Form No. 3324-978

TORO®

Z153

Z-Master® with 52" Side Discharge Mower

Model No. 74198-210000001 and Up

Parts Catalog

PROTOTYPE

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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Fuel-Tank/Fuel Valve Assembly Kawasaki FH680V-AS10	27
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Accessories

Description	Model / Part No.
52" Deck Recycler Kit	99-4586
4 Post ROPS Kit	79470
52" Mulching Kit	99-8530
52" Striping Kit	99-4590
Seat-Suspension, High	99-8522
Blade Assembly-Atomic 18	104-1301

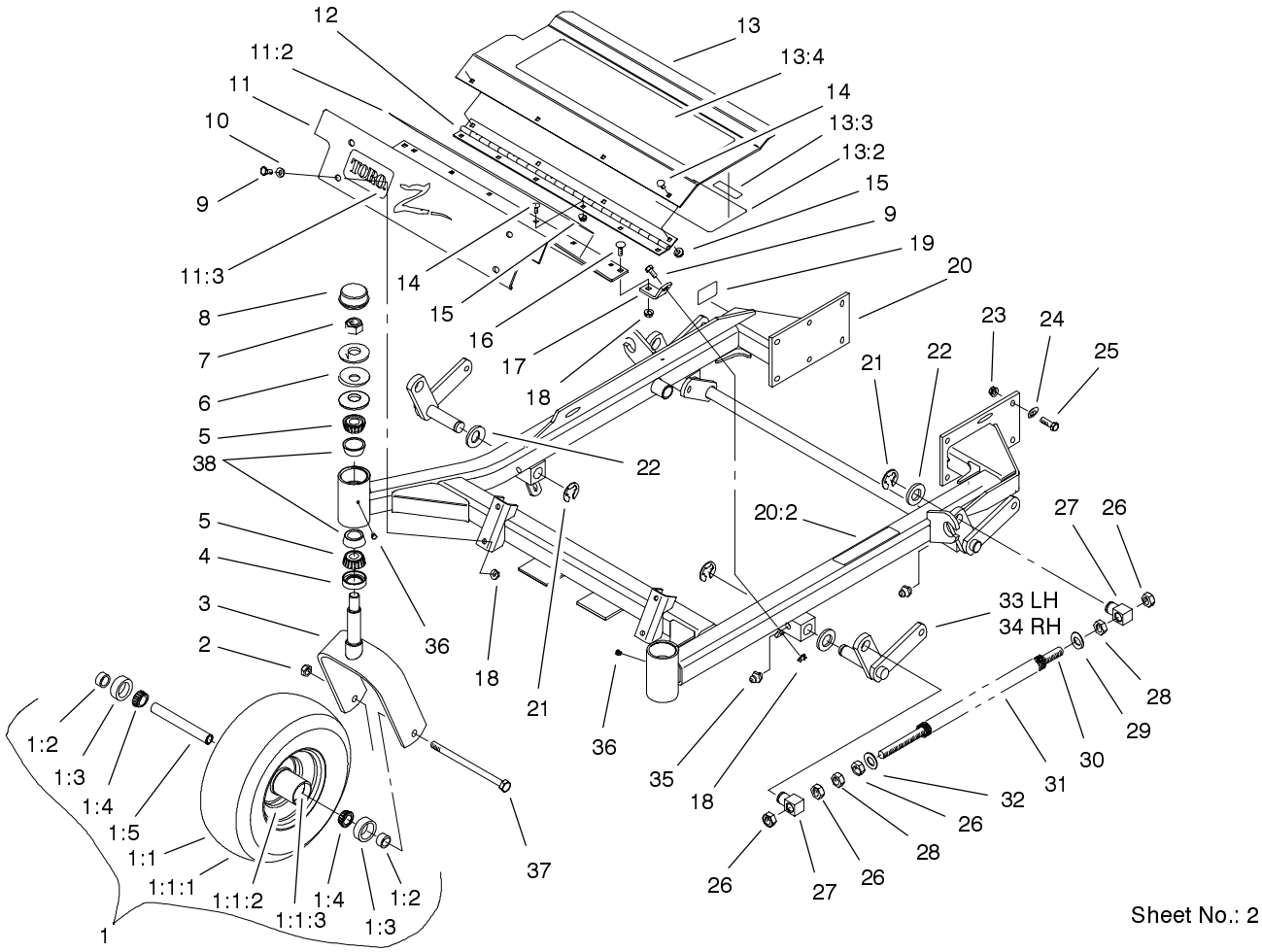
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
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
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

PROTOTYPE



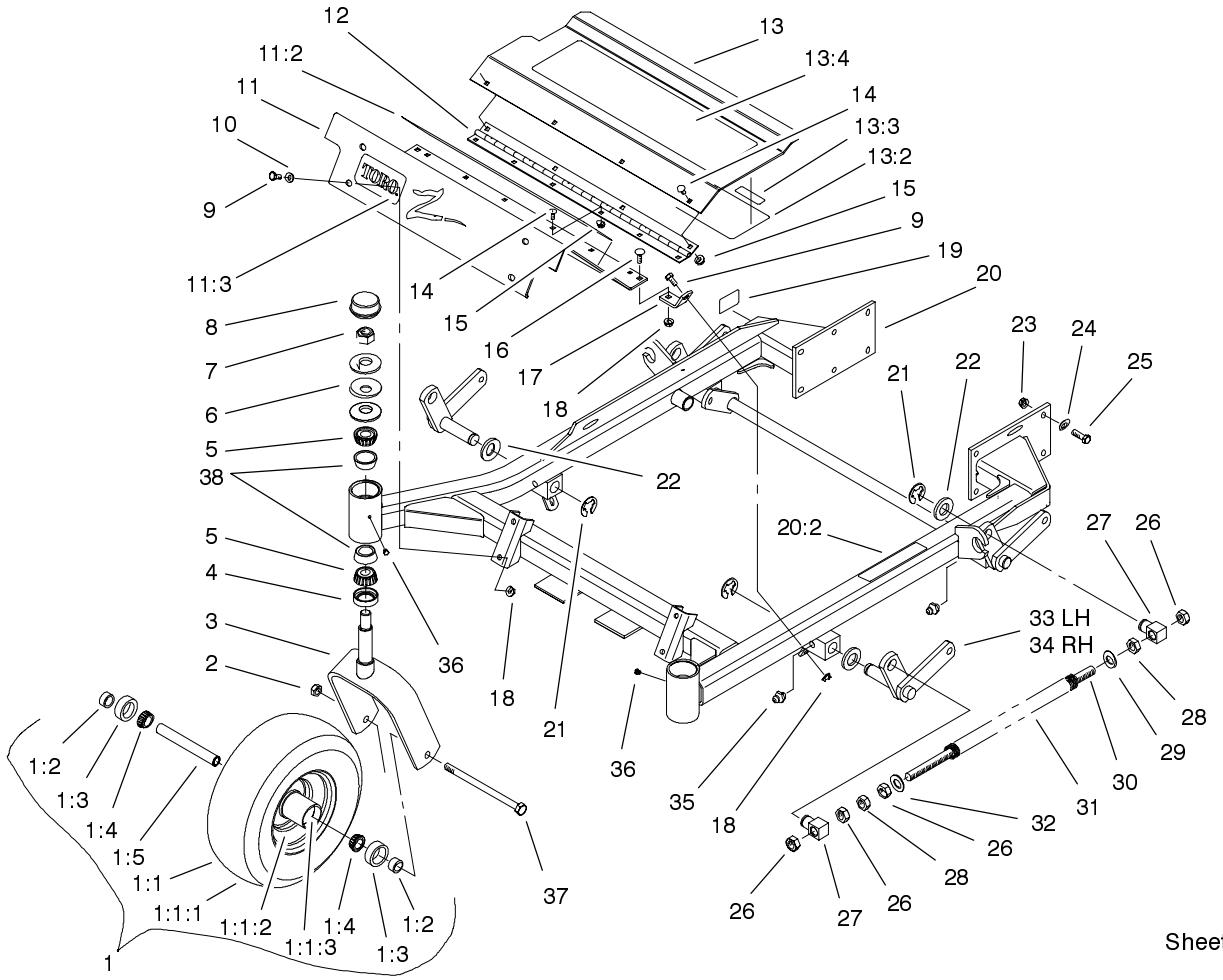
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Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	1-634662	2	Caster Wheel ASM
1:1	1-633582	1	Wheel & Tire ASM
1:1:1	1-633002	1	Tire
1:1:2	1-633583	1	Wheel
1:1:3	1-633584	2	Bearing-Cup
1:2	1-633581	2	Spacer-Bearing
1:3	1-633580	2	Seal-Bearing
1:4	1-633585	2	Bearing-Cone, Tapered
1:5	1-633579	1	Spacer,Front Caster
2	3296-45	2	Nut-Lock, NI
3	1-632511-01	2	Caster
4	1-543511	2	Seal-Grease
5	254-94	4	Bearing-Taper/Cone
6	1-633508	6	Washer-Bellville
7	3296-51	2	Nut-Lock, NI
8	1-543513	2	Cap-Grease
9	322-3	6	Screw-HH
10	3256-23	4	Washer-Flat
11	99-3940	1	Floorpan-Front
11:2	1-633553	1	Pad-Antiskid
11:3	1-633737	1	Decal-Z-Master
12	1-653049	1	Hinge,Floorpan
13	99-3930	1	Footrest ASM
13:2	99-3924	1	Decal-Service
13:3	98-5954	1	Decal-Missing, Cover

Ref. No.	Part No.	Qty.	Description
13:4	1-633553	1	Pad-Antiskid
14	3229-10	10	Screw-CARR
15	32128-33	10	Nut-HF
16	3230-1	2	Screw-CARR
17	99-3870-01	2	Bracket-Floorpan
18	32128-20	8	Nut-HF
19	88-1270	1	Decal-Safety STD
20	99-3931	1	Front Frame ASM
20:2	1-633818	1	Decal-Warning
21	32151-103	6	Ring-Snap
22	3256-29	6	Washer-Flat
23	3290-357	12	Nut-Flange, Lock
24	98-5975	12	Washer-Belleville
25	323-7	12	Screw-HH
26	3217-11	8	Nut-Hex
27	1-633441	4	Swivel-Deck Mount, Rear
28	3218-6	4	Nut-Jam
29	3256-7	2	Washer-Flat
30	1-653011	2	Rod,Deck Lift
31	1-653009	2	Spring,Compression
32	3256-27	2	Washer-Flat
33	99-3871-01	1	Lift Arm ASM - LH
34	99-3872-01	1	Lift Arm ASM - RH
35	302-19	4	Fitting-Grease
36	1-811010	2	Plug

PROTOTYPE



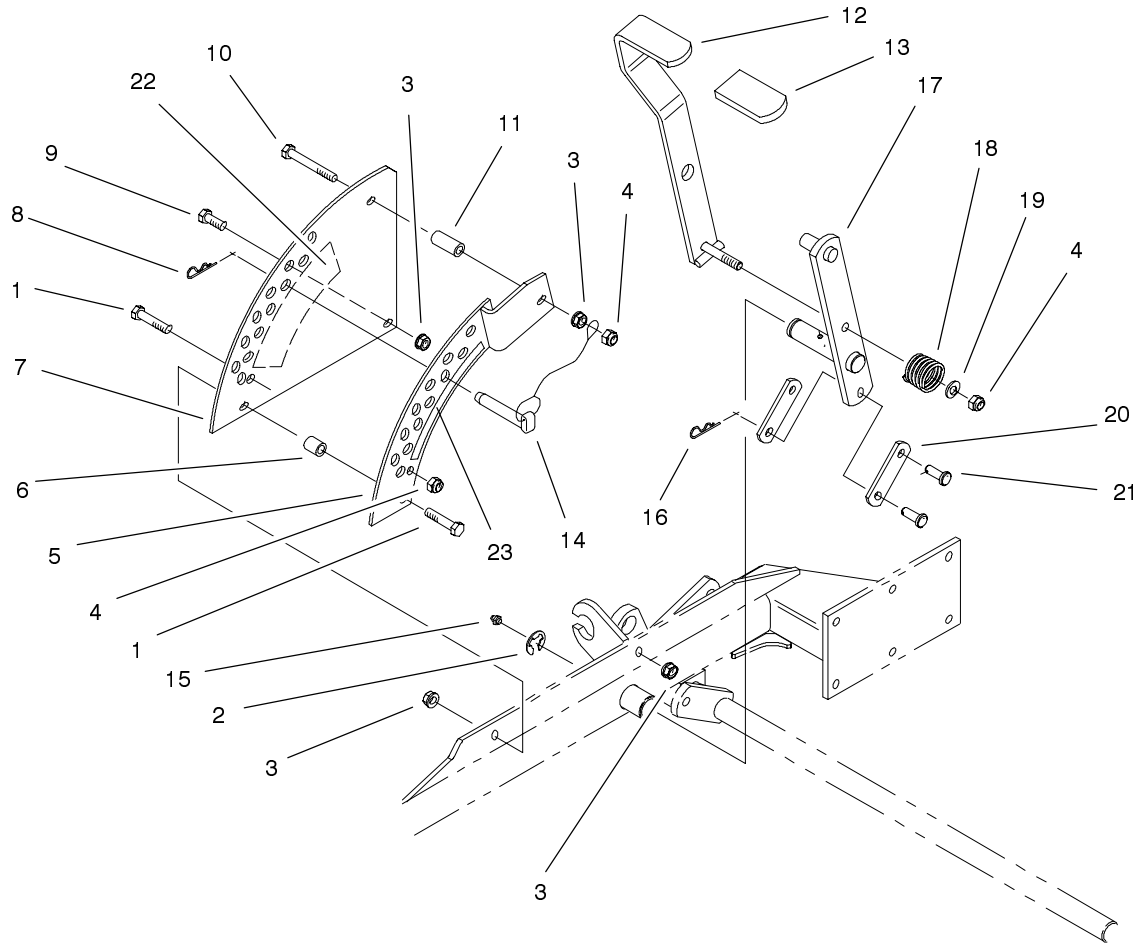
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Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
37	325-36	2	Screw-HH
38	254-72	4	Bearing-Taper/Cup

