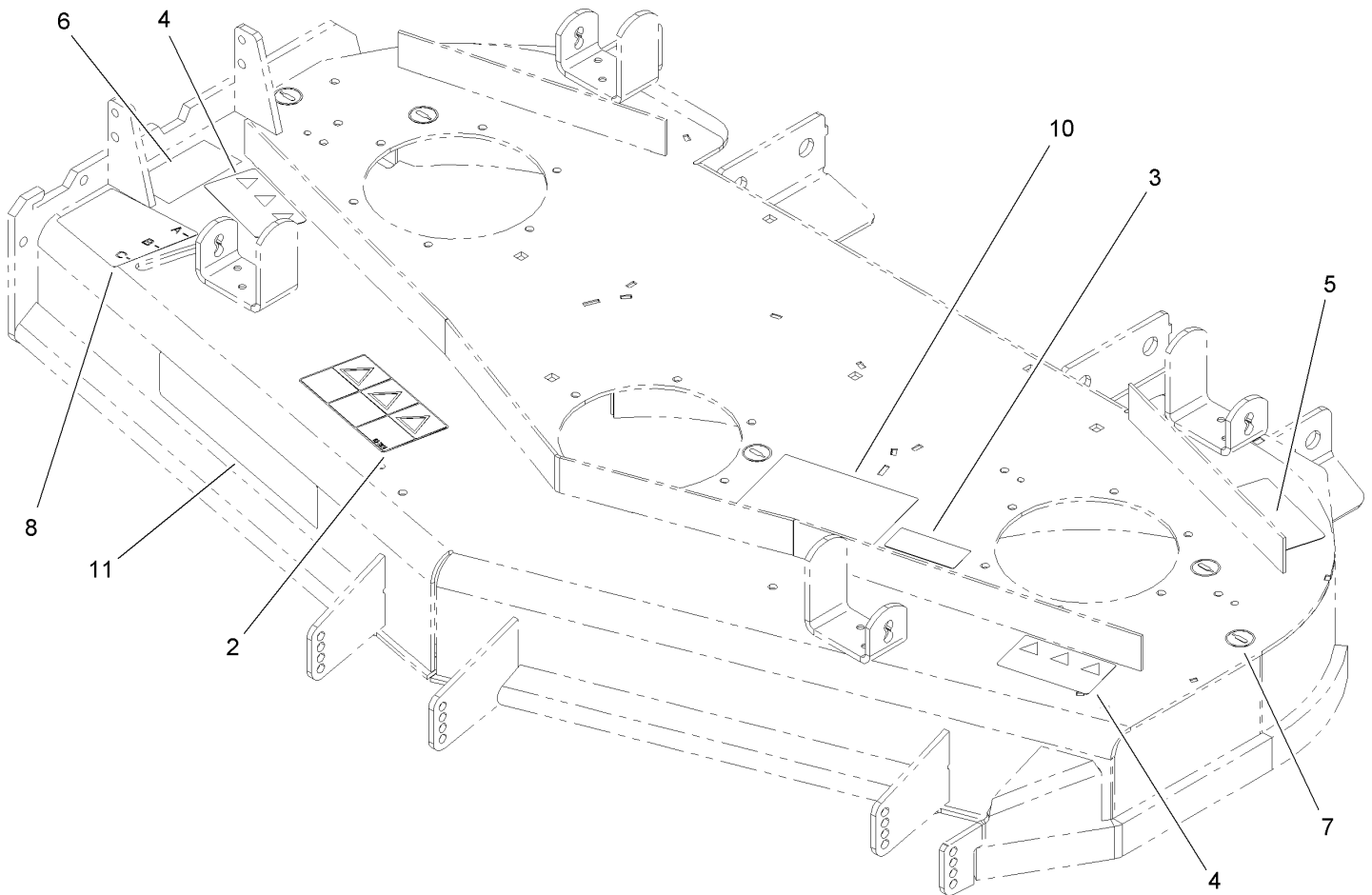
Idler Assembly

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				
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				



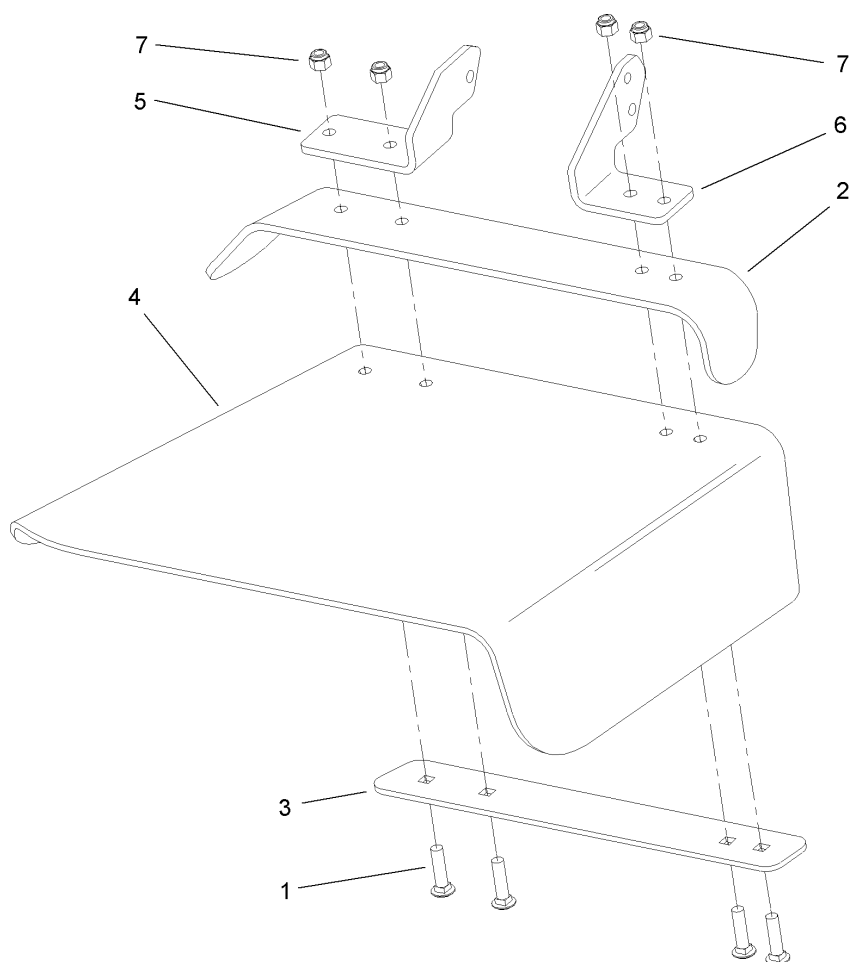
Spindle Assembly No. 107-8504

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				
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				



