FORM NO. 3322–999

TORO®

Z–Master™

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
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HFW	hex flange washer
HH	hex head
HHF	hex head flange
HHST	hex head self tapping
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
INC	incorporated
LH	left hand
PH	pan head
PPH	Phillips pan head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
STD	standard
TAP	self tapping
TH	truss head
TTH	Torx truss head
WH	wing 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.

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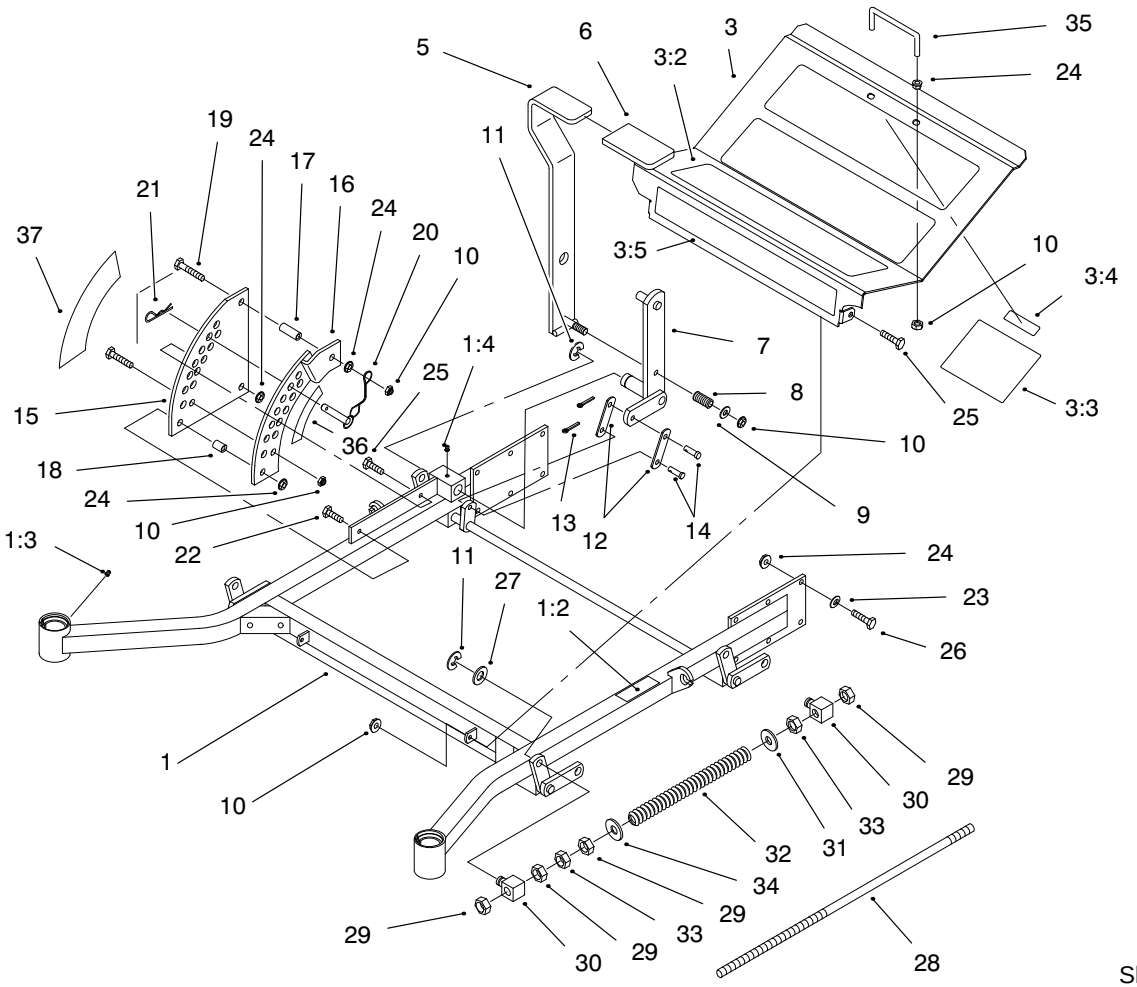
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