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



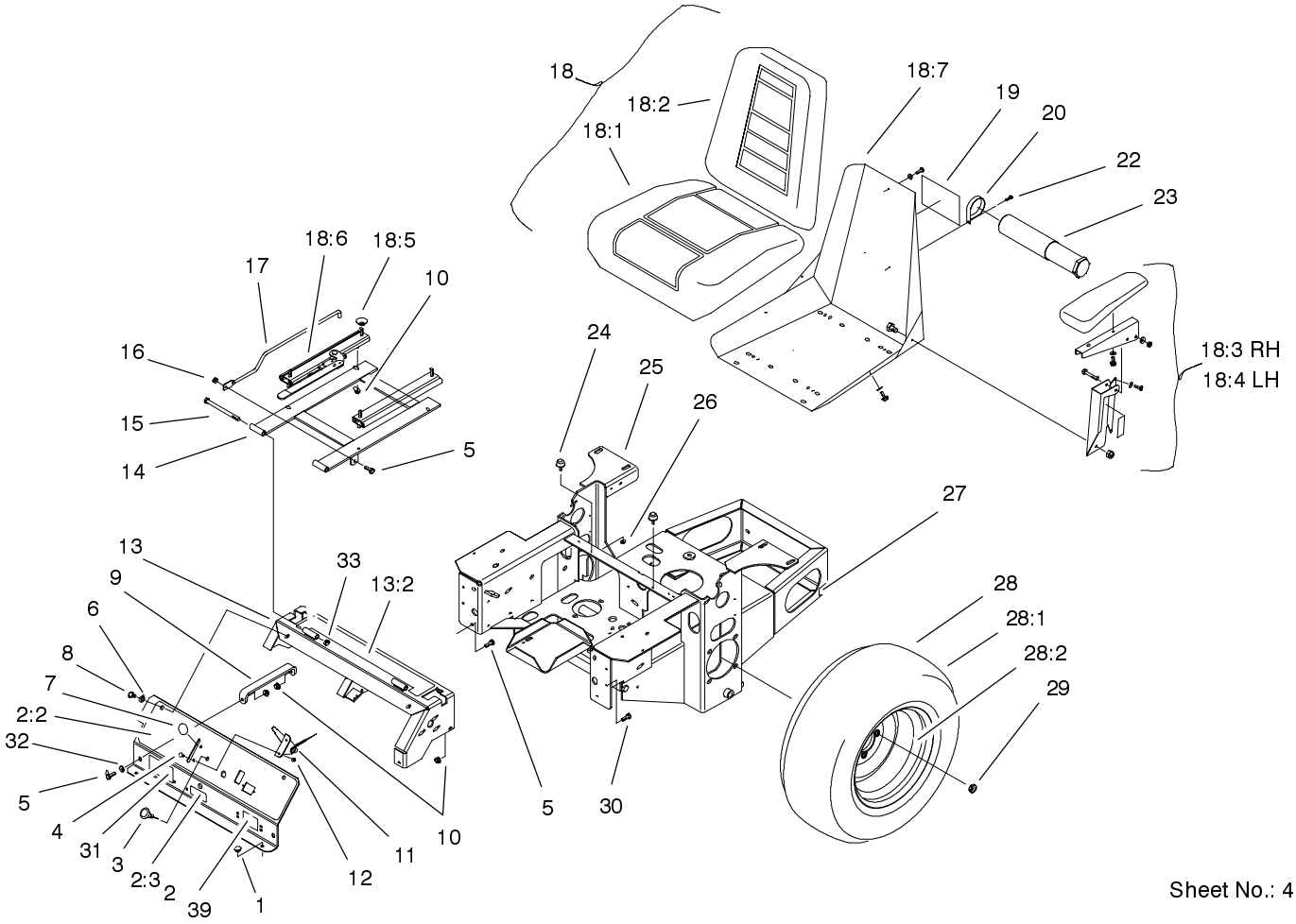
Sheet No.: 3

Height of Cut Handle and Plates Assembly

Ref. No.	Part No.	Qty.	Description
1	323-9	2	Screw-HH
2	32151-103	1	Ring-Snap
3	3290-357	3	Nut-Flange, Lock
4	3296-39	3	Nut-Lock, NI
5	1-652235-01	1	Wld,Deck Lift Plate
6	1-633080	1	Bushing-Lever, Lift
7	1-653230-01	1	Plate-Deck Lift
8	1-806005	1	Pin-Cotter, Hair
9	323-6	1	Screw-HH
10	323-13	1	Screw-HH
11	1-633082	1	Bushing-Lever, Lift
12	1-652023-03	1	Wld,Lift Lever
13	1-633295	1	Grip-Lever, Lift
14	1-633097	1	Pin-Hitch W/Lanyard
15	302-19	1	Fitting-Grease
16	1-806003	2	Pin-Cotter, Hair
17	99-3922-03	1	Arm-Lift
18	1-633325	1	Spring-Compression
19	3256-24	1	Washer-Flat
20	1-633068	2	Arm-Lift, Deck
21	1-808284	2	Pin-Clevis
22	1-653140	1	Decal,Deck Height Outer
23	1-653147	1	Decal-Deck Height, Inner

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



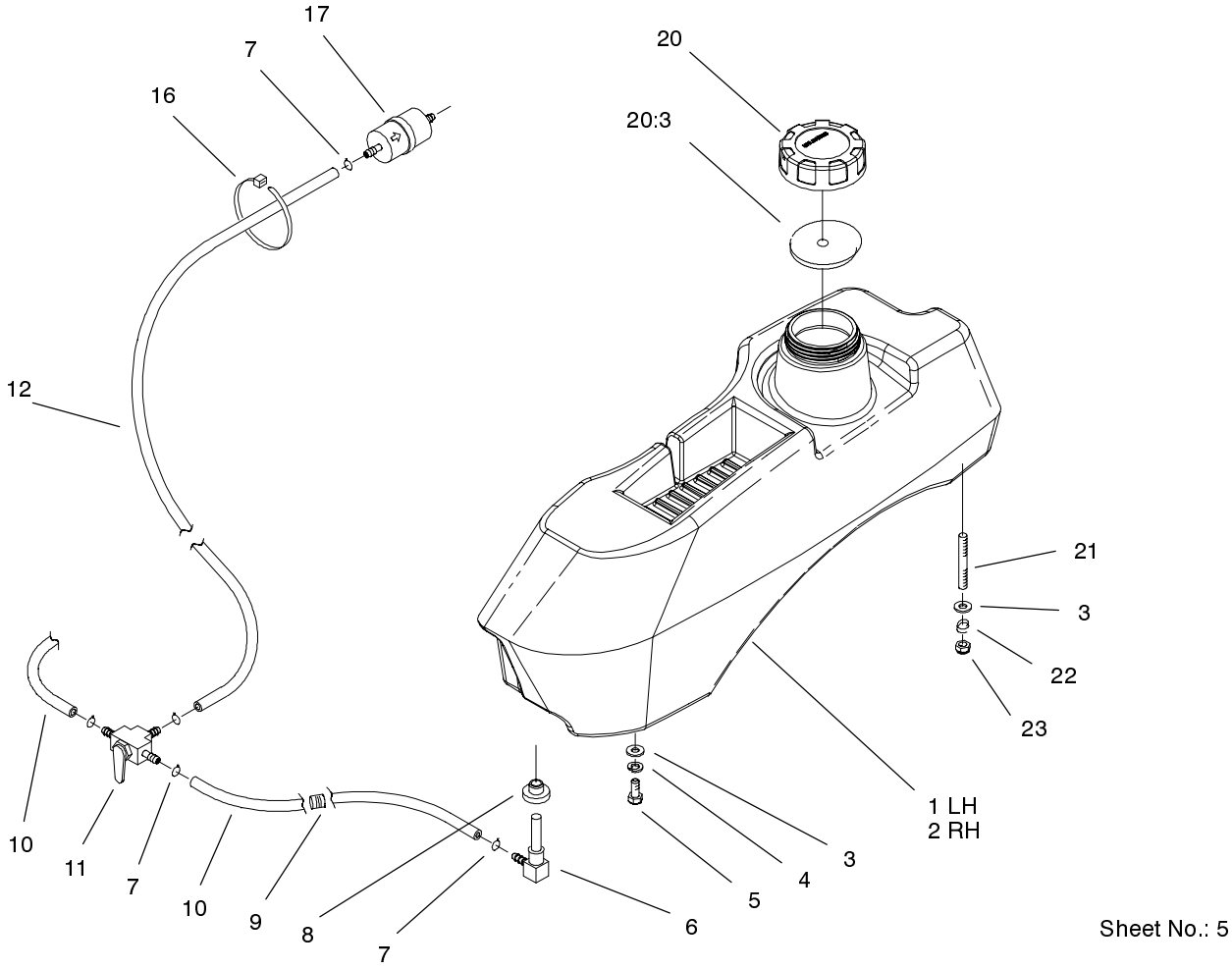
Sheet No.: 4

Main Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	1-513658	2	Bumper-Catcher, Grass
2	103-0724	1	Instrument Panel ASM
2:2	103-0167	1	Decal,Console
2:3	103-0262	1	Decal-Valve, Fuel
3	1-603336	1	Control-Choke
4	1-807513	2	Bolt-CARR
5	322-5	3	Screw-HH
6	3256-23	2	Washer-Flat
7	1-513592	1	Knob-Ball, Red
8	322-3	3	Screw-HH
9	1-653089-03	1	Bracket
10	32128-20	12	Nut-HF
11	1-633696	1	Cable-Throttle
12	3296-2	2	Nut-Lock
13	99-3933	1	Console ASM
13:2	103-0315	1	Decal-Console
14	1-632187-03	1	Frame - Seat
15	323-39	2	Screw-HH
16	3296-29	1	Nut-Lock
17	1-653495	1	Rod-Hold Up, Seat
18	1-633705	1	Seat W/Tracks
18:1	103-0290	1	Cushion-Bottom, Seat
18:2	104-7754	1	Cushion - Back, Seat
18:3	1-633710	1	Cushion-Armrest, RH
18:4	1-633711	1	Cushion-Armrest, LH

Ref. No.	Part No.	Qty.	Description
18:5	1-543401	4	Spacer-Track
18:6	1-643255	1	Track-Seat
18:7	1-633859	1	Frame-Seat
19	99-4693	1	Decal-Toro
20	2412-120	2	R-Clamp
22	32104-76	2	Screw
23	74-0720	1	Tube-Manual
24	1-523420	2	Bumper
25	103-0712-03	1	Wld,Mainframe - Pntd
26	3296-42	2	Nut-Lock NI
27	65-2690	2	Decal-Surface, Hot
28	1-653159	2	ASM,Wheel & Tire
28:1	1-653160	1	Tire
28:2	1-653161	1	Wheel
29	242-50	8	Nut - Lug
30	322-2	6	Screw-HH
31	100-3969	1	Decal-Z153
32	3256-3	2	Washer-Flat
33	3296-39	2	Nut-Lock, NI
39	98-4387	1	Decal-Protection, Ear

