



Z-MasterTM
250 Series
Liquid Cooled
Z252L
with 62" Side
Discharge Mower

Model No. 74212 – 991001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

Service Assemblies

Parts within service assemblies have reference numbers in the form X:Y. X is the reference number of the service assembly and Y is a sequential number unique to each part within the service assembly.

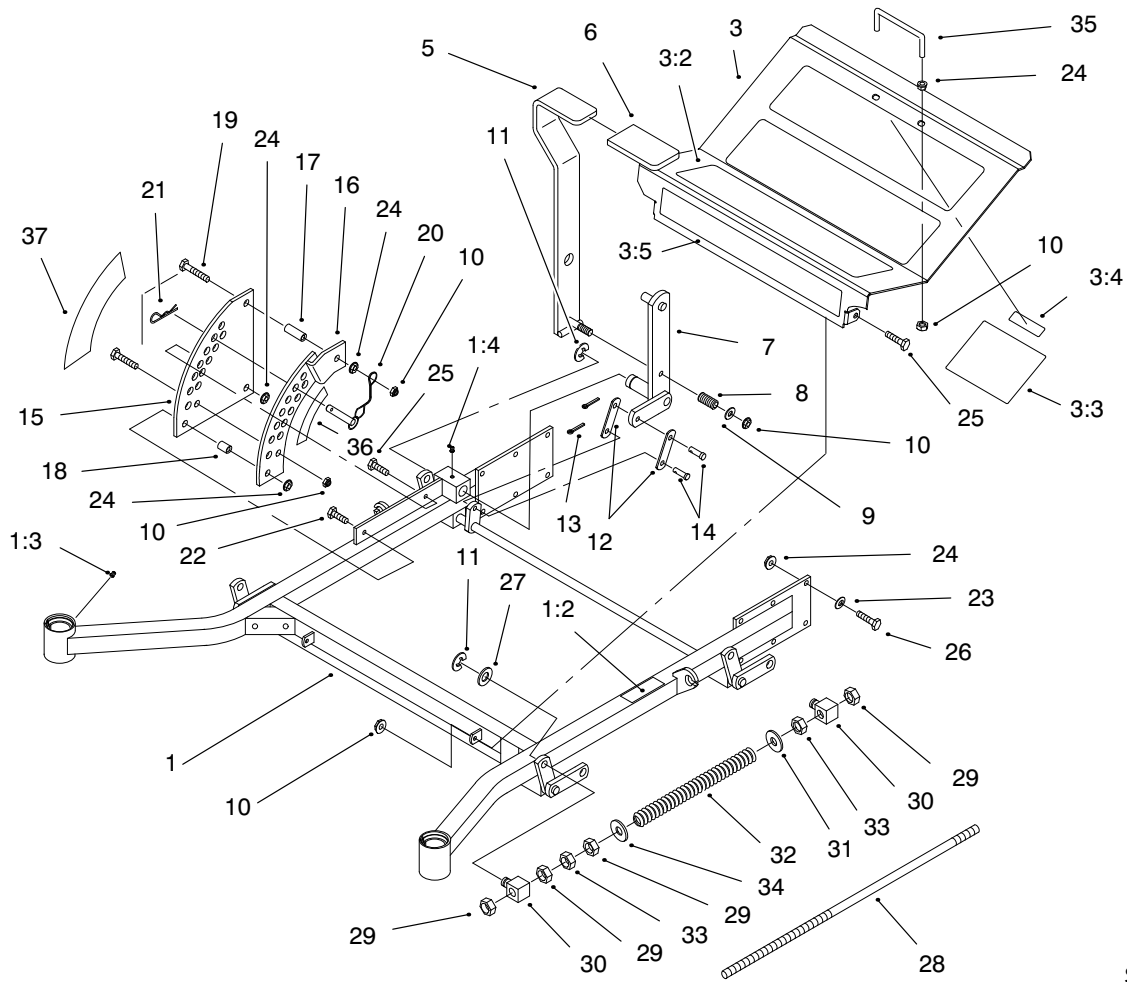
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form $X (Y)$. X is the reference number. Y in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

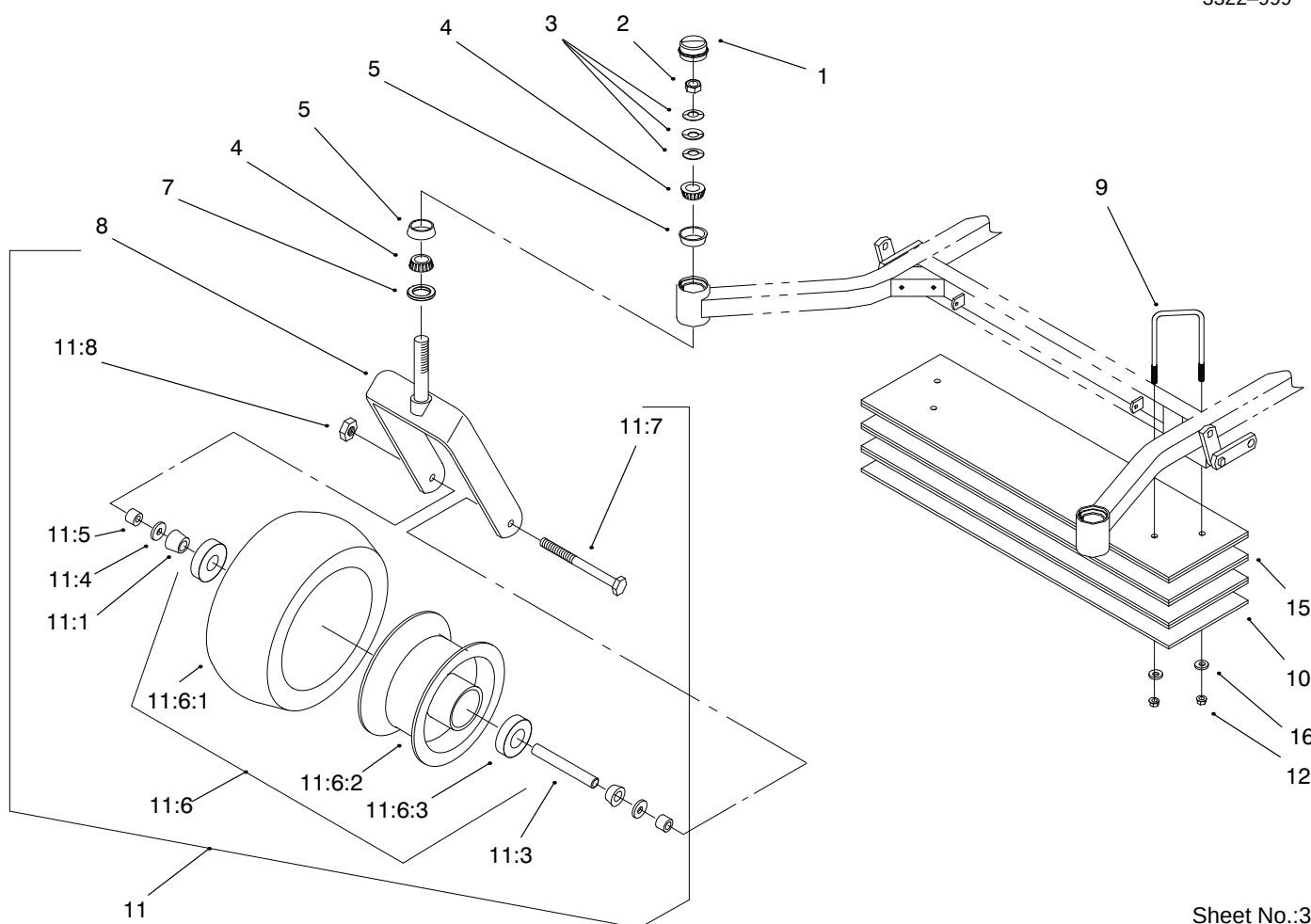


Sheet No.:2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	99-4682	1	Frame ASM
1:2	E633818	1	Decal
1:3	E811010	2	Plug-Caster Swivel
1:4	320-19	5	Fitting - Grease
3	99-4622	1	Floorpan ASM
3:2	E633553	3	Pad - Antiskid
3:3	E633766	1	Decal-Check
3:4	98-5954	1	Decal-Cover Missing
3:5	E633737	1	Decal- Z-Master
5	E632324	1	Lift Lever ASM
6	E633295	1	Grip-Lift Lever
7	E632219	1	Arm-Deck Lift
8	E633325	1	Spring-Compression
9	3256-24	1	Washer-Flat
10	32146-2	7	Nut-Lock Ni
11	E808505	5	Ring-Snap
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

Ref. No.	Part No.	Qty.	Description
22	323-9	2	Screw-HH
23	98-5975	12	Washer
24	3290-357	17	Nut-Lock
25	323-6	3	Screw-HH
26	323-7	12	Screw-HH
27	3256-29	4	Washer-Flat
28	E633096	2	Rod-Deck Lift
29	3217-11	8	Nut-Hex
30	E633441	4	Swivel-Deck Mount
31	3256-7	2	Washer-Flat
32	E633064	2	Spring-Deck Support
33	3218-6	4	Nut-Jam
34	3256-7	2	Washer-Flat
35	E633587	1	Handle
36	E633706	1	Decal-Deck Height
37	E633345	1	Decal-Deck Height

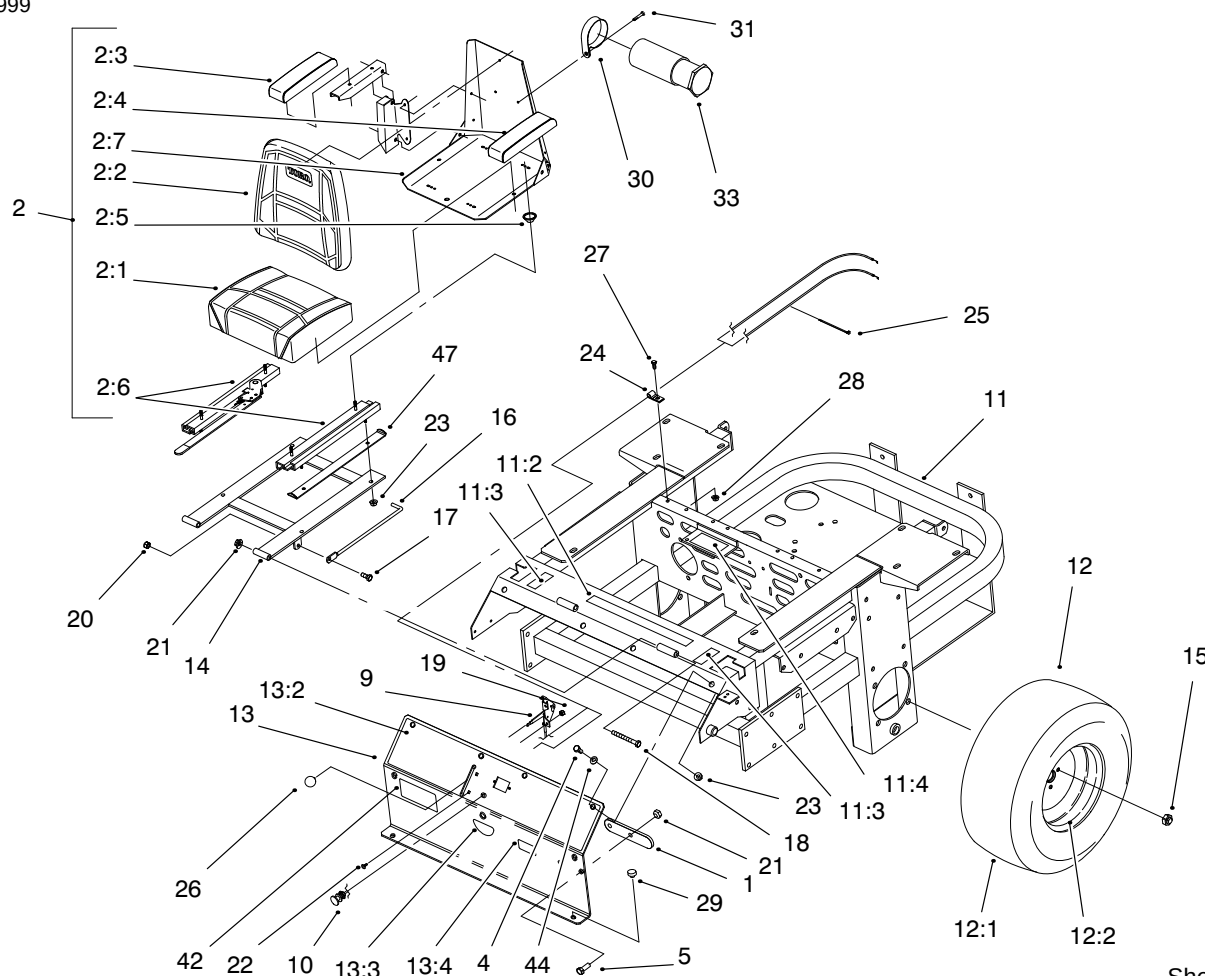


Sheet No.:3

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–Cone
5	254–72	4	Cup–Bearing, Outer
7	E543511	2	Seal–Grease
8	E632511	2	Caster
9	100–2339	2	U–Bolt
10	100–2333–01	1	Bar – Weight
11	E634662	2	Caster Wheel ASM
11:1	254–78	2	Bearing–Roller, Cone
11:3	E633579	1	Spacer–Front Caster
11:4	E633580	2	Seal–Bearing
11:5	E633581	2	Spacer–Bearing
11:6	E633582	1	Wheel & Tire ASM
11:6:1	E633002	1	Tire
11:6:2	E633583	1	Wheel
11:6:3	254–79	2	Bearing–Roller, Cup
11:7	325–36	1	Screw–HH
11:8	3296–45	1	Nut–Lock Ni
12	3290–357	4	Nut–Lock
15	99–4646–01	3	Weight Bar ASM
16	3256–4	4	Washer

