



Z-Master 250 Series

Z252L with 52" Side Discharge Mower

Model No. 74211—200000001 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.

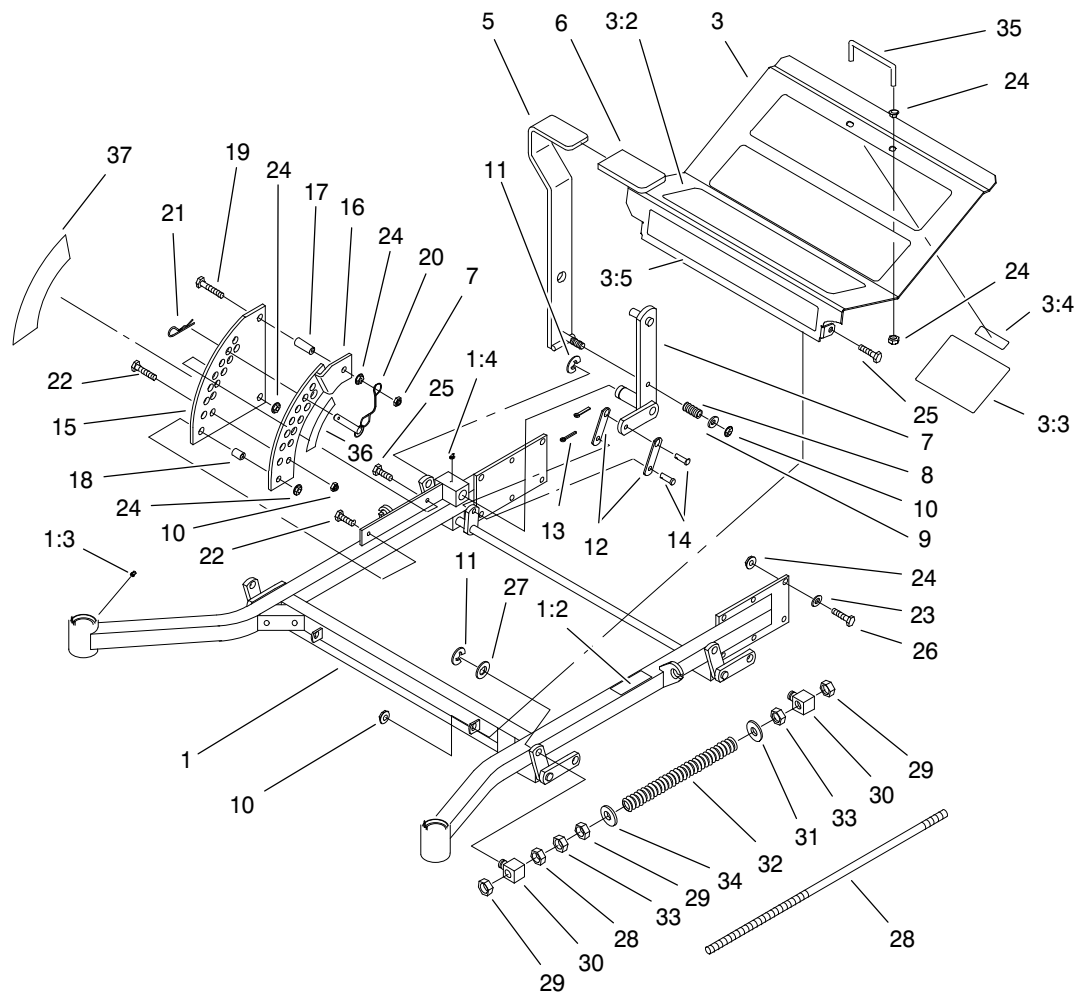
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

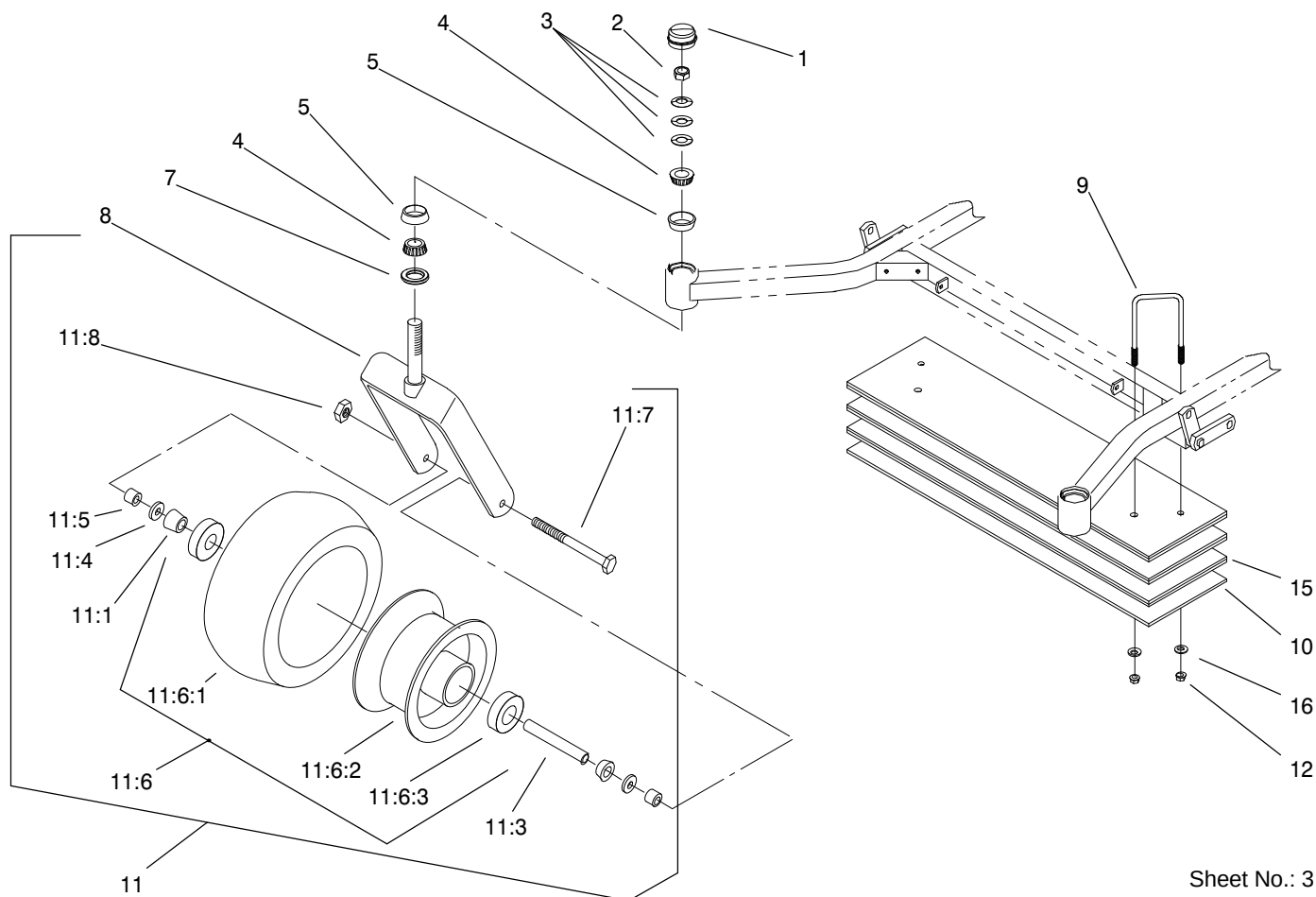
Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	INC	incorporated
ASM	assembly	LH	left hand
CARR	carriage	NI	nylon insert
DEG	degrees	PPH	Phillips pan head
FH	flat head	PTH	Phillips truss head
GA	gauge	PTO	power take off
HF	hex flange	RH	right hand
HH	hex head	SFH	slotted fillister head
HHF	hex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



Sheet No.: 2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	100-4305	1	Frame-Front 52"	22	323-9	2	Screw-HH
1:2	E633818	1	Decal	23	98-5975	12	Washer
1:3	E811010	2	Plug-Caster Swivel	24	3290-357	19	Nut-Lock Flange
1:4	320-19	5	Fitting - Grease	25	323-6	3	Screw-HH
3	99-4622	1	Floorpan ASM	26	323-7	12	Screw-HH
3:2	E633553	3	Pad - Antiskid	27	3256-29	4	Washer-Flat
3:3	E633766	1	Decal-Check	28	E633096	2	Rod-Deck Lift
3:4	98-5954	1	Decal-Cover Missing	29	3217-11	8	Nut-Hex
3:5	E633737	1	Decal- Z-Master	30	E633441	4	Swivel-Deck Mount
5	E632324	1	Lift Lever ASM	31	3256-7	2	Washer-Flat
6	E633295	1	Grip-Lift Lever	32	E653009	2	Spring-Lift Assist
7	E632219	1	Arm-Deck Lift	33	3218-6	4	Nut-Jam
8	E633325	1	Spring-Compression	34	3256-27	2	Washer-Flat
9	3256-24	1	Washer-Flat	35	E633587	1	Handle
10	3296-39	5	Nut-Lock, Ni	36	E633706	1	Decal-Deck Height
11	E808505	5	Ring-Snap	37	E633345	1	Decal-Deck Height
12	E633068	2	Arm-Deck Lift				
13	3272-10	2	Pin-Cotter				
14	E808284	2	Pin-Clevis				
15	E633889	1	Plate - Deck Lift				
16	E632899	1	Plate-Deck Lift				
17	E633082	1	Bushing-Lift Lever				
18	E633080	1	Bushing-Lift Lever				
19	323-13	1	Screw-HH				
20	E633097	1	Pin-Hitch w/Lanyard				
21	E806005	1	Hairpin				

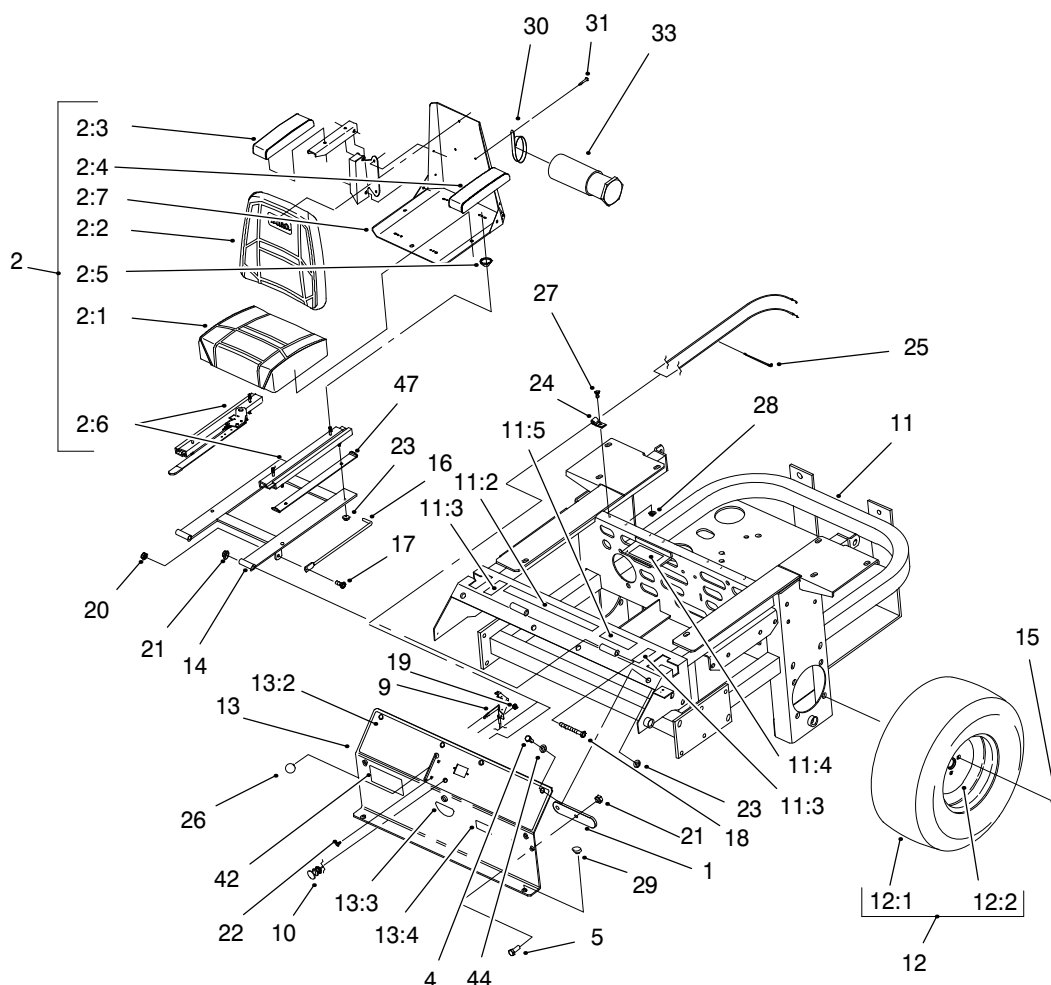


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Caster and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	E543513	2	Cap–Grease
2	32146–14	2	Locknut
3	E633508	6	Washer–Bellevue
4	254–94	4	Bearing–Taper/Cone
5	254–72	4	Bearing–Taper/Cup
7	E543511	2	Seal–Grease
8	E642111	2	Caster
9	100–2339	2	U–Bolt
10	100–2333–01	1	Bar – Weight
11	E644251	2	Caster Wheel ASM
11:1	254–78	2	Bearing–Roller, Cone
11:3	E633959	1	Spacer–Front Caster
11:4	E633580	2	Seal–Bearing
11:5	E633581	2	Spacer–Bearing
11:6	E633971	1	Wheel & Tire ASM
11:6:1	E523009	1	Tire
11:6:2	E633987	1	Wheel
11:6:3	254–79	2	Bearing–Roller, Cup
11:7	325–24	1	Screw–HH
11:8	3296–45	1	Nut–Lock Ni
12	3296–39	4	Nut–Lock, Ni
15	99–4646–01	3	Weight Bar ASM
16	3256–4	4	Washer–Flat

Ref. No.	Part No.	Qty.	Description

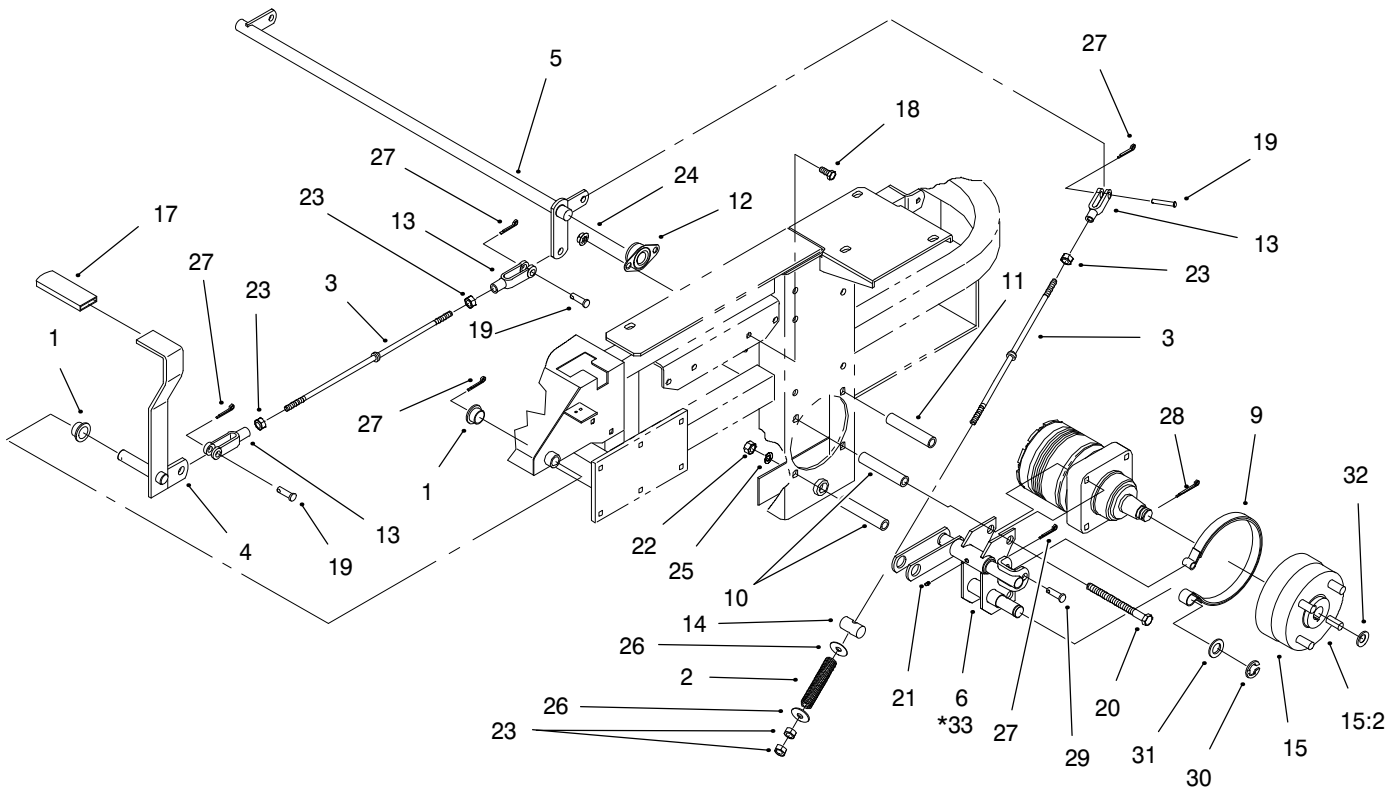


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Rear Frame and Wheel Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E633964	1	Stop – Park Brake	14	E632187	1	Frame–Seat
2	E633705	1	Seat ASM w/Armrest	15	E513011	1	Nut–Wheel
2:1	E543407	1	Cushion–Seat	16	E633293	1	Rod–Seat Holdup
2:2	E633709	1	Cushion–Backrest	17	322–5	1	Screw–HH
2:3	E633710	1	Armrest – RH	18	323–21	2	Screw–HH
2:4	E633711	1	Armrest – LH	19	3296–2	2	Nut–Lock
2:5	E543401	4	Spacer–Track	20	3296–41	1	Nut–Lock Ni
2:6	E643255	1	Track–Locking, 4"	21	3296–39	4	Nut–Lock, Ni
2:7	E633859	1	Frame–Seat	22	E807513	2	Bolt–CARR
4	322–3	8	Screw–HH	23	32128–20	12	Nut–HF
5	323–6	2	Screw–HH	24	E513762	1	Clip
9	E633696	1	Cable–Throttle	25	E303335	1	Tie–Plastic
10	E603336	1	Control–Choke, Push–Pull	26	E513592	1	Knob–Ball, Red
11	100–4261	1	Frame ASM–Rear	27	321–4	1	Screw–HH
11:2	E513747	1	Decal–Battery	28	32128–33	1	Nut–HF
11:3	E633354	2	Decal–Motion Control	29	E513658	2	Bumper–Catcher, Grass
11:4	E513929	1	Decal–Drive Release	30	2412–120	2	R Clamp
11:5	E643372	1	Decal Hazardous Mat.	31	32104–76	2	Screw–Acorn Slot
12	E653010	2	Wheel And Tire ASM	33	74–0720	1	Tube–Manual
12:1	E653160	1	Tire	42	99–4600	1	Decal – Z252I
12:2	E653158	1	Wheel	44	3256–23	6	Washer–Flat
13	99–4623	1	Console ASM	47	E633872	2	Spacer–Stop, Seat
13:2	99–4611	1	Decal–Control Panel				
13:3	E633346	1	Decal–Fuel Valve				
13:4	98–4387	1	Decal – Ear Protection				