PROTOTYPE



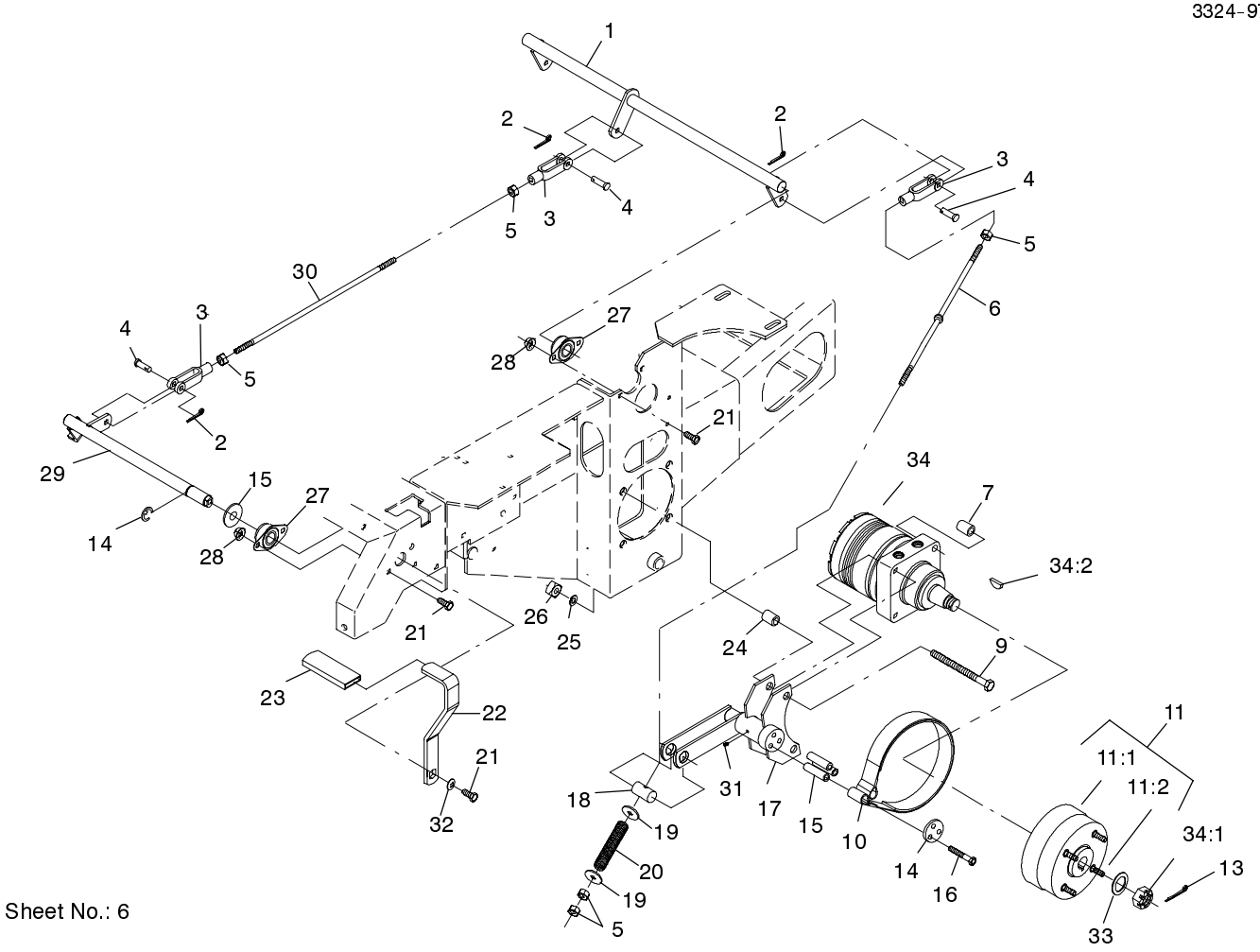
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Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	104-5120	1	Tank - Fuel, LH
2	104-5121	1	Tank - Fuel, RH
3	3256-23	8	Washer-Flat
4	1-805005	4	Washer-Lock
5	322-3	4	Screw-HH
6	1-543277	2	Elbow-Tank, Fuel
7	1-303077	6	Clamp-Line, Fuel
8	1-513645	2	Bushing-Valve, Fuel
9	1-543296	2	Grommet,Fuel Line
10	1-543526	2	Hose,Fuel
11	1-633347	1	Valve-Fuel
12	103-0216	1	Hose-Fuel
16	1-303335	1	Tie-Plastic
17	49019-7001	1	Filter-Fuel
20	88-3980	2	Gas Cap ASM
20:3	88-4010	1	Gasket-Cap, Gas
21	1-633023	4	Stud
22	1-633349	4	Spring-Tank, Fuel
23	3296-47	4	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



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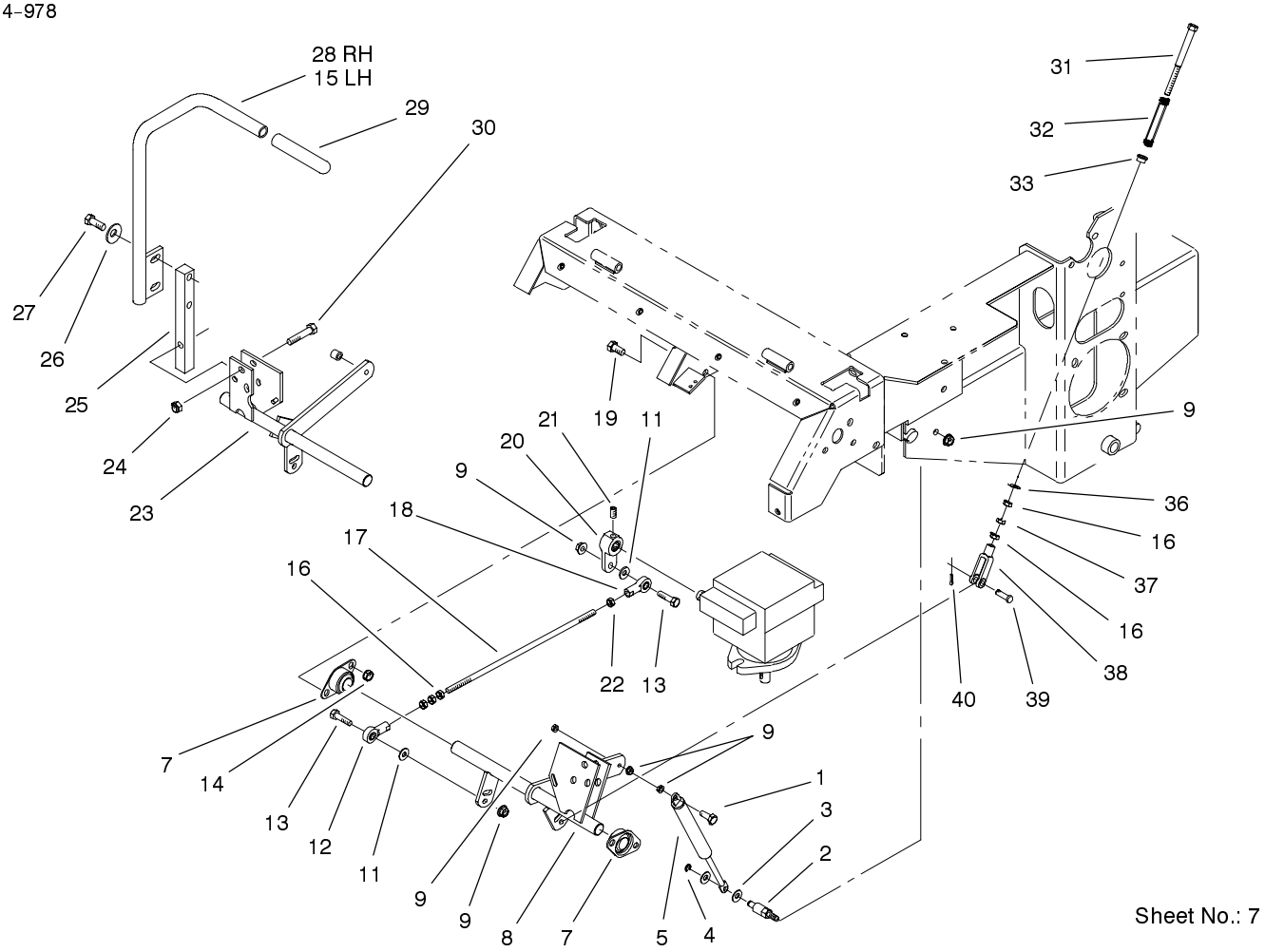
Parking Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	1-652073-03	1	Wld,Park Brake Crank
2	3272-10	4	Pin-Cotter
3	1-633131	4	Yoke-Linkage, Brake
4	1-808285	4	Pin-Clevis
5	3219-3	8	Nut-HH
6	103-0356	2	Rod,Brake
7	1-653068	4	Spacer,Wheel
9	325-13	8	Screw-HH
10	103-0355	2	Band-Brake
11	103-0590	2	Hub-Wheel W/Studs
11:1	103-0589	1	Hub-Wheel
11:2	1-633926	4	Stud-Heel
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,Park Brake
23	1-633268	1	Grip-Lever, Brake
24	1-653069	4	Spacer,Wheel
25	3253-7	8	Washer-Lock
26	103-0131	8	Nut-Square

Ref. No.	Part No.	Qty.	Description
27	1-633102	4	Bearing-Flange, Side
28	3290-357	8	Nut-Flange, Lock
29	1-652085	1	Shaft - Parking Brake
30	1-653061	1	Linkage-Handle, Brake
31	1481	2	Fitting-Grease
32	98-5975	1	Washer-Belleville
33	1-523157	2	Washer-Spacer
34	1-523328	2	Motor-Wheel
34:1	1-809036	1	Nut-HH
34:2	3257-42	1	Key-Woodruff
*34:99	1-000099	1	Kit-Seal
*34:99	1-000139	1	Kit-Bearing

PROTOTYPE

* Not illustrated



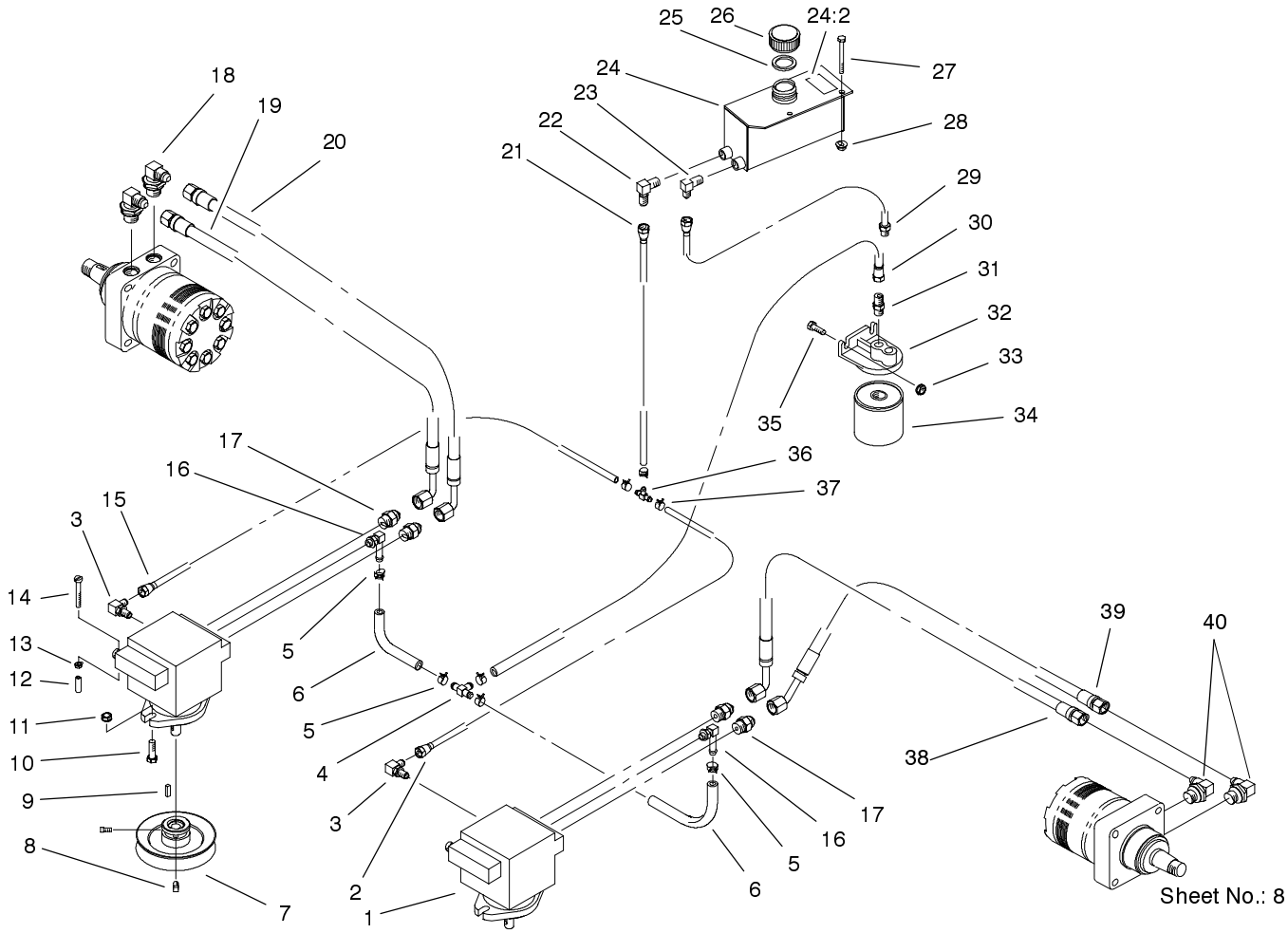
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Motion Control System Assembly

Ref. No.	Part No.	Qty.	Description
1	1-403180	2	Screw-HH
2	1-653316	2	Pin-Dampner
3	3256-23	4	Washer-Flat
4	32120-35	2	E-Ring
5	1-523027	2	Damper-Control
7	1-633102	4	Bearing-Flange, Side
8	1-652467	1	Motion Control, LH
9	32128-20	12	Nut-HF
11	3256-3	4	Washer-Flat
12	1-543017	2	Balljoint-RH
13	322-6	4	Screw-HH
14	3290-357	8	Nut-Flange, Lock
15	1-632191-03	1	Lever - Control, LH
16	3219-2	10	Nut-Hex
17	1-653046	2	Linkage,Pump/Lever
18	1-633152	2	Balljoint-Thread, LH
19	323-4	8	Screw-HH
20	1-653092	2	Arm,Pump Control
21	1-803022	2	Screw
22	1-804524	2	Nut
23	1-652466	1	Motion Control, RH
24	3296-39	6	Nut-Lock, NI
25	1-633177	2	Arm-Control, Shaft
26	98-5975	4	Washer-Belleville
27	323-6	4	Screw-HH
28	1-632193-03	1	Lever - Control, RH