Ref. No.	Part No.	Qty.	Description

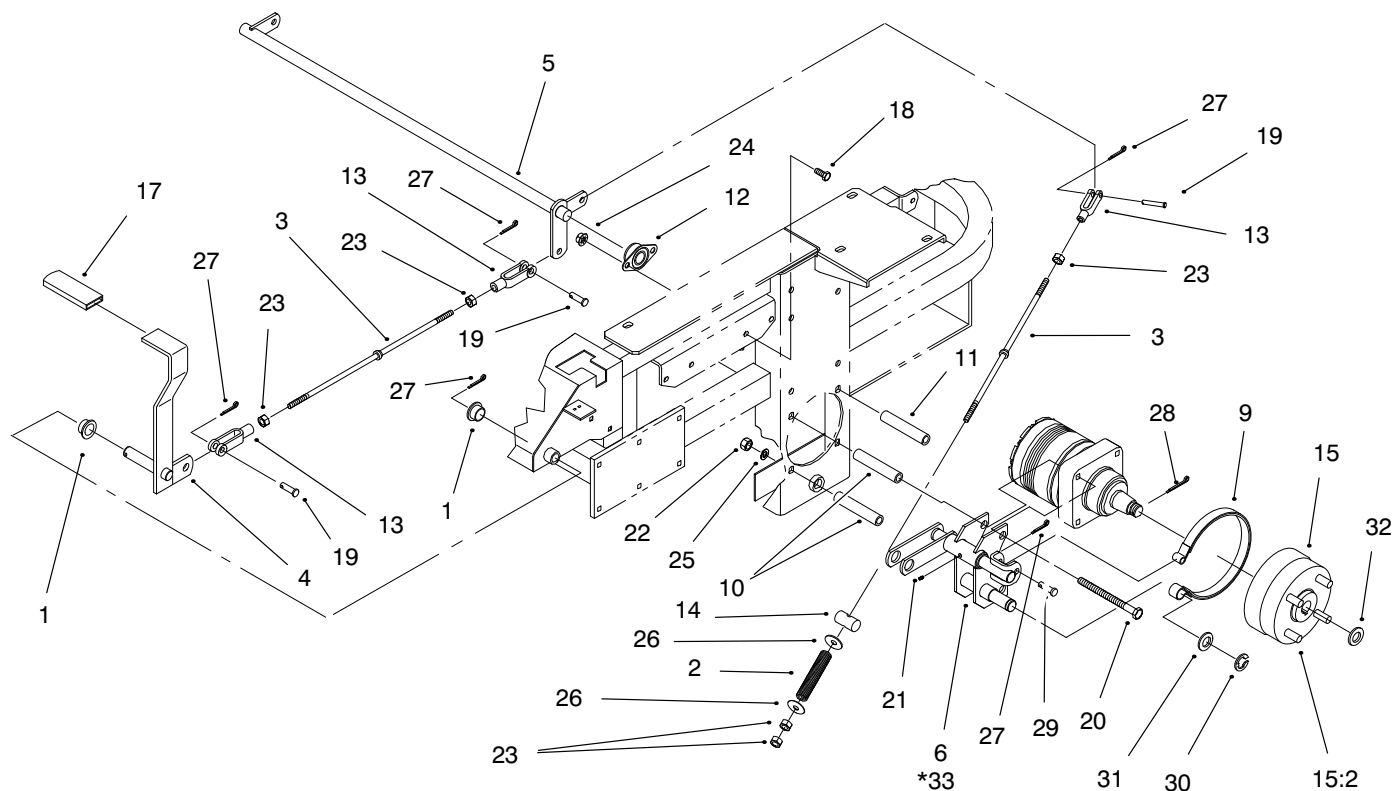


Sheet No.:4

Seat And Rear Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	E633964	1	Stop – Park Brake
2	E633705	1	Seat ASM w/Armrest
2:1	E543407	1	Cushion–Seat
2:2	E633709	1	Cushion–Backrest
2:3	E633710	1	Armrest – RH
2:4	E633711	1	Armrest – LH
2:5	E543401	4	Spacer–Track
2:6	E643255	1	Track–Locking, 4"
2:7	E633859	1	Frame–Seat
4	322–3	8	Screw–HH
5	323–6	2	Screw–HH
9	E633696	1	Cable–Throttle
10	E603336	1	Control–Choke, Push–Pull
11	99–4624	1	Frame ASM
11:2	E513747	1	Decal–Battery
11:3	E633354	2	Decal–Motion Control
11:4	E513929	1	Decal–Drive Release
12	E633007	2	Wheel & Tire ASM
12:1	E633008	1	Tire
12:2	E633009	1	Wheel
13	99–4623	1	Console ASM
13:2	99–4611	1	Decal–Control Panel
13:3	E633346	1	Decal–Fuel Valve
13:4	98–4387	1	Decal – Ear Protection
14	E632187	1	Frame–Seat

Ref. No.	Part No.	Qty.	Description
15	E513011	1	Nut–Wheel
16	E633293	1	Rod–Seat Holdup
17	322–5	1	Screw–HH
18	323–21	2	Screw–HH
19	32146–18	2	Nut–Lock
20	3296–41	2	Nut–Lock Ni
21	32146–2	4	Nut–Lock Ni
22	E807513	2	Bolt–CARR
23	32128–20	12	Nut–Hex Flange
24	E513762	1	Clip
25	E303335	1	Tie–Plastic
26	E513592	1	Knob–Ball, Red
27	321–4	1	Screw–HH
28	32128–33	1	Nut–Hex Flange
29	E513658	2	Bumper–Catcher, Grass
30	2412–120	2	R Clamp
31	32104–76	2	Screw–Acorn Slot
33	74–0720	1	Tube–Manual
42	99–4600	1	Decal – Z252L
44	3256–23	6	Washer–Flat
47	E633872	2	Spacer–Stop,Seat

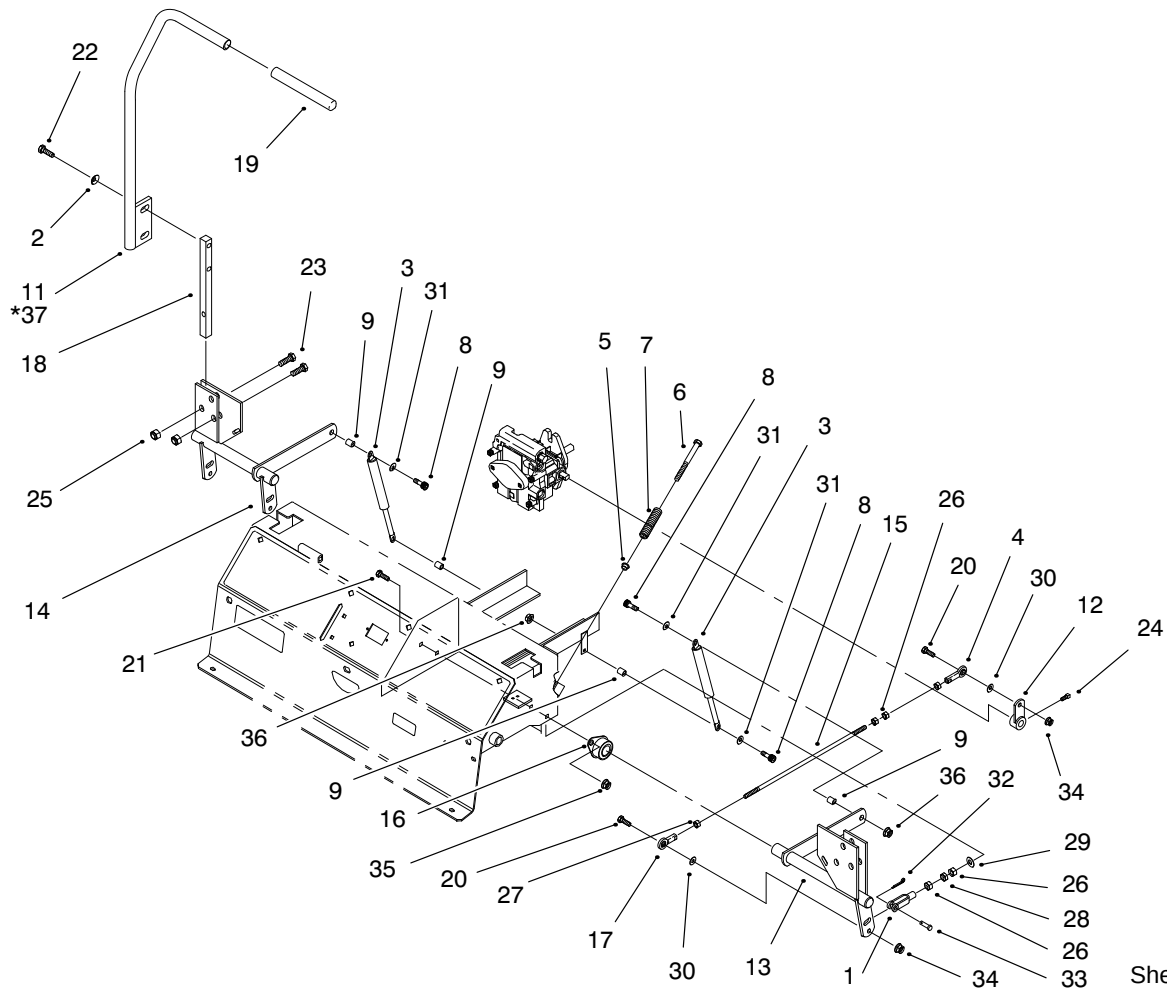


Sheet No.:5

Brake And Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E513140	2	Bearing, Control	29	E808283	2	Pin-Clevis
2	E633454	2	Spring-Brake	30	E808514	2	Ring-Retaining
3	E633477	3	Rod-Brake	31	3256-28	2	Washer-Flat
4	E632489	1	Lever-Brakepoint	32	E523157	2	Spacer
5	E632217	1	Shaft-Brake	*33	E632713	1	Bracket-Brake, RH
6	E632712	1	Bracket-Brake, LH				
9	E633693	2	Brake Band				
10	E633060	4	Spacer-Short, Wheel				
11	E633062	4	Spacer-Long, Wheel				
12	E633102	2	Bearing-Side Flange				
13	E633131	4	Yoke-Brake Linkage				
14	E633144	2	Pin-Trunnion				
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	325-20	8	Screw-HH				
21	302-19	2	Fitting - Grease				
22	3217-9	8	Nut-Hex				
23	3219-3	8	Nut-Hex				
24	3290-357	4	Nut-Lock				
25	3253-7	8	Washer-Lock/Sp				
26	3256-4	4	Washer-Flat				
27	3272-10	7	Pin-Cotter				
28	E806800	2	Pin-Cotter				

* Not illustrated



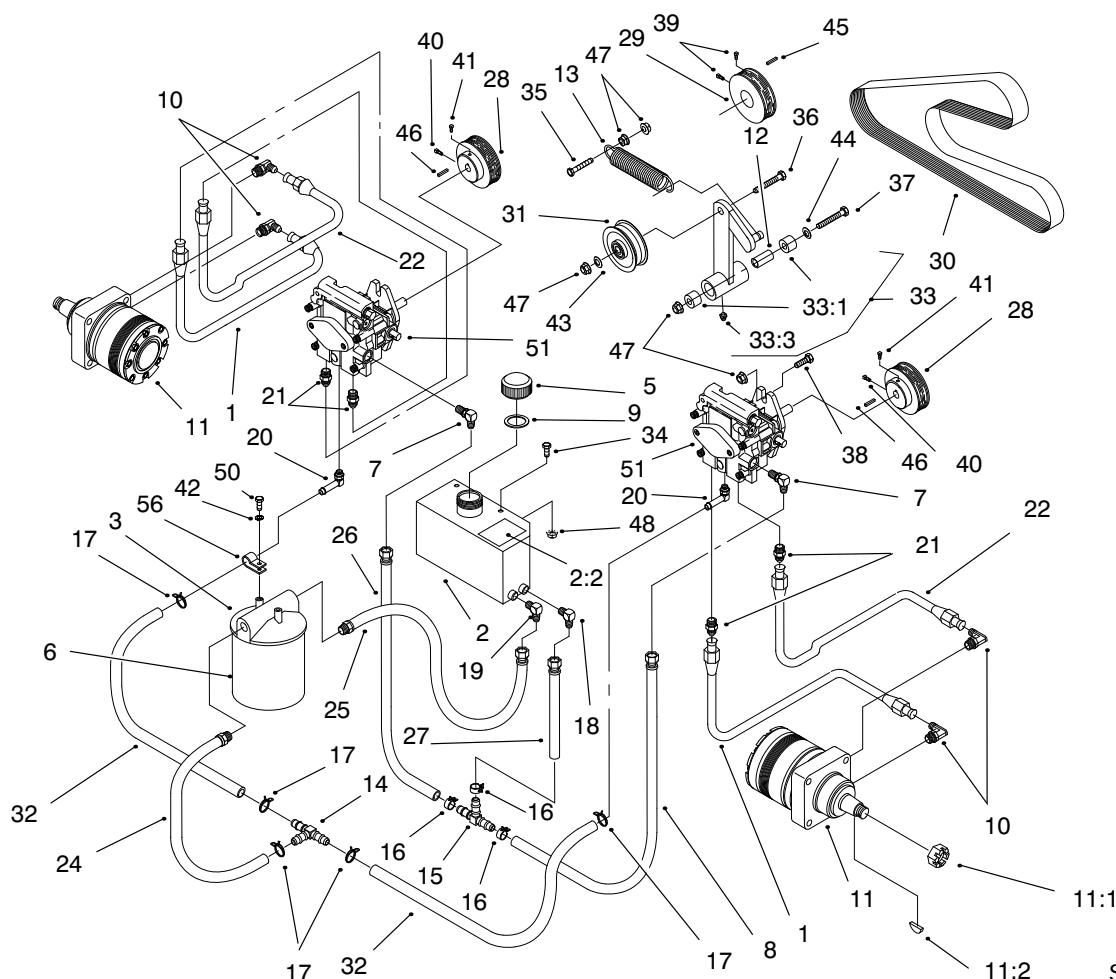
Sheet No.:6

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	E809057	4	Bolt-Shoulder
9	E603903	4	Spacer
11	E632193	1	Lever-RH
12	E632208	2	Arm-Pump Control
13	E632911	1	Motion Control
14	E632912	1	Motion Control
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	32146-2	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
31	3256-23	4	Washer-Flat
32	3272-5	2	Pin-Cotter
33	E808280	2	Pin-Clevis
34	32128-20	4	Nut-Hex Flange
35	3290-357	8	Nut-Lock
36	32128-33	4	Nut-Hex Flange
*37	E632191	1	Lever-LH