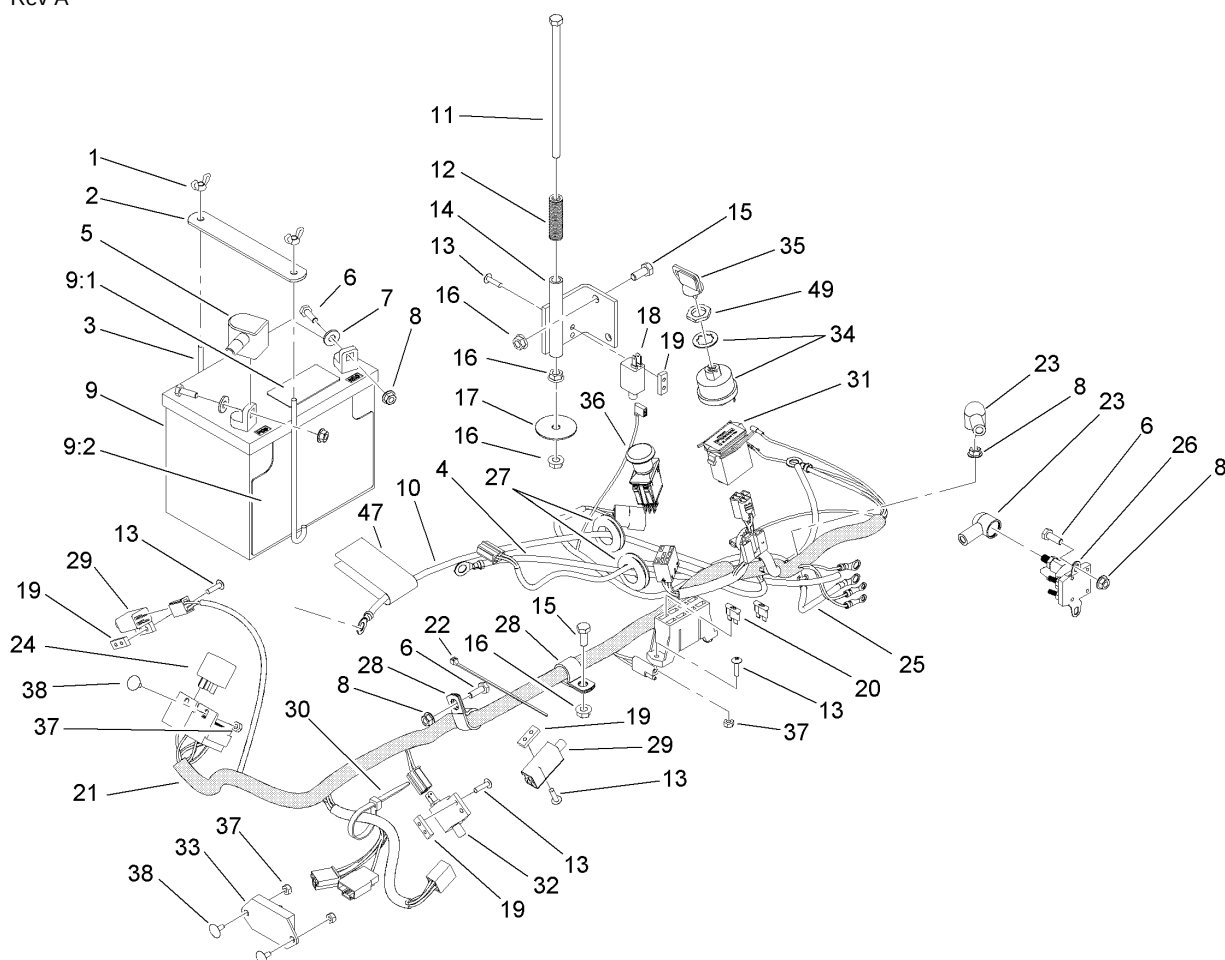
Deck Decal Assembly No. 107-1668

Ref	Part No.	Qty.	Description				
2	93-7824	1	Decal-Danger				
3	98-1977	1	Decal-Warning				
4	93-7010	2	Decal-Danger				
5	93-7818	1	Decal-Torque, Blade Bolt				
6	99-8939	1	Decal-Anti Scalp				
7	58-6520	5	Decal-Grease				
8	107-3993	1	Decal-Adjustment, Baffle				
10	107-1686	1	Decal-Service Aid				
11	107-1618	1	Decal				