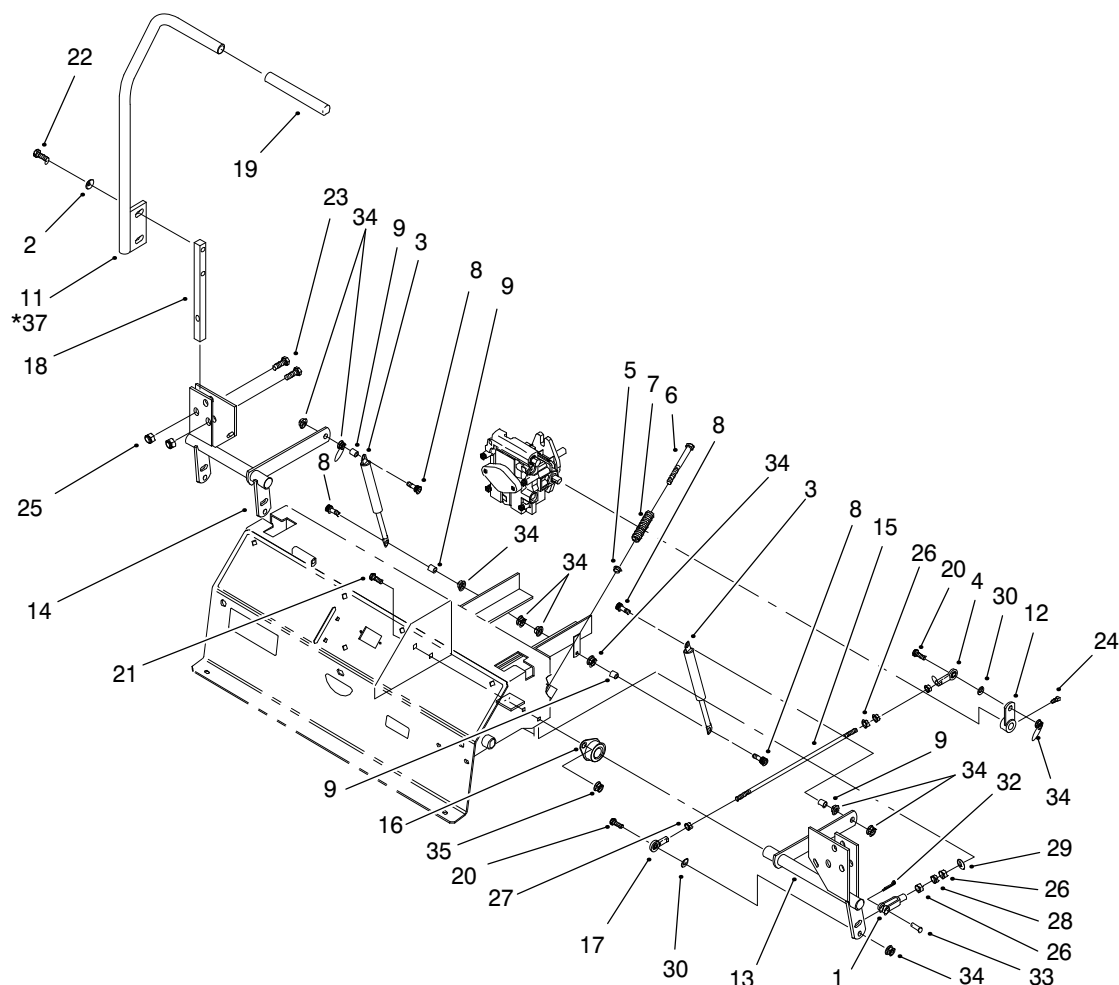
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Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description
1	E513140	2	Bearing, Control
2	E633454	2	Spring-Brake
3	E633477	3	Rod-Brake
4	E632489	1	Lever-Brakepoint
5	E632217	1	Shaft-Brake
6	E632714	1	Bracket-Brake, LH
9	E633693	2	Brake Band
10	E633380	4	Spacer-Short, Wheel
11	E633382	4	Spacer-Long, Wheel
12	E633102	2	Bearing-Side Flange
13	E633131	4	Yoke-Brake Linkage
14	E633144	2	Pin-Trunion
15	E634927	2	Hub And Drum ASM
15:2	E633926	4	Stud-Wheel
17	E633268	1	Grip-Brake Lever
18	323-4	4	Screw-HH
19	E808285	4	Pin-Clevis
20	325-17	8	Screw-HH
21	E811007	2	Fitting-Grease
22	3217-9	8	Nut-Hex
23	3219-3	8	Nut-Hex
24	3290-357	4	Nut-Lock Flange
25	3253-7	8	Washer-Lock/Sp
26	3256-4	4	Washer-Flat
27	3272-10	7	Pin-Cotter
28	E806800	2	Pin-Cotter

Ref. No.	Part No.	Qty.	Description
29	E808283	2	Pin-Clevis
30	E808514	2	Ring-Retaining
31	3256-28	2	Washer-Flat
32	E523157	2	Spacer
*33	E632715	1	Bracket-Brake, RH

* Not illustrated



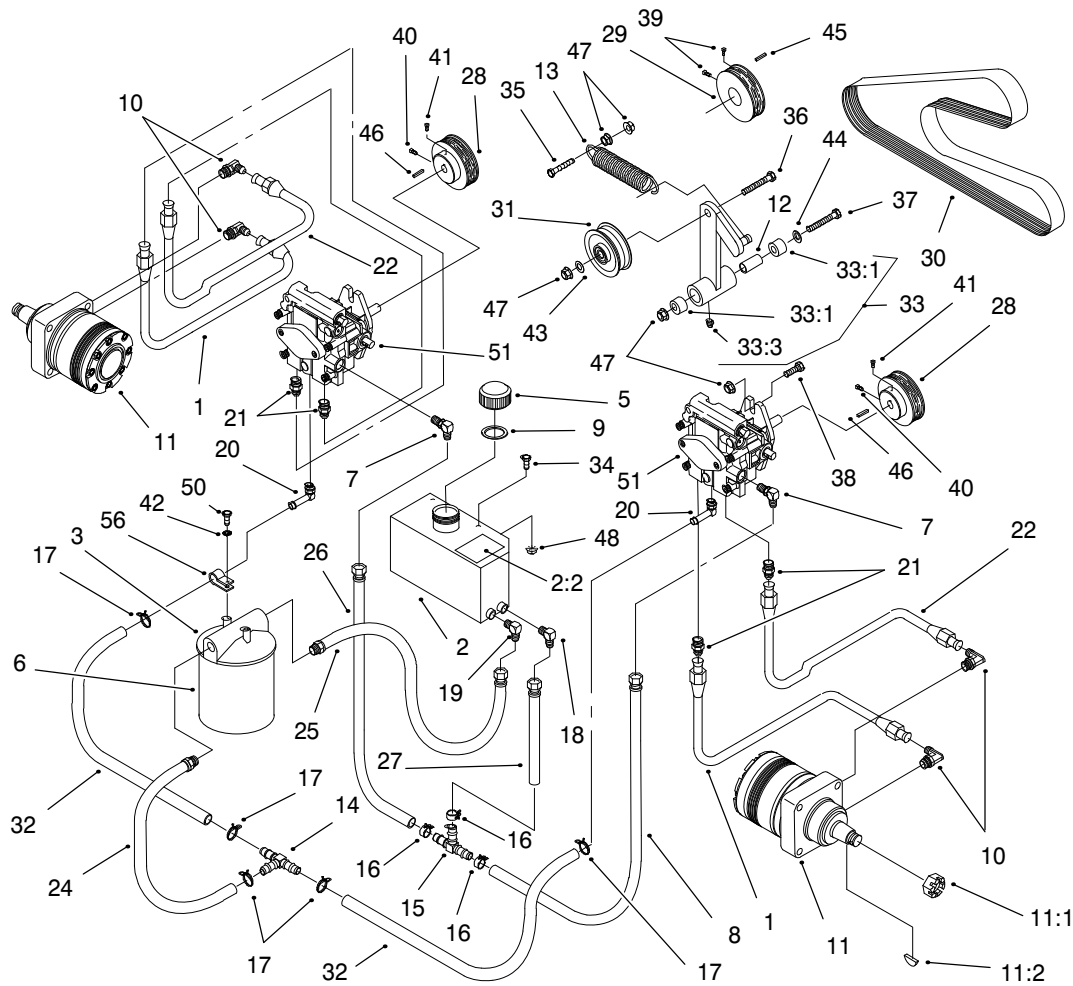
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Control Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	E303105	2	Yoke—Adjustable
2	98—5975	4	Washer
3	E523027	2	Damper—Control
4	E543017	2	Ball Joint
5	E603735	2	Bushing—Nylon Flanged
6	E603737	2	Bolt—Neutral Return
7	E603807	2	Spring—Neutral Return
8	E403180	4	Screw—HH
9	E653299	4	Spacer—Damper
11	E632193	1	Lever—RH
12	E632208	2	Arm—Pump Control
13	E642319	1	Motion Control, LH
14	E642320	1	Motion Control RH
15	E633153	2	Linkage
16	E633102	4	Bearing—Side Flange
17	E633152	2	Ball Joint—LH Thread
18	E633177	2	Arm
19	E633257	2	Grip—Motion Control
20	322—6	4	Screw—HH
21	323—4	8	Screw—HH
22	323—6	4	Screw—HH
23	323—9	6	Screw—HH
24	E803022	2	Screw
25	3296—39	6	Nut—Lock, Ni
26	3219—2	10	Nut—Hex

Ref. No.	Part No.	Qty.	Description
27	3220-20	2	Nut-Jam LH
28	3220-2	2	Nut-Jam
29	3256-2	2	Washer-Flat
30	3256-3	4	Washer-Flat
32	3272-5	2	Pin-Cotter
33	E808280	2	Pin-Clevis
34	32128-20	12	Nut-HF
35	3290-357	8	Nut-Lock Flange
*37	E632191	1	Lever-LH

* Not illustrated

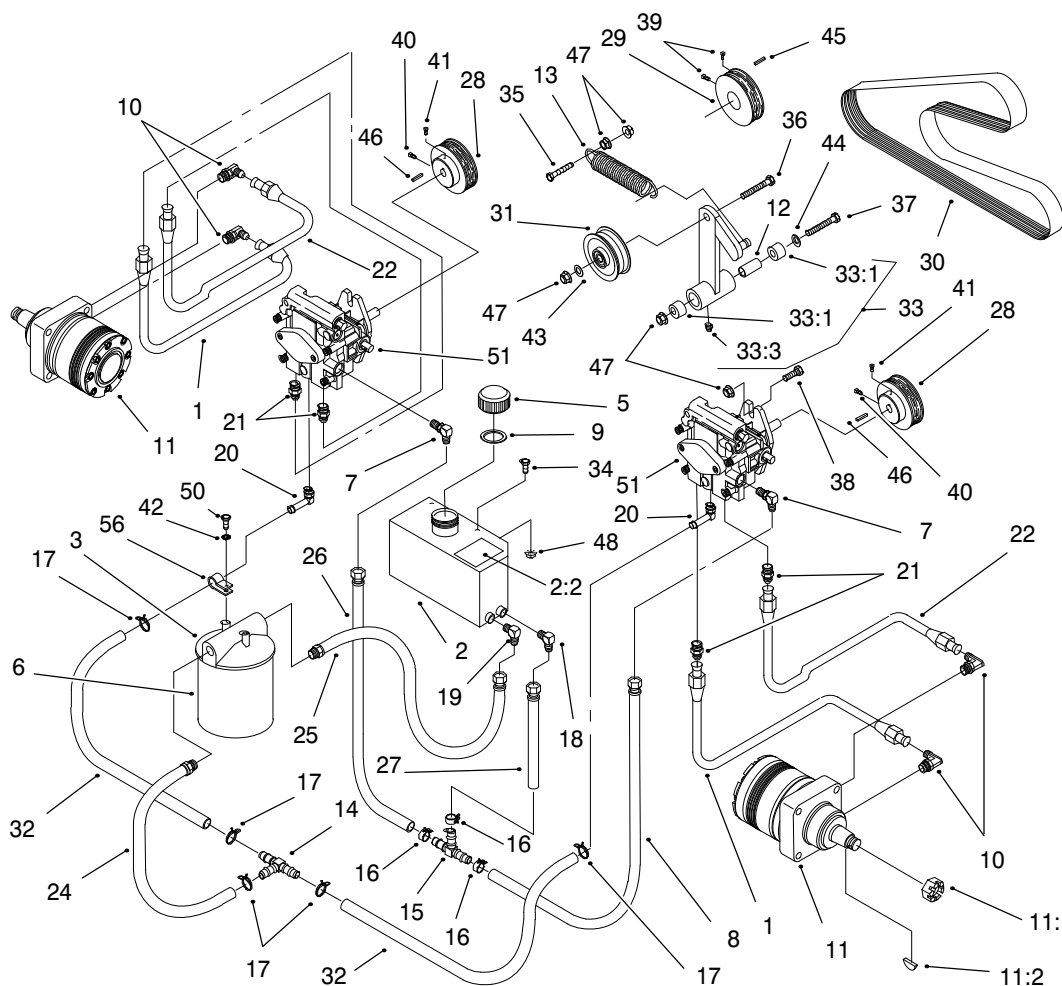


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Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	E633774	2	Hose-High Pressure
2	99-4625	1	Hydraulic Tank ASM
2:2	E523552	1	Decal - Hydraulic Tank, Hot Surface
3	E513006	1	Filter-Head
5	E513167	1	Cap-Hydraulic Reservoir
6	E633750	1	Filter-Hydro
6	E633752	1	Filter-Hydro, Winter
7	E513840	2	Elbow-90
8	E522217	1	Low Pressure Hose ASM
9	E523103	1	Gasket-Tank/Cap
10	E633786	4	Elbow 90°
11	E523328	2	Motor-Wheel
11:1	E809036	1	Nut-Castle
11:2	E807020	1	Woodruff-Key
12	E603384	1	Bushing-Idler Pivot
13	E603413	1	Spring-Extension
14	E603721	1	Fitting
15	E603722	1	Fitting
16	E603826	3	Clamp-Hose
17	E603827	5	Clamp-Hose
18	E603987	1	Elbow
19	E603988	1	Elbow
20	E603989	2	Elbow

Ref. No.	Part No.	Qty.	Description
21	E603990	4	Adapter
22	E633775	2	Hose-High Pressure
24	E632281	1	12" Low Pressure Hose ASM
25	E632282	1	13" Low Pressure Hose ASM
26	E632285	1	Hose-Low Pressure
27	E632286	1	Hose-Low Pressure
28	E633568	2	Sheave
29	E633567	1	Sheave
30	E633749	1	Belt
31	E633167	1	Pulley-Idler
32	E633335	2	Hose-Low Pressure
33	E634277	1	Arm ASM
33:1	E513034	2	Bearing-Pivot
33:3	E811008	1	Fitting-Grease
34	321-4	2	Screw-HH
35	323-8	1	Screw-HH
36	323-9	1	Screw-HH
37	E800805	1	Screw-HH
38	323-7	4	Screw-HH
39	E803022	2	Screw
40	3242-6	2	Screw-SQH Set
41	3242-4	2	Screw-SQH Set
42	3253-3	2	Washer-Lock/Sp
43	3256-3	1	Washer-Flat