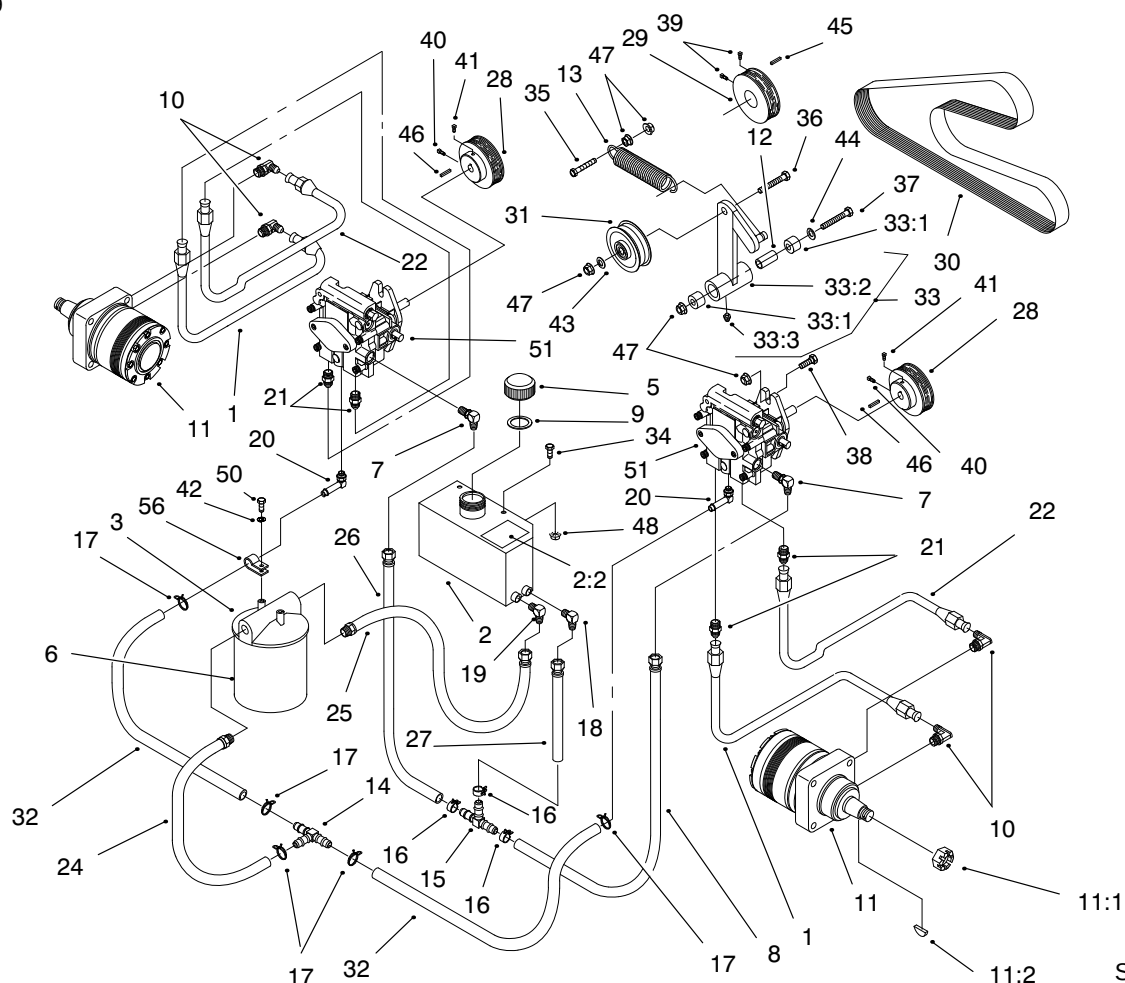
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Sheet No.:7

Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E633776	2	Hose-High Pressure	21	E603990	4	Adapter
2	99-4625	1	Hydraulic Tank ASM	22	E633777	2	Hose-High Pressure
2:2	E523552	1	Decal - Hydraulic Tank, Hot Surface	24	E632281	1	12" Low Pressure Hose ASM
3	E513006	1	Filter-Head	25	E632282	1	13" Low Pressure Hose ASM
5	E513167	1	Cap-Hydraulic Reservoir	26	E632285	1	Hose-Low Pressure
6	E633750	1	Filter-Hydro	27	E632286	1	Hose-Low Pressure
6	E633752	1	Filter-Winter Hydro	28	E633568	2	Sheave
7	E513840	2	Elbow-90	29	E633567	1	Sheave
8	E522217	1	Low Pressure Hose ASM	30	E633749	1	Belt
9	E523103	1	Gasket-Tank/Cap	31	E633167	1	Pulley-Idler
10	E633786	4	Elbow 90°	32	E633335	2	Hose-Low Pressure
11	E523328	2	Motor-Wheel	33	E634277	1	Arm ASM
11:1	E809036	1	Nut-Castle	33:1	E513034	2	Bearing-Pivot
11:2	E807020	1	Woodruff-Key	33:3	E811008	1	Fitting-Grease
12	E603384	1	Bushing-Idler Pivot	34	321-4	2	Screw-HH
13	E603413	1	Spring-Extension	35	323-8	1	Screw-HH
14	E603721	1	Fitting	36	323-9	1	Screw-HH
15	E603722	1	Fitting	37	E800805	1	Screw-HH
16	E603826	3	Clamp-Hose	38	323-7	4	Screw-HH
17	E603827	5	Clamp-Hose	39	E803022	2	Screw
18	E603987	1	Elbow	40	3242-6	2	Screw-Sq Hd Set
19	E603988	1	Elbow	41	3242-4	2	Screw-Sq Hd Set
20	E603989	2	Elbow	42	3253-3	2	Washer-Lock/Sp
				43	3256-3	1	Washer-Flat

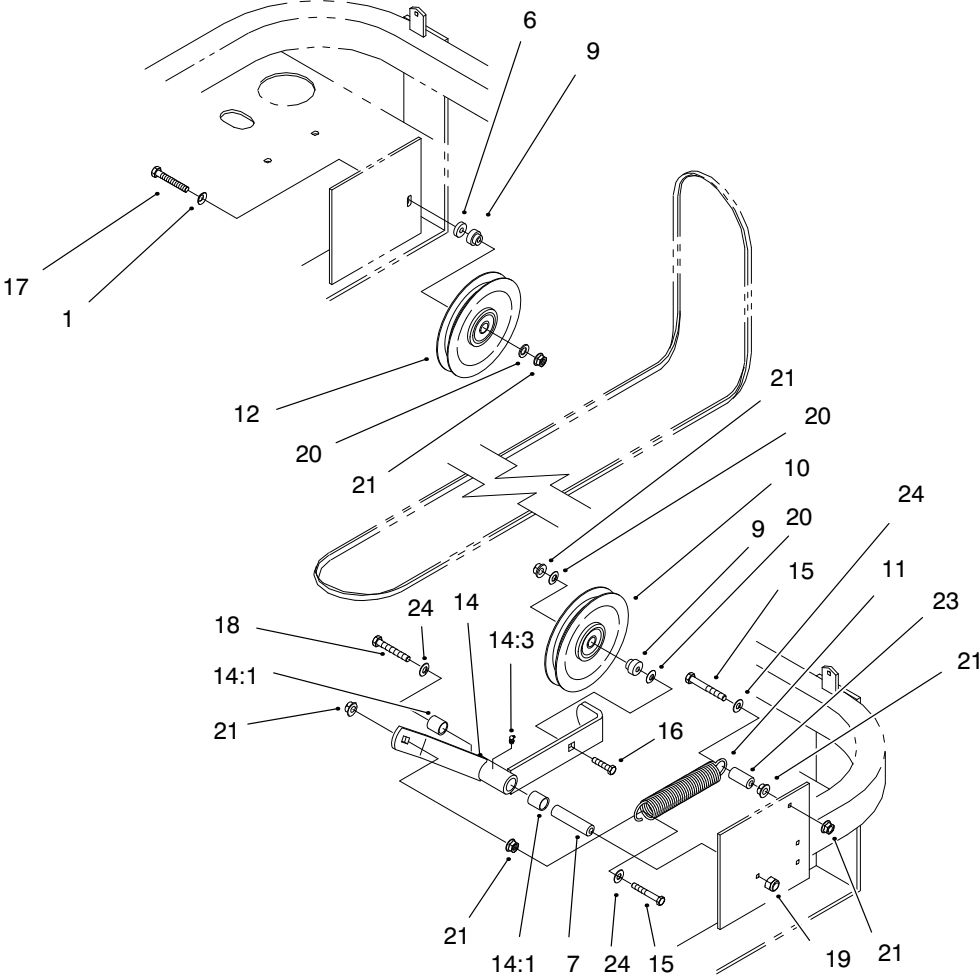


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Hydraulic System Assembly (Continued)

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
48	32128-33	2	Nut-Hex Flange
50	321-3	2	Screw-HH
51	E603841	2	Pump-Hydro
56	E513762	1	Clip

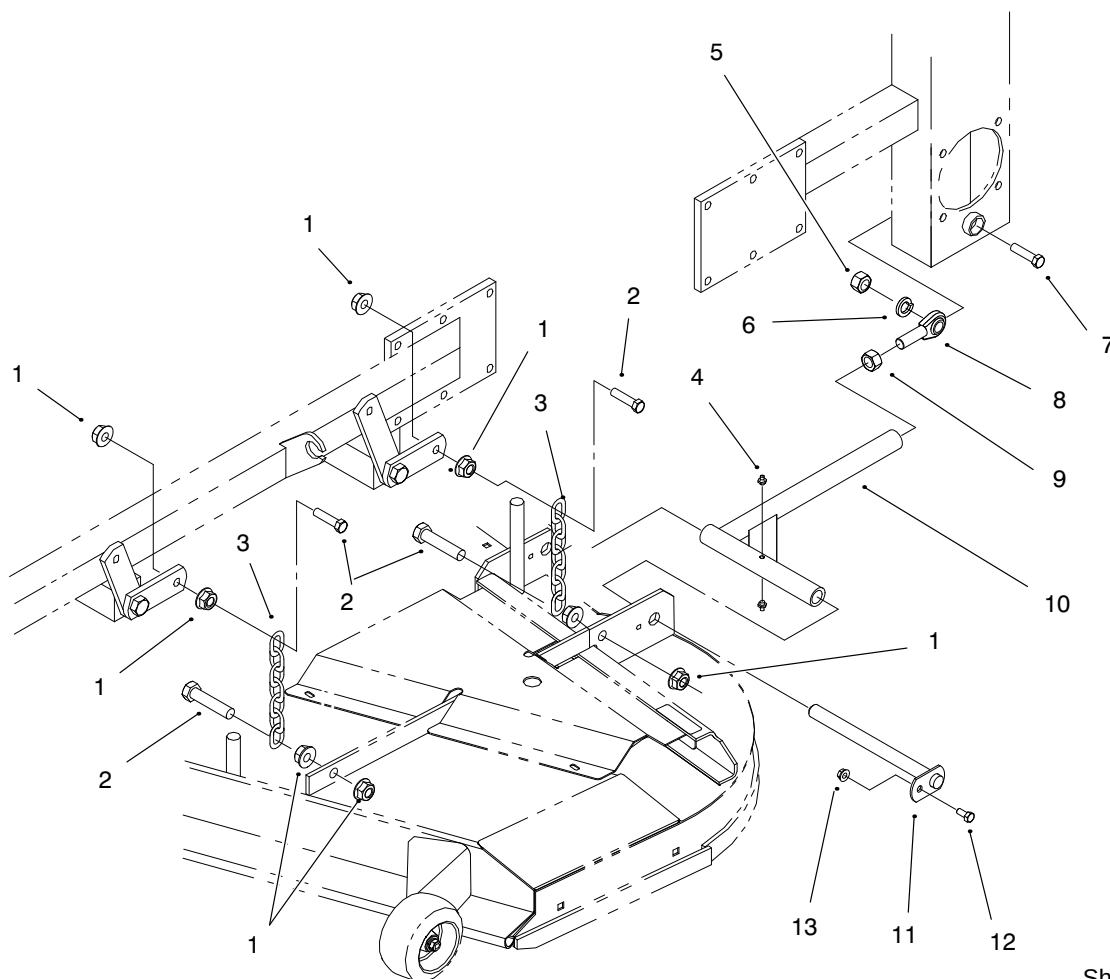
Ref. No.	Part No.	Qty.	Description



Sheet No.:10

Idler Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-5975	1	Washer				
6	E603050	1	Bushing Spacer				
7	E603384	1	Bushing-Idler Pivot				
9	E603496	2	Bushing-Idler				
10	E603805	1	Idler				
11	E603402	1	Spring-Extension				
12	E633166	1	Idler-Pulley				
14	99-4677	1	Arm ASM				
14:1	E513034	2	Bearing-Pivot				
14:3	E811008	1	Fitting-Grease				
15	323-11	2	Screw-HH				
16	323-9	1	Screw-HH				
17	323-13	1	Screw-HH				
18	E800805	1	Screw-HH				
19	32146-2	1	Nut-Lock Ni				
20	3256-24	4	Washer-Flat				
21	3290-357	6	Nut-Lock				
23	E603401	1	Spacer-Fender				
24	3256-4	3	Washer-Flat				

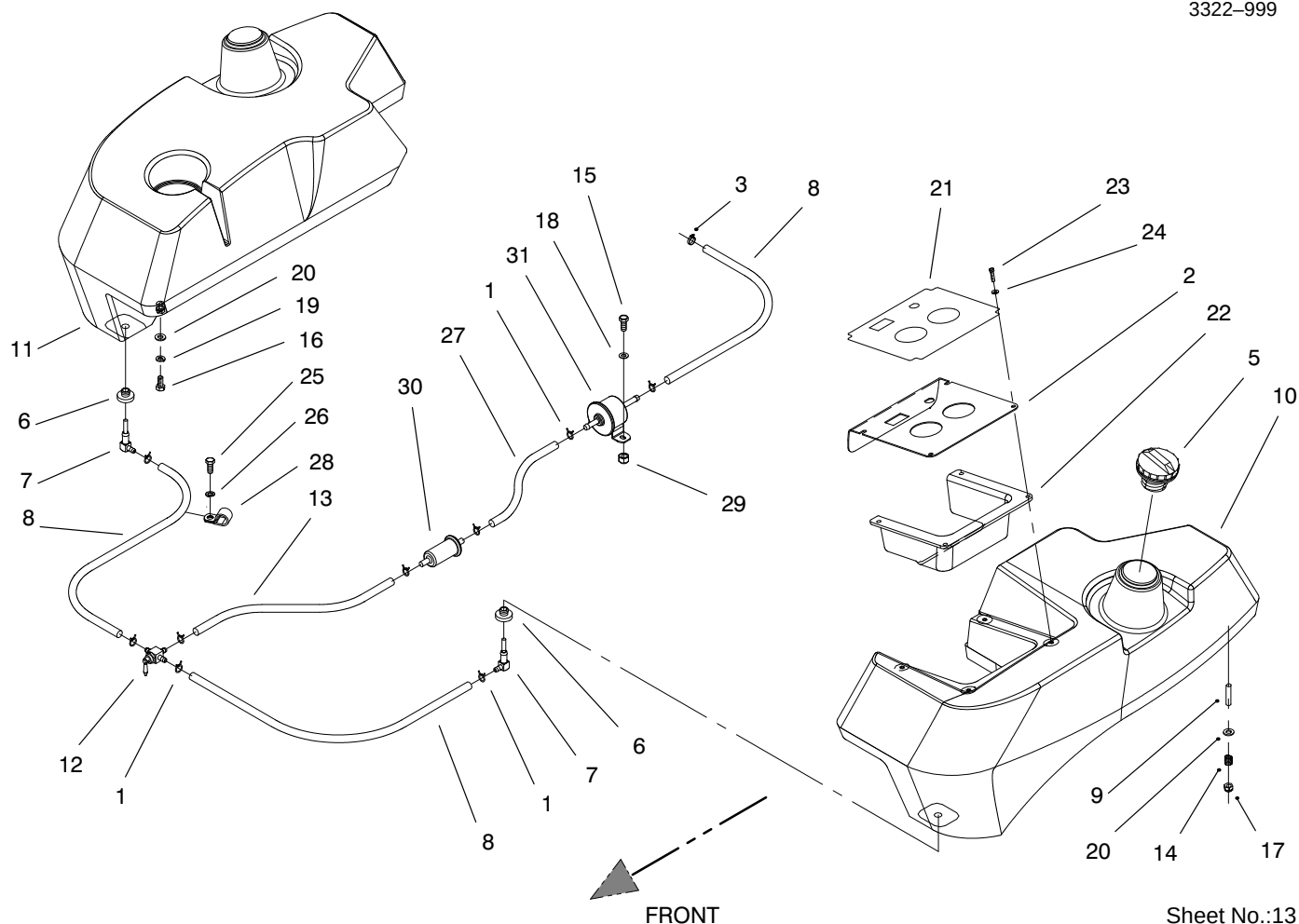


Sheet No.:12

Frame And Deck Assembly

Ref. No.	Part No.	Qty.	Description
1	32128-37	16	Nut-Whizlock
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-Hex Flange