Ref. No.	Part No.	Qty.	Description
29	1-633257	2	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, Nylon
36	3256-2	2	Washer-Flat
37	3220-2	2	Nut
38	1-303105	2	Yoke-Adjustable
39	1-808280	2	Pin-Clevis
40	3272-5	2	Pin-Cotter

PROTOTYPE



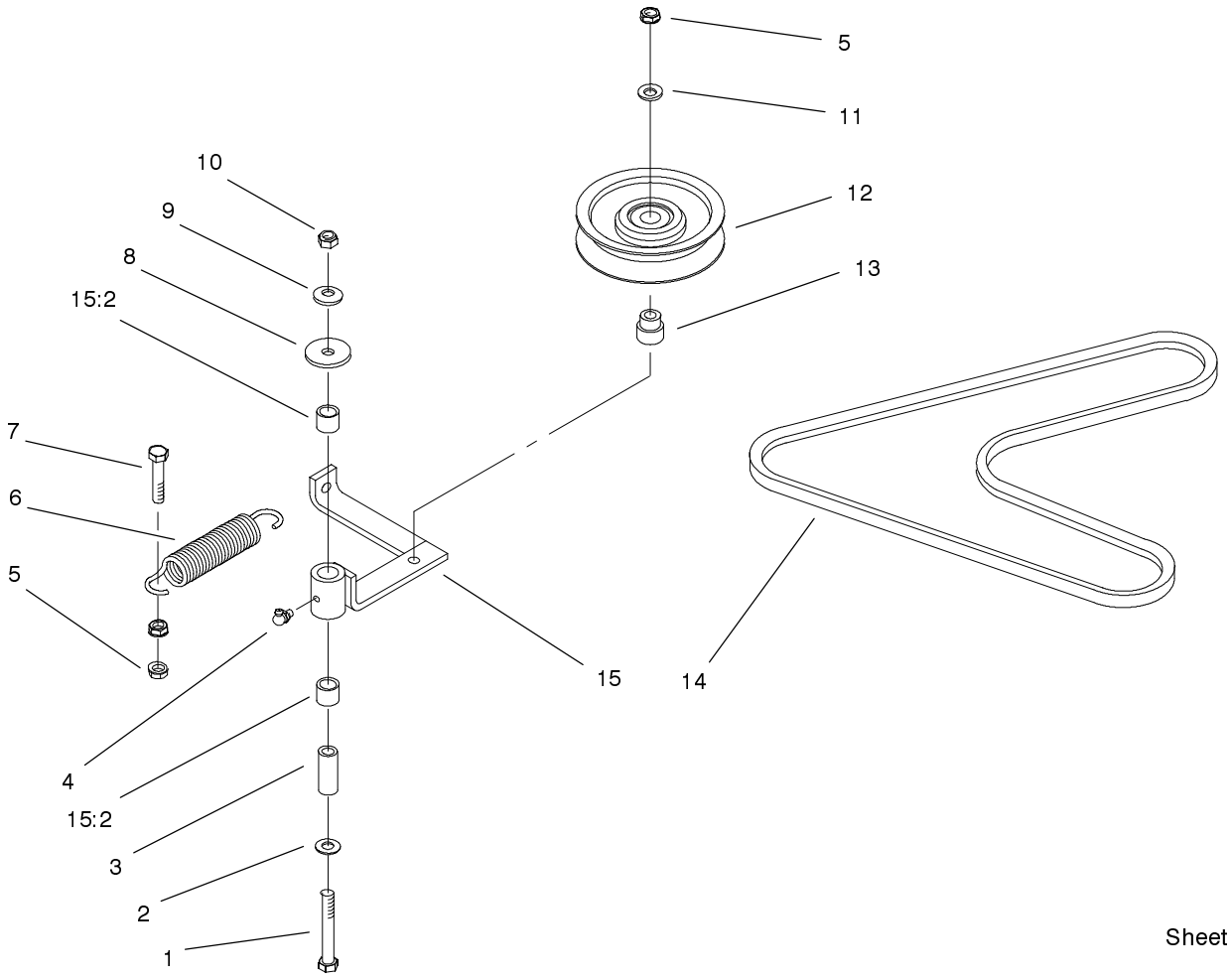
Hydraulics Assembly

Ref. No.	Part No.	Qty.	Description
1	1-603841	2	Pump-Hydraulic
*1	80-6130	2	Kit-Seal, Overhaul
2	1-632285	1	Hose ASM
3	1-513840	2	Fitting-90 DEG
4	1-603721	1	Fitting-Tee, Hose
5	1-603827	5	Clamp-Hose
6	1-413273	2	Hose
7	1-413010	2	Sheave,4.25 W/Hub
8	1-803050	4	Screw-Set
9	1-807272	2	Key-Machine
10	323-7	4	Screw-HH
11	3290-357	4	Nut-Flange, Lock
12	1-613073	2	Grip,Dump Valve
13	3296-42	2	Nut-Lock NI
14	1-801063	4	Screw
15	1-632286	1	Hose ASM
16	1-603989	2	Fitting
17	1-603990	4	Fitting-Straight
18	1-633605	2	Fitting,Connector
19	1-653186	1	Hose,Front
20	1-653187	1	Hose,RH Rear
21	1-654144	1	Hose
22	1-603987	1	Fitting-Elbow
23	1-603988	1	Fitting-Elbow
24	99-4625	1	Hydraulic Tank ASM
24:2	1-523552	1	Decal-Tank, Hydraulic

Ref. No.	Part No.	Qty.	Description
25	1-523103	1	Gasket-Cap, Tank
26	1-513167	1	Cap
27	321-15	2	Screw-HH
28	32128-33	2	Nut-HF
29	1-654320	1	Hose
30	1-654509	1	Hose
31	1-513510	1	Fitting,Straight
32	1-603720	1	Head-Filter
33	32128-20	2	Nut-HF
34	1-633750	1	Filter-Hydraulic
34	1-633752	1	Filter-Hydraulic, Winter
35	322-5	2	Screw-HH
36	1-603722	1	Fitting-Tee, Hose
37	1-603826	3	Clamp-Hose
38	1-653409	1	Hose,Hydraulic
39	1-653410	1	Hose,Hydraulic
40	1-633786	2	Fitting-90 DEG

PROTOTYPE

* Not illustrated



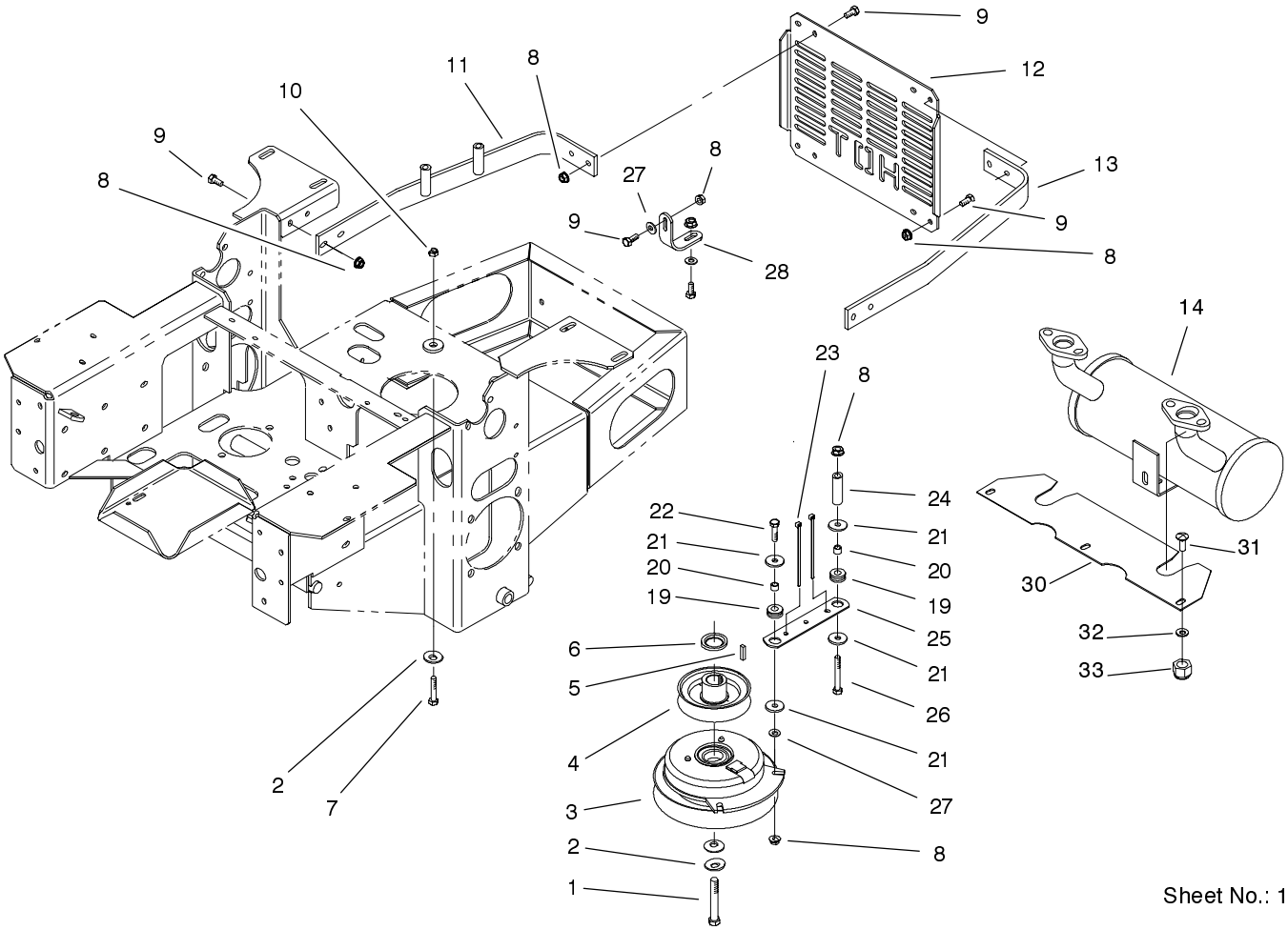
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Pump Idler and Belt Assembly

Ref. No.	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	3	Nut-Flange, Lock
6	1-603414	1	Spring-Extension
7	323-9	2	Screw-HH
8	1-213069	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
13	1-603496	1	Bushing-Idler
14	1-653580	1	Belt-Pump
15	1-654143	1	Idler Arm
15:2	1-513034	2	Sleeve-Bearing

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.: 10

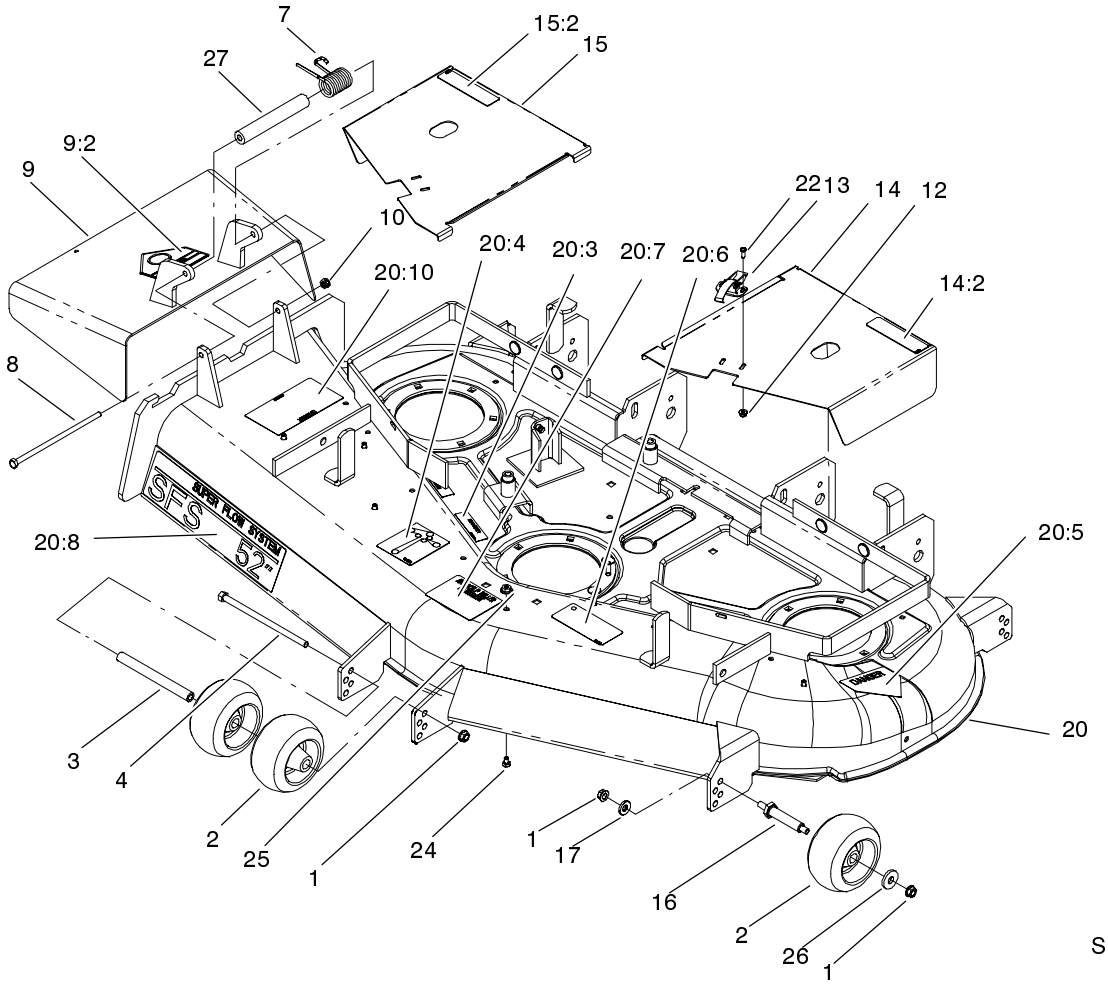
Engine and Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	3212-12	1	Screw-Cap HH
2	1-303334	4	Washer-Spring
3	1-653048	1	Clutch,Mag Stop
4	1-653035	1	Sheave,W/Hub
5	1-807259	1	Key
6	1-543214	1	Spacer-Crankshaft
7	322-9	4	Screw-HH
8	32128-20	16	Nut-HF
9	322-3	14	Screw-HH
10	3296-29	4	Nut-Lock
11	1-652146-03	1	Strap-Guard, Engine
12	1-653095-03	1	Shield,Engine
13	1-653093-03	1	Strap,Engine Guard
14	1-653260	1	Muffler,19/23 Kawasaki
19	1-633630	2	Grommet-Brake
20	1-633545	2	Spacer-Grommet
21	1-613235	4	Washer
22	322-6	1	Screw-HH
23	1-303335	2	Tie-Plastic
24	1-523406	1	Bushing-Mount, Seat
25	1-633543-03	1	Strap-Clutch, Brake
26	322-22	1	Screw-HH
27	3256-3	3	Washer-Flat
28	1-653196	1	Bracket-Support, Muffler
30	1-653539-03	1	Shield,Heat