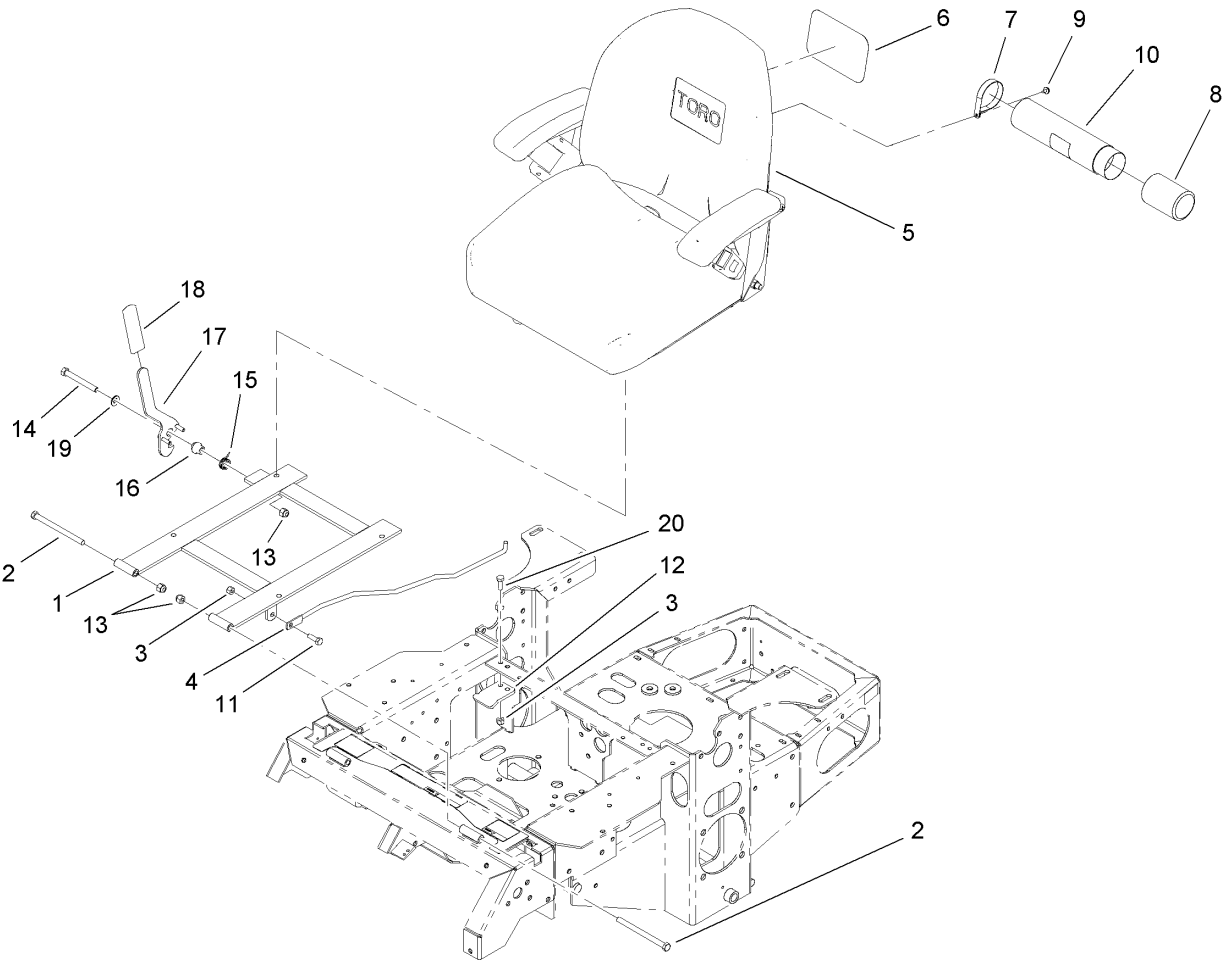
Rubber Deflector Assembly No. 108-2792

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				



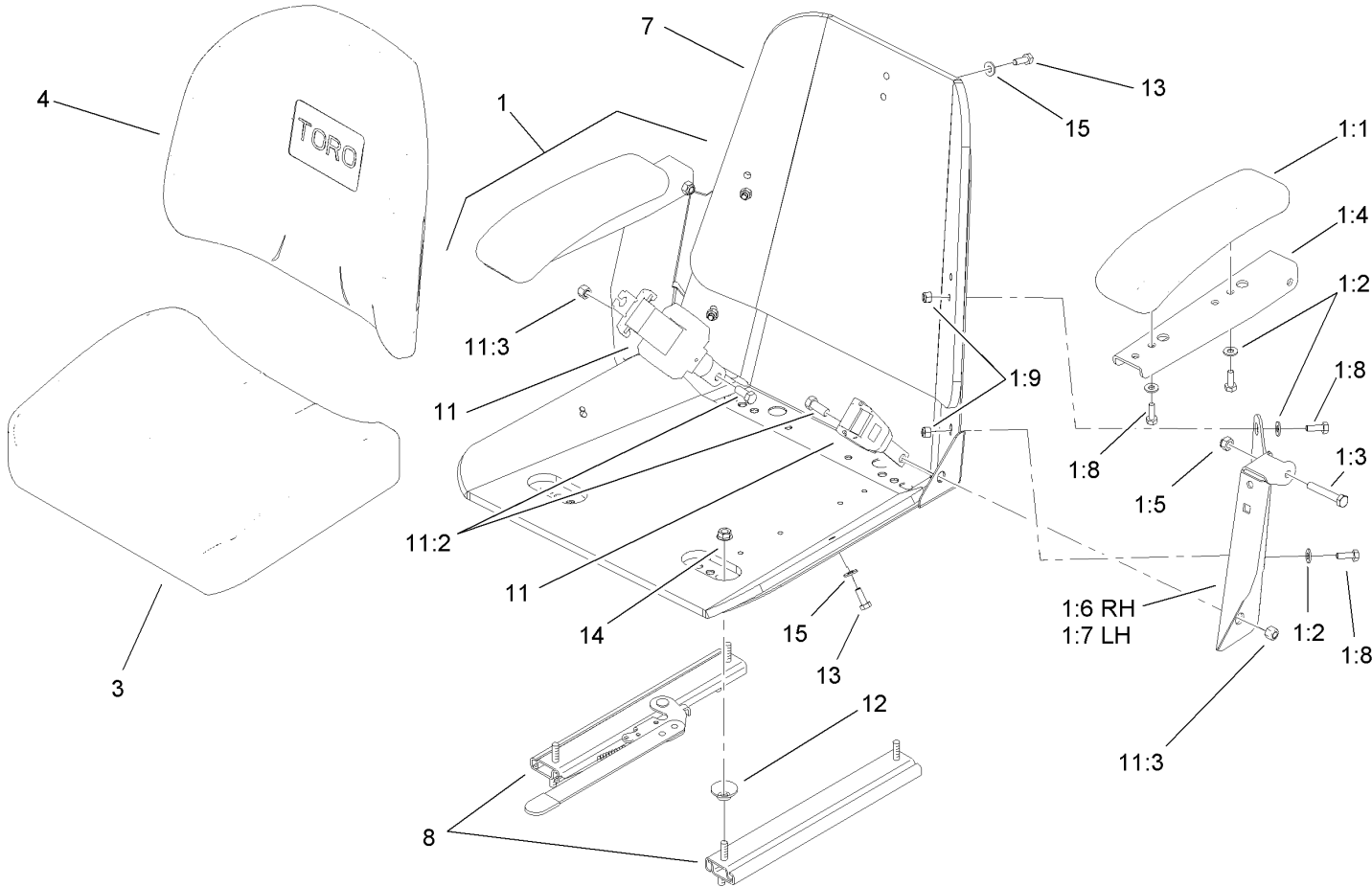
Electrical System Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	1-543792	2	Wingnut	23	1-543393	3	Insulator-Solenoid
2	107-9277-03	1	Strap-Holddown, Battery	24	1-643275	2	Relay
3	1-633651	2	Bolt-Holddown	25	1-633306	1	Wire-Starter
4	103-0705	1	Cable-Ground, Negative	26	1-513075	1	Switch-Solenoid
5	1-543391	1	Insulator-Battery	27	1-543286	2	Grommet
6	321-4	5	Screw-HH	28	1-633396	2	Clip-Loom
7	3256-2	2	Washer-Flat	29	1-513051	2	Switch-Open, Normally
8	32128-33	6	Nut-HF	30	1-303335	4	Tie-Plastic
9	105-1692	1	Battery	31	1-513374	1	Meter-Hour
9:1	104-4163	1	Decal-Battery	32	1-633111	1	Switch
9:2	104-4164	1	Decal-Battery	33	100-6186	1	Module-Delay, Seat
10	103-0707	1	Cable-Battery, Positive	34	103-0206	1	Switch-Starting, Key
11	1-800282	1	Screw-HH	35	63-8360	2	Key-Ignition
12	1-523415	1	Spring-Switch, Seat	36	103-5221	1	Switch-PTO
13	1-803075	10	Screw-Head, Truss	37	3296-2	6	Nut-Lock
14	1-652072-03	1	Bracket-Switch, Seat	38	1-807513	4	Bolt-CARR
15	322-3	3	Screw-HH	47	107-9309	1	Decal-Instructions, Charging
16	32128-20	5	Nut-HF	49	103-0498	1	Nut-Switch, Ignition
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				