Ref. No.	Part No.	Qty.	Description

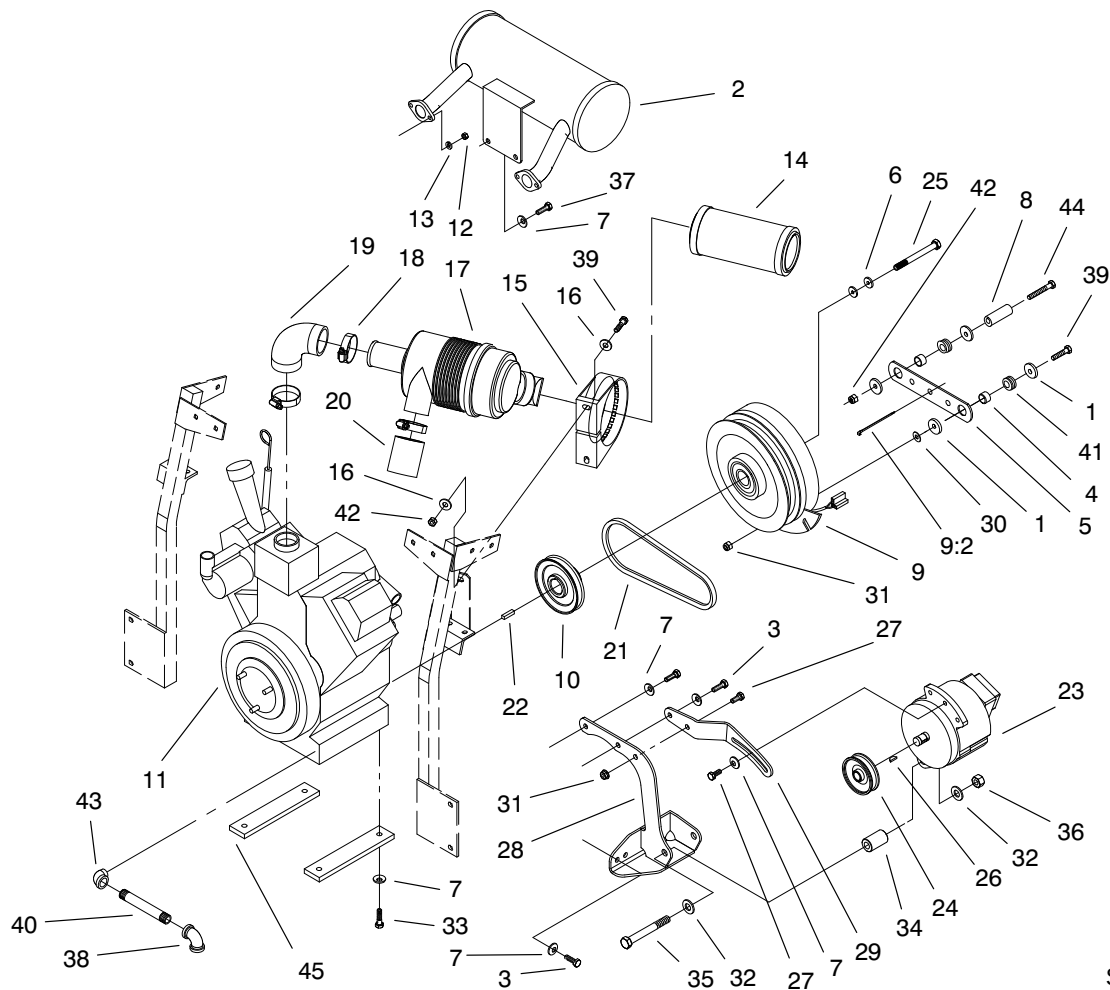


Sheet No.:13

Tank And Fuel Line

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E303077	9	Clamp – Gas Line	28	E513762	1	Clip
2	99-4617	1	Panel – Control	29	32128-33	2	Nut–Hex Flange
3	E303308	1	Clamp – Fuel Line	‡30	49019-1055	1	Kawasaki Fuel Filter
5	93-3101	2	Cap–Fuel	‡31	49040-2065	1	Kawasaki Fuel Pump
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	3296-41	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				

‡ Obtain locally.



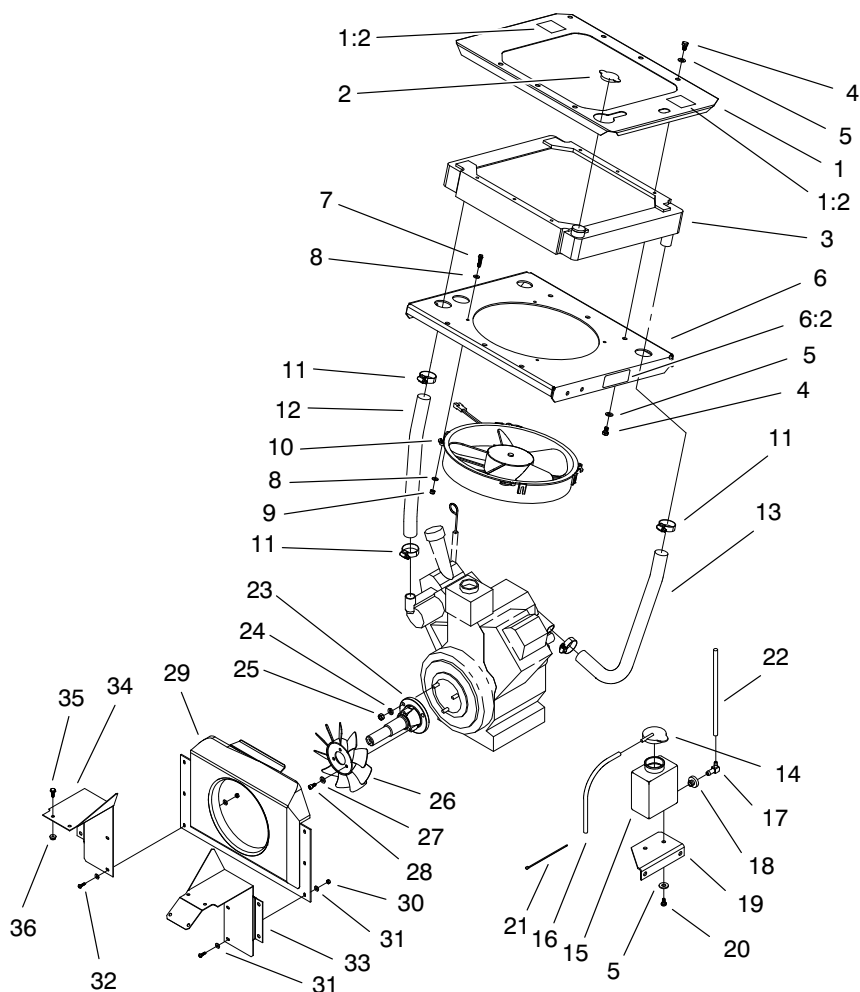
Sheet No.:14

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	E613235	4	Washer
2	E633832	1	Muffler
3	E809072	4	Screw-HH
4	E633545	2	Spacer-Grommet
5	E633543	1	Strap-Clutch/Brake
6	E603610	2	Washer – Spring, Disc
7	E303334	11	Washer-Disc Spring
8	E643008	1	Spacer – Anchor, Clutch
9	E631732	1	Clutch
9:2	E303335	1	Tie-Plastic
10	E633841	1	Sheave/Hub ASM
11	E633892	1	Engine-Kawasaki #FD661D
12	33013-00	4	Nut-Hex
13	3253-3	4	Washer-Lock/Sp
14	93-2195	1	Filter
15	95-5806	1	Bracket – Mounting, Air Cleaner
16	3256-3	4	Washer-Flat
17	95-5805	1	Air Cleaner ASM
18	E643009	3	Clamp – Hose
19	E643083	1	Hose-Air Cleaner
20	E643084	1	Hose – Inlet, Air
21	E643309	1	Belt – Alternator
22	E807259	1	Key

Ref. No.	Part No.	Qty.	Description
23	E633881	1	Alternator
*23:1	E643158	1	Regulator – Alternator
*23:2	E643159	1	Brushes – Alternator
24	E633882	1	Sheave – Alternator
25	E809096	1	Screw – HH
26	E807004	1	Key
27	322-3	1	Screw-HH
28	E632835	1	Bracket – Alternator
29	E633838	1	Arm-Tension, Alt.
30	3256-3	1	Washer-Flat
31	32128-20	2	Nut-Hex Flange
32	3256-26	2	Washer-Flat
33	E809018	4	Screw – HH
34	E633839	1	Spacer
35	325-17	1	Screw-HH
36	32146-13	2	Nut-Eslok
37	E809026	2	Screw – HH
38	E303428	1	Elbow
39	322-6	3	Screw-HH
40	E643167	1	Nipple
41	E633630	2	Grommet
42	3296-41	3	Nut-Lock Ni
43	E403124	1	Elbow – Street
44	322-38	1	Screw-HH
45	E643007	2	Spacer – Engine

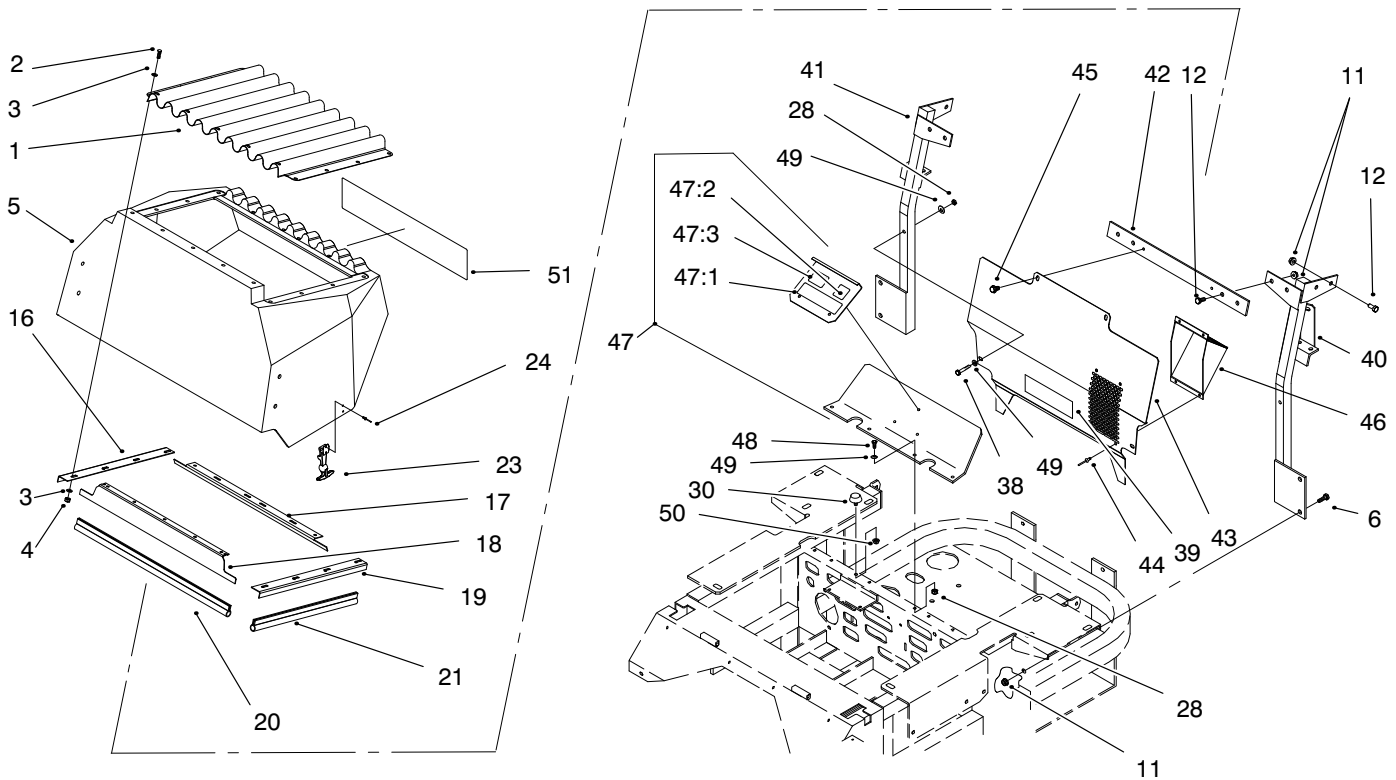
* Not illustrated



Sheet No.:15

Engine Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-4645	1	Radiator Trim Plate	19	E643024	1	Bracket – Bottle
1:2	65-2690	2	Decal–Hot Surface	20	321-2	2	Screw–HH
2	E643161	1	Cap – Radiator	21	E303287	3	Tie–Plastic
3	E633829	1	Radiator – Horizontal Mount	22	E643129	1	Hose
4	322-1	12	Screw–HH	23	E633851	1	Extension – Crankshaft
5	3256-23	14	Washer–Flat	24	3253-4	3	Washer–Lock/Sp
6	99-4644	1	Fan Mounting Plate	25	E809099	3	Nut – Hex
6:2	E643253	2	Decal – Fan, Radiator	26	E633869	1	Fan – Cooling, Pump
7	E803067	4	Screw – Hsw	27	3256-22	3	Washer–Flat
8	E805254	8	Washer – Flat	28	E809095	3	Screw – HSH
9	E804254	4	Nut – HH, Nylok	29	E633854	1	Shroud – Cooling Fan, Pump
10	E633831	1	Fan ASM – High Profile, 12 Inch	30	32146-18	6	Nut–Lock
11	E633989	4	Clamp – Hose	31	3256-14	12	Washer–Flat
12	E633894	1	Hose – Inlet, Radiator	32	E803028	6	Screw
13	E633895	1	Hose – Return, Radiator	33	E643143	1	Shield – LH
14	E643164	1	Cap – Tank, Overflow	34	E633794	1	Shield – RH
15	E643163	1	Tank – Overflow	35	321-4	6	Screw–HH
16	E643131	1	Hose	36	32128-33	6	Nut–Hex Flange
17	E643259	1	Elbow – 90 Degree				
18	E513645	1	Bushing–Valve, Fuel				