Ref. No.	Part No.	Qty.	Description
31	3230-1	3	Screw-CARR
32	3256-23	3	Washer-Flat
33	3296-29	3	Nut-Lock
☆99		1	Engine-Kawasaki, Fh680v-As10

PROTOTYPE

☆ Not serviced



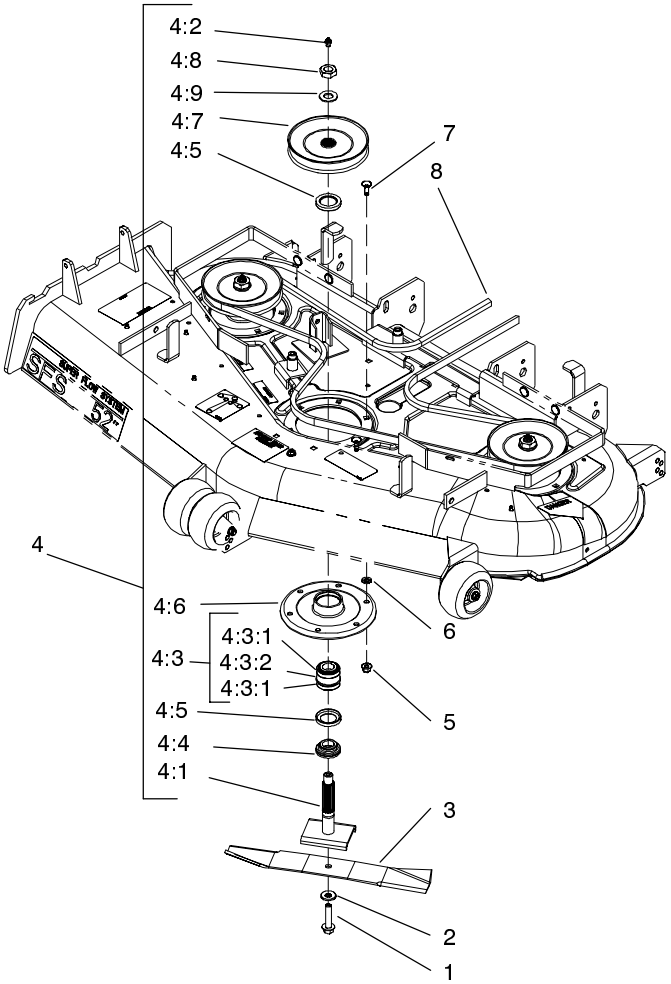
Sheet No.: 14

52” Deck Assembly

Ref. No.	Part No.	Qty.	Description
1	3290-357	9	Nut-Flange, Lock
2	68-2730	6	Gage-Wheel
3	98-5967	1	Spacer - Wheel
4	323-28	1	Screw-HH
7	104-8554	1	Spring-Torsion
8	322-50	1	Screw-Cap
9	104-7753	1	Deflector ASM W/ Decals
9:2	54-9220	1	Decal-Danger
10	3296-29	1	Nut-Lock
12	32128-17	4	Nut-Lock, Flange
13	249-21	2	Clamp-Slotted
14	99-3896	1	LH Cover ASM
14:2	67-5360	1	Decal-Danger
15	99-3895	1	RH Cover ASM
15:2	67-5360	1	Decal-Danger
16	99-2842	4	Spacer-Wheel
17	98-5975	4	Washer-Belleville
20	104-7792	1	Deck ASM W/ Decals
20:3	98-5954	3	Decal-Missing, Cover
20:4	99-3943	1	Decal-Routing, Belt
20:5	43-8480	1	Decal-Danger
20:6	93-7818	1	Decal-Torque, Blade
20:7	98-3798	1	Decal-Wheel, Gage
20:8	98-5953	1	Decal-Sfs
20:10	66-1340	1	Decal-Danger

Ref. No.	Part No.	Qty.	Description
22	3290-321	4	Screw-HWH
24	321-1	6	Screw-HH
25	32128-33	6	Nut-HF
26	1-373034	4	Washer-Swivel
27	104-8555	1	Spacer-Deflector, Mounting

PROTOTYPE



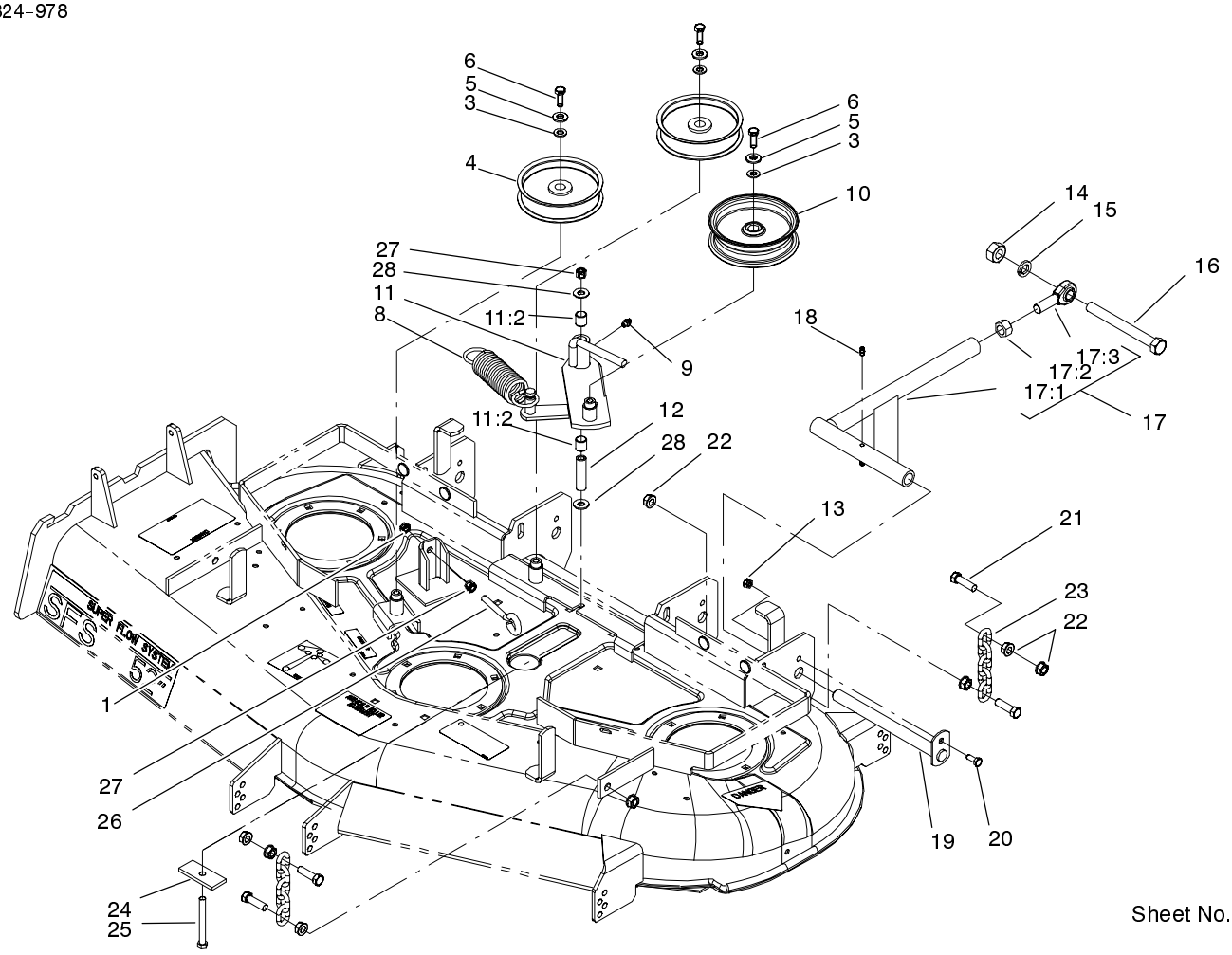
Sheet No.: 15

52” Deck Spindle Assembly

Ref. No.	Part No.	Qty.	Description
1	92-5816	3	Bolt-Blade
2	1-513435	3	Washer-Spring
3	56-2390	3	Blade
4	100-3976	3	Spindle Housing ASM
4:1	100-3972	1	Spindle Shaft ASM
4:2	302-2	1	Fitting-Grease
4:3	46-8530	1	Bearing ASM
4:3:1	27-0960	1	Bearing ASM
4:3:2	27-5970	1	Spacer-Set, Matched
4:4	27-0950	1	Spacer-Bearing, Spindle
4:5	253-139	2	Seal-Oil
4:6	61-4160	1	Housing-Spindle
4:7	100-3970	1	Pulley And Hub ASM
4:8	32146-20	1	Nut-Jam
4:9	7-4150	1	Washer-Pinion
5	32128-21	18	Nut-HF
6	3256-24	6	Washer-Flat
7	3231-22	18	Screw-CARR
8	99-3904	1	Belt-Deck