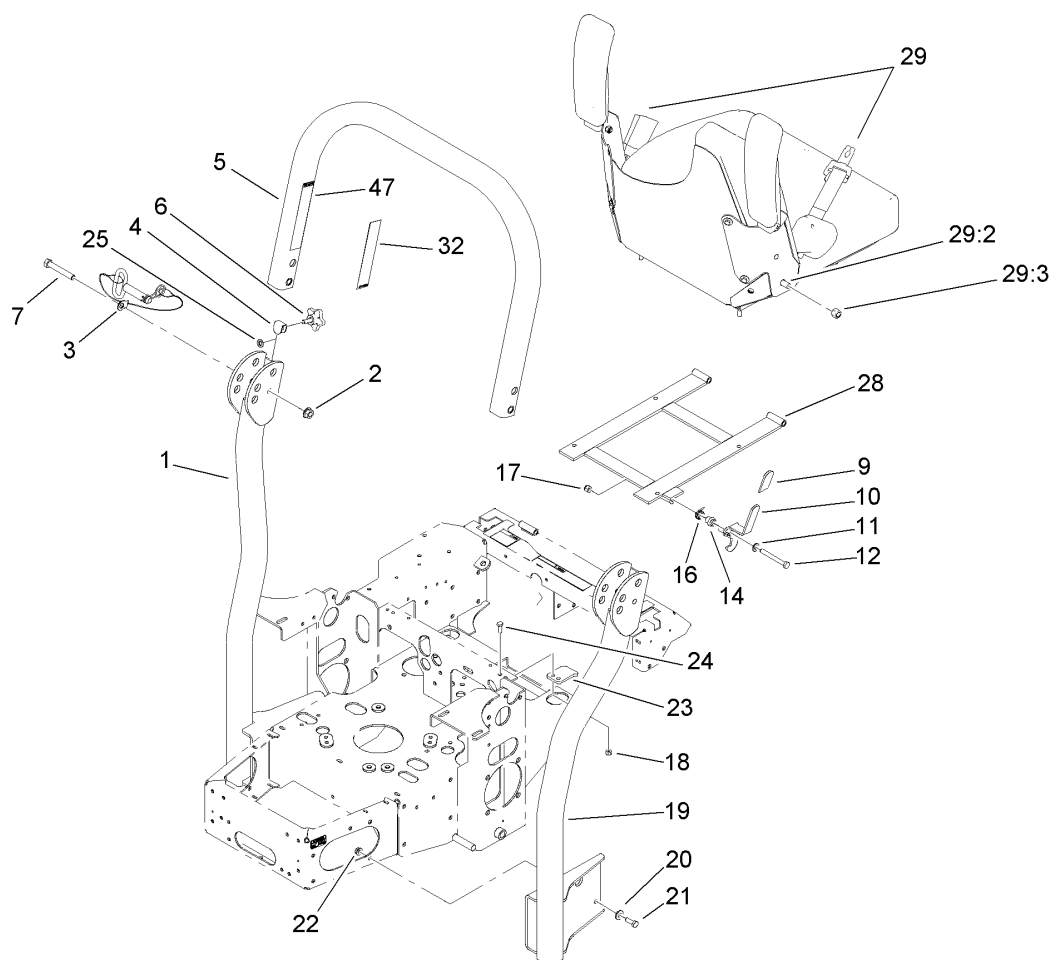
Seat and Bracket Assembly

Ref	Part No.	Qty.	Description				
1	107-3052-03	1	Seat Support Frame ASM				
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	3	Nut-Lock, NI				
14	323-20	1	Screw-HH				
15	107-0076	1	Spring-Torsion				
16	107-0075	1	Bushing-Latch, Seat				
17	107-3083	1	Latch ASM				
18	103-4434	1	Grip-Lever				
19	3256-24	1	Washer-Flat				
20	322-4	2	Screw-HH				



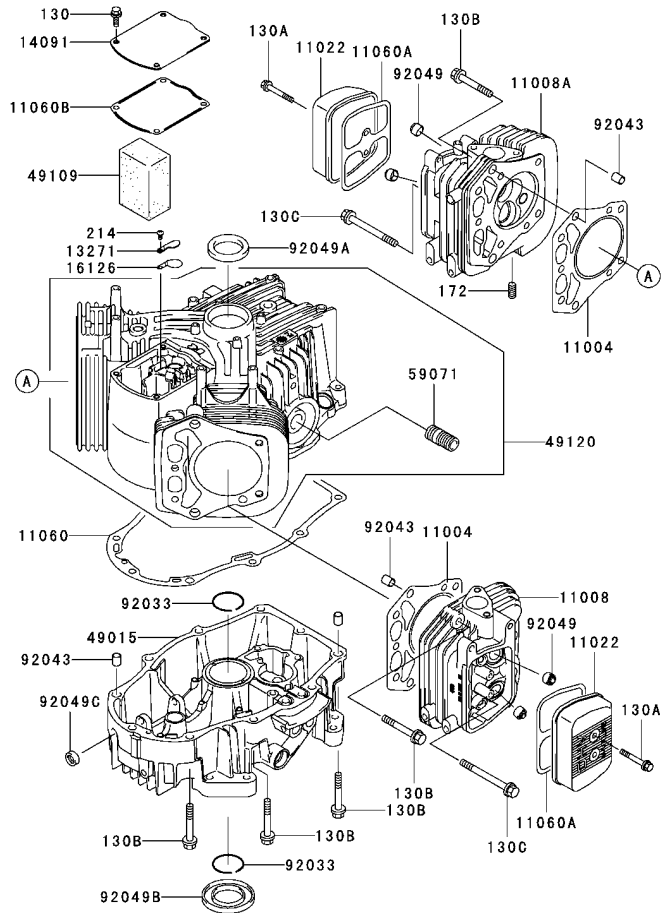
Seat Assembly No. 110-0446

Ref	Part No.	Qty.	Description				
1	110-5719	1	Armrest Kit				
1:1	110-4163	2	Cushion-Arm Rest				
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				
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				



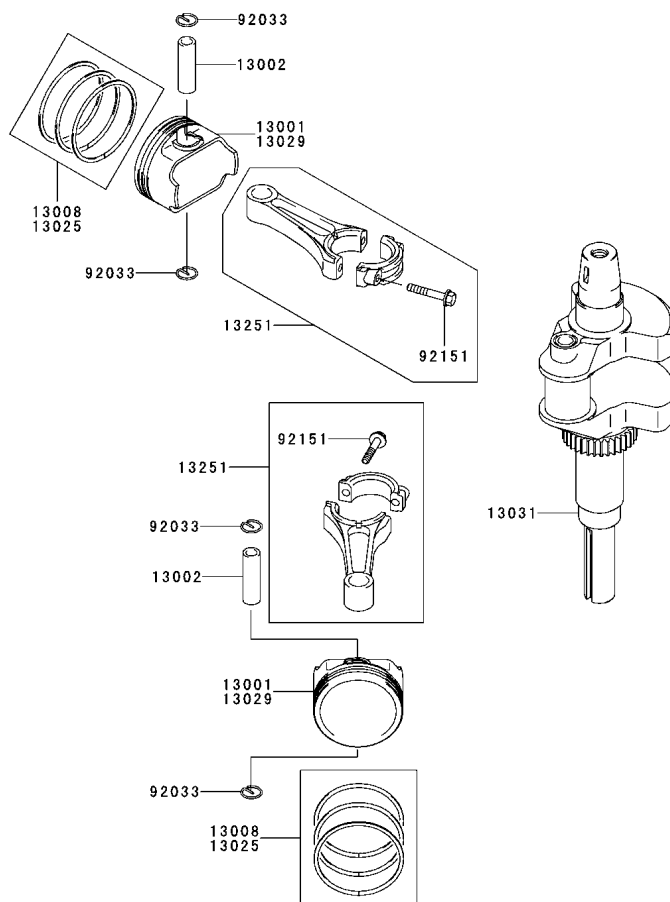
Roll-Over-Protection-System Assembly No. 107-8093

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
② 1		1	LH Tube Support ASM	29:2	3212-4	2	Screw-HH
2	32128-23	2	Nut-HF	29:3	3296-7	2	Nut-Lock
3	103-4553	2	ROPS Fold Pin ASM	32	107-3069	1	Decal-Warning, Folding ROPS (Ce)
4	107-3124	2	Clip	47	107-2102	1	Decal-Warning, Folding ROPS
② 5		1	Upper Tube ASM				
6	106-0887	2	Knob				
7	325-13	2	Screw-HH				
9	103-4434	1	Grip-Lever				
10	107-3083	1	Latch ASM				
11	3256-24	1	Washer-Flat				
12	323-20	1	Screw-HH				
14	107-0075	1	Bushing-Latch, Seat				
16	107-0076	1	Spring-Torsion				
17	3296-39	1	Nut-Lock, NI				
18	3296-29	2	Nut-Lock, NI				
② 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	107-3154	2	Nut-Push				
28	107-3052-03	1	Seat Support Frame ASM				
29	110-0883	1	Retractable Seatbelt Kit				