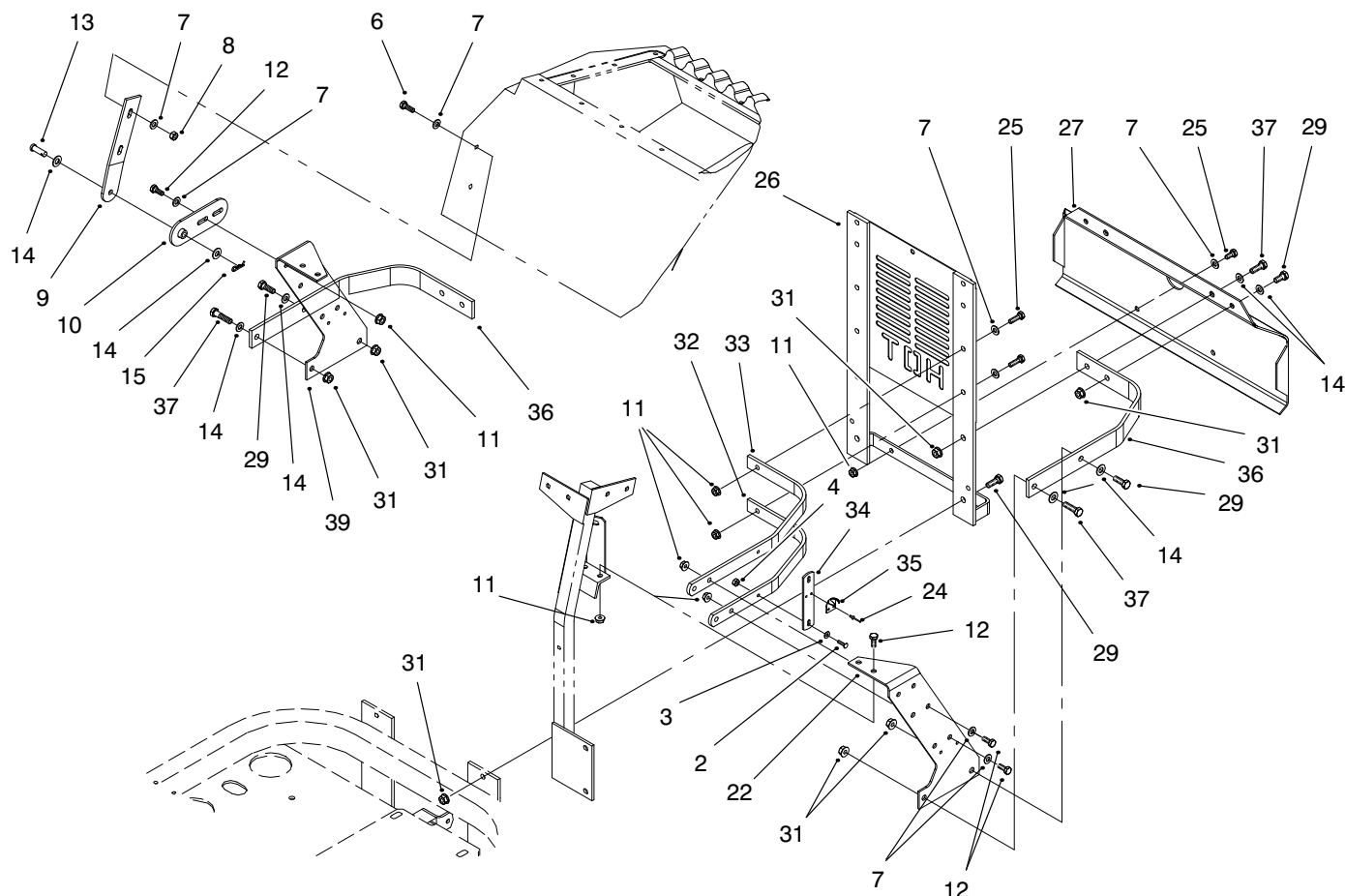


Sheet No.:16

Rear Hood Assembly

Ref. No.	Part No.	Qty.	Description
1	E633864	1	Screen – Intake, Radiator
2	E803069	17	Screw – HSBH
3	3256-14	34	Washer-Flat
4	32146-18	17	Nut-Lock
5	E633858	1	Hood – Engine
6	322-4	4	Screw-HH
11	32128-20	12	Nut-Hex Flange
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	E633771	1	Decal – Belt, Pump
40	E632984	1	Radiator Brace ASM, LH
41	E632985	1	Radiator Brace ASM, RH
42	E633878	1	Crossbar

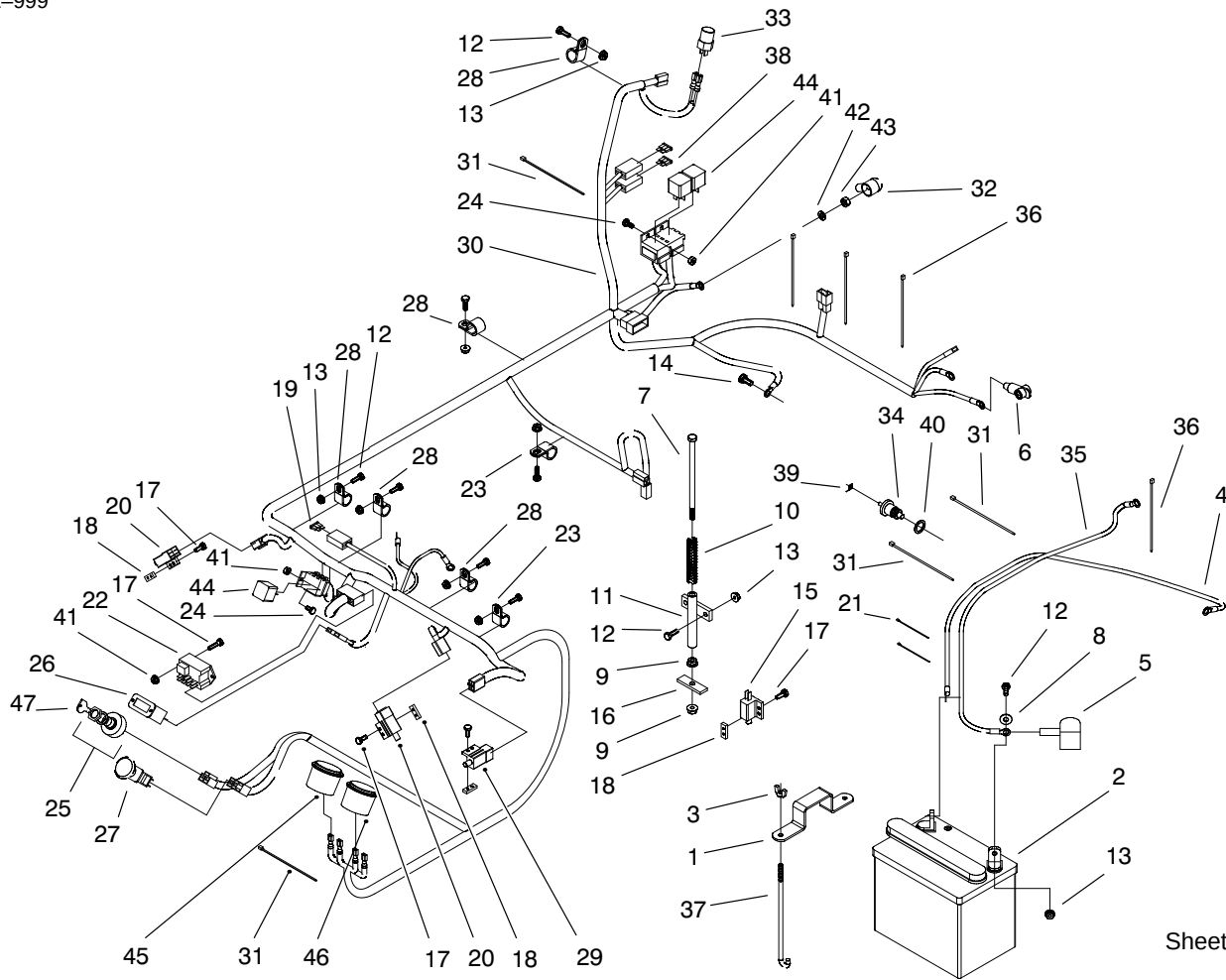
Ref. No.	Part No.	Qty.	Description
43	E643087	1	Deflector – Air
44	E803010	4	Rivet – Pop
45	E809086	2	Screw – Tapping
46	E643096	1	Plenum – Intake, Air
47	E644276	1	Shield & Decal ASM
47:1	E643252	1	Decal – Drive, Belt
47:2	E513748	1	Decal-Guard
47:3	E633462	1	Decal-Important
48	321-4	4	Screw-HH
49	E805256	6	Washer – Flat
50	32128-33	2	Nut – Whizlock
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	32146-18	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-Hex Flange				
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				
32	E633897	2	Rib – Top				
33	E633898	2	Rib – Bottom				
34	E633877	2	Bar – Hook, Latch				

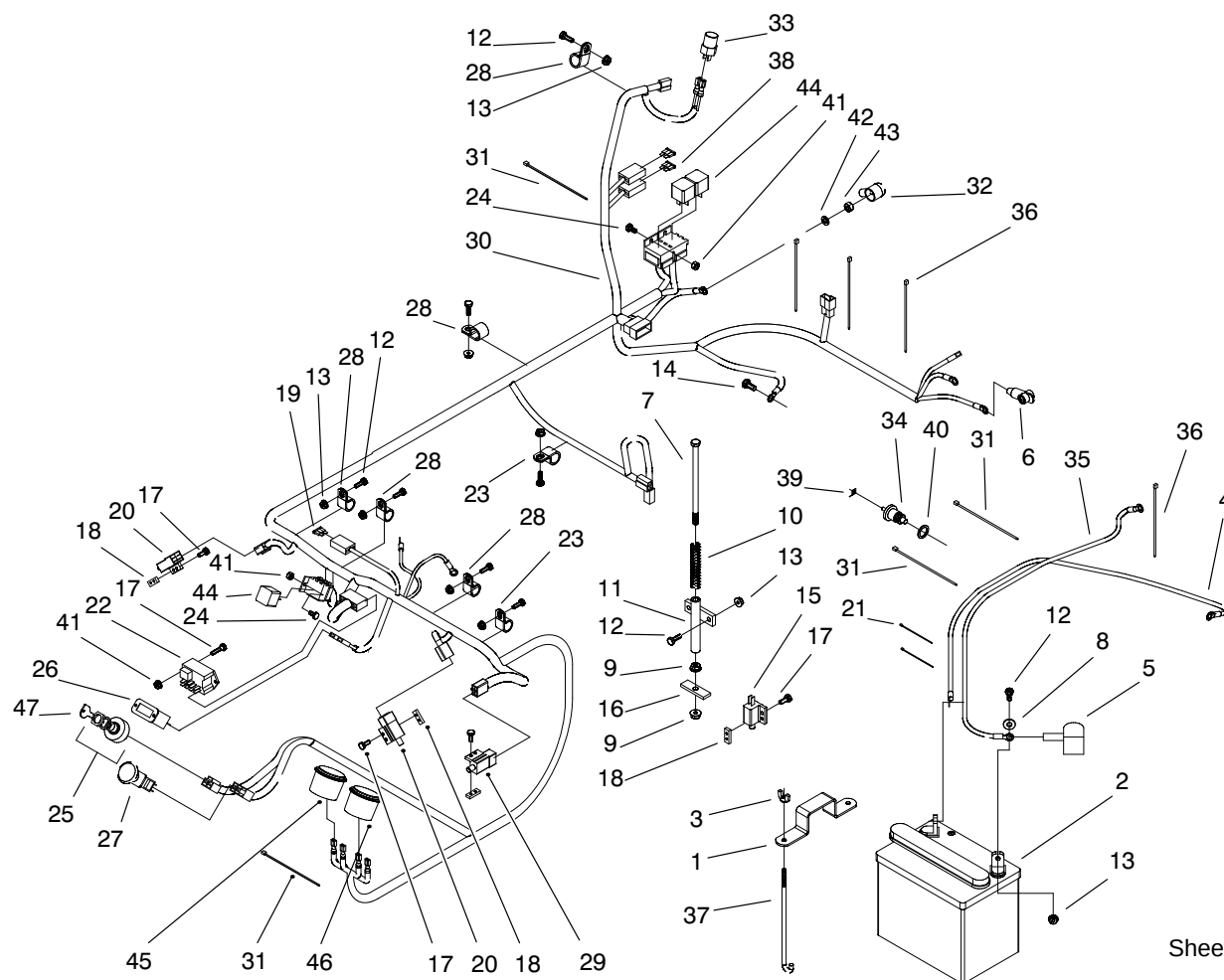


Sheet No.:18

Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	E633652	1	Strap-Battery Hold Down
2	E603479	1	Battery-12v
3	E543792	2	Wingnut-Nylok
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-Hex Flange
10	E523415	1	Spring-Switch, Seat
11	E522424	1	Spring Mount
12	321-4	11	Screw-HH
13	32128-33	11	Nut-Hex Flange
14	E809026	1	Screw - HH
15	E513152	1	Switch-Seat
16	E513180	1	Actuator - Switch, Seat
17	E803028	10	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

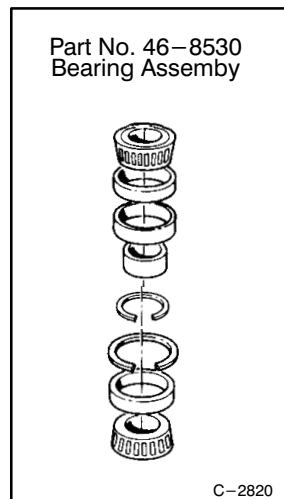
Ref. No.	Part No.	Qty.	Description
22	E633856	1	Module - Interlock, Ignition
23	E513762	2	Clip
24	E803071	3	Screw
25	E543070	1	Switch-Ignition
26	E513374	1	Meter-Engine Hours
27	E633673	1	Switch-PTO
28	E633396	5	Clip - Loom
29	E633110	1	Switch-Brake
30	E643205	1	Harness - Wiring, Toro
31	E303335	4	Tie-Plastic
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	32146-18	5	Nut-Lock
42	3253-4	1	Washer-Lock/Sp
43	33014-00	1	Nut-Hex



Sheet No.:18

Electrical Assembly (Continued)