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



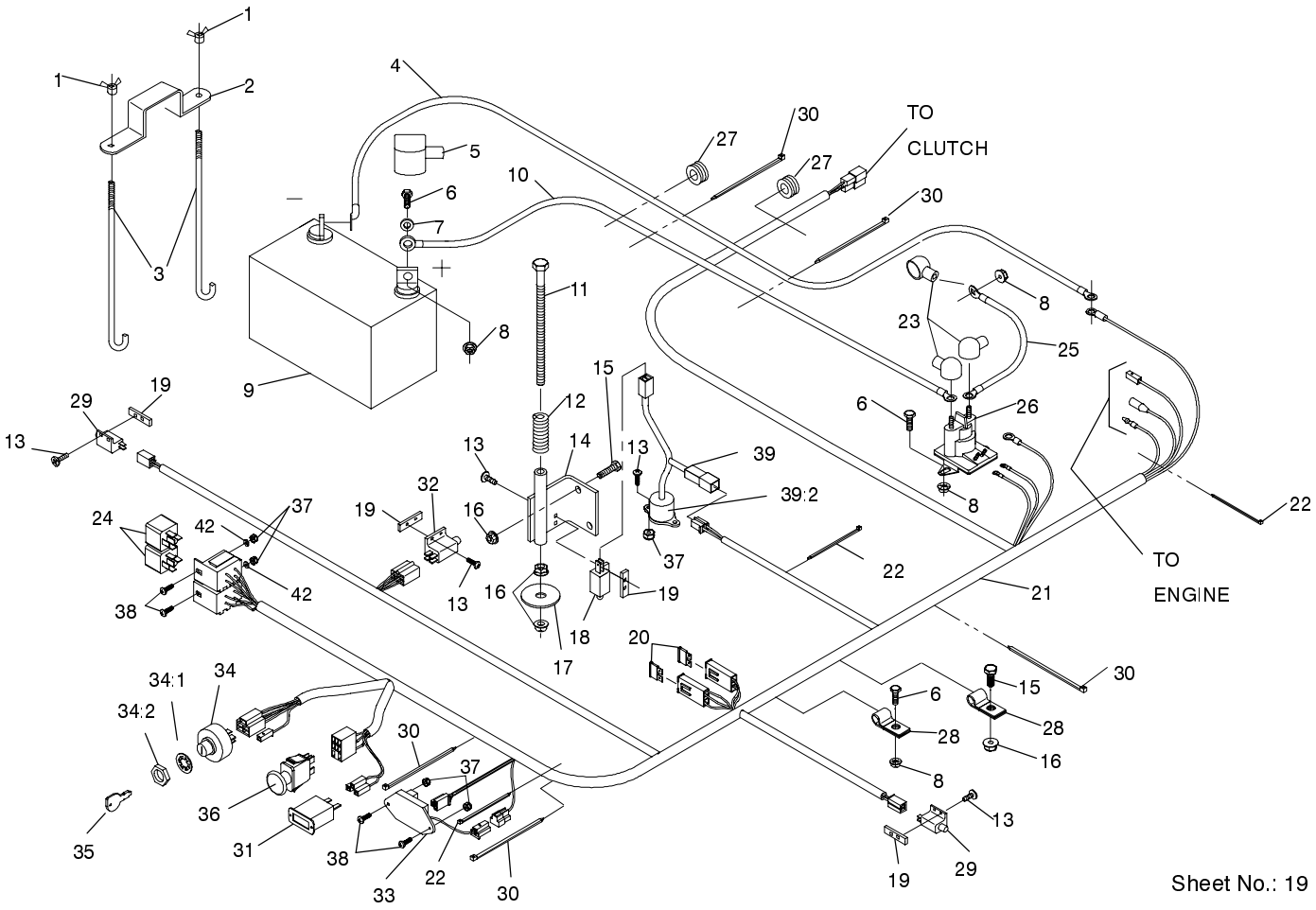
Sheet No.: 16

Idler Pulley/Lift Strut Chains Assembly

Ref. No.	Part No.	Qty.	Description
1	3217-7	1	Nut-Hex
3	3256-24	3	Washer-Flat
4	1-613098	2	Pulley-Idler
5	98-5975	3	Washer-Belleville
6	323-6	3	Screw-HH
8	1-633151	1	Spring-Extension
9	302-40	1	Fitting-Grease
10	1-413099	1	Pulley-Idler
11	99-3879	1	Idler Arm ASM W/Bushings
11:2	1-513034	2	Sleeve-Bearing
12	1-603384	1	Bushing-Pivot, Idler
13	3296-29	2	Nut-Lock
14	3217-11	2	Nut-Hex
15	3253-8	2	Washer-Lock
16	1-800344	2	Screw
17	103-1081	2	ASM,Strut STD Long
17:1	103-1072-01	1	Strut-Deck
17:2	3219-6	1	Nut-Hex
17:3	1-633029	1	Balljoint-Spherical
18	302-19	4	Fitting-Grease
19	1-632199-01	2	Pin-Strut, Deck
20	322-3	2	Screw-HH
21	1-800811	8	Screw-Cap HH
22	32128-37	16	Nut-HF
23	1-633447	4	Chain-Lift, Deck

Ref. No.	Part No.	Qty.	Description
24	99-3946-01	1	Plate-Retainer, Bolt
25	1-800805	1	Screw-HH
26	94-2547	1	Eyebolt
27	3296-39	2	Nut-Lock, NI
28	1-809107	2	Washer-Hardened

PROTOTYPE



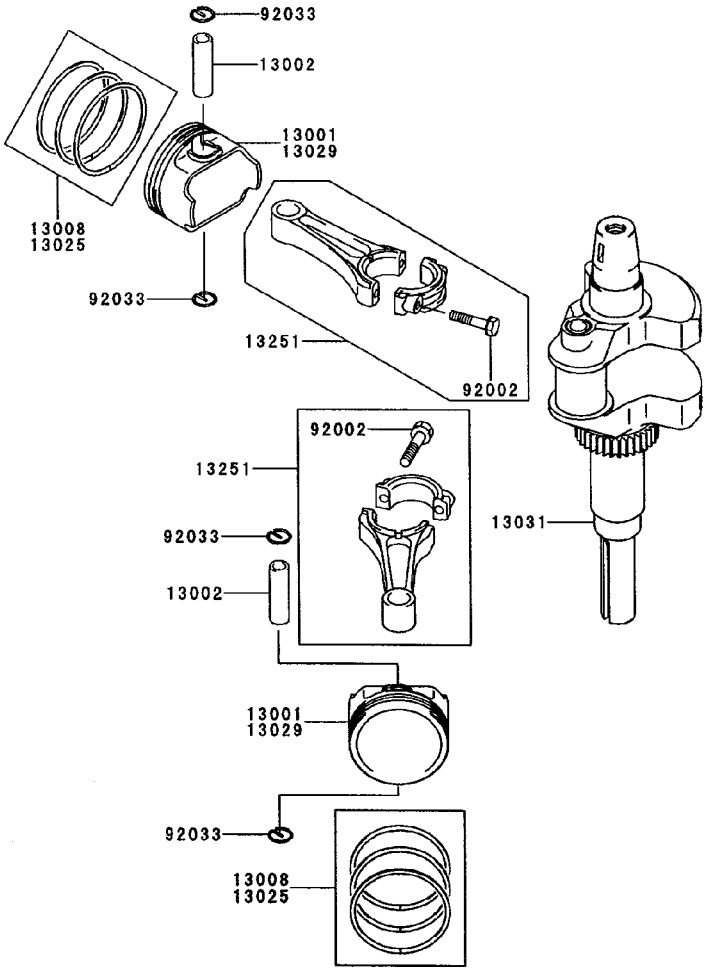
Sheet No.: 19

Electrical System Assembly

Ref. No.	Part No.	Qty.	Description
1	1-543792	2	Wingnut
2	1-633652-03	1	Strap-Holddown, Battery
3	1-633651	2	Bolt-Holddown
4	103-0705	1	Cable,Ground (-)
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	1-603479	1	Battery
10	103-0707	1	Cable,Battery
11	1-800282	1	Screw-HH
12	1-523415	1	Spring-Switch, Seat
13	3290-500	10	Screw-PPH
14	1-652072-03	1	Wld,Seat Switch Bracket
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-Type, Blade
21	103-0623	1	Harness,Wire Lhp Ka
22	1-303287	3	Tie-Plastic
23	1-543393	3	Insulator-Solenoid

Ref. No.	Part No.	Qty.	Description
24	1-643275	2	Relay
25	1-633306	1	Wire,Starter
26	1-513075	1	Switch,12v Solenoid
27	1-543286	2	Grommet
28	1-633396	2	Clip-Loom
29	1-513051	2	Switch-Open, Normally
30	1-303335	5	Tie-Plastic
31	1-513374	1	Meter-Hours
32	1-633111	1	Switch
33	100-6186	1	Module-Delay, Seat
34	88-9830	1	Switch-Ignition
34:1	3254-5	1	Washer-Lock, Internal
34:2	218-461	1	Nut-HH
35	63-8360	2	Key-Ignition
36	1-633673	1	Switch-Delta
37	3296-2	6	Nut-Lock
38	1-807513	4	Bolt-CARR
39	1-644427	1	Tilt Switch ASM
39:2	1-643401	1	Decal-Switch, Mercury
42	3256-14	2	Washer-Flat

PROTOTYPE

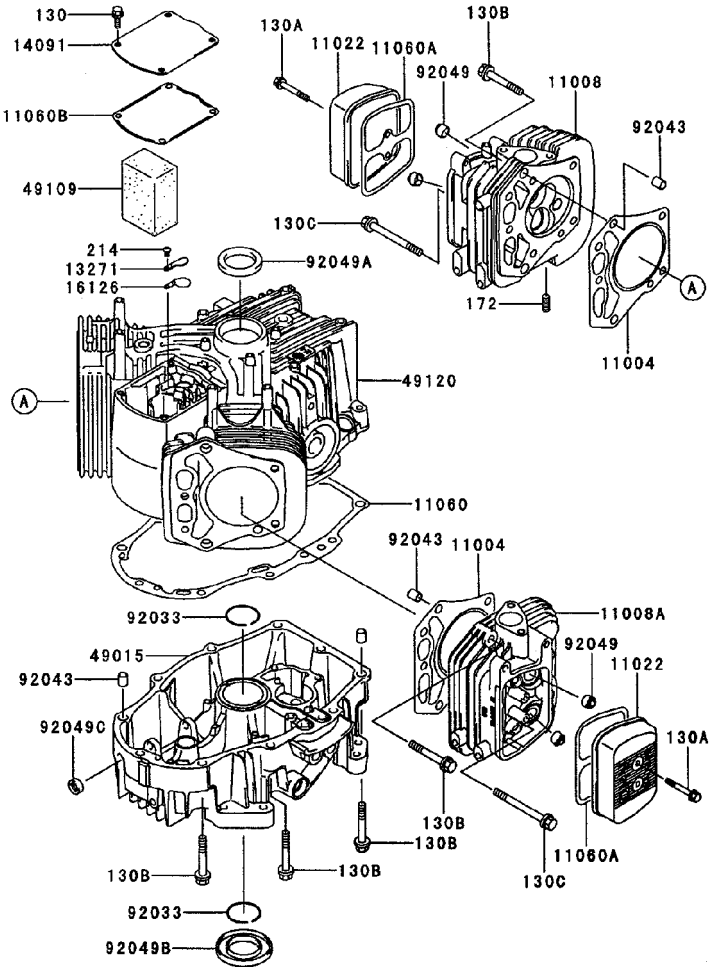


Piston/Crankshaft Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
13001	13001-7007	2	Piston-Engine
13002	13002-7001	2	Pin-Piston
13008	13008-6058	2	Ring-Set-Piston
13025	13025-7002	A/R	Ring-Set, Piston L,0.50
13029	13029-7003	A/R	Piston-Engine L,0.50
13031	13031-7002	1	Crankshaft-Comp
13251	13251-7002	2	Rod-Assy-Connecting
92002	92002-2053	4	Bolt
92033	92033-7005	4	Ring-Snap

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

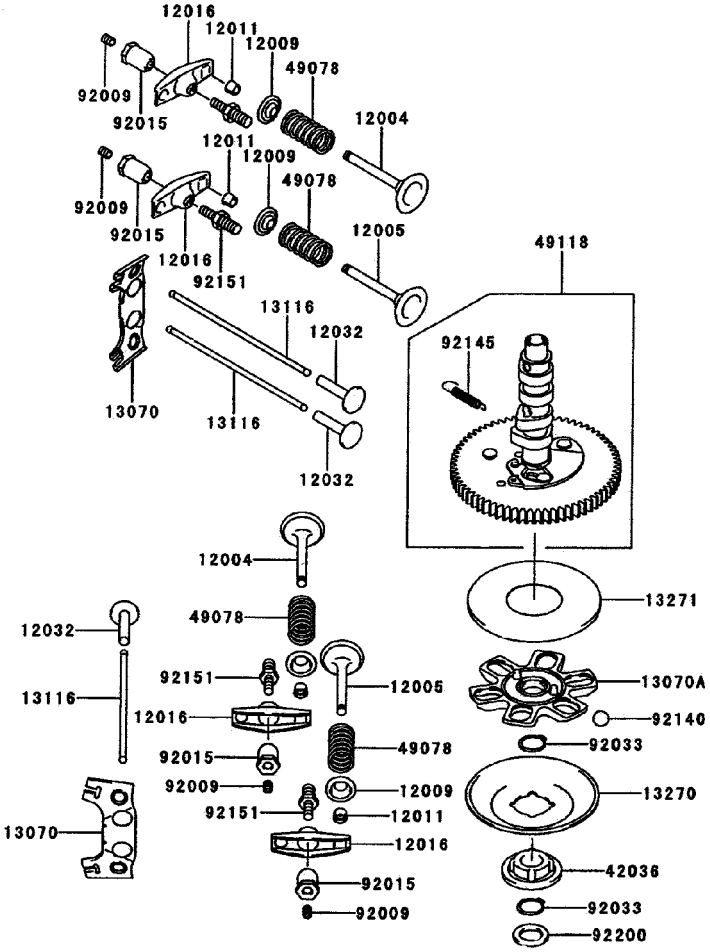


Cylinder/Crankcase Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
11004	11004-7004	2	Gasket-Head
11008	11008-7003	1	Head-Comp-Cylinder No. 1
11008A	11008-7004	1	Head-Comp-Cylinder No. 2
11022	11022-7002	2	Case-Rocker
11060	11060-7012	1	Gasket, CrankCase Cover
11060A	11060-7013	2	Gasket, Rocker Case
11060B	11060-7014	1	Gasket, Breather
13271	13271-7006	1	Plate
14091	14091-7004	1	Cover
16126	16126-7001	1	Valve
49015	49015-6225	1	Cover-Crankcase
49109	49109-7003	1	Element-Breather
49120	49120-6122	1	Crankcase-Comp
92033	92033-7004	2	Ring-Snap
92043	92043-7001	6	Pin
92049	92049-7001	4	Seal-Oil
92049A	92049-7002	1	Seal-Oil
92049B	92049-7004	1	Seal-Oil
92049C	92049-7005	1	Seal-Oil
130	130B0612	4	Bolt-Flanged
130A	130B0640	4	Bolt-Flanged
130B	130T0850	18	Bolt-Flanged
130C	130T0875	2	Bolt-Flanged

Ref. No.	Part No.	Qty.	Description
172	172G0818	4	Bolt-Stud
214	214B0408	1	Screw-Pan