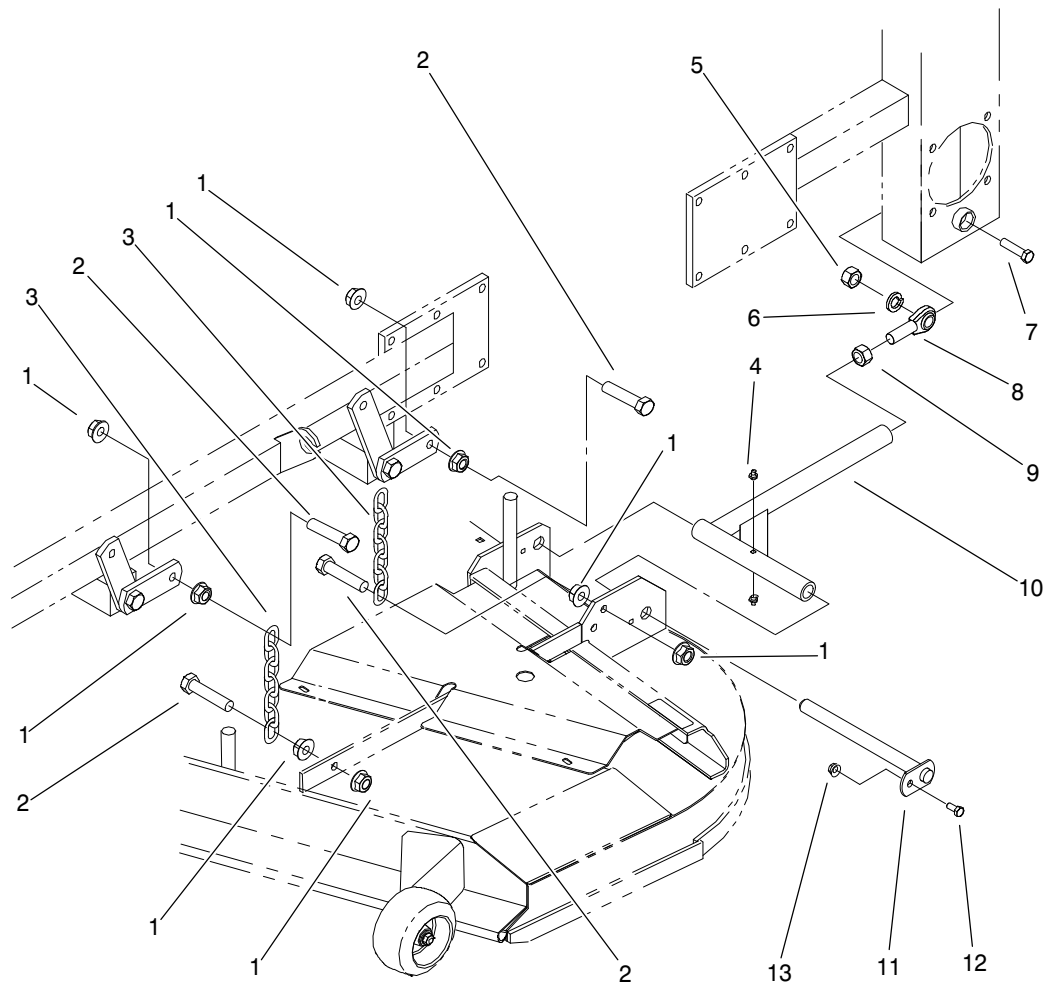
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Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
44	3256-4	1	Washer-Flat
45	13-2840	1	Square Key
46	E807272	2	Key
47	3290-357	8	Nut-Lock Flange
48	32128-33	2	Nut-HF
50	321-3	2	Screw-HH
*51	80-6130	1	Overhaul Seal Kit
51	E603841	2	Pump-Hydro
56	E513762	1	Clip

Ref. No.	Part No.	Qty.	Description

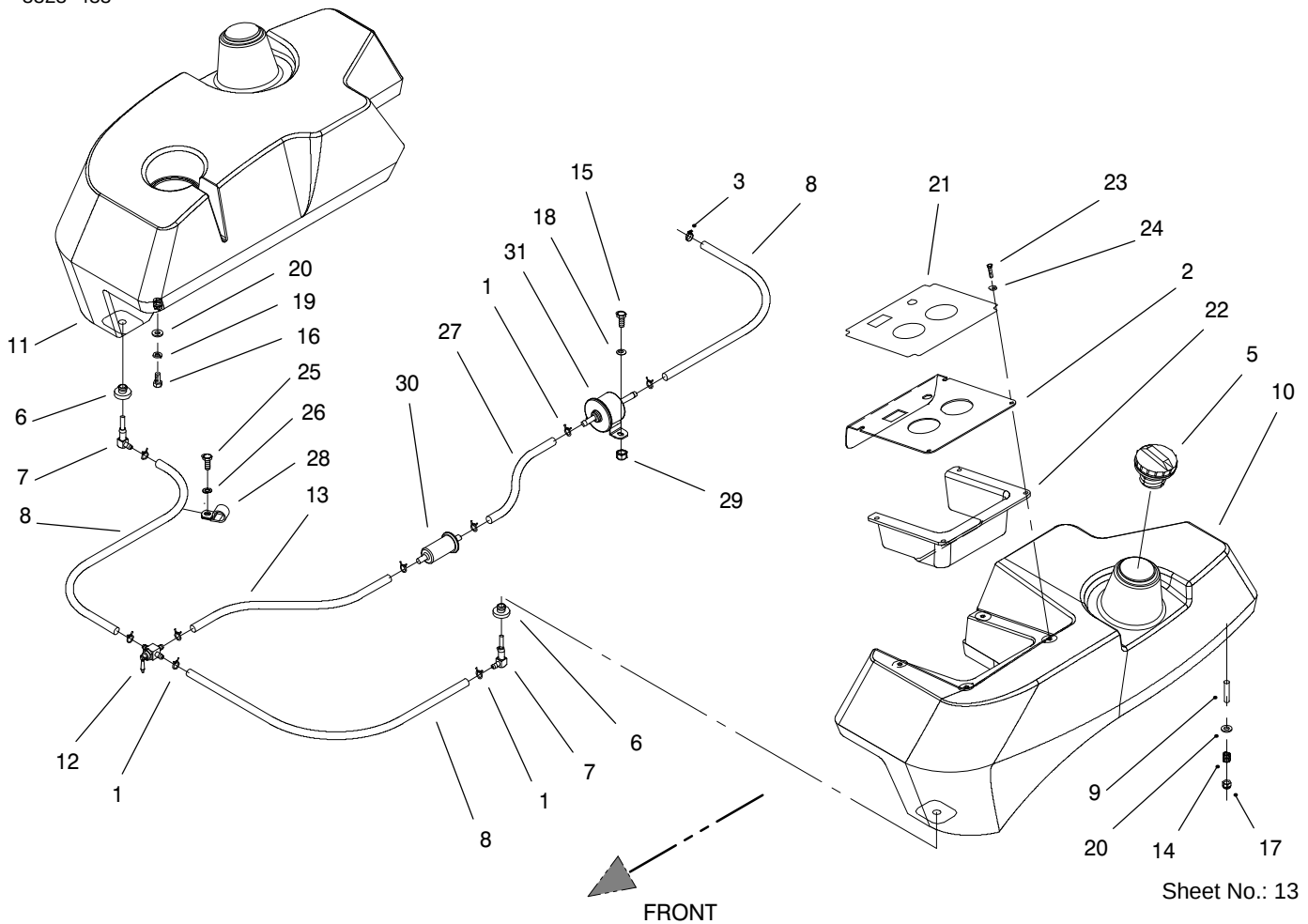
* Not illustrated



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Frame and Deck Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32128-37	16	Nut-Hex Flange				
2	324-6	8	Screw-HH				
3	E633447	4	Chain - Deck Lift				
4	302-19	4	Fitting - Grease				
5	3217-11	2	Nut-Hex				
6	3253-8	2	Washer-Lock/Sp				
7	327-11	2	Screw-HH				
8	E633029	2	End-Rod, Spherical				
9	3219-6	2	Nut-Hex				
10	E632690	2	Strut				
11	E632199	2	Pin-Deck Strut				
12	322-3	2	Screw-HH				
13	3296-41	2	Nut-Lock Ni				

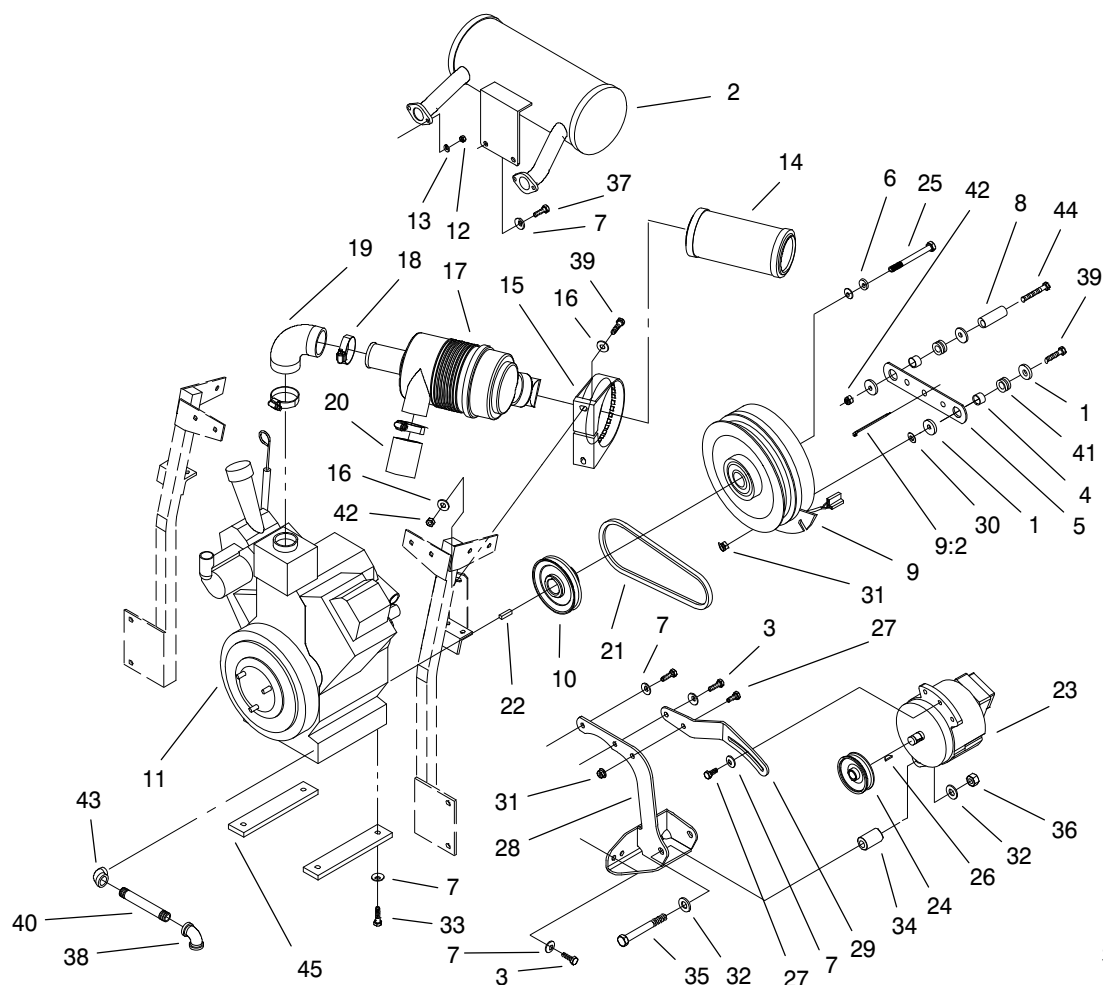


Tank and Fuel Lines Assembly

Ref. No.	Part No.	Qty.	Description
1	E303077	9	Clamp – Gas Line
2	99-4617	1	Panel – Control
3	E303308	1	Clamp – Fuel Line
5	93-3101	2	Cap–Fuel
6	E513645	2	Bushing–Valve, Fuel
7	E543277	2	Elbow–Fuel Tank
8	E543456	3	Fuel Line – 21.5
9	E633023	6	Stud
10	99-4608	1	Tank – LH Fuel
11	99-4607	1	Tank – RH Fuel
12	E633347	1	Valve–Fuel Line
13	E303426	1	Fuel Line
14	E633349	6	Spring–Fuel Tank
15	321-4	2	Screw–HH
16	322-3	4	Screw–HH
17	3296-47	6	Nut–Lock Ni
18	3256-2	2	Washer–Flat
19	3253-4	4	Washer–Lock/Sp
20	3256-23	10	Washer–Flat
21	99-4612	1	Decal–Control Panel
22	99-4940	1	Shield–Control Panel
23	E803071	4	Screw
24	E303435	4	Washer–Bellevue
25	321-3	1	Screw–HH
26	3253-3	1	Washer–Lock/Sp
27	E643270	1	Fuel Line

Ref. No.	Part No.	Qty.	Description
28	E513762	1	Clip
29	32128-33	2	Nut–HF
‡30	49019-1055	1	Kawasaki Fuel Filter
‡31	49040-2065	1	Kawasaki Fuel Pump

‡ Obtain locally.

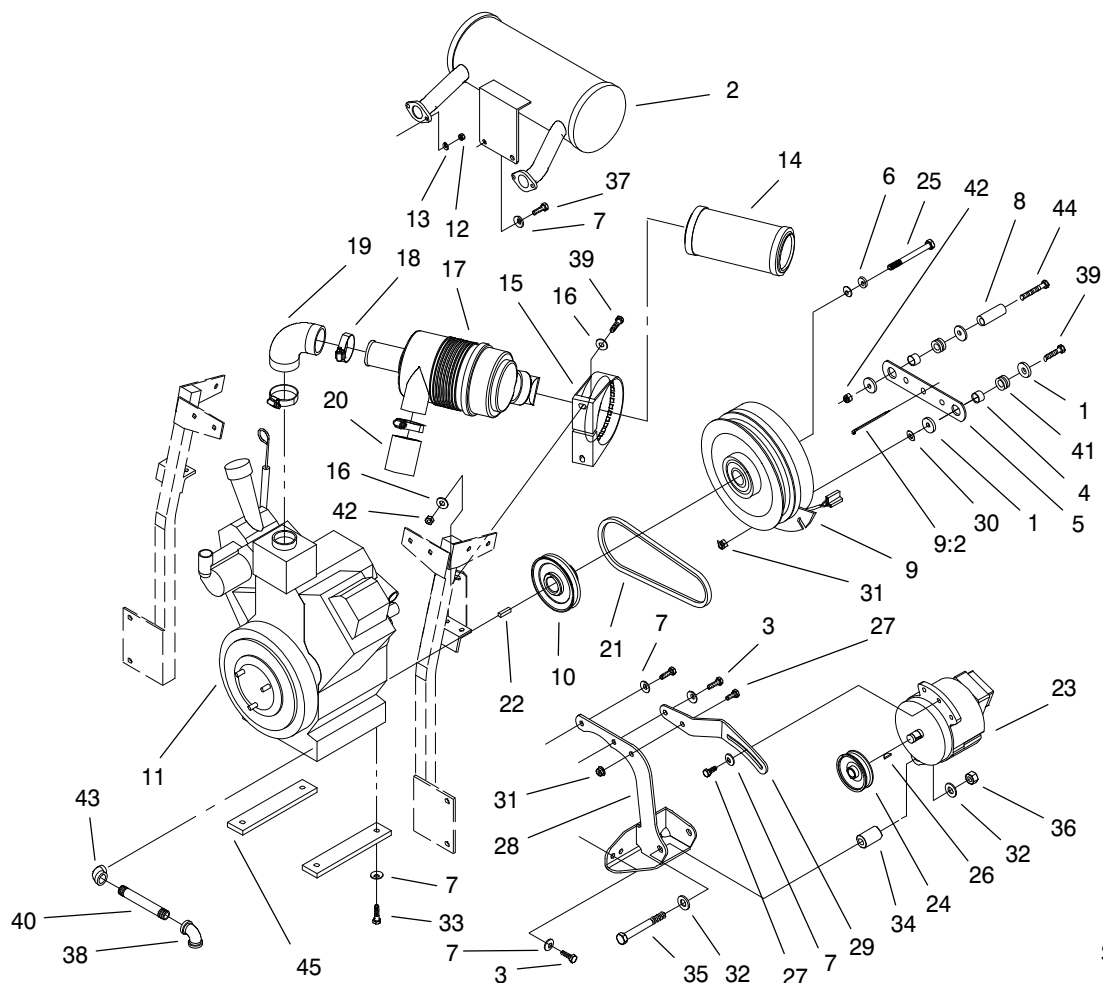


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Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E613235	4	Washer	19	E643083	1	Hose-Air Cleaner
2	E633832	1	Muffler	20	E643084	1	Hose - Inlet, Air
3	E809072	4	Screw-HH	21	E643309	1	Belt
4	E633545	2	Spacer-Grommet	22	E807259	1	Key
5	E633543	1	Strap-Clutch/Brake	23	E633881	1	Alternator
6	E603610	2	Washer - Spring, Disc	*23:1	E643158	1	Regulator - Alternator
7	E303334	11	Washer-Disc Spring	*23:2	E643159	1	Brushes - Alternator
8	E643008	1	Spacer - Anchor, Clutch	24	E633882	1	Sheave - Alternator
9	E631732	1	Clutch	25	E809096	1	Screw - HH
9:2	E303335	1	Tie-Plastic	26	E807004	1	Key
10	E633841	1	Sheave/Hub ASM	27	322-3	1	Screw-HH
11	E633892	1	Engine-Kawasaki FD661D	28	E632835	1	Bracket - Alternator
12	33013-00	4	Nut-Hex	29	E633838	1	Arm-Tension, Alt.
13	3253-3	4	Washer-Lock/Sp	30	3256-3	1	Washer-Flat
14	93-2195	1	Filter	31	32128-20	2	Nut-HF
15	95-5806	1	Bracket - Mounting, Air Cleaner	32	3256-26	2	Washer-Flat
16	3256-3	4	Washer-Flat	33	E809018	4	Screw - HH
17	95-5805	1	Air Cleaner ASM	34	E633839	1	Spacer
*17:2	93-2195	1	Filter	35	325-17	1	Screw-HH
*17:3	94-3652	1	Cover ASM	36	32146-13	2	Nut-Eslok
*17:3:1	E643283	2	Latch-Cleaner, Air	37	E809026	2	Screw - HH
*17:4	87-9400	1	Valve-Vacuator	38	E303428	1	Elbow
18	E643009	3	Clamp - Hose	39	322-6	3	Screw-HH
				40	E643167	1	Nipple
				41	E633630	2	Grommet
				42	3296-41	3	Nut-Lock Ni