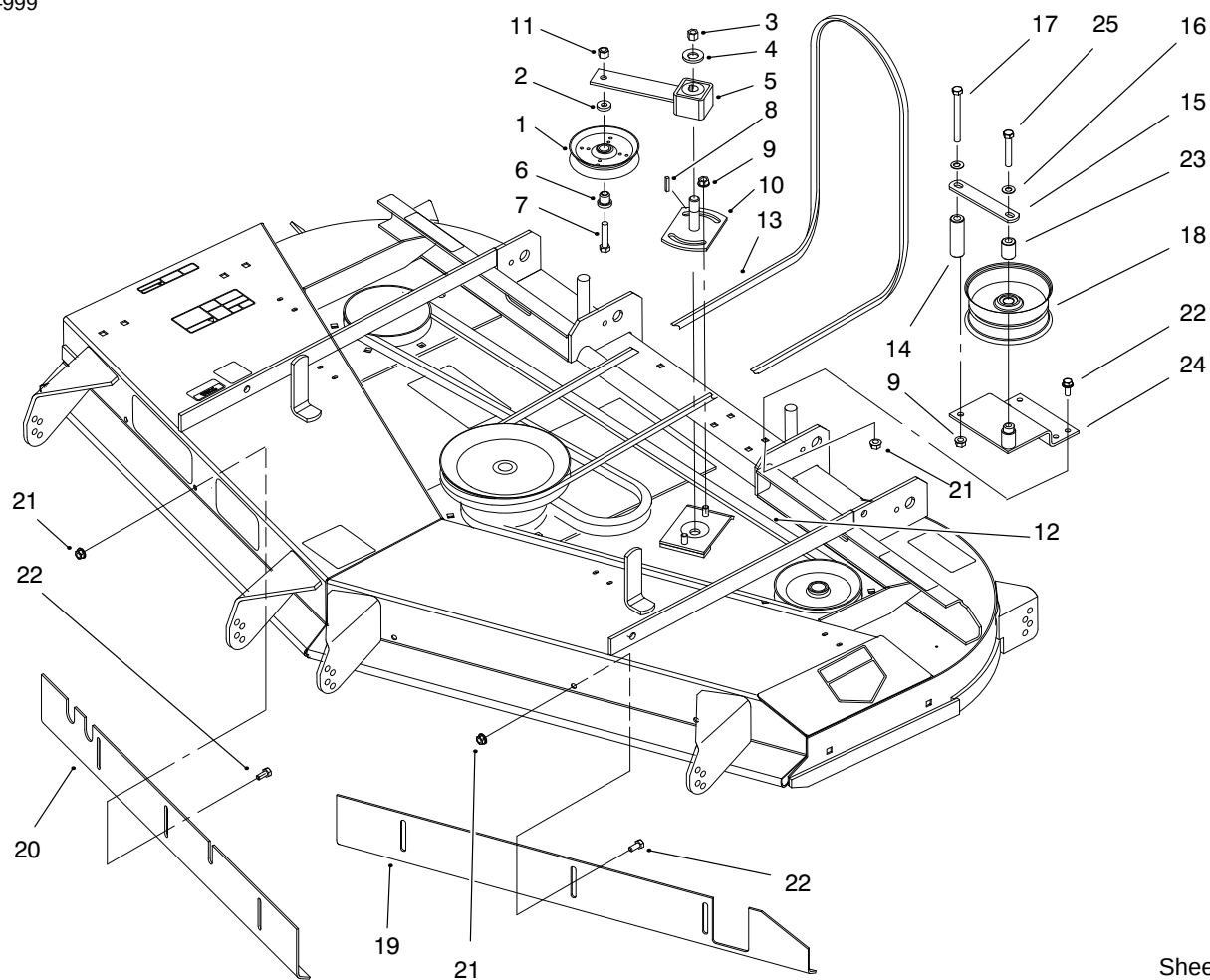
Ref. No.	Part No.	Qty.	Description
44	E643275	3	Relay
45	E643037	1	Gauge – Voltmeter
46	E643021	1	Gauge – Temperature
47	63–8360	2	Key–Ignition w/Shield



Spindle And Pulleys Assembly

Sheet No.:33

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	51-1530-01	2	Bracket-Hinge	21:8	99-4614	1	Pulley & Hub
3	325-17	2	Screw-HH	21:9	32146-20	1	Nut-Jam
4	51-1550	2	Spring	21:10	7-4150	1	Washer-Pinion
5	99-8933	1	Belt-Guide	22	99-4944	1	Spindle Housing ASM
6	3290-357	4	Nut-Lock	22:1	302-2	1	Fitting-Grease
7	14-0909	1	Deflector ASM	22:2	32146-20	1	Nut-Jam
7:2	54-9220	1	Decal-Danger	22:3	92-5836	1	Washer - Axle
8	32153-5	2	Nut-Lock	22:4	99-4939-03	1	Pulley & Hub ASM
9	323-8	1	Screw-HH	22:5	61-4160	1	Spindle
10	3256-3	1	Washer-Flat	22:6	46-8530	1	Bearing ASM
11	32128-17	8	Nut-Flange Lock	22:7	253-139	2	Seal-Oil
13	3290-321	8	Screw-HWH	22:8	27-0950	1	Spacer-Bearing, Spindle
14	249-21	4	Clamp-Slotted	22:9	51-3551	1	Shaft-Spindle
15	92-5816	2	Flangebolt-Blade	22:10	92-5816	1	Flangebolt-Blade
17	E513435	3	Washer-Spring	23	3231-22	20	Screw-CARR
18	44-6250	3	Blade 21.5	24	3231-33	1	Screw-CARR
19	3256-24	1	Washer-Flat	25	105316	1	Cap-Plunger Rod
20	32128-21	18	Nut-Flange Lock				
21	99-4640	2	Spindle Housing ASM				
21:1	27-0920	1	Shaft-Spindle				
21:2	302-2	1	Fitting-Grease				
21:4	46-8530	1	Bearing ASM				
21:5	27-0950	1	Spacer-Bearing, Spindle				
21:6	253-139	2	Seal-Oil				
21:7	61-4160	1	Spindle				

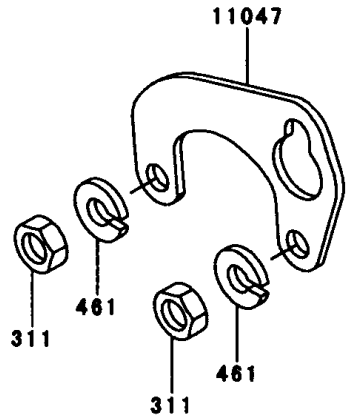
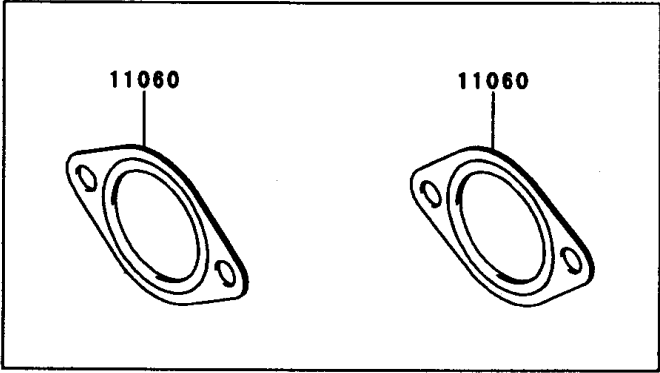


Sheet No.:34

Deck, Belts And Idler Arm Assembly

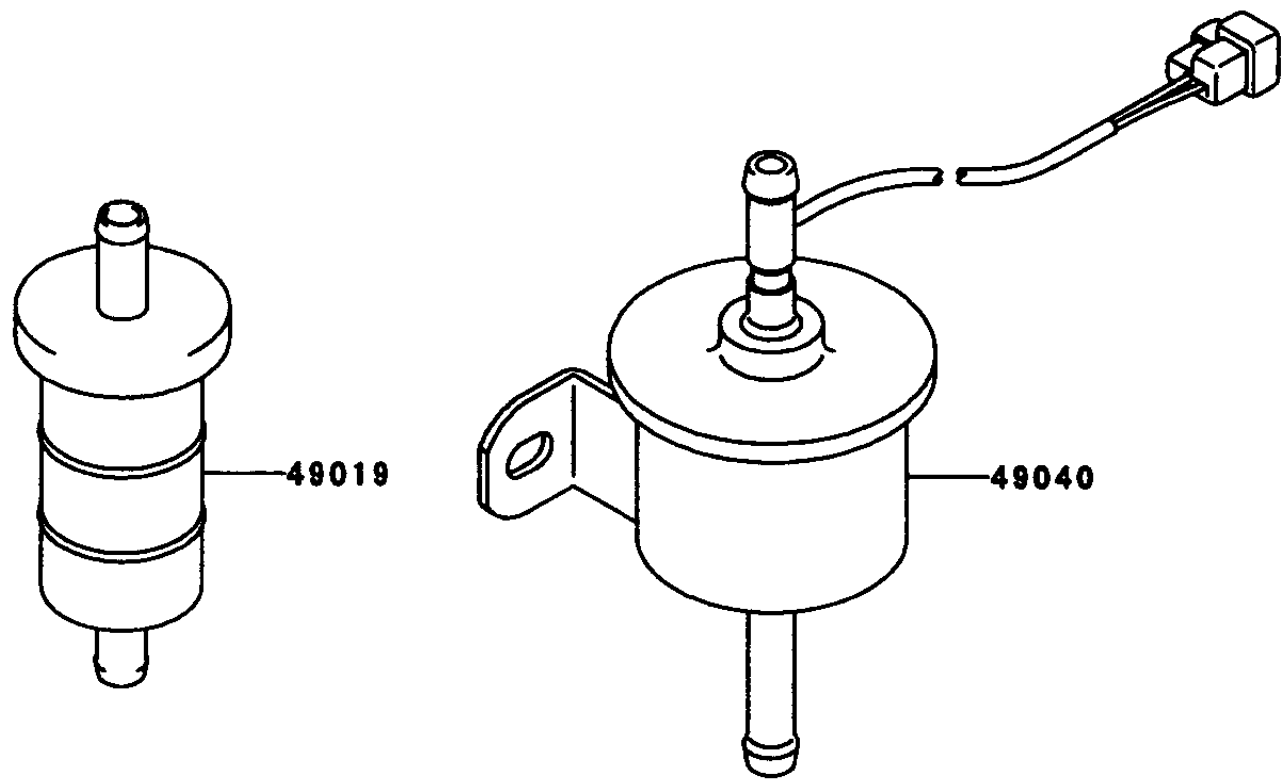
Ref. No.	Part No.	Qty.	Description
1	65-5940	1	Idler Pulley
2	7-0081	1	Washer – Flat
3	3296-71	1	Nut–Lock Ni
4	3256-27	1	Washer–Flat
5	27-8580	1	Idler Socket & Bushing ASM
6	65-5950	1	Bushing–Pulley
7	3211-8	1	Screw–HH
8	5-1077	1	Square Key
9	3290-357	3	Nut–Lock
10	44-6301	1	Plate–Idler, LH
11	3296-5	1	Nut–Lock Ni
12	44-6260	1	V Belt
13	99-4647	1	V Belt–Deck Drive
14	99-4659	1	Spacer
15	E653189	1	Plate–Belt Guide
16	E303327	2	Washer
17	323-42	1	Screw
18	E413099	1	Pulley–Idler
19	99-2833-03	1	Front Baffle–LH
20	99-2834-03	1	Front Baffle–RH
21	32128-20	10	Nut–Hex Flange
22	3234-5	10	Screw–HHF
23	E653190	1	Spacer
24	99-4684	1	Bracket
25	323-11	1	Screw–HH

Ref. No.	Part No.	Qty.	Description



Air Filter/Muffler – Kawasaki FD661D S03

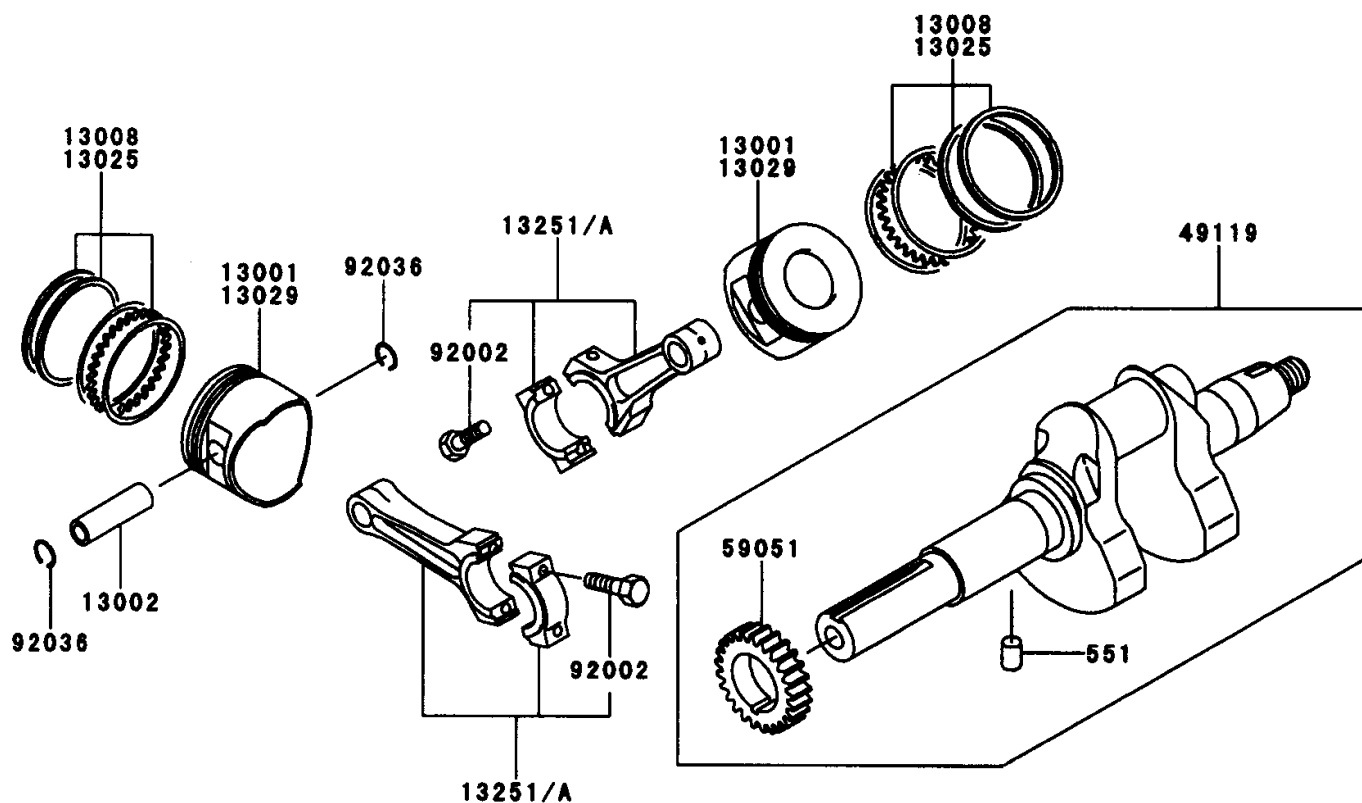
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11047	11047-2057-9H	1	Bracket				
11060	11060-2448	2	Gasket				
311	311G0600	2	Nut-Hex				
461	461F0600	2	Washer				



Fuel-Tank/Fuel-Valve – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description
49019	49019-1055	1	Filter-Fuel
49040	49040-2065	1	Pump-Fuel