PROTOTYPE

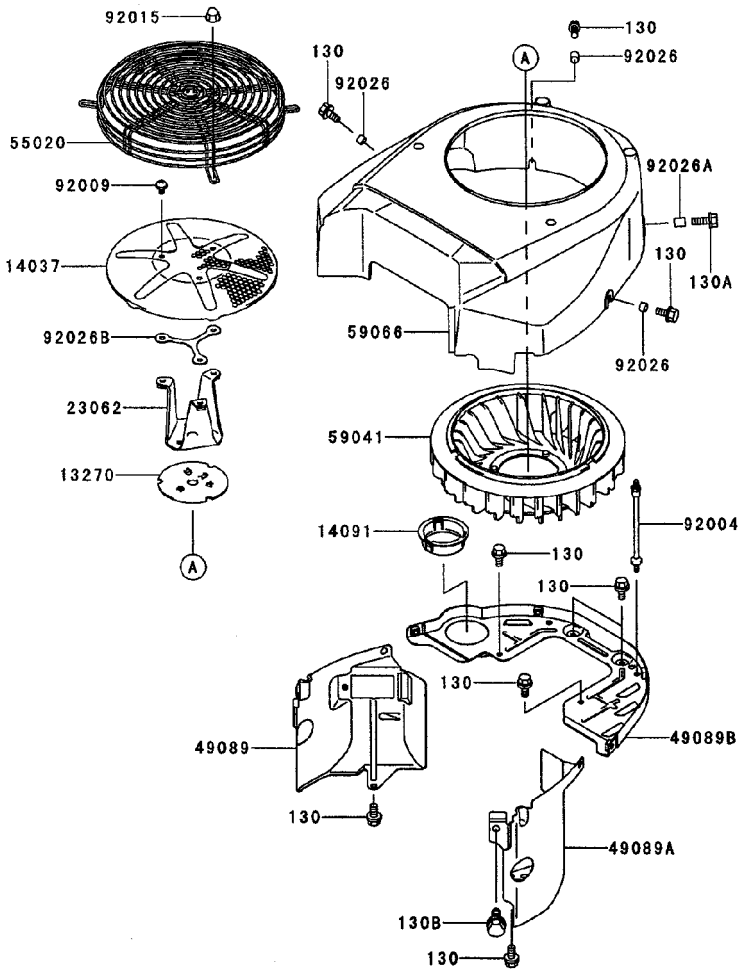


Valve/Camshaft Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
12004	12004-7002	2	Valve-Intake
12005	12005-7002	2	Valve-Exhaust
12009	12009-7001	4	Retainer-Valve Spring
12011	12011-2056	8	Collet
12016	12016-7006	4	Arm-Rocker
12032	12032-7001	4	Tappet
13070	13070-7003	2	Guide
13070A	13070-7004	1	Guide
13116	13116-7001	4	Rod-Push
13270	13270-7002	1	Plate
13271	13271-7007	1	Plate
42036	42036-7001	1	Sleeve
49078	49078-7002	4	Spring-Engine Valve
49118	49118-7003	1	Camshaft-Comp
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
92151	92151-7001	4	Bolt
92200	92200-7001	1	Washer

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

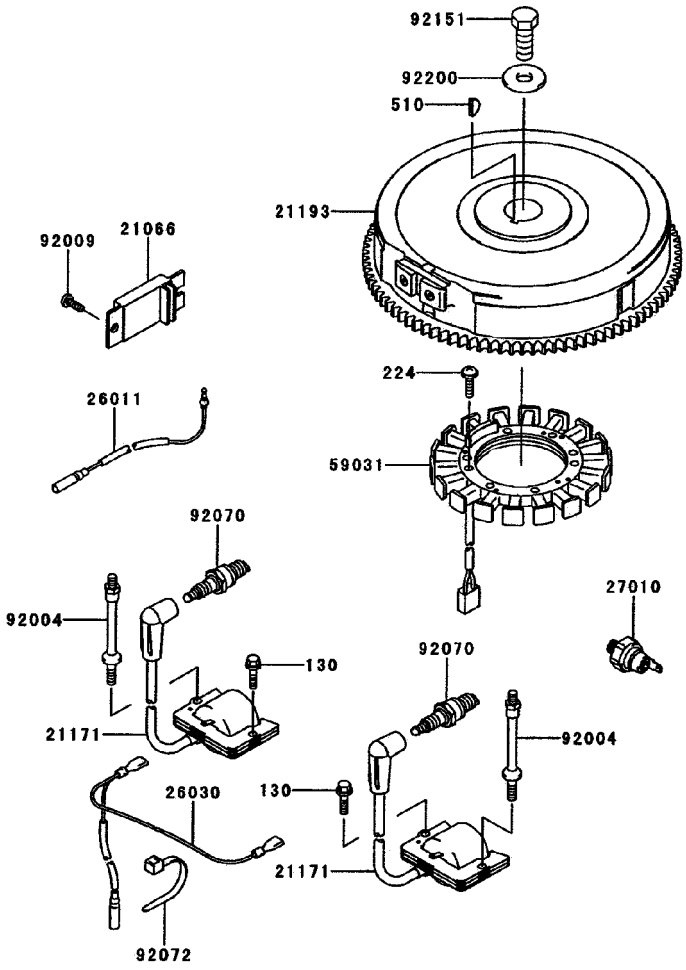


Cooling-Equipment Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
13270	13270-7007	1	Plate
14037	14037-7008-9H	1	Screen
14091	14091-7002	1	Cover
23062	23062-7005	1	Bracket-Comp
49089	49089-7004	1	Shroud-Engine
49089A	49089-7005	1	Shroud-Engine
49089B	49089-7006	1	Shroud-Engine
55020	55020-7002	1	Guard
59041	59041-7003	1	Fan
59066	59066-7004	1	Housing-Fan
92004	92004-2148	2	Stud
92009	92009-7008	3	Screw, 6x10
92015	92015-1170	4	Nut
92026	92026-7001	3	Spacer, 6.2x7.9x5
92026A	92026-7003	1	Spacer, 6.5x7.9x10.5
92026B	92026-7007	1	Spacer
130	130B0612	9	Bolt-Flanged
130A	130B0620	2	Bolt-Flanged
130B	130B0816	1	Bolt-Flanged

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

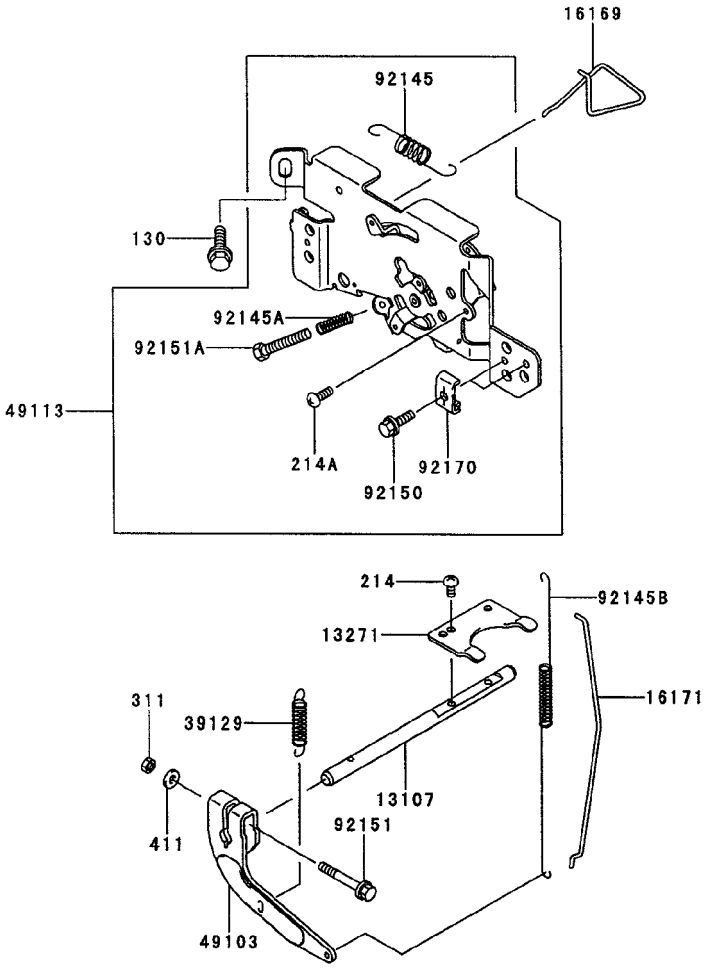


Electric-Equipment Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
21066	21066-7003	1	Regulator-Voltage
21171	21171-7001	2	Coil-Assy-Ignition
21193	21193-7002	1	Flywheel-Assy
26011	26011-7008	1	Wire-Lead
26030	26030-7002	1	Harness
27010	27010-7001	1	Switch
59031	59031-7001	1	Coil-Charging
92004	92004-2147	2	Stud
92009	92009-2308	1	Screw
92070	92070-7004	2	Plug-Spark,BPR4ES (NGK), Solid
92072	92072-7003	2	Band
92151	92151-2097	1	Bolt, 12x30
92200	92200-7002	1	Washer
130	130B0620	2	Bolt-Flanged
224	224B0520	4	Screw-Pan-WP-Cros
510	510A5100	1	Key-Woodruff

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

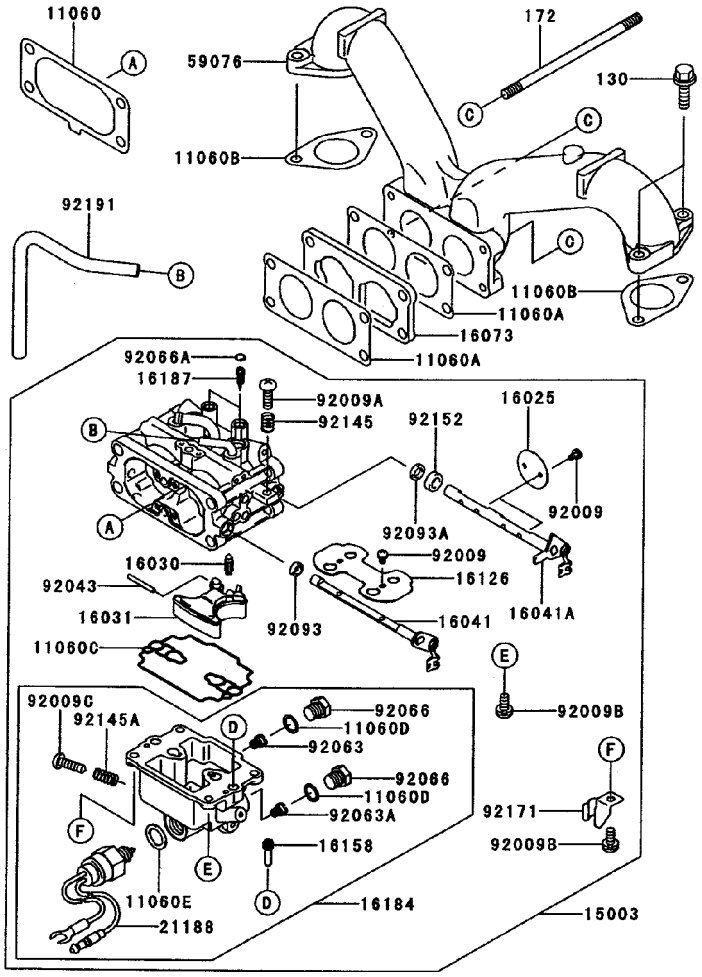


Control-Equipment Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
13107	13107-7011	1	Shaft
13271	13271-7018	1	Plate
16169	16169-7005	1	Link-Choke
16171	16171-7004	1	Link
39129	39129-7004	1	Spring-Governor
49103	49103-7002	1	Arm-Governor
49113	49113-7007	1	Panel-Comp-Control
92145	92145-7004	1	Spring
92145A	92145-7005	1	Spring
92145B	92145-7009	1	Spring
92150	92150-2182	2	Bolt, 5x18
92151	92151-7006	1	Bolt, 6x30
92151A	92151-7014	1	Bolt, 5x30
92170	92170-7001	2	Clamp
130	130B0612	2	Bolt-Flanged
214	214B0408	2	Screw-Pan
214A	214B0412	1	Screw-Pan
311	311B0600	1	Nut-Hex
411	411B0600	1	Washer-Plain