* Not illustrated

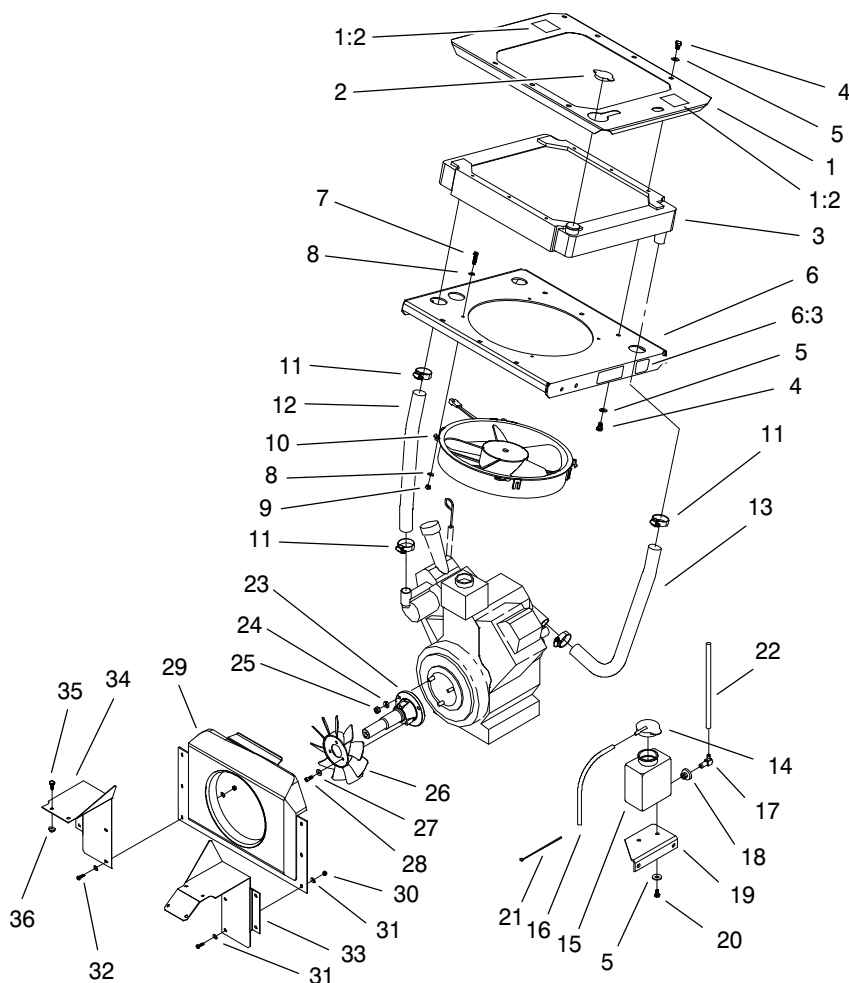


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Engine Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
43	E403124	1	Elbow – Street
44	322–38	1	Screw–HH
45	E643007	2	Spacer – Engine

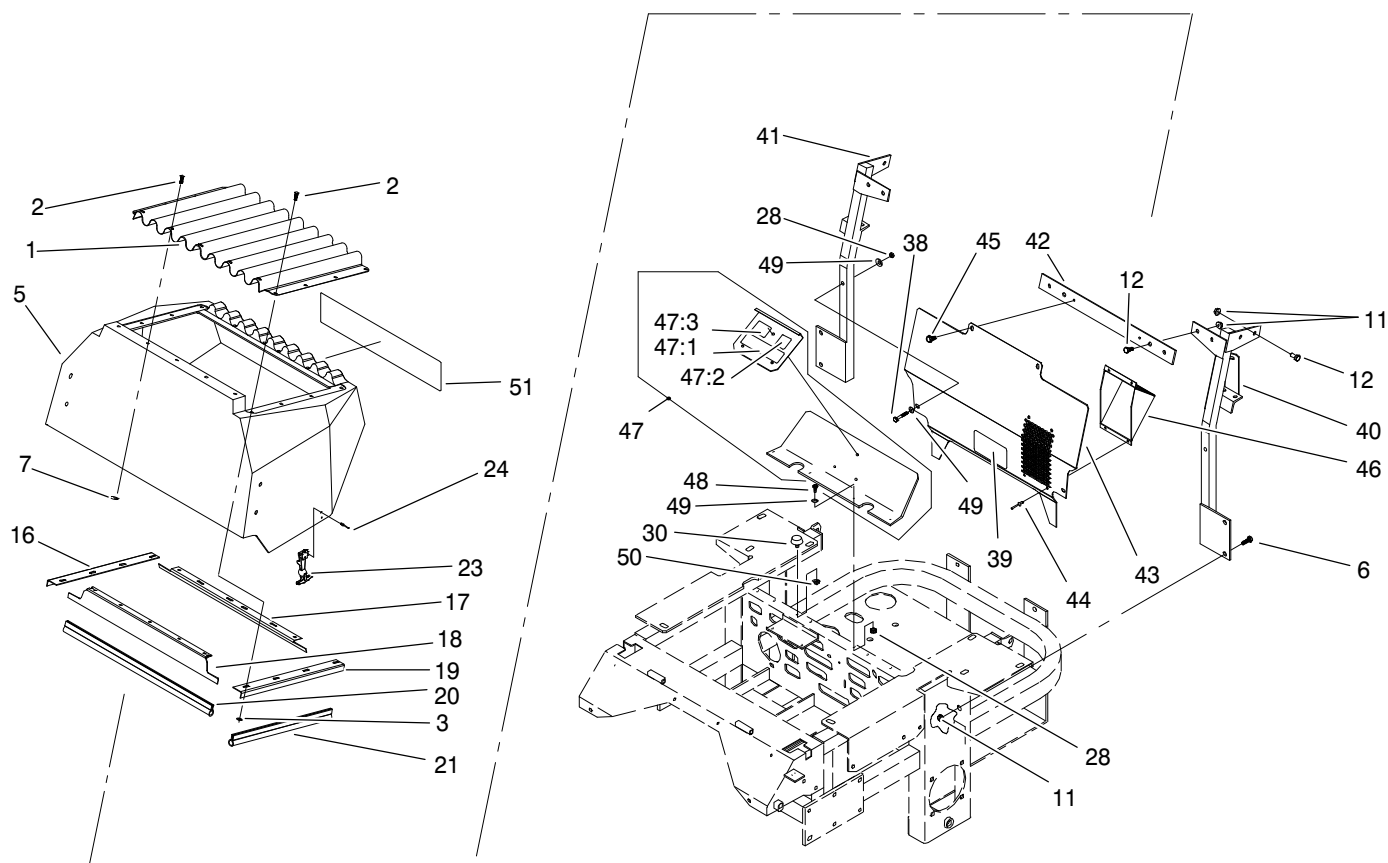
Ref. No.	Part No.	Qty.	Description



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Engine Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-4645	1	Radiator Trim Plate ASM	22	E643129	1	Hose
1:2	65-2690	2	Decal-Hot Surface	23	E633851	1	Extension-Crankshaft
2	E643161	1	Cap - Radiator	24	3253-4	3	Washer-Lock/Sp
3	E641327	1	Radiator ASM	25	33014-00	3	Nut-Hex
4	322-1	12	Screw-HH	26	E633869	1	Fan - Cooling, Pump
5	3256-23	14	Washer-Flat	27	3256-22	3	Washer-Flat
6	99-4644	1	Fan Mounting Plate ASM	28	E809095	3	Screw - HSH
6:3	65-2690	2	Decal-Hot Surface	29	E633854	1	Shroud - Cooling Fan, Pump
7	E803067	4	Screw	30	3296-2	6	Nut-Lock
8	E805254	8	Washer - Flat	31	3256-14	12	Washer-Flat
9	E804254	4	Nut-HH Ni	32	E803028	6	Screw
10	E633831	1	Fan ASM-High Profile	33	E643143	1	Shield - LH
11	E633989	4	Clamp - Hose	34	E633794	1	Shield - RH
12	E633894	1	Hose - Inlet, Radiator	35	321-4	6	Screw-HH
13	E633895	1	Hose - Return, Radiator	36	32128-33	6	Nut-HF
14	E643164	1	Cap - Tank, Overflow				
15	E643163	1	Tank - Overflow				
16	E643131	1	Hose				
17	E643259	1	Elbow - 90 Degree				
18	E513645	1	Bushing-Valve, Fuel				
19	E643024	1	Bracket - Bottle				
20	321-2	2	Screw-HH				
21	E303287	3	Tie-Plastic				

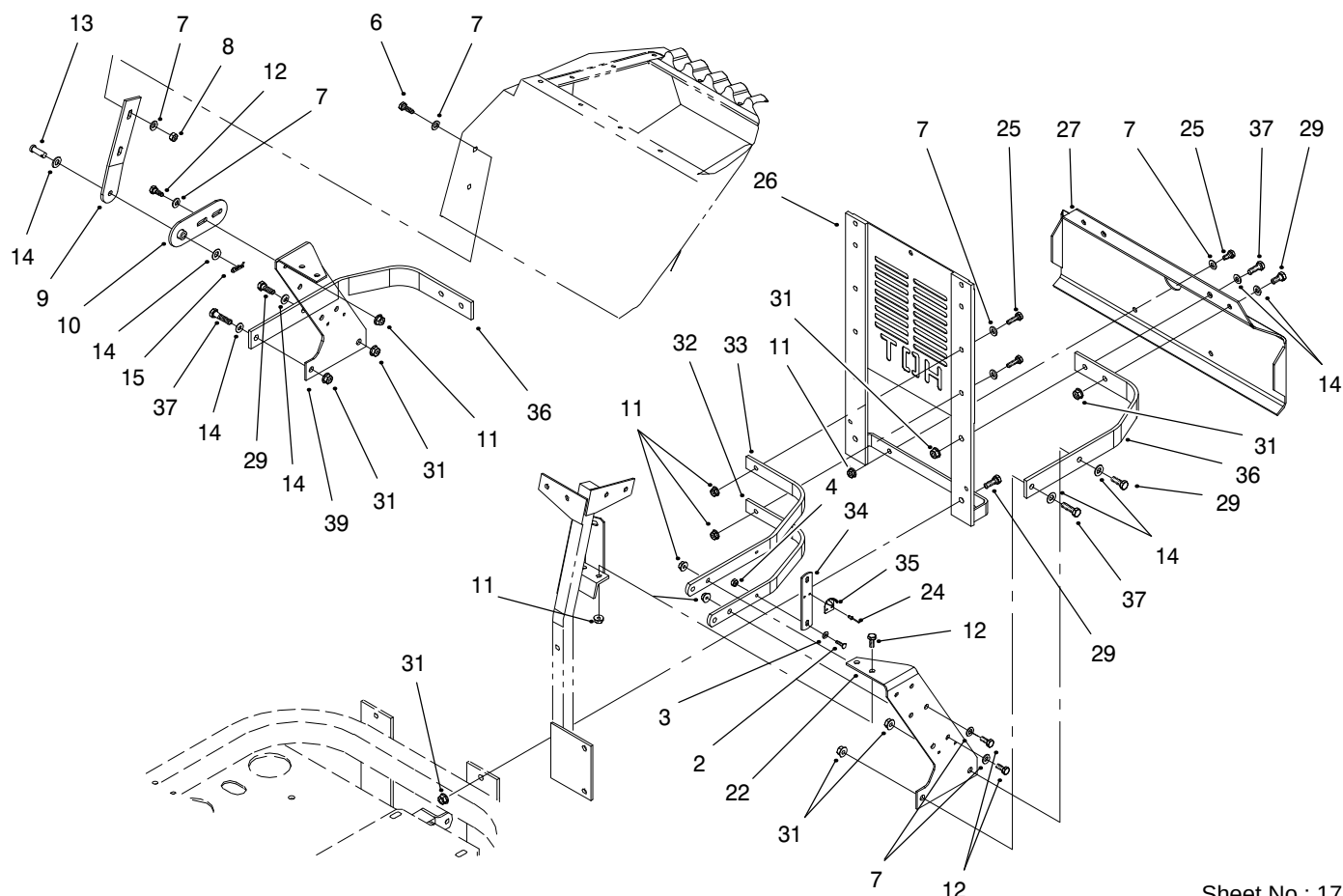


Sheet No.: 16

Rear Hood Assembly

Ref. No.	Part No.	Qty.	Description
1	E633864	1	Screen – Intake, Radiator
2	E803072	17	Rivet
3	3256-14	12	Washer-Flat
5	E633858	1	Hood – Engine
6	322-4	4	Screw-HH
7	E303435	5	Washer-Bellevue
11	32128-20	12	Nut-HF
12	322-3	8	Screw-HH
16	E643106	1	Angle – Trim, Radiator
17	E643108	1	Angle – Trim, Radiator
18	E643107	1	Angle – Trim, Radiator
19	E643105	1	Angle – Trim, Radiator
20	E643187	2	Seal – Trim
21	E643186	2	Seal – Trim
23	E643188	2	Latch – Rubber
24	E803056	4	Rivet
28	32146-17	6	Nut-Lock
30	E523420	2	Bumper
38	321-9	2	Screw-HH
39	E643339	1	Decal-Belt Routing
40	E632984	1	Radiator Brace ASM, LH
41	E632985	1	Radiator Brace ASM, RH
42	E633878	1	Crossbar

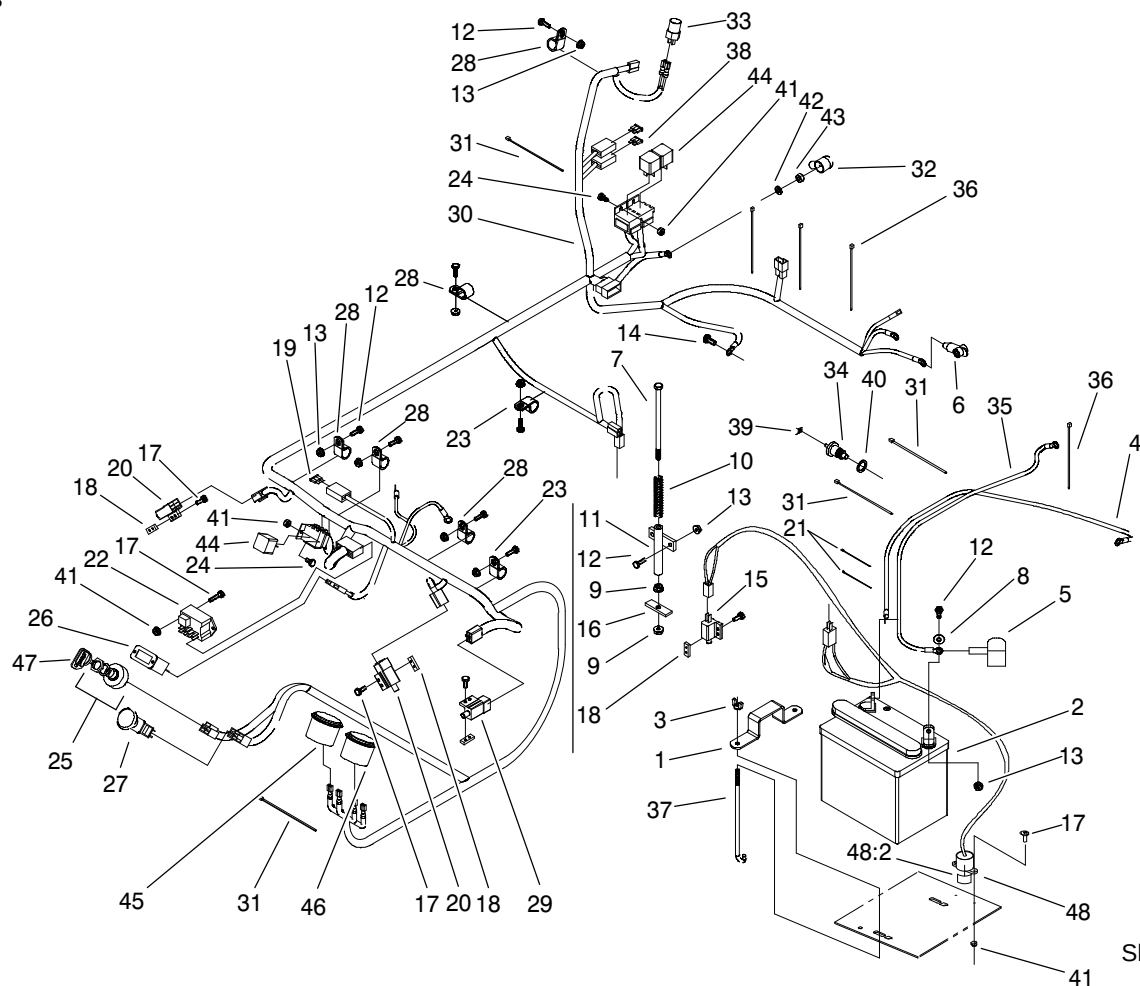
Ref. No.	Part No.	Qty.	Description
43	E643087	1	Deflector – Air
44	E803010	4	Rivet – Pop
45	E809086	2	Screw – Tapping
46	E643096	1	Plenum – Intake, Air
47	E644276	1	Shield ASM
47:1	E643252	1	Decal – Drive, Belt
47:2	E513748	1	Decal-Guard
47:3	E633462	1	Decal-Important
48	321-4	4	Screw-HH
49	E805256	6	Washer – Flat
50	32128-33	2	Nut-HF
51	99-4621	1	Decal-Z Master Liquid Cooled