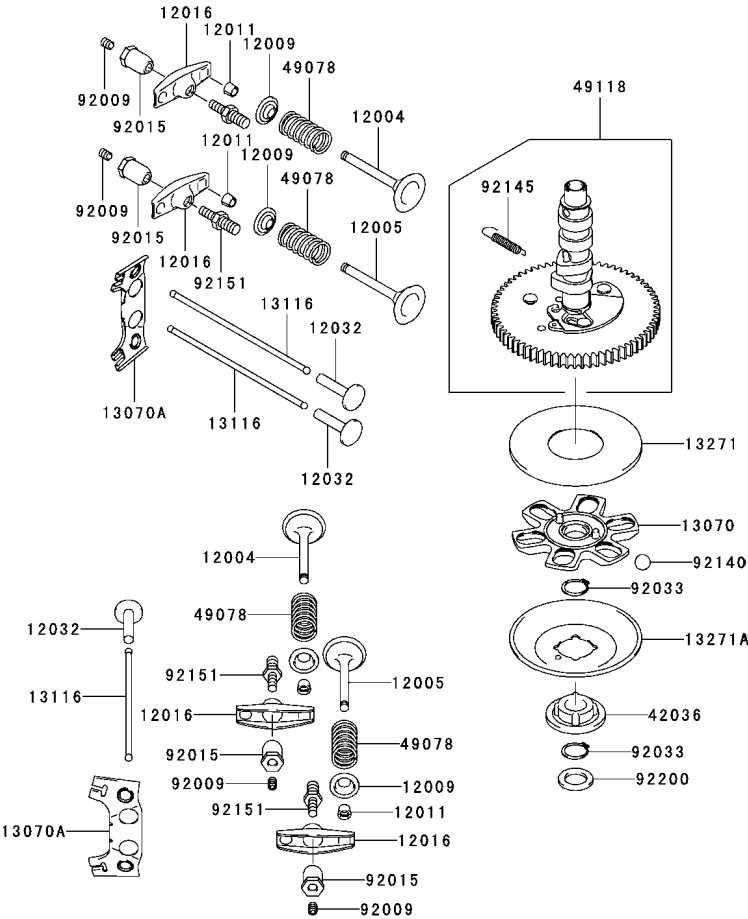
Cylinder / Crankcase Assembly
Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶11004	11004-7006	2	Gasket-Head	❶172	172G0818	4	Bolt-Stud
❶11008	11008-7012	1	Head-Comp-Cylinder No. 2	❶214	214B0408	1	Screw-Pan
❶11008A	11008-7013	1	Head-Comp-Cylinder No. 1				
❶11022	11022-7002	2	Case-Rocker				
❶11060	11060-7012	1	Gasket, Crankcase Cover				
❶11060A	11060-7013	2	Gasket-Case, Rocker				
❶11060B	11060-7014	1	Gasket-Breather				
❶13271	13271-7006	1	Plate				
❶14091	14091-7004	1	Cover				
❶16126	16126-7001	1	Valve				
❶49015	49015-6225	1	Cover-Crankcase				
❶49109	49109-7003	1	Element-Breather				
❶49120	49120-7019	1	Crankcase-Comp				
❶59071	59071-2079	1	Joint				
❶92033	92033-7004	2	Ring-Snap				
❶92043	92043-7001	6	Pin				
❶92049	92049-7001	4	Seal-Oil, Rvc2 (6X11X10.2)				
❶92049A	92049-7002	1	Seal-Oil				
❶92049B	92049-7004	1	Seal-Oil				
❶92049C	92049-7005	1	Seal-Oil, So (8X14X5 Hs)				
❶130	130B0612	4	Bolt-Flanged				
❶130A	130B0640	4	Bolt-Flanged				
❶130B	130T0850	18	Bolt-Flanged				
❶130C	130T0875	2	Bolt-Flanged				



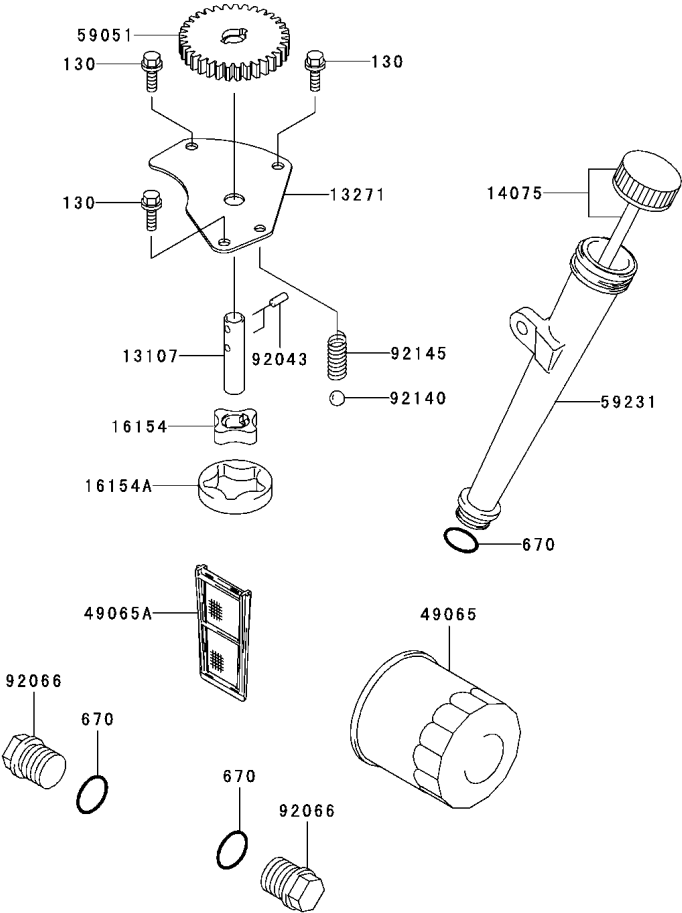
Piston / Crankshaft Assembly Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
⑨13001	13001-7007	2	Piston-Engine				
⑨13002	13002-7001	2	Pin-Piston				
⑨13008	13008-6058	2	Ring Set-Piston				
⑨13025	13025-7002	0	Ring-Set, Piston (L,0.50)				
⑨13029	13029-7003	0	Piston-Engine (L,0.50)				
⑨13031	13031-7023	1	Crankshaft-Comp				
⑨13251	13251-7005	2	Connecting Rod ASM				
⑨92033	92033-7005	4	Ring-Snap				
⑨92151	92151-7017	4	Bolt (6X35)				



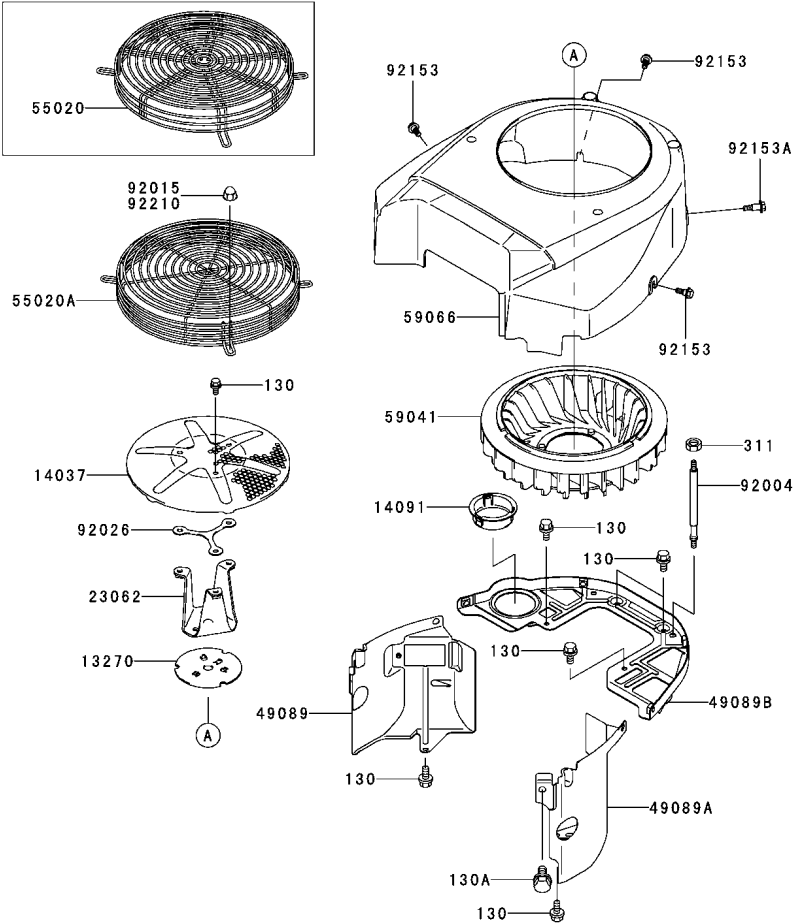
Valve / Camshaft Assembly
Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
❶12004	12004-7002	2	Valve-Intake				
❶12005	12005-7002	2	Valve-Exhaust				
❶12009	12009-7001	4	Retainer-Spring, Valve				
❶12011	12011-2056	8	Collet				
❶12016	12016-7006	4	Arm-Rocker				
❶12032	12032-7001	4	Tappet				
❶13070	13070-7004	1	Guide				
❶13070A	13070-7007	2	Guide				
❶13116	13116-7002	4	Rod-Push				
❶13271	13270-7007	1	Plate				
❶13271A	13271-7021	1	Plate-Governor				
❶42036	42036-7001	1	Sleeve				
❶49078	49078-7002	4	Spring-Valve, Engine				
❶49118	49118-7007	1	Camshaft				
❶92009	92009-2341	4	Screw				
❶92015	92015-2253	4	Nut				
❶92033	92033-7001	2	Ring-Snap				
❶92140	92140-7002	6	Ball				
❶92145	92145-7001	1	Spring				
❶92151	92151-7019	4	Bolt				
❶92200	92200-7001	1	Washer				