Ref. No.	Part No.	Qty.	Description

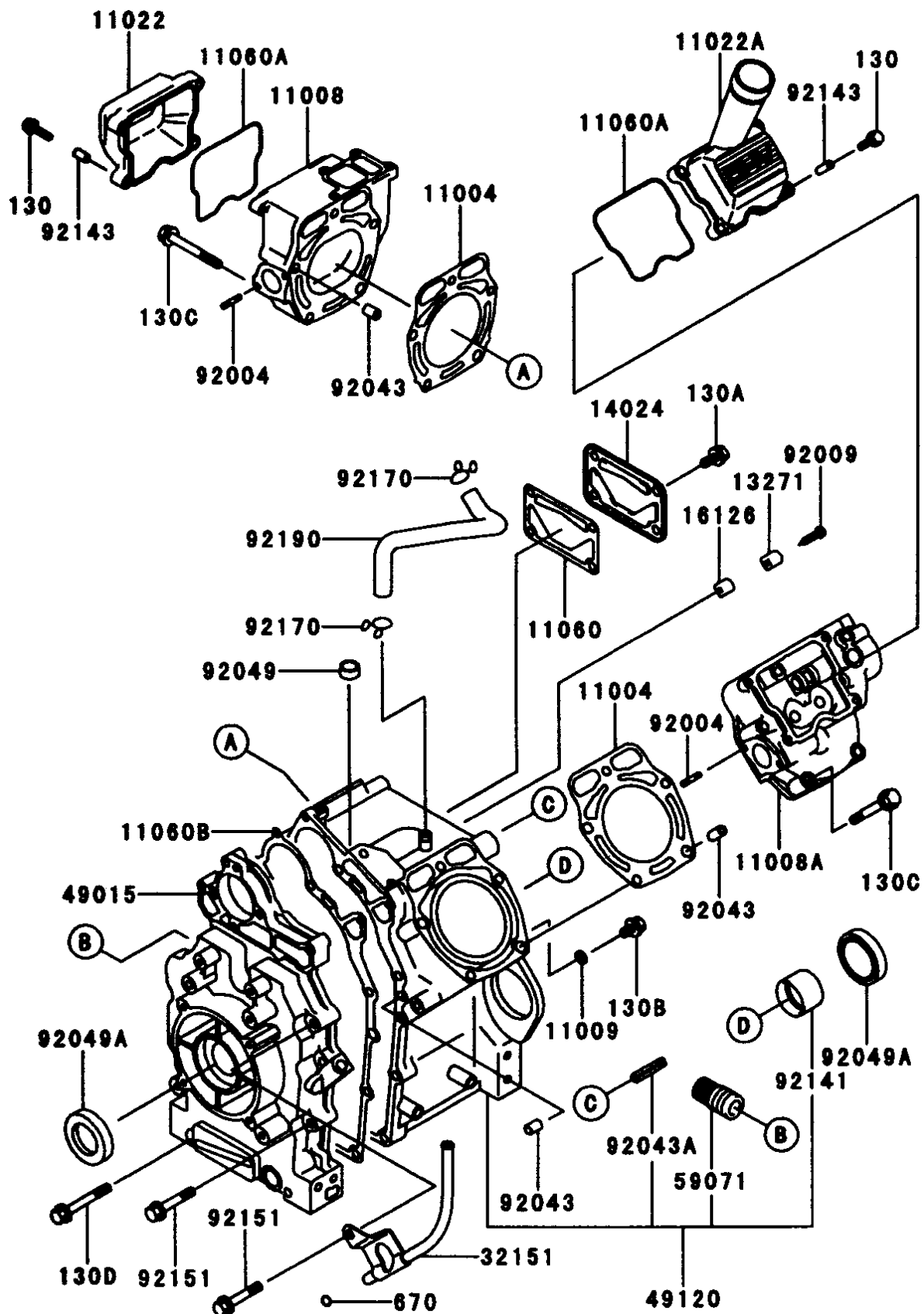


Piston/Crankshaft – Kawasaki FD661D S03

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

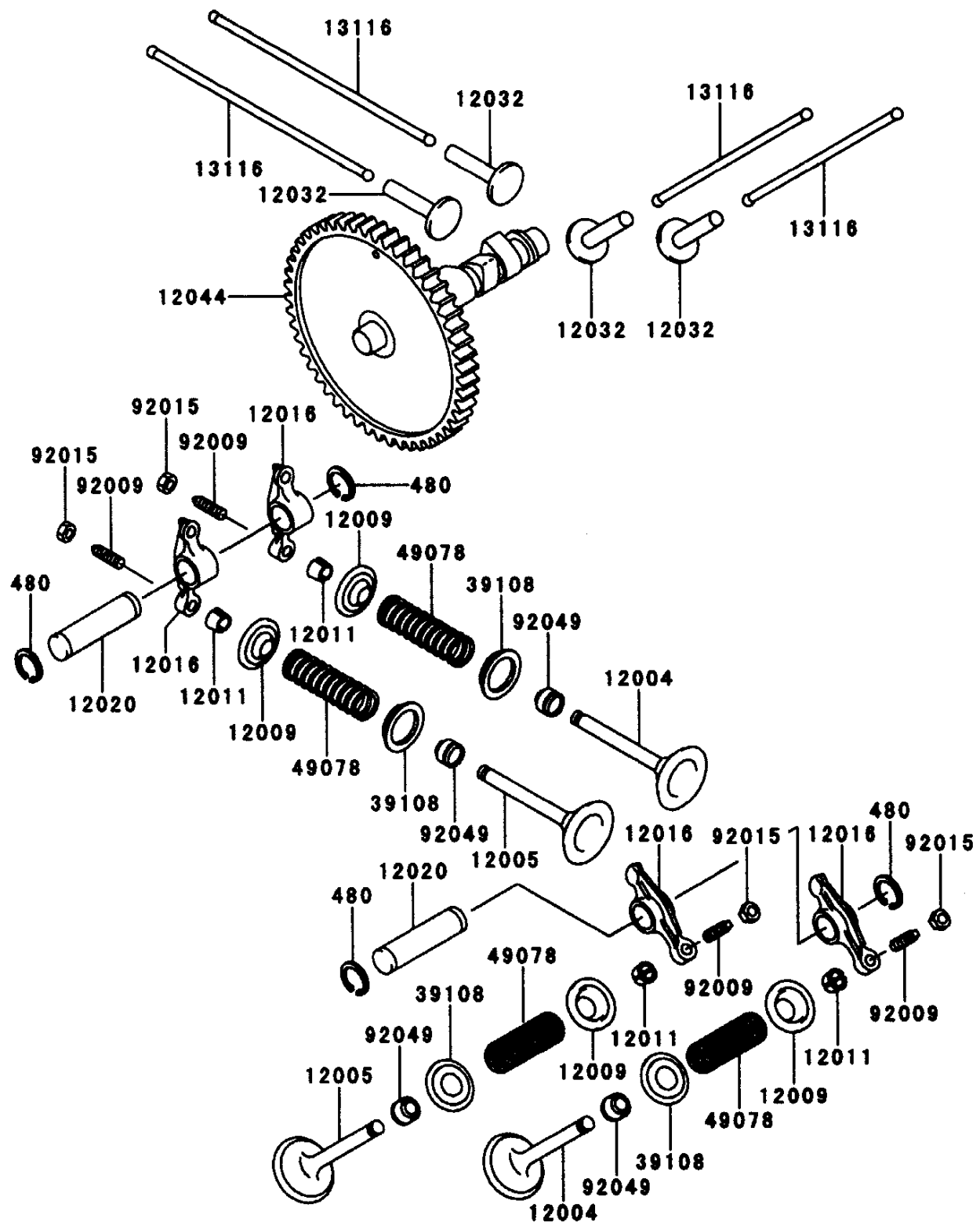
Ref. No.	Part No.	Qty.	Description

Cylinder/Crankcase – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description

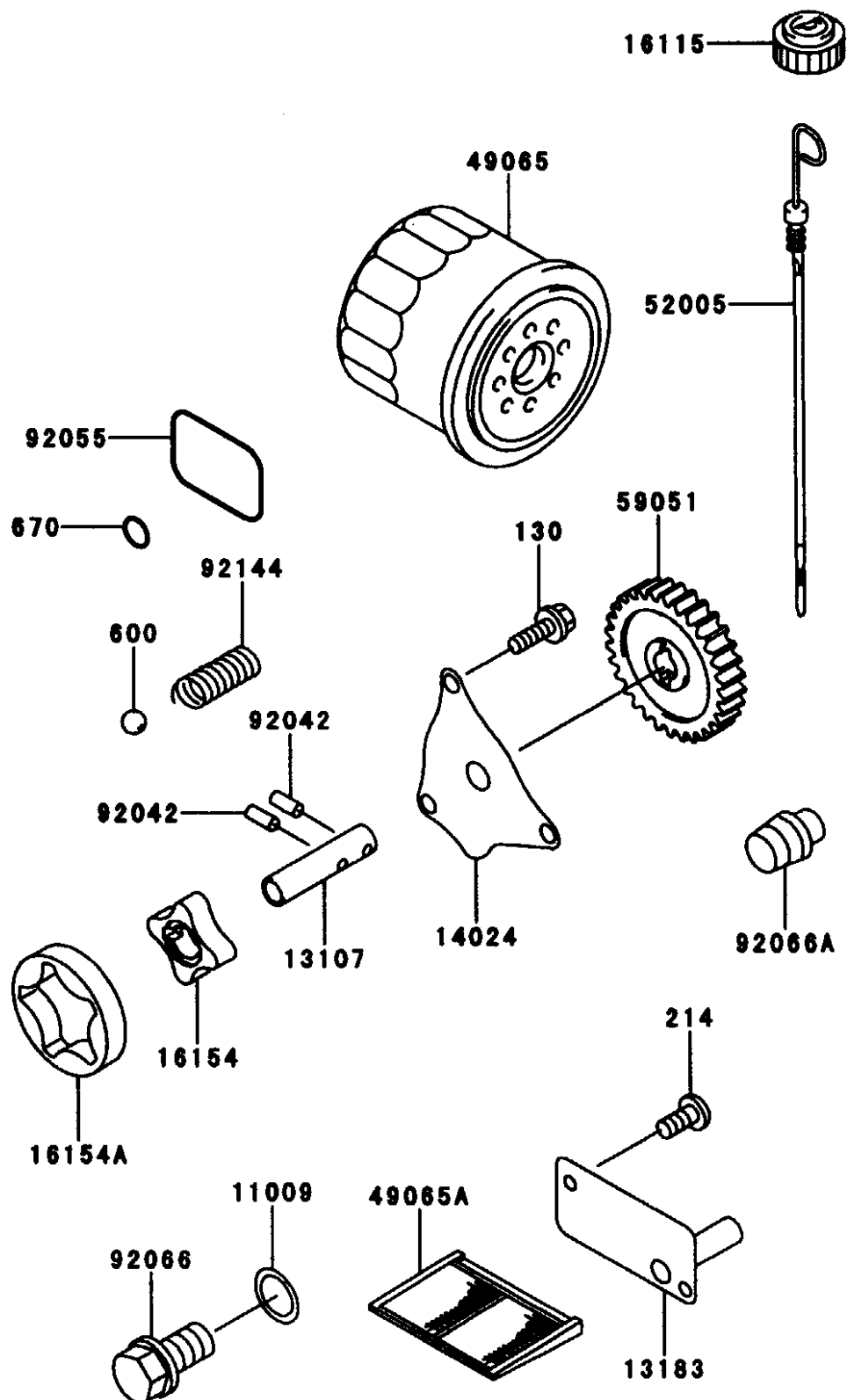
Valve/Camshaft – Kawasaki FD661D S03



Valve/Camshaft – Kawasaki FD661D S03

Ref. No.	Part No.	Qty.	Description	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				

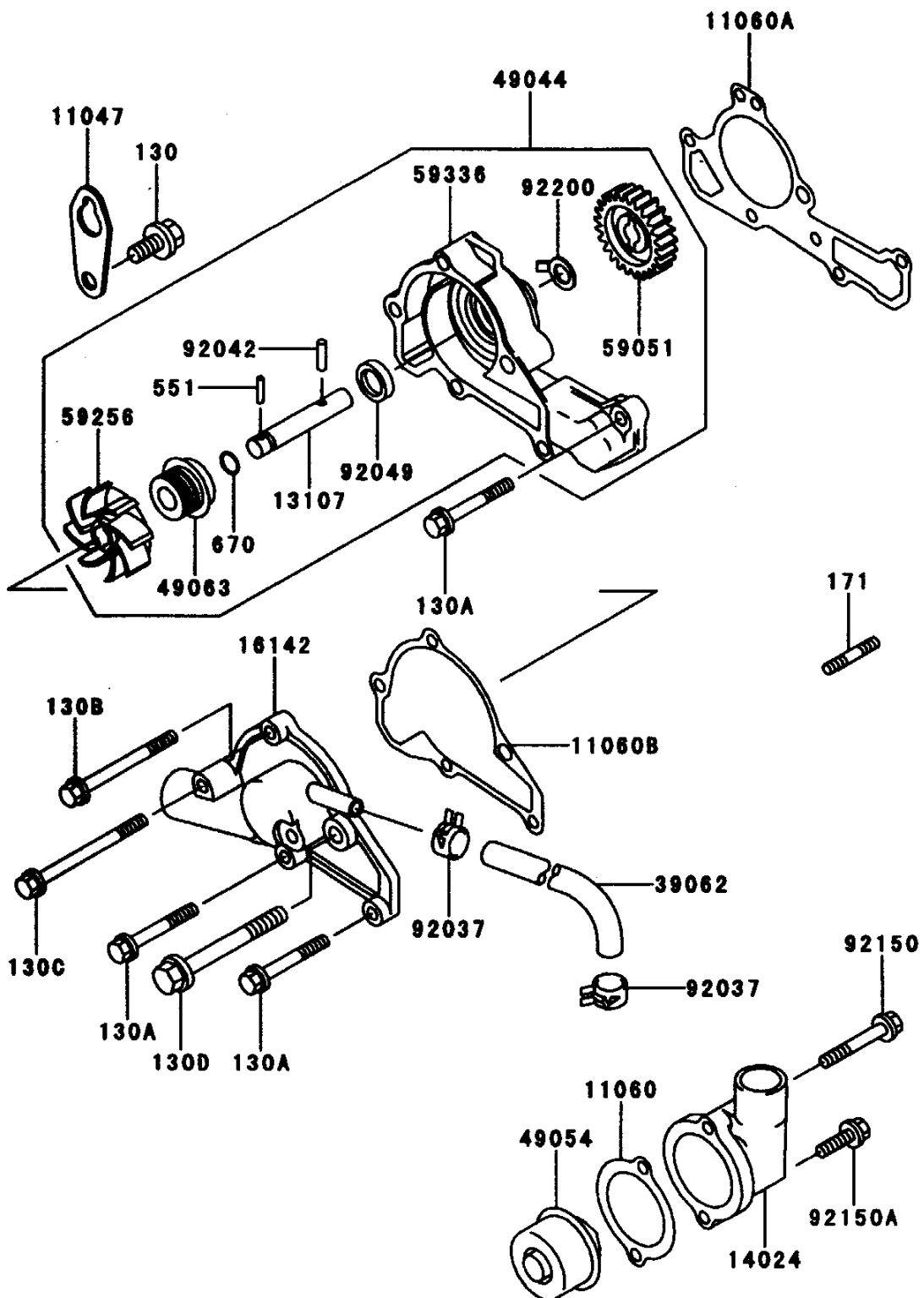
Lubrication-Equipment – Kawasaki FD661D S03