Sheet No.: 17

Rear Bumper Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	E803069	4	Screw – HSBH	35	E643189	2	Keeper – Latch, Rubber
3	3256-14	4	Washer-Flat	36	E633896	2	Bar – Frame, Radiator Mount
4	3296-2	4	Nut-Lock	37	323-7	4	Screw-HH
6	322-4	4	Screw-HH	39	E633901	1	Plate – Mount, Radiator
7	3256-23	25	Washer-Flat				
8	3296-41	4	Nut-Lock Ni				
9	E633885	2	Plate – Hinge, Hood				
10	E632986	2	Shackle Hinge ASM				
11	32128-20	25	Nut-HF				
12	322-3	16	Screw-HH				
13	E808285	2	Pin-Clevis				
14	3256-24	12	Washer-Flat				
15	E806003	2	Pin-Hair Cotter				
22	E633900	1	Plate – Mount, Radiator				
24	E803056	4	Rivet				
25	322-5	9	Screw-HH				
26	E632873	1	Rear Radiator Mount ASM				
27	E633886	1	Bumper – Rear				
29	323-6	6	Screw-HH				
31	3290-357	10	Nut-Lock Flange				
32	E633897	2	Rib – Top				
33	E633898	2	Rib – Bottom				
34	E633877	2	Bar – Hook, Latch				

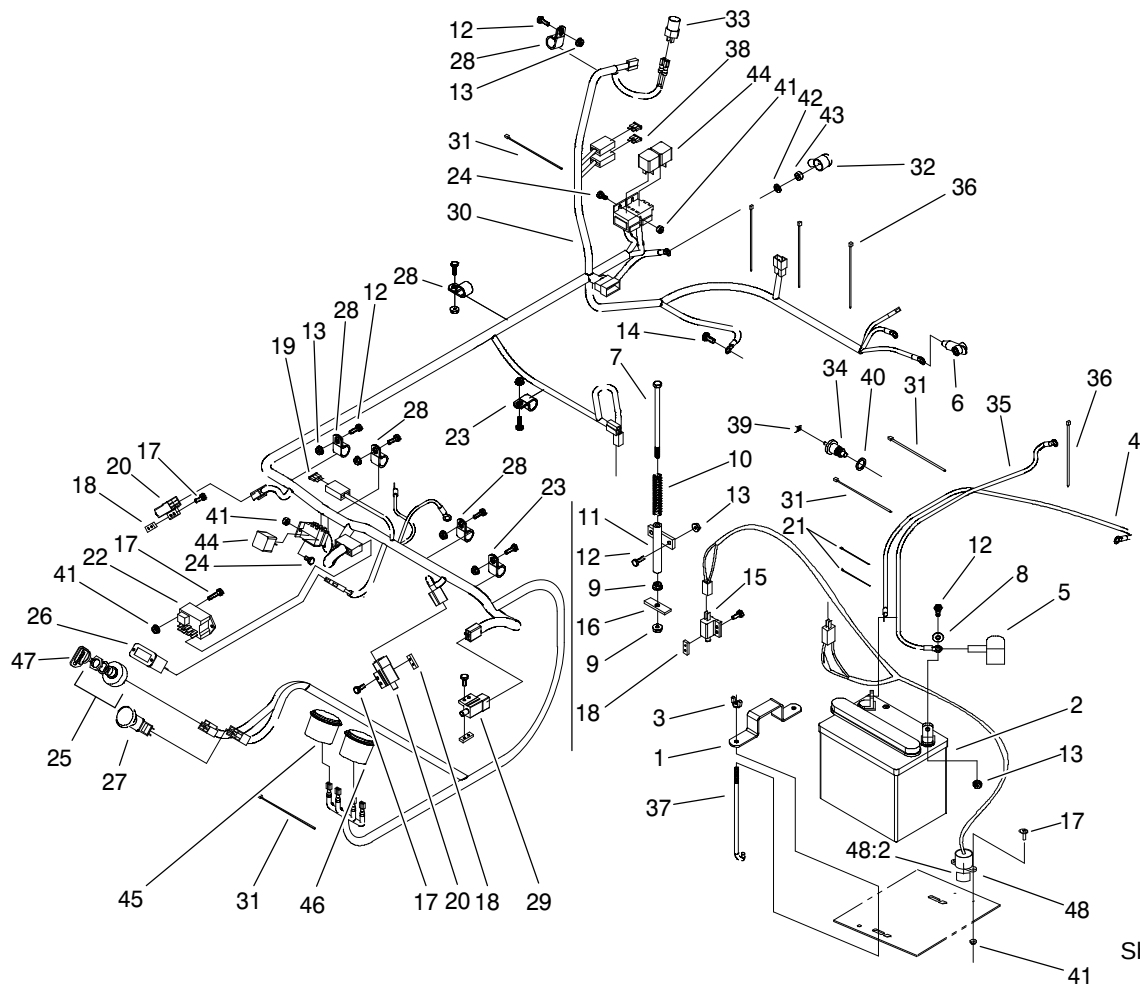


Sheet No.: 18

Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	E633652	1	Strap-Battery Hold Down
2	E603479	1	Battery-12v
3	E543792	2	Wingnut-Nyloc
4	E633307	1	Wire-Ground
5	E543391	1	Insulator-Battery
6	E643178	1	Cap - Insulator, Alternator
7	E800282	1	Screw-HH
8	3256-2	2	Washer-Flat
9	32128-20	2	Nut-HF
10	E523415	1	Spring-Switch, Seat
11	E522424	1	Spring Mount
12	321-4	11	Screw-HH
13	32128-33	11	Nut-HF
14	E809026	1	Screw - HH
15	E513152	1	Switch-Seat
16	E513180	1	Actuator - Switch, Seat
17	E803028	12	Screw
18	E633181	4	Plate-Tapped
19	E816001	1	Fuse-Blade Type 20 Amp
20	E633111	2	Switch-Drive Lever
21	E303287	6	Tie-Plastic

Ref. No.	Part No.	Qty.	Description
22	E633856	1	Module - Interlock, Ignition
23	E513762	2	Clip
24	E803071	3	Screw
25	E543070	1	Switch-Ignition
26	E513374	1	Meter-Engine Hours
27	E633673	1	Switch-PTO
28	E633396	5	Clip - Loom
29	E633110	1	Switch-Brake
30	E643205	1	Harness - Wiring, Toro
31	E303335	4	Tie-Plastic
32	E543393	1	Insulator-Solenoid
33	E633833	1	Switch - Fan, Thermal
34	E643036	1	Sender Unit - Temperature
35	E523279	1	Cable - Battery
36	E643115	3	Tie - Plastic
37	E633651	2	Bolt-Battery Hold Down
38	E816003	2	Fuse - 30 Amp
39	E643145	1	Tab
40	E643153	1	Washer - Sender Gasket, Aluminum
41	3296-2	6	Nut-Lock
42	3253-4	1	Washer-Lock/Sp
43	33014-00	1	Nut-Hex

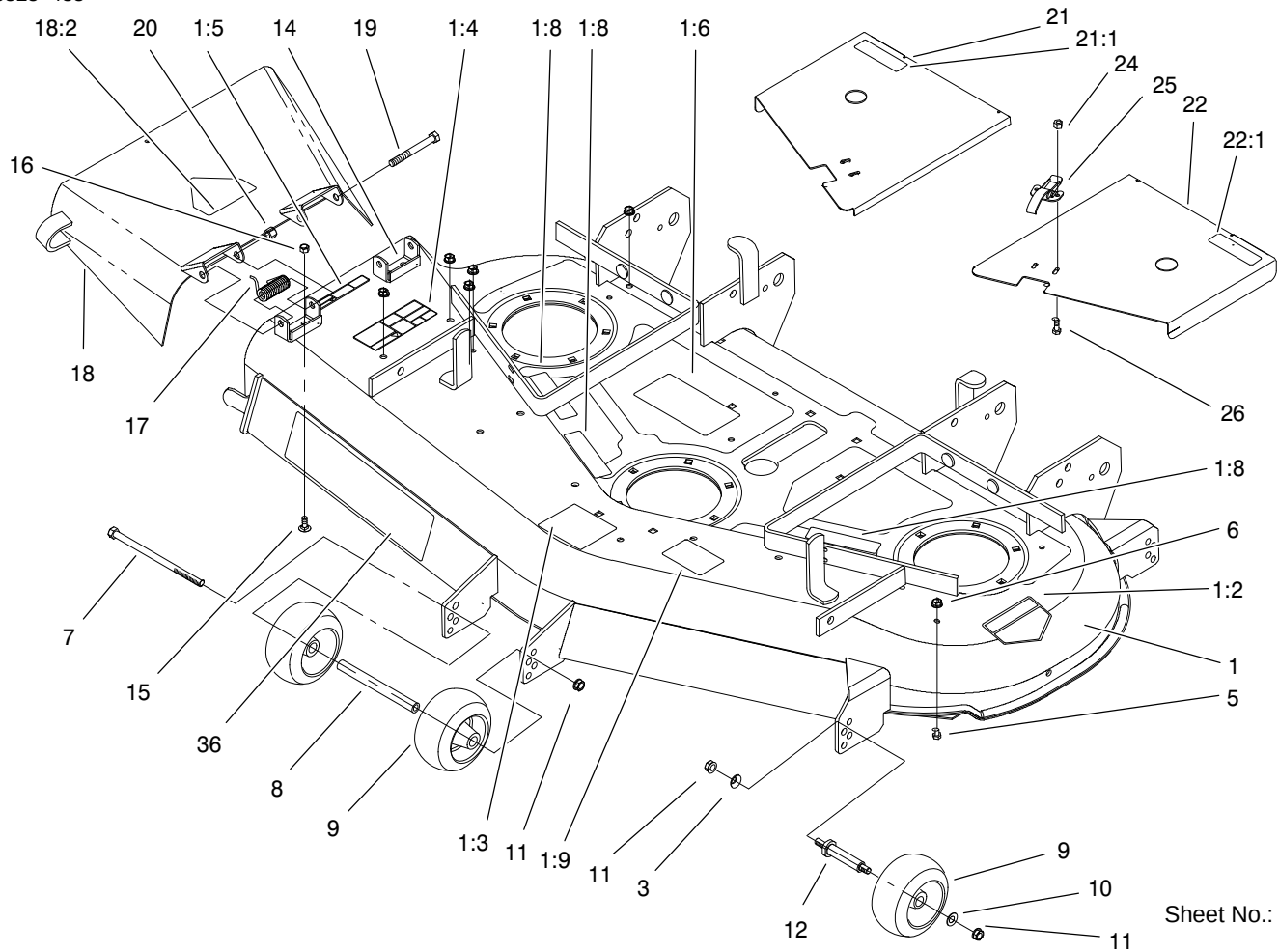


Sheet No.: 18

Electrical Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
44	E643275	3	Relay
45	E643037	1	Gauge – Voltmeter
46	E643021	1	Gauge – Temperature
47	63-8360	2	Key-Ignition w/Shield
48	E644427	1	Switch-Tilt
48:2	E643401	1	Decal-Mercury Switch

Ref. No.	Part No.	Qty.	Description

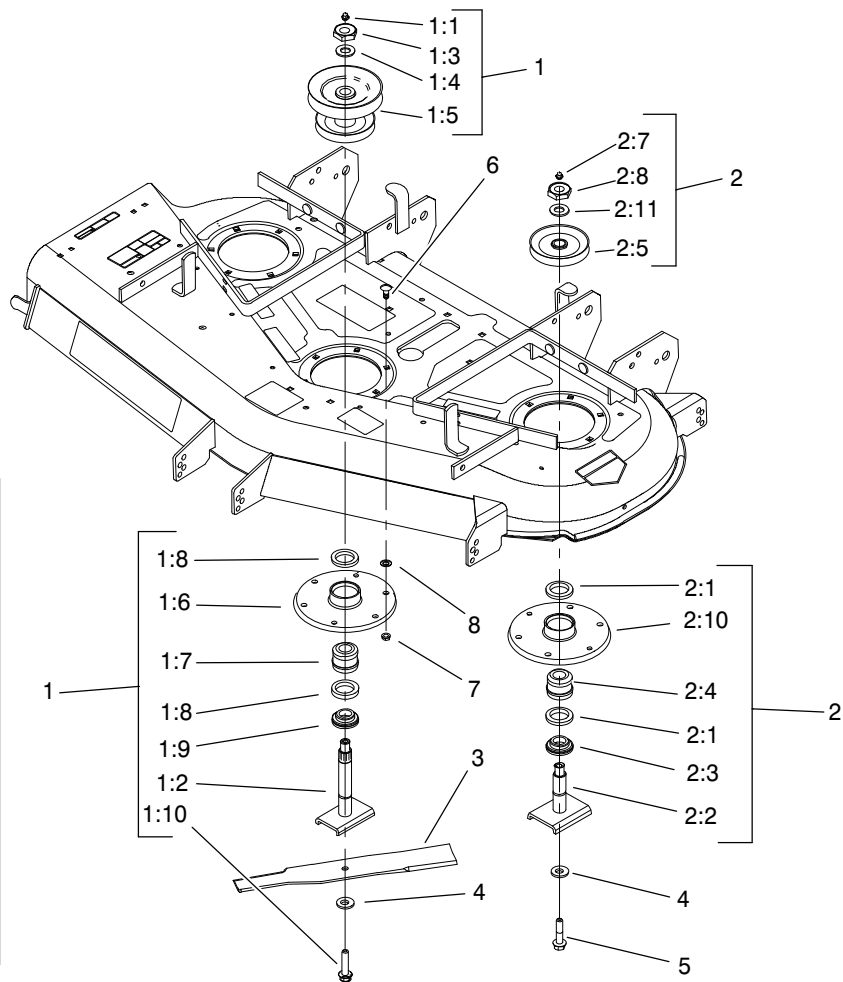
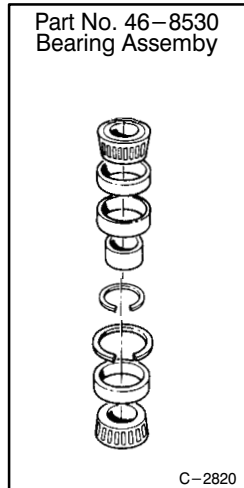


Sheet No.: 22

Deck, Deflector and Roller Assembly

Ref. No.	Part No.	Qty.	Description
1	100-4266	1	52" Deck ASM
1:2	43-8480	1	Decal-Danger
1:3	98-3798	1	Decal-Gage Wheel
1:4	66-1340	1	Decal-Danger
1:5	66-6380	1	Decal-Danger
1:6	98-3799	1	Decal-Belt Routing
1:8	98-5954	3	Decal-Cover Missing
1:9	93-7818	1	Decal-Blade Bolt
			Torque
3	98-5975	3	Washer
5	321-1	6	Screw-HH
6	32128-33	6	Nut-HF
7	323-28	1	Screw-HH
8	98-5967	1	Spacer-Wheel
9	68-2730	5	Wheel-Gage
10	E373034	3	Washer-Swivel
11	3290-357	7	Nut-Lock Flange
12	99-2842	3	Spacer-Wheel
14	29-5590-01	2	Bracket-Pivot
15	3230-18	4	Screw-CARR
16	32152-1	4	Nut-Lock
17	40-6230	2	Spring
18	98-5984	1	Deflector ASM
18:2	54-9220	1	Decal-Danger
19	3211-15	2	Screw-HH
20	3296-5	2	Nut-Lock, Ni

Ref. No.	Part No.	Qty.	Description
21	98-5963	1	Assembly - RH Cover
21:1	67-5360	1	Decal-Danger
22	98-5965	1	Assembly - LH Cover
22:1	67-5360	1	Decal-Danger
24	32128-17	4	Nut-Flange Lock
25	249-21	2	Clamp-Slotted
26	3290-321	4	Screw-HWH
36	98-5953	1	Decal-Sfs