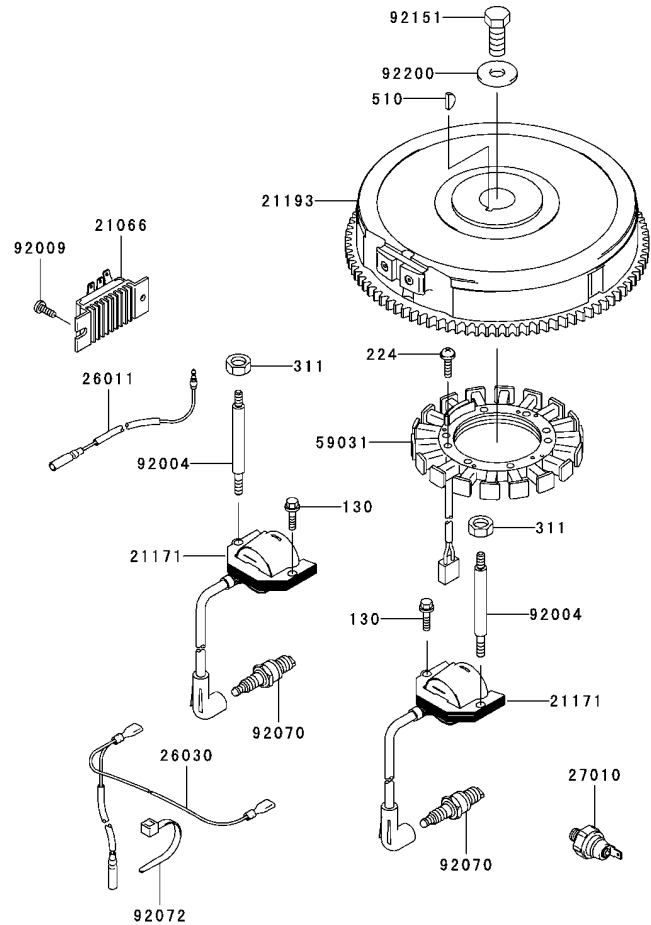
Lubrication Equipment Assembly
Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
③13107	13107-7009	1	Shaft				
③13271	13271-7005	1	Plate				
③14075	14075-7008	1	Cap-Assy				
③16154	16154-2053	1	Rotor-Pump (In)				
③16154A	16154-2054	1	Rotor-Pump (Out)				
③49065	49065-2078	1	Filter-Oil				
③49065A	49065-7003	1	Filter-Oil				
③59051	59051-7011	1	Gear-Spur				
③59231	59231-7002	1	Filler				
③92043	92043-7006	2	Pin				
③92066	92066-7003	2	Plug				
③92140	92140-7003	1	Ball				
③92145	92145-7002	1	Spring				
③130	130B0612	3	Bolt-Flanged				
③670	670D2016	3	O-Ring (16Mm)				



Cooling Equipment Assembly
Kawasaki FH680V-AS21

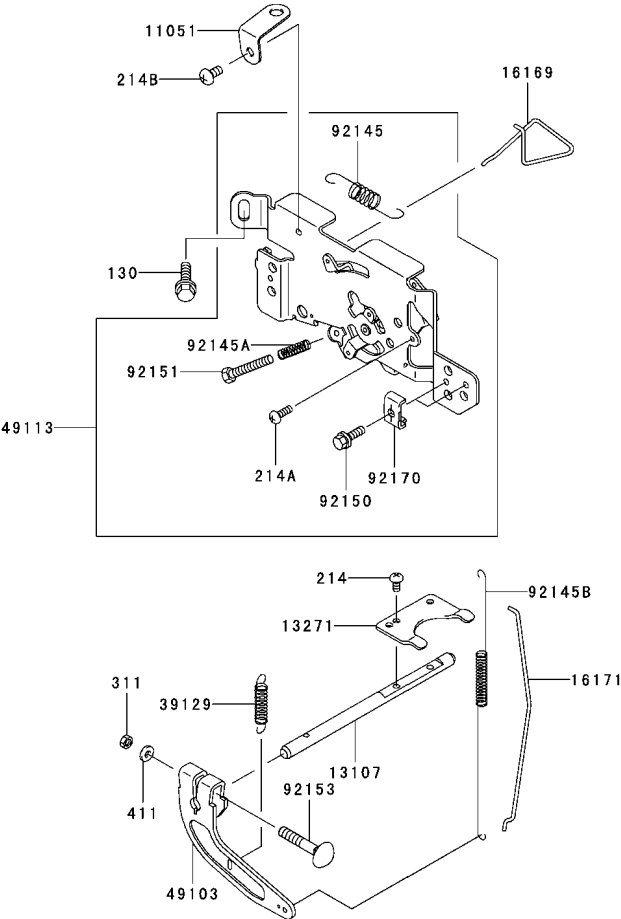
Ref	Part No.	Qty.	Description				
❸13270	13270-7007	1	Plate				
❸14037	14037-7008-9H	1	Screen				
❸14091	14091-7002	1	Cover				
❸23062	23062-7005	1	Bracket-Comp				
❸49089	49089-7004	1	Shroud-Engine				
❸49089A	49089-7005	1	Shroud-Engine				
❸49089B	49089-7030	1	Shroud-Engine				
❸55020	55020-7002	1	Guard				
❸55020A	55020-7007	1	Guard				
❸59041	59041-7003	1	Fan				
❸59066	59066-7004	1	Housing-Fan				
❸92004	92004-7006	2	Stud				
❸92015	92015-1170	4	Nut				
❸92026	92026-7007	0	Spacer				
❸92153	92153-7007	3	Bolt				
❸92153A	92153-7008	1	Bolt				
❸92210	92210-0003	4	Nut				
❸130	130B0612	9	Bolt-Flanged				
❸130A	130B0816	1	Bolt-Flanged				
❸311	311B0600	2	Nut-Hex				