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

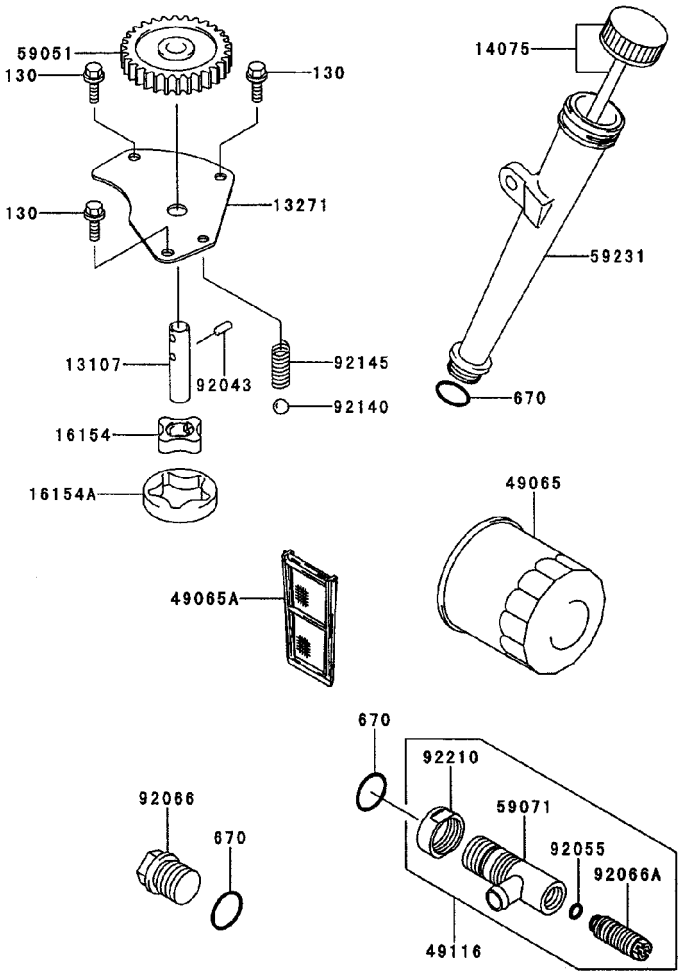


Carburetor Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
11060	11060-7009	1	Gasket, Air Filter
11060A	11060-7010	2	Gasket, Carburetor
11060B	11060-7011	2	Gasket
11060C	11060-7018	1	Gasket, Float Chamber
11060D	11060-7019	2	Gasket, Main Plug
11060E	11060-7020	1	Gasket, Solenoid
15003	15003-7022	1	Carburetor-Assy
16025	16025-7001	2	Valve-Throttle
16030	16030-7002	1	Valve-Float
16031	16031-7001	1	Float
16041	16041-7001	1	Shaft-Carburetor, Choke
16041A	16041-7004	1	Shaft-Carburetor Throttle
16073	16073-7003	1	Insulator
16126	16126-7004	1	Valve, Choke
16158	16158-7003	2	Jet-Slow, #56
16184	16184-7001	1	Chamber-Assy-Float
16187	16187-7002	2	Needle-Jet
21188	21188-7001	1	Solenoid
59076	59076-7002	1	Manifold-Intake
92009	92009-7003	6	Screw
92009A	92009-7004	1	Screw
92009B	92009-7005	4	Screw
92009C	92009-7006	1	Screw, Drain
92043	92043-7004	1	Pin-Float

Ref. No.	Part No.	Qty.	Description
92063	92063-7001	1	Jet-Main, #104
92063A	92063-7002	1	Jet-Main, #106
92066	92066-7008	2	Plug, Main Jet
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	92191-7010	1	Tube
130	130B0620	4	Bolt-Flanged
172	172G0105	2	Bolt-Stud

PROTOTYPE

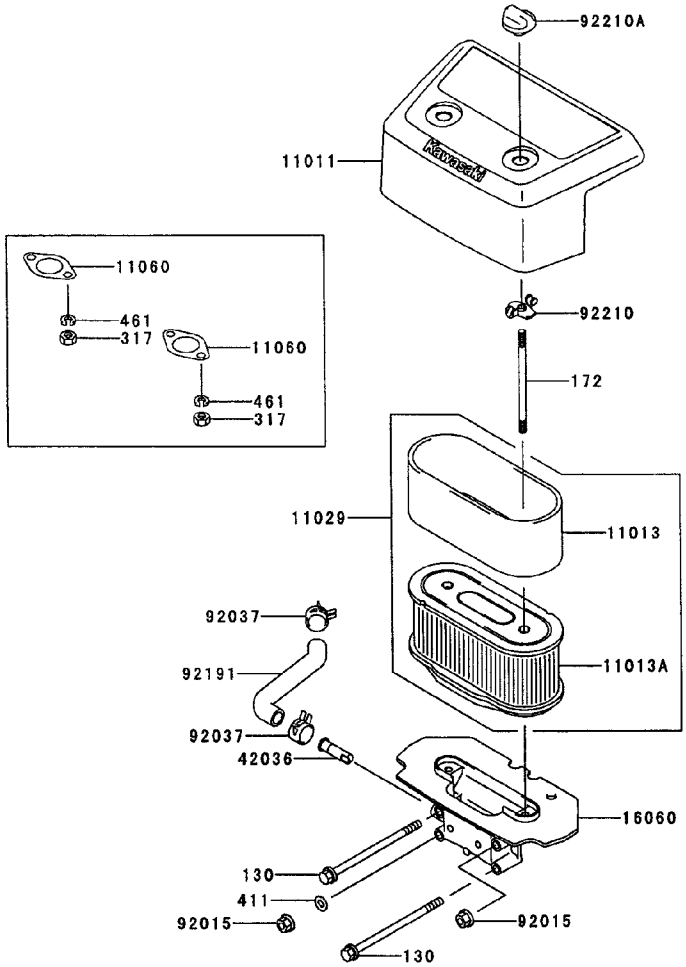


Lubrication-Equipment Assembly
Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
13107	13107-7009	1	Shaft, Oil Pump
13271	13271-7005	1	Plate
14075	14075-7002	1	Cap-Assy
16154	16154-2053	1	Rotor-Pump, In
16154A	16154-2054	1	Rotor-Pump, Out
49065	49065-2078	1	Filter-Oil
49065A	49065-7003	1	Filter-Oil
49116	49116-7001	1	Valve ASM
59051	59051-7004	1	Gear-Spur
59071	59071-7005	1	Joint
59231	59231-7002	1	Filler
92043	92043-7003	1	Pin
92055	92055-7002	1	O-Ring, 6mm
92066	92066-7003	1	Plug
92066A	92066-7007	1	Plug
92140	92140-7003	1	Ball
92145	92145-7002	1	Spring
92210	92210-7005	1	Nut-Nylon, 22mm
130	130B0612	3	Bolt-Flanged
670	670D2016	3	O-Ring

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

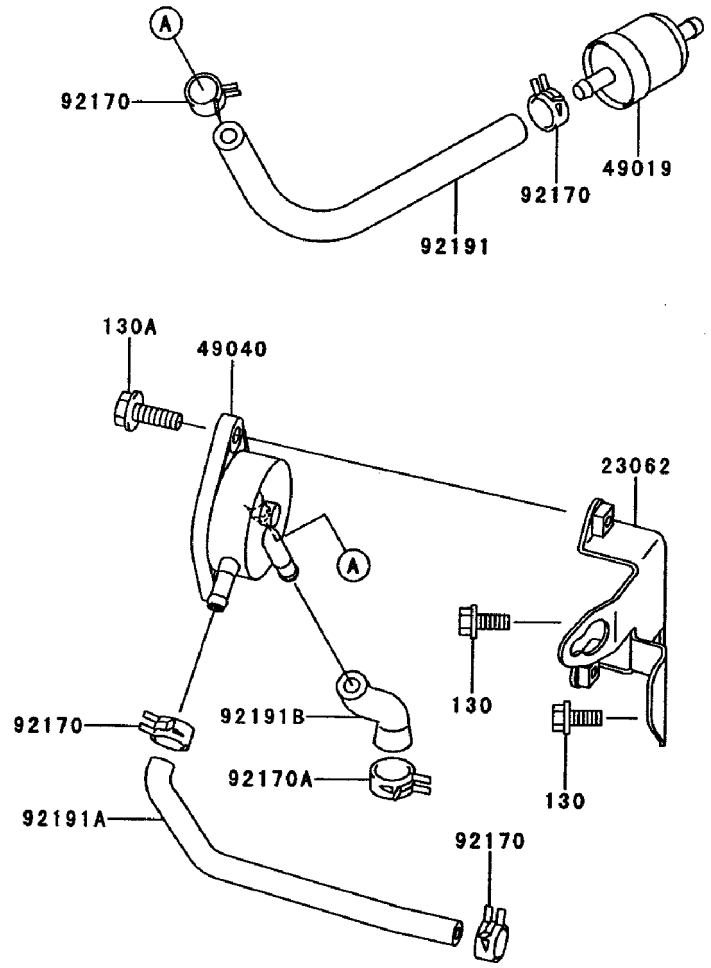


Air Filter/Muffler Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
11011	11011-7003	1	Case-Air Filter
11013	11013-7009	1	Element-Air Filter
11013A	11013-7010	1	Element-Air Filter
11029	11029-7002	1	Element-Assy-Air Filter
11060	11060-7016	2	Gasket, Muffler
16060	16060-7001	1	Pipe-Intake
42036	42036-7002	1	Sleeve
92015	92015-1193	2	Nut
92037	92037-2079	2	Clamp
92191	92191-7006	1	Tube
92210	92210-7004	2	Nut
92210A	92210-7008	2	Nut
130	130B06105	2	Bolt-Flanged
172	172G0690	2	Bolt-Stud
317	317R0800	4	Nut-Hex-Small
411	411B0600	1	Washer-Plain
461	461F0800	4	Washer-Spring

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

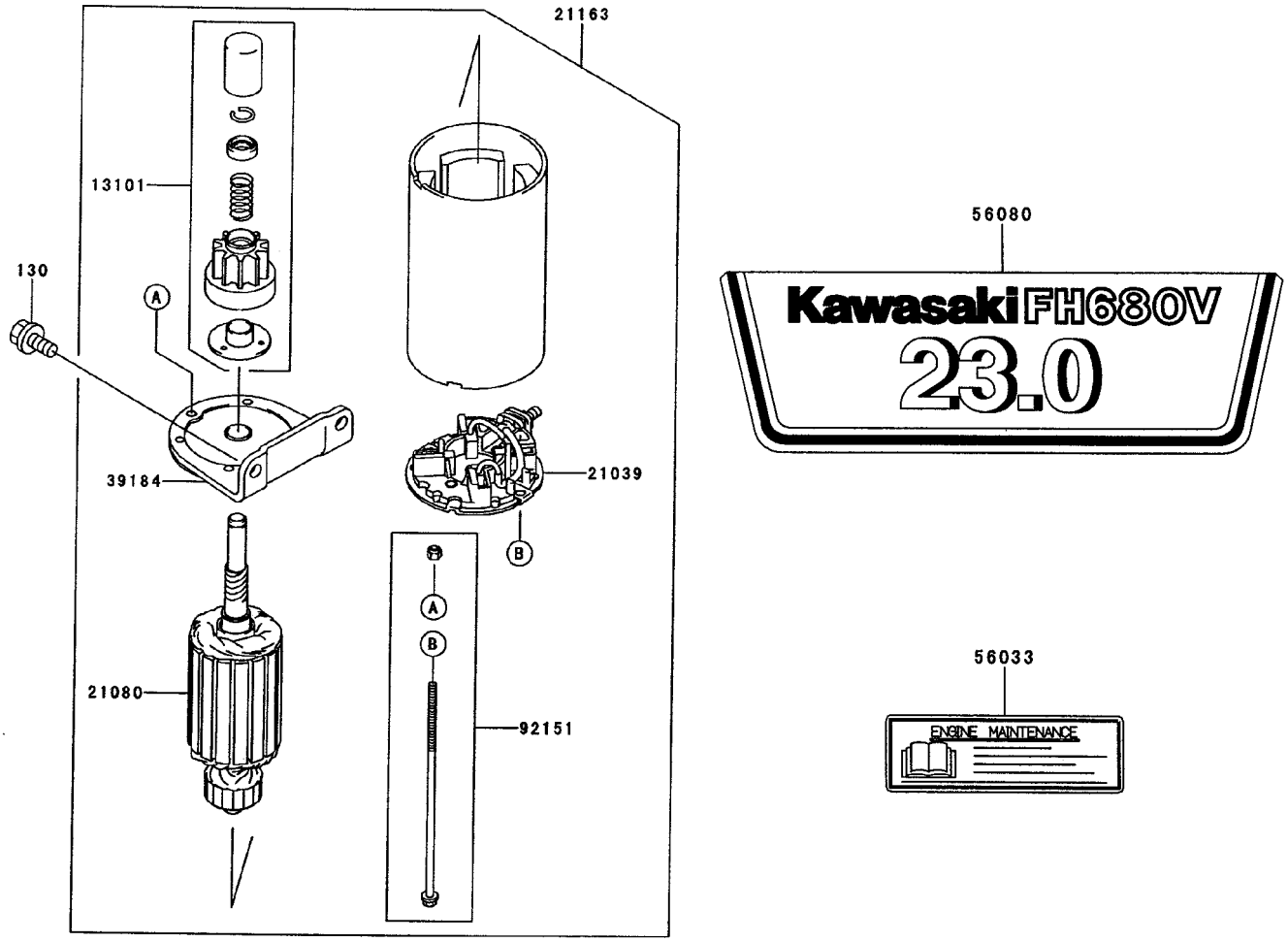


Fuel-Tank/Fuel Valve Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
23062	23062-7004-9H	1	Bracket-Comp
49019	49019-7001	1	Filter-Fuel
49040	49040-2075	1	Pump-Fuel
92170	92170-2088	4	Clamp
92170A	92170-7003	1	Clamp
92191	92191-7003	1	Tube
92191A	92191-7005	1	Tube,6.35x12.7x160
92191B	92191-7007	1	Tube
130	130B0616	2	Bolt-Flanged
130A	130B0620	2	Bolt-Flanged

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Starter/Decals Assembly Kawasaki FH680V-AS10

Ref. No.	Part No.	Qty.	Description
13101	13101-7001	1	Gear-Assy
21039	21039-7001	1	Brush
21080	21080-7001	1	Armature
21163	21163-7001	1	Starter-Electric
39184	39184-7001	1	Bracket-Assy
92151	92151-7013	1	Bolt
130	130B0816	1	Bolt-Flanged
56033	56033-7001	1	Decal-Manual
56080	56080-7009	1	Decal-Brand

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Maintenance Record

Date								

PROTOTYPE

Maintenance Record

Date								

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Maintenance Record

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