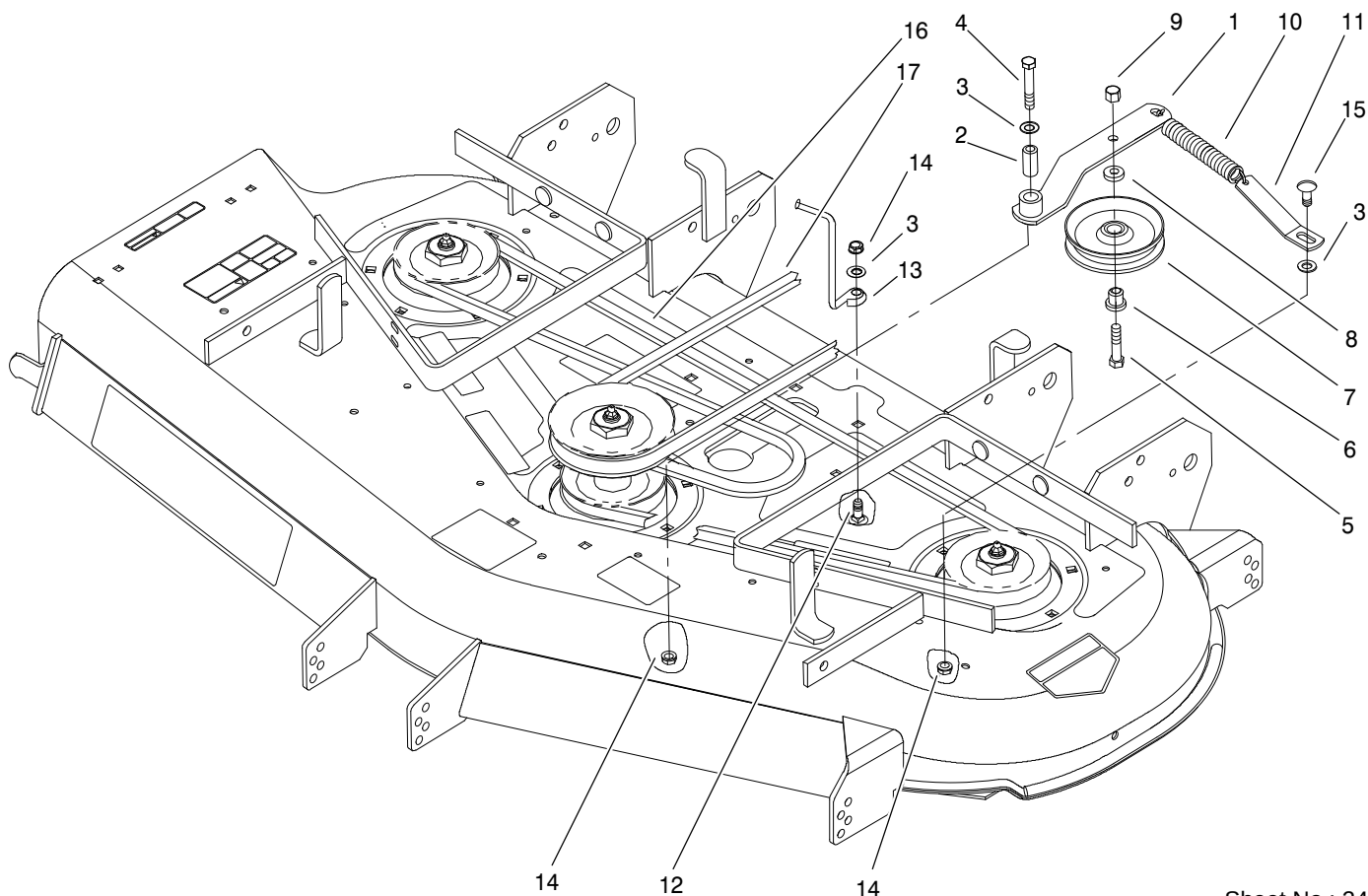


Sheet No.: 23

Spindle and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
1	100-2313	1	Spindle Housing ASM
1:1	302-2	1	Fitting-Grease
1:2	51-3551	1	Shaft-Spindle
1:3	32146-20	1	Nut-Jam
1:4	92-5836	1	Washer - Axle
1:5	100-2312	1	Pulley And Hub ASM
1:6	61-4160	1	Spindle
1:7	46-8530	1	Bearing ASM
1:8	253-139	2	Seal-Oil
1:9	27-0950	1	Spacer-Bearing, Spindle
1:10	92-5816	1	Flangebolt-Blade
2	99-4639	2	Spindle ASM
2:1	253-139	2	Seal-Oil
2:2	27-0920	1	Shaft-Spindle
2:3	27-0950	1	Spacer-Bearing, Spindle
2:4	46-8530	1	Bearing ASM
2:5	99-4613	1	Pulley & Hub
2:7	302-2	1	Fitting-Grease
2:8	32146-20	1	Nut-Jam
2:10	61-4160	1	Spindle
2:11	7-4150	1	Washer-Pinion
3	27-0990	3	Blade
4	E513435	3	Washer-Spring
5	92-5816	2	Flangebolt-Blade

Ref. No.	Part No.	Qty.	Description
6	3231-22	16	Screw-CARR
7	32128-21	16	Nut-Hex Flange
8	3256-24	1	Washer-Flat

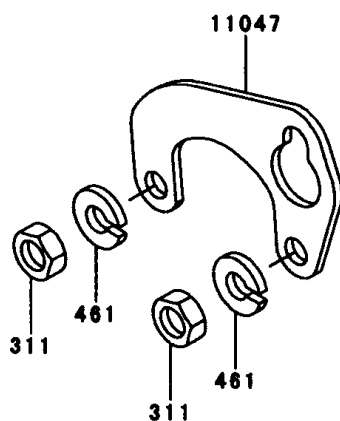
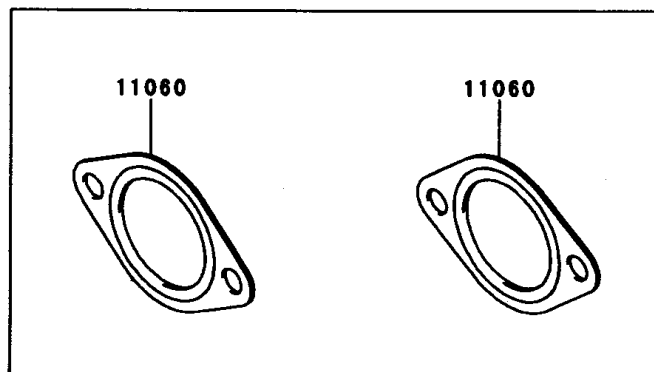


Sheet No.: 24

Belts and Idler Arm Assembly

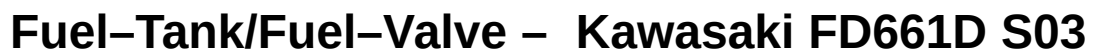
Ref. No.	Part No.	Qty.	Description
1	55-7640-03	1	Idler Arm
2	51-3640	1	Idler Pivot Sleeve
3	3256-24	3	Washer-Flat
4	323-11	1	Screw-HH
5	3211-8	1	Screw-HH
6	65-5950	1	Bushing-Pulley
7	65-5940	1	Pulley-Idler
8	7-0081	1	Washer - Flat
9	3296-5	1	Nut-Lock, Ni
10	51-3650	1	Spring - Extension
11	55-7650	1	Spring Plate
12	3231-22	1	Screw-CARR
13	98-5980	1	Guide - Belt
14	32128-21	3	Nut-Hex Flange
15	3231-28	1	Screw-CARR
16	27-1160	1	Belt-Deck
17	100-2314	1	Belt-deck

Ref. No.	Part No.	Qty.	Description

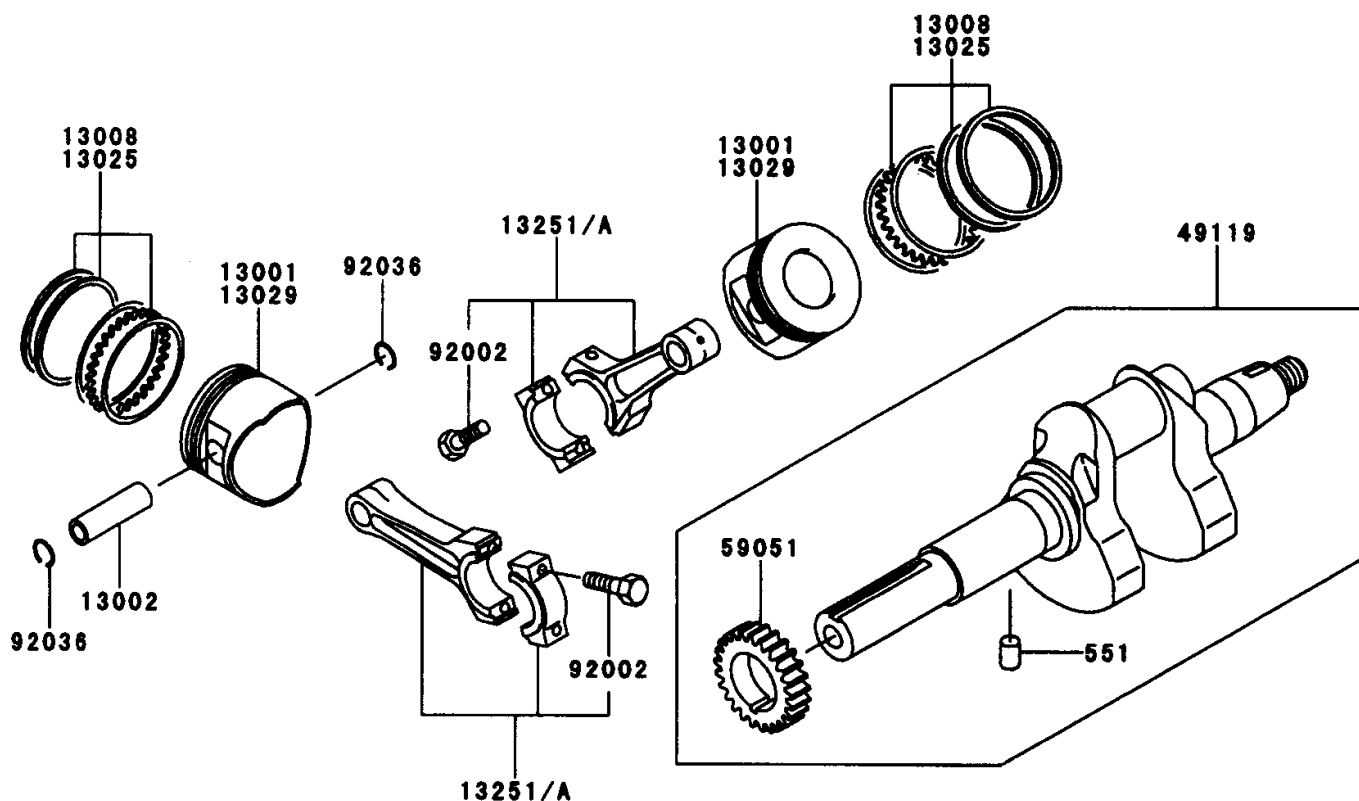


Air Filter/Muffler – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
11047	11047-2057-9H	1	Bracket
11060	11060-2448	2	Gasket
311	311G0600	2	Nut-Hex
461	461F0600	2	Washer



Ref. No.	Part No.	Qty.	Description

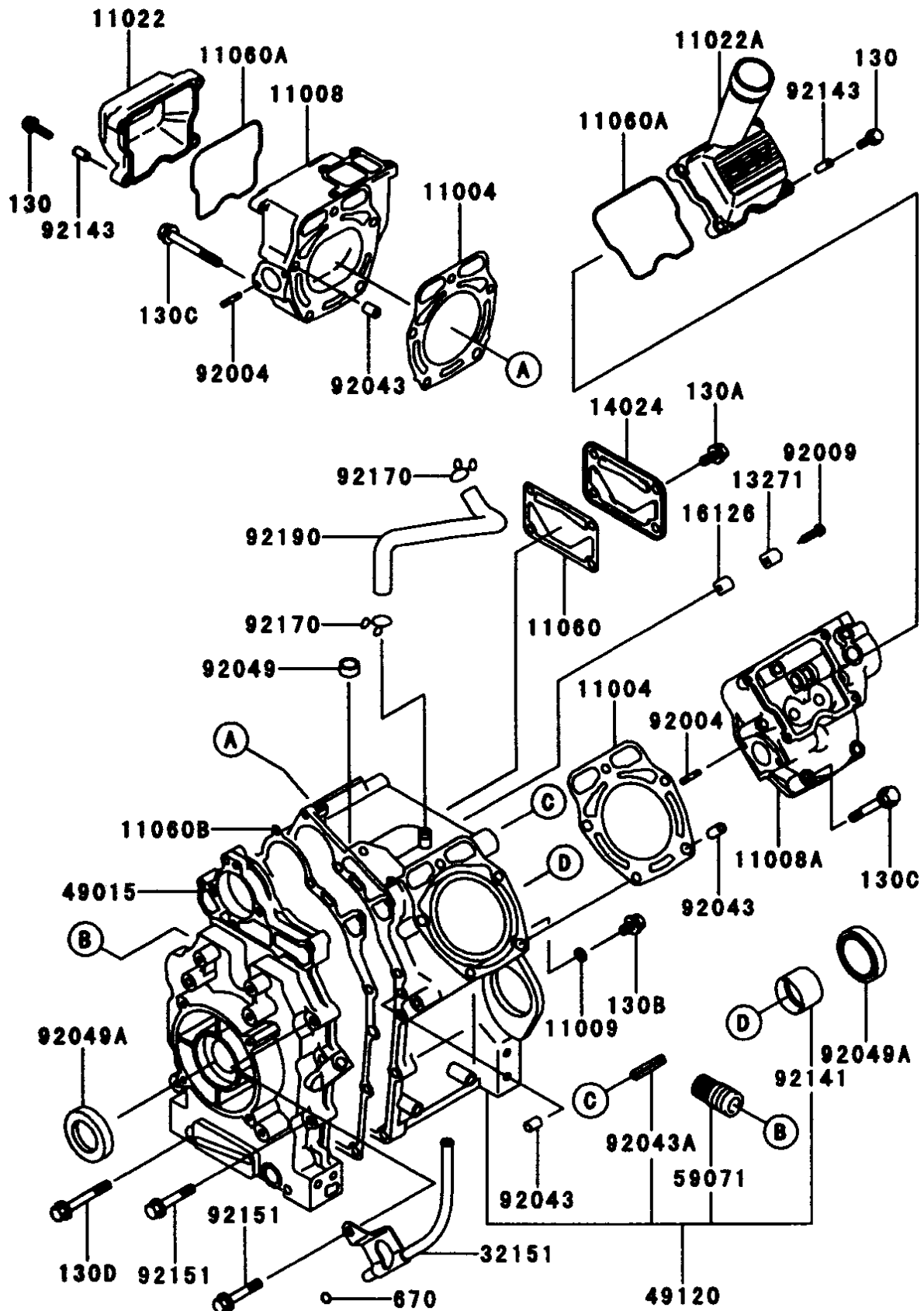


Piston/Crankshaft – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
13001	13001-2131	2	Piston-Engine
13002	13002-1013	2	Pin-Piston
13008	13008-6025	2	Ring-Set-Piston
13025	13025-6008	AR	Ring-Set-Piston L,0.50
13029	13029-2105	AR	Piston-Engine L,0.50
13251	13251-6022	2	Rod-Assy-Connecting
13251A	13251-6026	AR	Rod-Assy-Connecting, U/S=0.50
49119	49119-2130	1	Crankshaft-Assy
59051	59051-2112	1	Gear-Spur
92002	92002-2053	4	Bolt
92036	92036-021	4	Ring-Snap
551	551A0408	1	Pin-Dowel