Electric Equipment Assembly

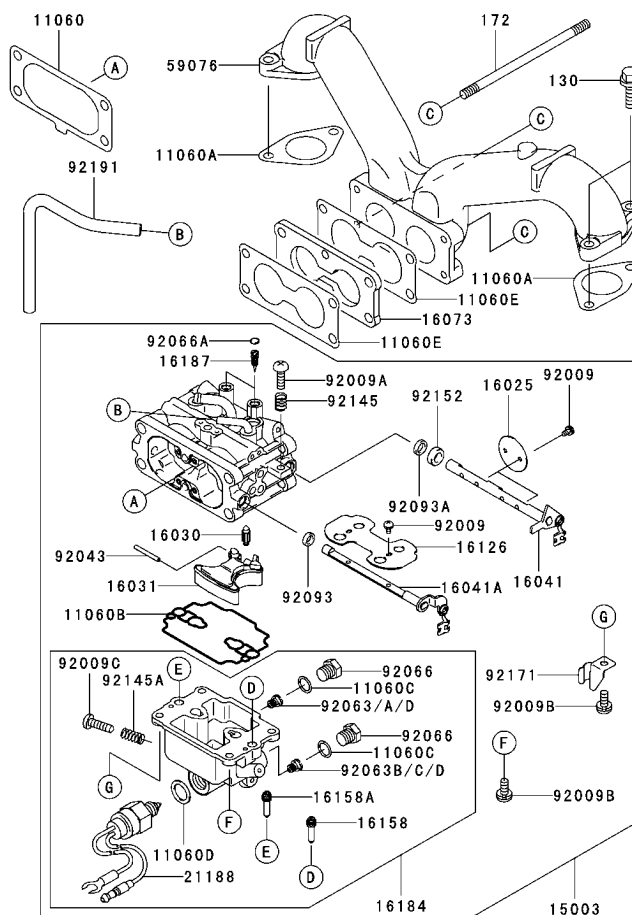
Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
❶21066	21066-7006	1	Regulator-Voltage				
❶21171	21171-7007	2	Coil-ASM-Ignition				
❶21193	21193-7019	1	Flywheel-Assy				
❶26011	26011-7008	1	Wire-Lead				
❶26030	26030-7002	1	Harness				
❶27010	27010-7001	1	Switch				
❶59031	59031-7001	1	Coil-Charging				
❶92004	92004-7009	2	Stud				
❶92009	92009-2308	1	Screw				
❶92070	92070-7004	2	Plug-Spark,Bpr4Es(Ngk), Solid				
❶92072	92072-7003	2	Band				
❶92151	92151-2097	1	Bolt (12X30)				
❶92200	92200-7002	1	Washer				
❶130	130B0620	2	Bolt-Flanged				
❶224	224B0520	4	Screw-Pan				
❶311	311B0600	2	Nut-Hex				
❶510	510A5100	1	Key-Woodruff				



Control Equipment Assembly
Kawasaki FH680V-AS21

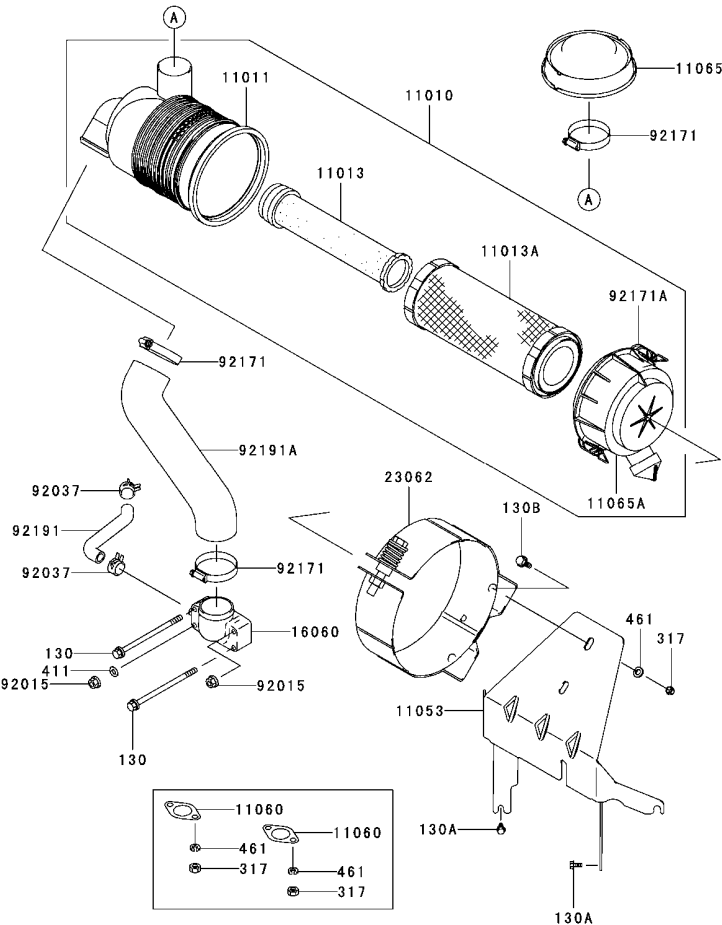
Ref	Part No.	Qty.	Description				
❶11051	11051-7008	1	Bracket				
❶13107	13107-7013	1	Shaft				
❶13271	13271-7018	1	Plate				
❶16169	16169-7006	1	Link-Choke				
❶16171	16171-7004	1	Link				
❶39129	39129-7004	1	Spring-Governor				
❶49103	49103-7004	1	Arm-Governor				
❶49113	49113-7017	1	Panel-Comp-Control				
❶92145	92145-7004	1	Spring				
❶92145A	92145-7005	1	Spring				
❶92145B	92145-7009	1	Spring				
❶92150	92150-2182	2	Bolt (5X18)				
❶92151	92151-7014	1	Bolt (5X30)				
❶92153	92153-7005	1	Bolt (6X35)				
❶92170	92170-7001	2	Clamp				
❶130	130B0612	2	Bolt-Flanged				
❶214	214B0408	2	Screw-Pan				
❶214A	214B0412	1	Screw-Pan				
❶214B	214B0510	1	Screw-Pan				
❶311	311B0600	1	Nut-Hex				
❶411	411b0600	1	Washer-Plain				