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

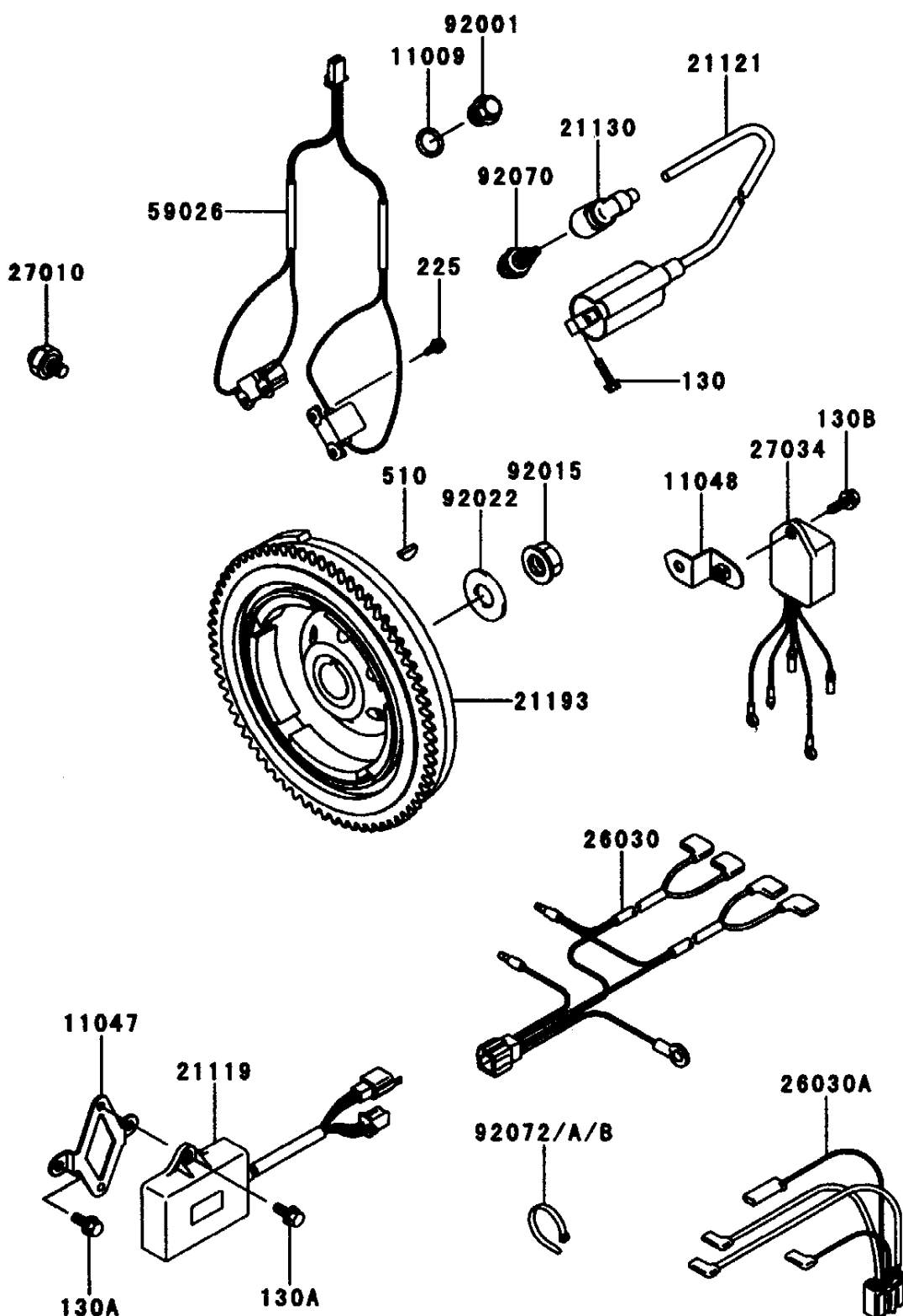
Cooling-Equipment – Kawasaki FD661D S03



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

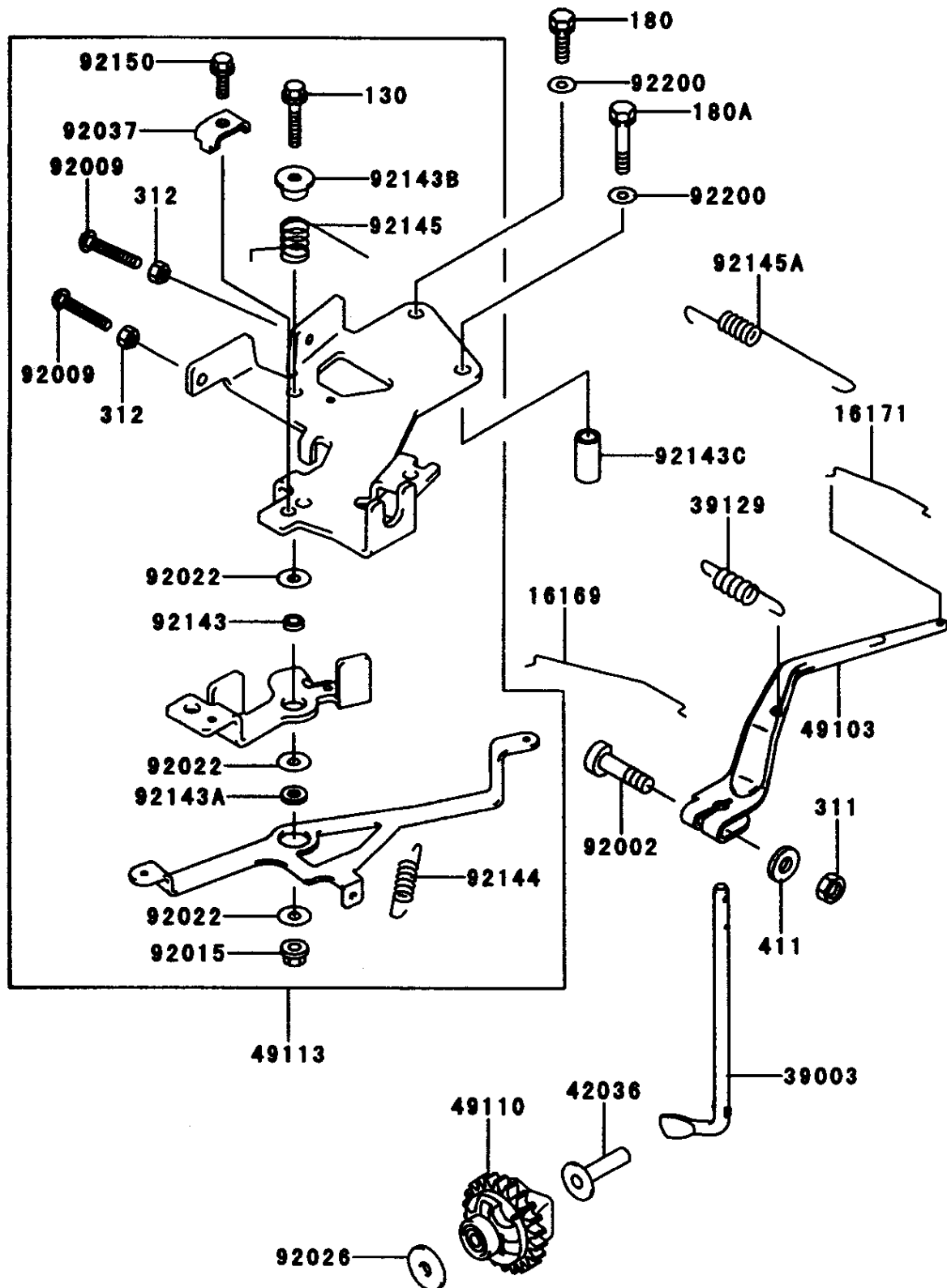
Ref. No.	Part No.	Qty.	Description

Electric-Equipment – Kawasaki FD661D S03



Ref. No.	Part No.	Qty.	Description

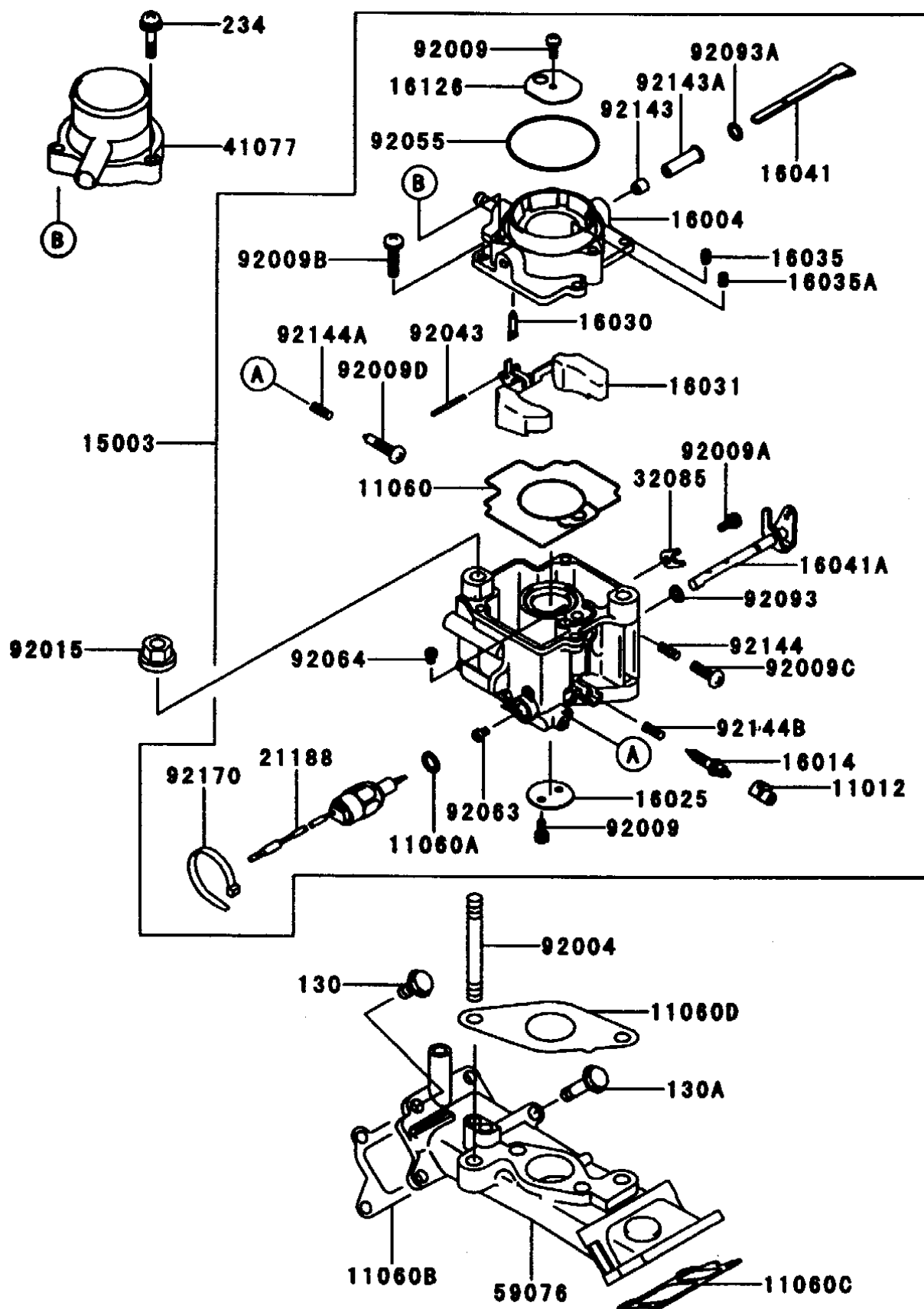
Control-Equipment – Kawasaki FD661D S03



Control-Equipment – Kawasaki FD661D S03

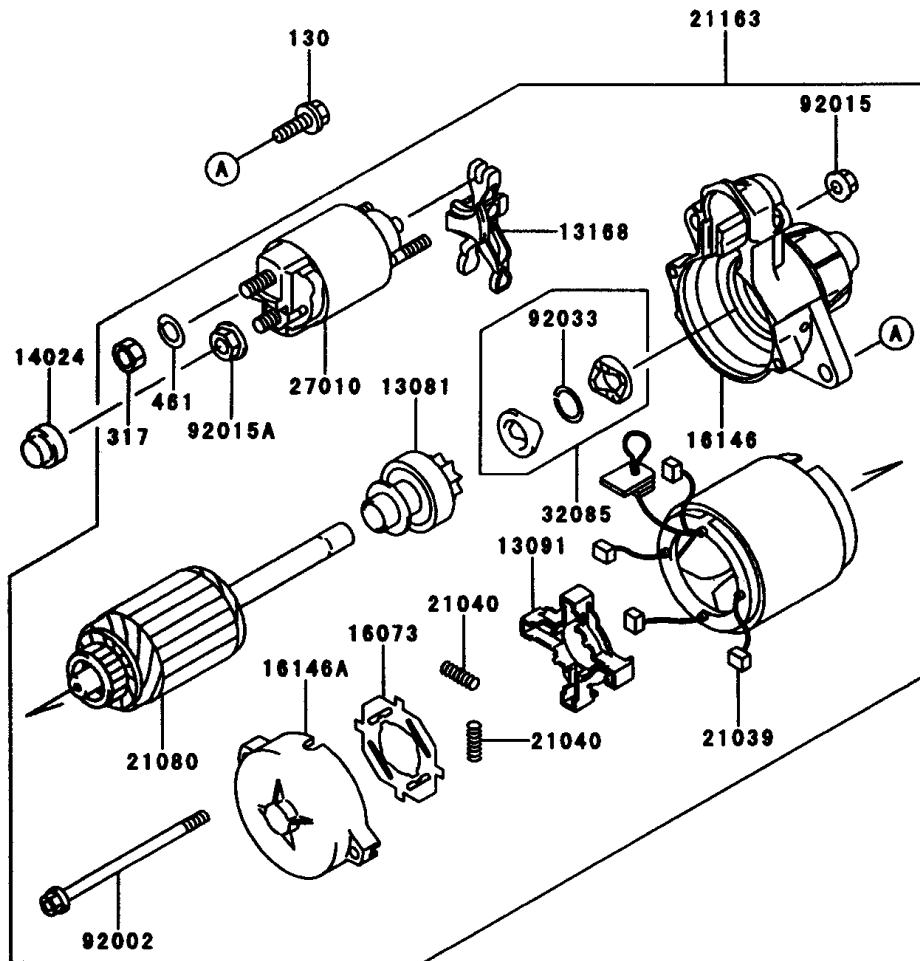
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
16169	16169-2092	1	Link-Choke				
16171	16171-2065	1	Link				
39003	39003-2083	1	Arm-Pivot				
39129	39129-2081	1	Spring-Governor				
42036	42036-2060	1	Sleeve				
49103	49103-2141	1	Arm-Governor				
49110	49110-2091	1	Governor-Assy				
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				

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

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