Ref. No.	Part No.	Qty.	Description

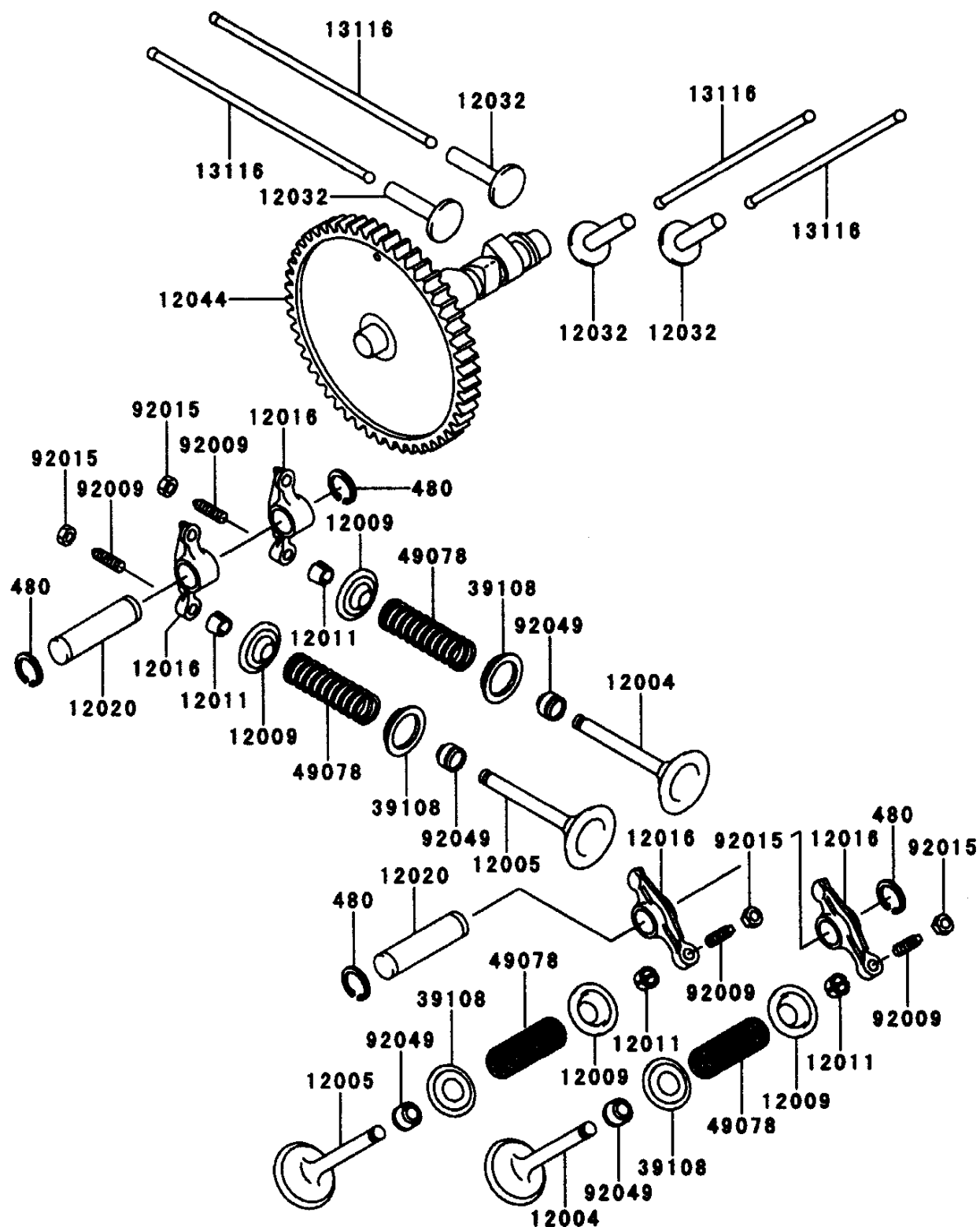
Cylinder/Crankcase – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description
11004	11004-2107	2	Gasket-Head
11008	11008-2135	1	Head-Comp-Cylinder
11008A	11008-6036	1	Head-Comp-Cylinder
11009	11009-3028	2	Gasket
11022	11022-2056	1	Case-Rocker
11022A	11022-2063	1	Case-Rocker
11060	11060-2089	1	Gasket
11060A	11060-2332	2	Gasket, Rocker Case
11060B	11060-2449	1	Gasket, Crankcase Cover
13271	13271-2054	1	Plate
14024	14024-2292	1	Cover
16126	16126-2146	1	Valve
32151	32151-2032-9H	1	Pipe, Oil Guage
49015	49015-6204	1	Cover-Crankcase
49120	49120-2291	1	Crankcase-Comp
59071	59071-2079	1	Joint
92004	92004-2142	4	Stud
92009	92009-2308	1	Screw
92043	92043-1037	6	Pin
92043A	92043-2227	1	Pin
92049	92049-2097	1	Seal-Oil
92049A	92049-2110	1	Seal-Oil
92141	92141-2110	1	Bearing-Plane
92143	92143-2010	8	Collar
92151	92151-2123	6	Bolt, 8x45
92170	92170-2002	2	Clamp
92190	92190-2146	1	Tube
130	130B0625	8	Bolt-Flanged
130A	130B0816	4	Bolt-Flanged
130B	130C0812	2	Bolt-Flanged
130C	130G0865	10	Bolt-Flanged
130D	130T0860	2	Bolt-Flanged
670	670B2010	1	O Ring

Ref. No.	Part No.	Qty.	Description

Valve/Camshaft – Kawasaki FD661D S03

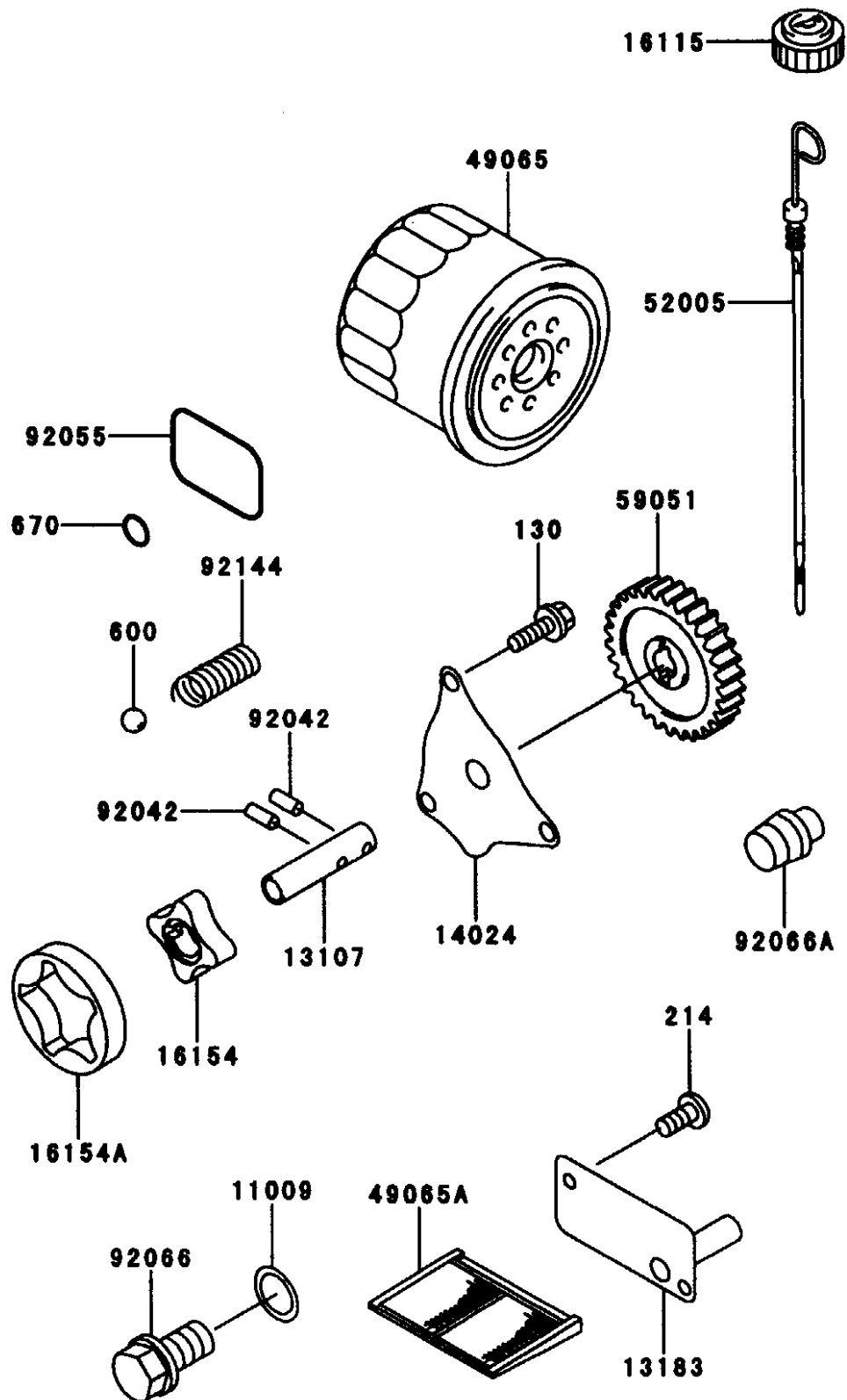


Valve/Camshaft – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
12004	12004-2104	2	Valve-Intake
12005	12005-2093	2	Valve-Exhaust
12009	12009-2067	4	Retainer-Valve Spring
12011	12011-2056	8	Collet
12016	12016-2056	4	Arm-Rocker
12020	12020-2059	2	Shaft-Rocker
12032	12032-2064	4	Tappet
12044	12044-2239	1	Camshaft-Valve
13116	13116-2057	4	Rod-Push
39108	39108-2057	4	Retainer-Spring
49078	49078-2082	4	Spring-Engine Valve
92009	92009-1109	4	Screw
92015	92015-1137	4	Nut
92049	92049-2109	4	Seal-Oil
480	480J1200	4	Circlip

Ref. No.	Part No.	Qty.	Description

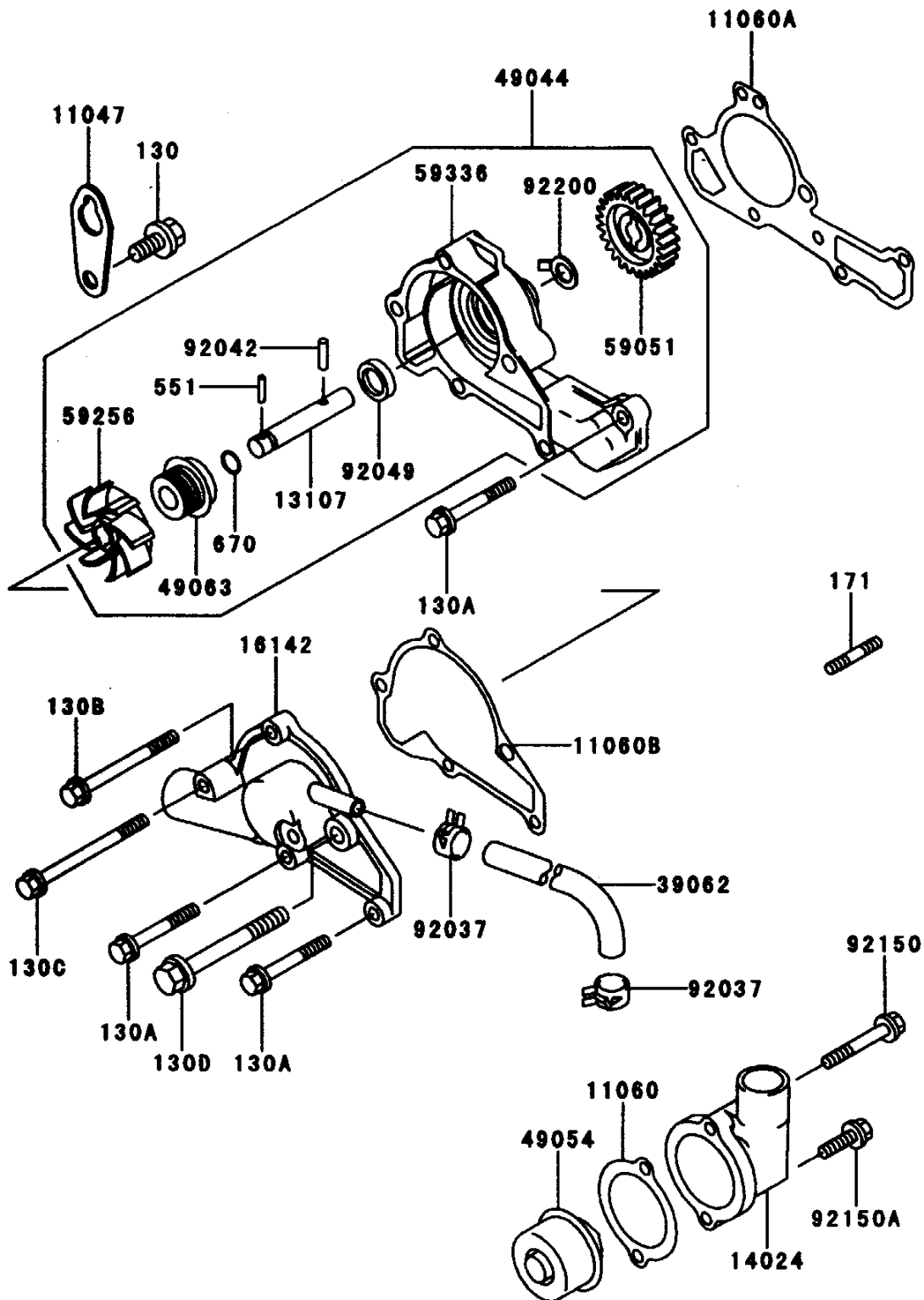
Lubrication-Equipment – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description
11009	11009-2566	1	Gasket,Drain Plug
13107	13107-2099	1	Shaft-Oil Pump
13183	13183-2419	1	Plate
14024	14024-2113	1	Cover,Oil Pump
16115	16115-2090	1	Cap-Oil Filler
16154	16154-2053	1	Rotor-Pump,In
16154A	16154-2054	1	Rotor-Pump,Out
49065	49065-2071	1	Filter-Oil
49065A	49065-2072	1	Filter-Oil
52005	52005-2122	1	Guage
59051	59051-2114	1	Gear-Spur
92042	92042-014	2	Pin
92055	92055-2086	1	Ring-O
92066	92066-2099	1	Plug,Drain
92066A	92066-2235	1	Plug
92144	92144-2053	1	Spring
130	130B0614	3	Bolt-Flanged
214	214B0512	2	Screw-Pan
600	600A1300	1	Ball-Steel
670	670B2011	1	O-Ring

Ref. No.	Part No.	Qty.	Description

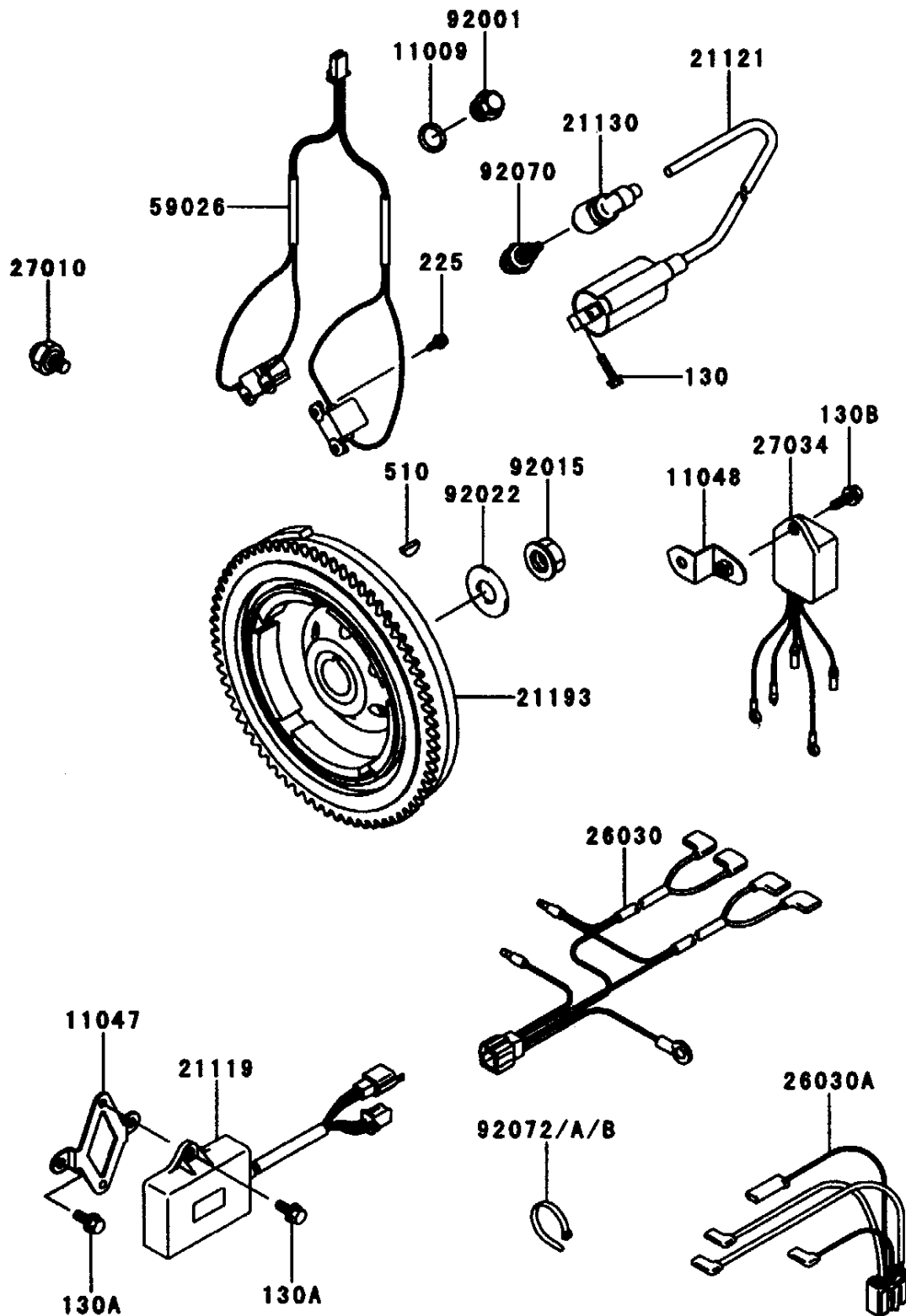
Cooling-Equipment – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description
11047	11047-2056-9H	1	Bracket
11060	11060-2084	1	Gasket,Thermostat Cover
11060A	11060-2450	1	Gasket,Pump Case
11060B	11060-2451	1	Gasket,Pump Cover
13107	13107-2097	1	Shaft,Impeller
14024	14024-2293	1	Cover, Thermostat
16142	16142-2069	1	Cover-Pump
39062	39062-2051	1	Hose-Cooling, 7.5x13.5x305
49044	49044-2058	1	Pump-Water
49054	49054-2056	1	Thermostat
49063	49063-2056	1	Seal-Mechanical
59051	59051-2113	1	Gear-Spur
59256	59256-2057	1	Impeller
59336	59336-2052	1	Case-Pump
92037	92037-2082	2	Clamp
92042	92042-014	1	Pin
92049	92049-2111	1	Seal-Oil
92150	92150-2230	1	Bolt,6x40
92150A	92150-2231	1	Bolt,6x20
92200	92200-2044	1	Washer
130	130B0816	1	Bolt-Flanged
130A	130T0645	3	Bolt-Flanged
130B	130T0665	1	Bolt-Flanged
130C	130T0675	1	Bolt-Flanged
130D	130T0870	1	Bolt-Flanged
171	171G0818	3	Bolt-Stud
551	551A0314	1	Pin-Dowel
670	670B1507	1	O Ring