Carburetor Assembly Kawasaki FH680V-AS21

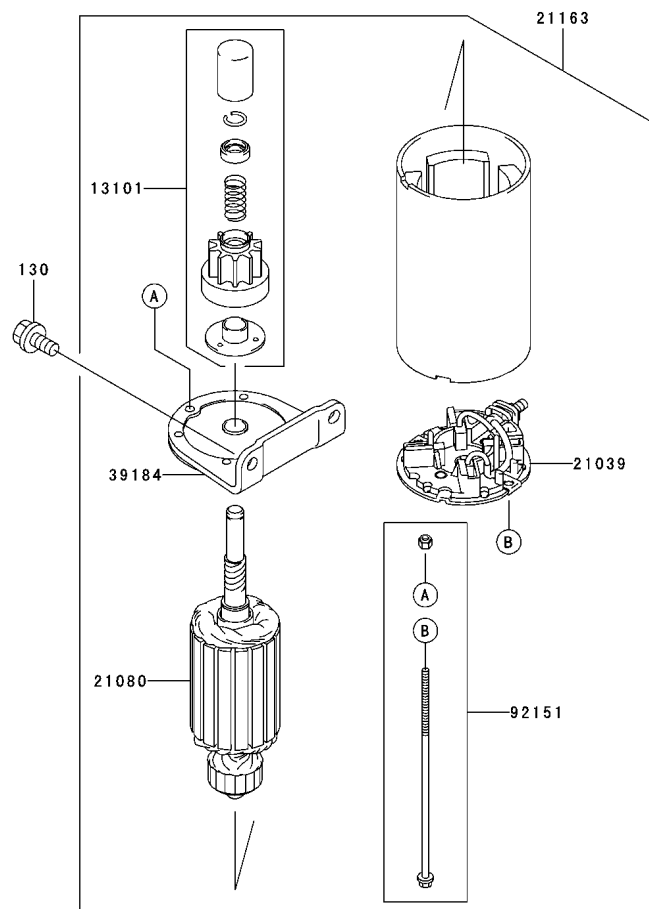
Ref	Part No.	Qty.	Description
⑤11060	11060-7009	1	Gasket, Air Filter
⑤11060A	11060-7011	2	Gasket
⑤11060B	11060-7018	1	Gasket-Chamber, Float
⑤11060C	11060-7019	2	Gasket-Plug, Main
⑤11060D	11060-7020	1	Gasket-Solenoid
⑤11060E	11060-7024	2	Gasket-Carburetor
⑤15003	15003-7073	1	Carburetor-Assy
⑤16025	16025-7003	2	Valve-Throttle
⑤16030	16030-7002	1	Valve-Float
⑤16031	16031-7001	1	Float
⑤16041	16041-7004	1	Shaft-Carburetor Throttle
⑤16041A	16041-7007	1	Shaft-Carburetor, Choke
⑤16073	16073-7005	1	Insulator
⑤16126	16126-7004	1	Valve-Choke
⑤16158	16158-7007	1	Jet-Slow, No.56
⑤16158A	16158-7008	1	Jet-Slow, No.42
⑤16184	16184-7010	1	Chamber-Assy-Float
⑤16187	16187-7002	2	Needle-Jet
⑤21188	21188-7001	1	Solenoid
⑤59076	59076-7002	1	Manifold-Intake
⑤92009	92009-7003	6	Screw
⑤92009A	92009-7004	1	Screw
⑤92009B	92009-7005	4	Screw
⑤92009C	92009-7006	1	Screw-Drain

Ref	Part No.	Qty.	Description
92043	92043-7004	1	Pin-Float
92063	92063-7017	1	Jet-Main, No.133
92063A	92063-7018	1	Jet-Main, No.130
92063B	92063-7019	1	Jet-Main, No.139
92063C	92063-7020	1	Jet-Main, No.134
92063D	92063-7038	2	Jet-Main, No.114
92066	92066-7008	2	Plug-Jet, Main
92066A	92066-7009	2	Plug, Extension
92093	92093-7001	1	Seal
92093A	92093-7002	1	Seal
92145	92145-7010	1	Spring
92145A	92145-7011	1	Spring
92152	92152-7001	1	Collar
92171	92171-7001	1	Clamp
92191	92191-7023	1	Tube
130	130B0620	4	Bolt-Flanged
172	172G06105	2	Bolt-Stud



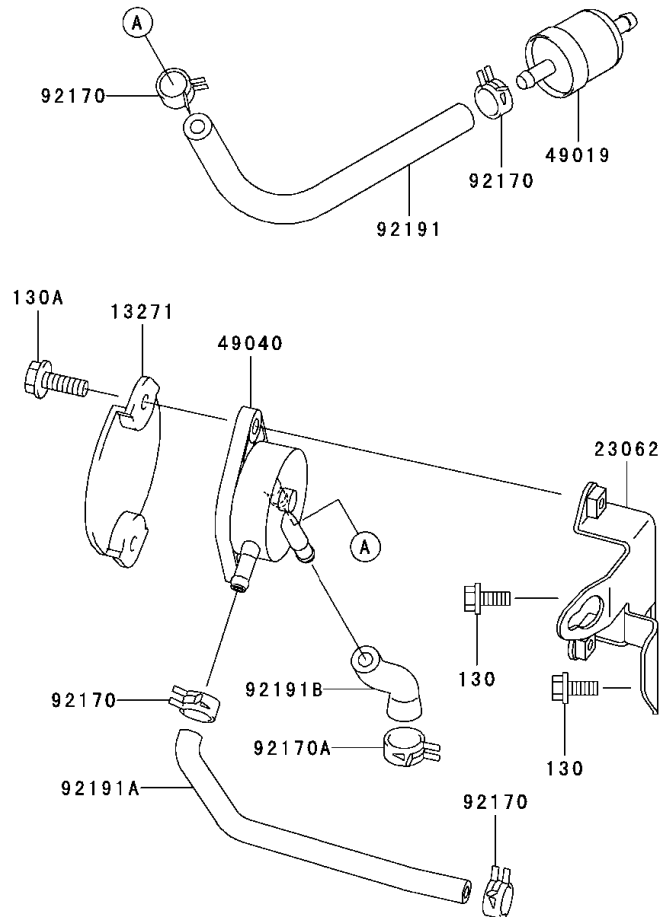
Air Filter and Muffler Assembly
Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
❶11010	11010-7004	1	Filter-Assy-Air				
❶11011	11011-7014	1	Case-Air Filter				
❶11013	11013-7019	1	Element-Air Filter				
❶11013A	11013-7020	1	Element-Air Filter				
❶11060	11060-7016	2	Gasket-Muffler				
❶11065	11065-7006	1	Cap				
❶11065A	11065-7008	1	Cap				
❶16060	16060-7005	1	Pipe-Intake				
❶92015	92015-1193	2	Nut				
❶92037	92037-2079	2	Clamp				
❶92171	92171-7007	3	Clamp				
❶92171A	92171-7009	2	Clamp				
❶92191	92191-7006	1	Tube				
❶92191A	92191-7028	1	Tube				
❶130	130B06105	2	Bolt-Flanged				
❶130A	130B0612	2	Bolt-Flanged				
❶130B	130B0816	2	Bolt-Flanged				
❶317	317R0800	6	Nut-Hex				
❶411	411b0600	1	Washer-Plain				
❶461	461F0800	6	Washer-Spring				



Starter Assembly Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
③13101	13101-7001	1	Gear ASM				
③21039	21039-7001	1	Brush				
③21080	21080-7001	1	Armature				
③21163	21163-7001	1	Starter-Electric				
③39184	39184-7001	1	Bracket ASM				
③92151	92151-7013	1	Bolt				
③130	130B0816	2	Bolt-Flanged				



Fuel Tank / Fuel Valve Assembly

Kawasaki FH680V-AS21

Ref	Part No.	Qty.	Description				
③13271	13271-7004	1	Plate				
③23062	23062-7004-9H	1	Bracket				
③49019	49019-7001	1	Filter-Fuel				
③49040	49040-7001	1	Pump-Fuel				
③92170	92170-2088	4	Clamp				
③92170A	92170-7003	1	Clamp				
③92191	92191-7003	1	Tube (6.35X12.7X160)				
③92191A	92191-7017	1	Tube				
③92191B	92191-7027	1	Tube				
③130	130B0616	2	Bolt-Flanged				
③130A	130B0620	2	Bolt-Flanged				

Attachments and Accessories

For 74416TE - Z453 Z Master, With 132cm TURBO FORCE Side Discharge Mower

Product Name	Model/Part
Blade-Recycler, 18 Inch	105-7779-03
Blade-Hi Flow, 18 Inch	105-7781-03
Deck Lift Assist Kit	106-9749
52 Inch Recycler Kit	107-1610
Striping Kit	107-1630
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
Mower Deck Lift Assist Kit	108-4090
Blade-Recycler, 18 Inch (6 Pack)	110-0408
Boot and Tube Kit	78492
DFS Vac Collection System	78500
Hitch Kit	99-8924