Ref. No.	Part No.	Qty.	Description

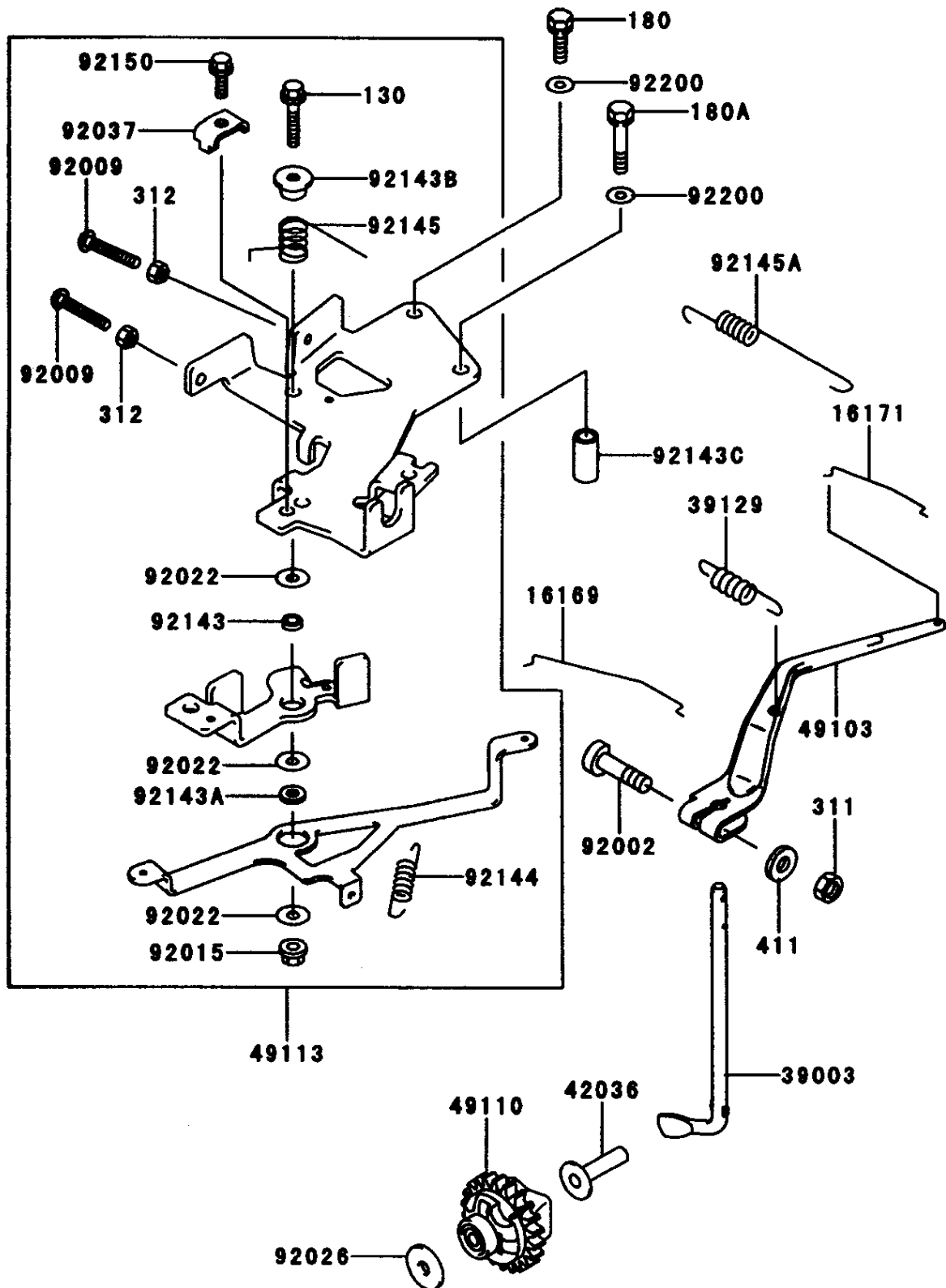
Electric-Equipment – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description
11009	11009-2766	1	Gasket
11047	11047-2036-9H	1	Bracket
11048	11048-2008	1	Bracket
21119	21119-2157	1	Igniter
21121	21121-2083	2	Coil-Ignition
21130	21130-2060	2	Cap-Spark Plug
21193	21193-2149	1	Flywheel-Assy
26030	26030-2167	1	Harness
26030A	26030-2267	1	Harness
27010	27010-7001	1	Switch
27034	27034-2056	1	Relay
59026	59026-2054	1	Coil-Pulsing
92001	92001-1114	1	Bolt
92015	92015-2167	1	Nut
92022	92022-2245	1	Washer
92070	92070-2060	2	Plug-Spark,BMR6A (NGK), Solid
92072	92072-1195	2	Band
92072A	92072-1237	2	Band
92072B	92072-2003	2	Band
130	130B0520	4	Bolt-Flanged
130A	130B0614	4	Bolt-Flanged
130B	130B0616	1	Bolt-Flanged
225	225B0414	4	Screw-Pan-Wsp-Cros
510	510A5100	1	Key-Woodruff

Ref. No.	Part No.	Qty.	Description

Control-Equipment – Kawasaki FD661D S03

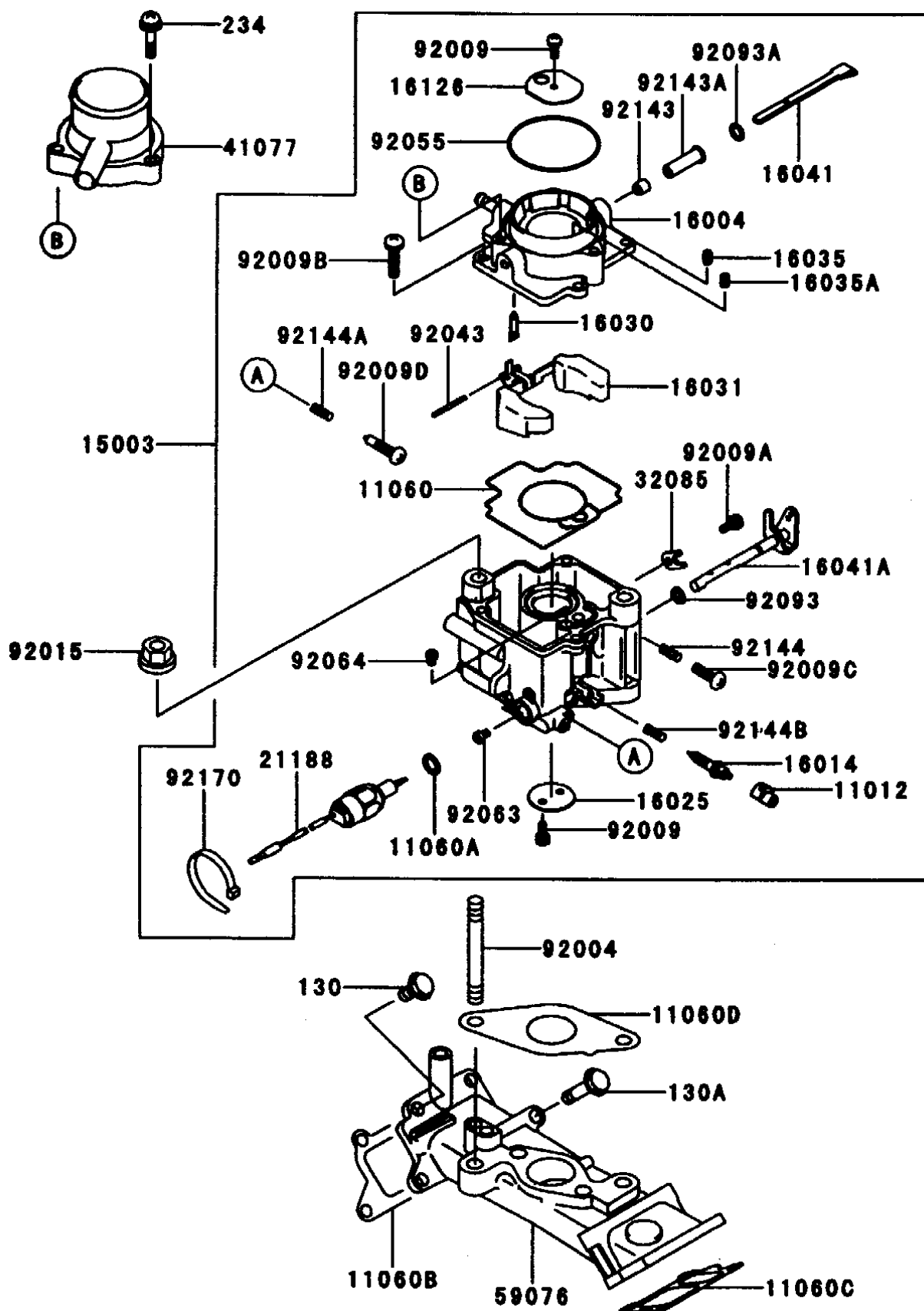


Control-Equipment – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
16169	16169-2092	1	Link-Choke
16171	16171-2065	1	Link
39003	39003-2083	1	Arm-Pivot
39129	39129-2081	1	Spring-Governor
42036	42036-2060	1	Sleeve
49103	49103-2141	1	Arm-Governor
49110	49110-2091	1	Governor-Assy
49113	49113-2165	1	Panel-Comp-Control
92002	92002-2269	1	Bolt
92009	92009-2381	2	Screw,5x30
92015	92015-1339	1	Nut
92022	92022-2372	3	Washer,6x19x1.2
92026	92200-2036	1	Spacer
92037	92037-2209	2	Clamp
92143	92143-1596	1	Collar,6.2x10x3.4
92143A	92143-2135	1	Collar,6x13x2.3
92143B	92143-2148	1	Collar
92143C	92143-2200	1	Collar,6.8x10x20.5
92144	92144-2052	1	Spring
92145	92145-2058	1	Spring
92145A	92145-2062	1	Spring
92150	92150-2182	2	Bolt,5x18
92200	92200-2070	2	Washer
130	130B0635	2	Bolt-Flanged
180	180B0616	1	Bolt-Flanged
180A	180B0635	1	Bolt-Upset-Ws
311	311B0600	1	Nut-Hex
312	312B0500	2	Nut-Hex
411	411B0600	1	Washer-Plain

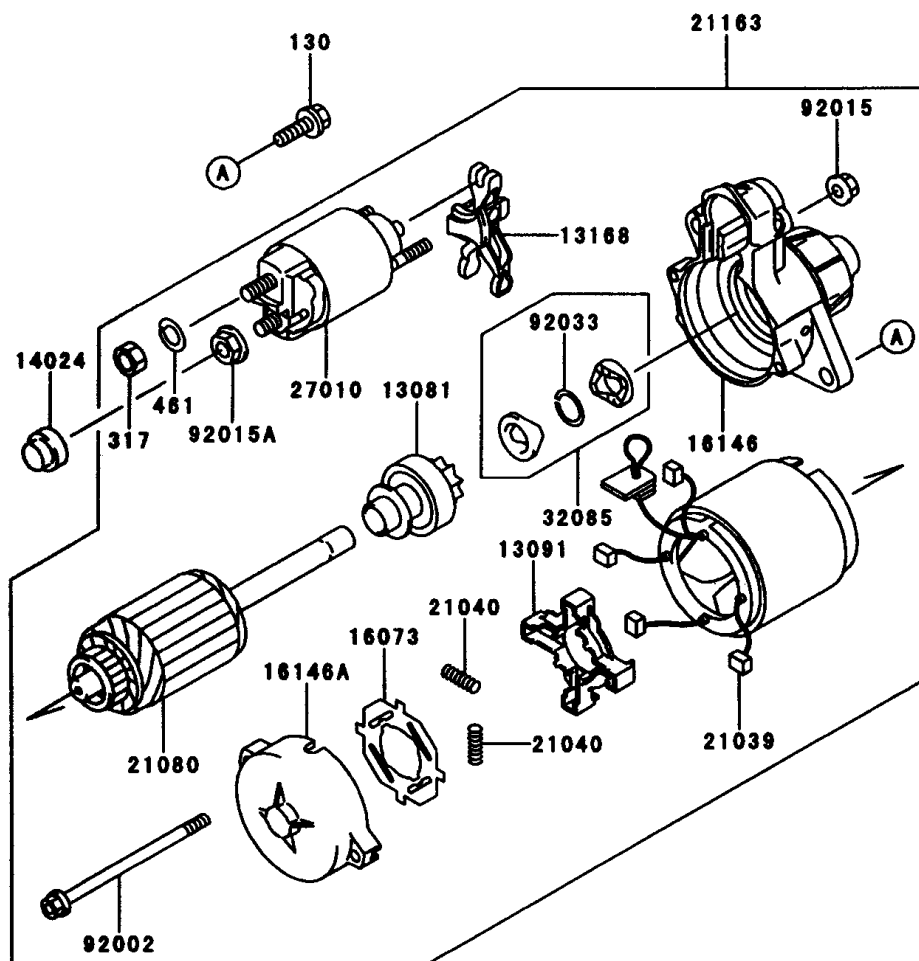
Ref. No.	Part No.	Qty.	Description

Carburetor – Kawasaki FD661 S03



Carburetor – Kawasaki FD661 S03

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11012	11012-2381	1	Cap				
11060	11060-2072	1	Gasket				
11060A	11060-2073	1	Gasket				
11060B	11060-2087	1	Gasket,Intake Manifold				
11060C	11060-2088	1	Gasket,Intake Manifold				
11060D	11060-2090	1	Gasket,Carburetor				
15003	15003-2728	1	Carburetor-Assy				
16004	16004-2051	1	Cap-Chamber				
16014	16014-2077	1	Screw-Pilot Air				
16025	16025-2197	1	Valve-Throttle				
16030	16030-2089	1	Valve-Float				
16031	16031-2071	1	Float				
16035	16035-2080	1	Jet-Air				
16035A	16035-2082	1	Jet-Air				
16041	16041-2218	1	Shaft-Carburetor, Choke				
16041A	16041-2251	1	Shaft-Carburetor				
16126	16126-2185	1	Valve,Choke				
21188	21188-2006	1	Solenoid				
32085	32085-2089	1	Stopper				
41077	41077-2063	1	Adapter				
59076	59076-2061	1	Manifold-Intake				
92004	92004-2143	2	Stud				
92009	92009-2330	3	Screw,3x5.5				
92009A	92009-2331	1	Screw				
92009B	92009-2332	4	Screw				
92009C	92009-2333	1	Screw				
92009D	92009-2334	1	Screw				
92015	92015-1143	2	Nut				
92043	92043-2196	1	Pin				
92055	92055-2175	1	Ring-O,49.4mm				
92063	92063-2384	1	Jet-Main,#106				
92064	92064-2129	1	Jet-Pilot,#42				
92093	92093-2092	1	Seal				
92093A	92093-2093	1	Seal				
92143	92143-2191	1	Collar				
92143A	92143-2192	1	Collar				
92144	92144-2306	1	Spring				
92144A	92144-2307	1	Spring				
92144B	92144-2397	1	Spring				
92170	92170-2098	1	Clamp				
130	130B0620	5	Bolt-Flanged				
130A	130B0645	3	Bolt-Flanged				
234	234B0525	3	Screw-Pan-Wsp				



Starter – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
13081	13081-2108	1	Clutch-Assy
13091	13091-2068	1	Holder,Brush
13168	13168-2131	1	Lever,Shift
14024	14024-2205	1	Cover
16073	16073-2098	1	Insulator
16146	16146-2186	1	Cover-Assy
16146A	16146-2187	1	Cover-Assy
21039	21039-2059	4	Brush
21040	21040-2052	4	Spring-Brush
21080	21080-2054	1	Armature
21163	21163-2101	1	Starter-Electric
27010	27010-2122	1	Switch
32085	32085-2097	1	Stopper
92002	92002-2277	2	Bolt
92015	92015-2146	2	Nut
92015A	92015-2147	1	Nut
92033	92033-2081	1	Ring-Snap
130	130B0830	2	Bolt-Flanged
317	317B0800	1	Nut-Hex-Small
461	461F0800	1	Washer-Spring

Ref. No.	Part No.	Qty.	Description

Maintenance Record

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Maintenance Record

[illegible]