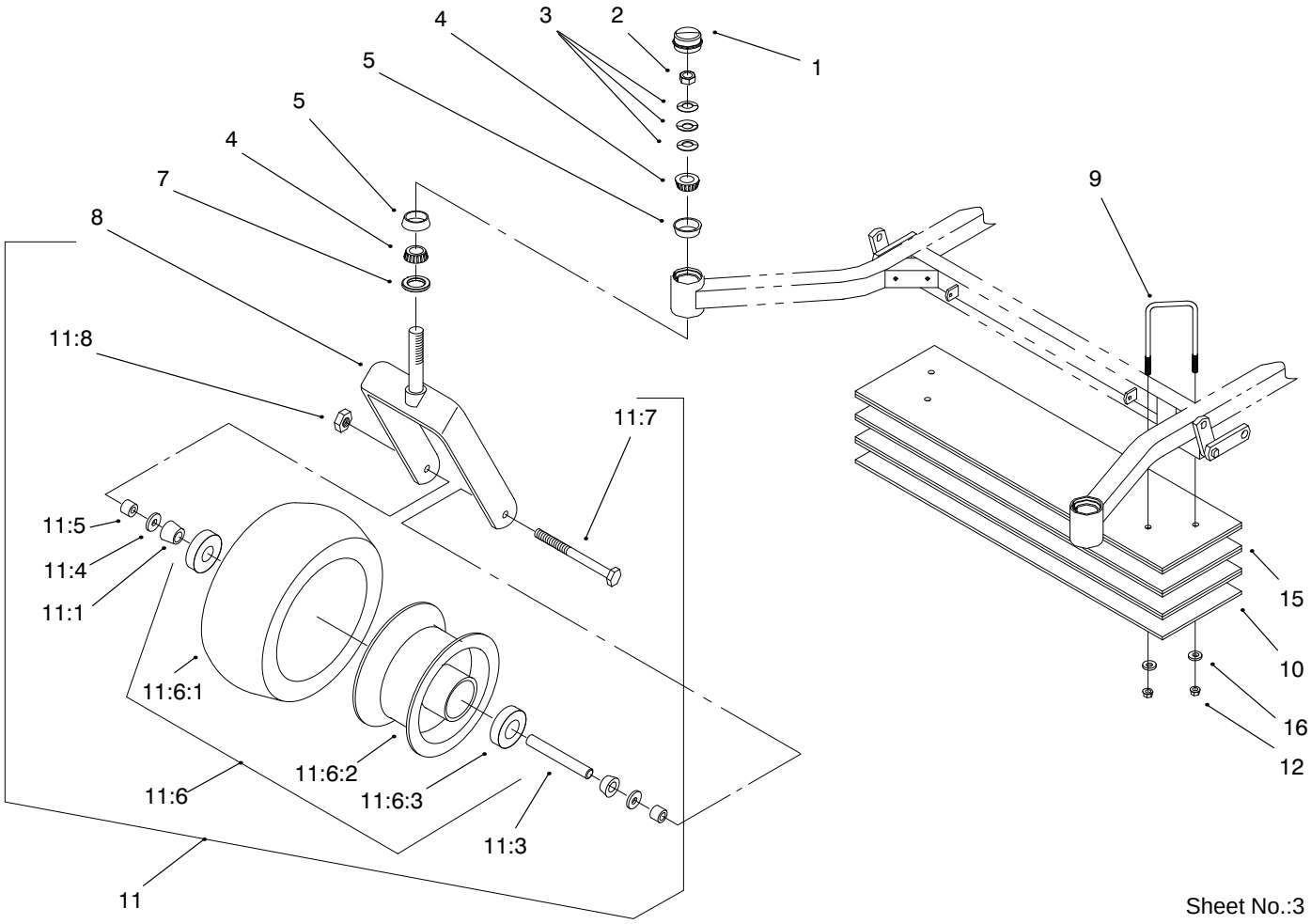


Sheet No.:2

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

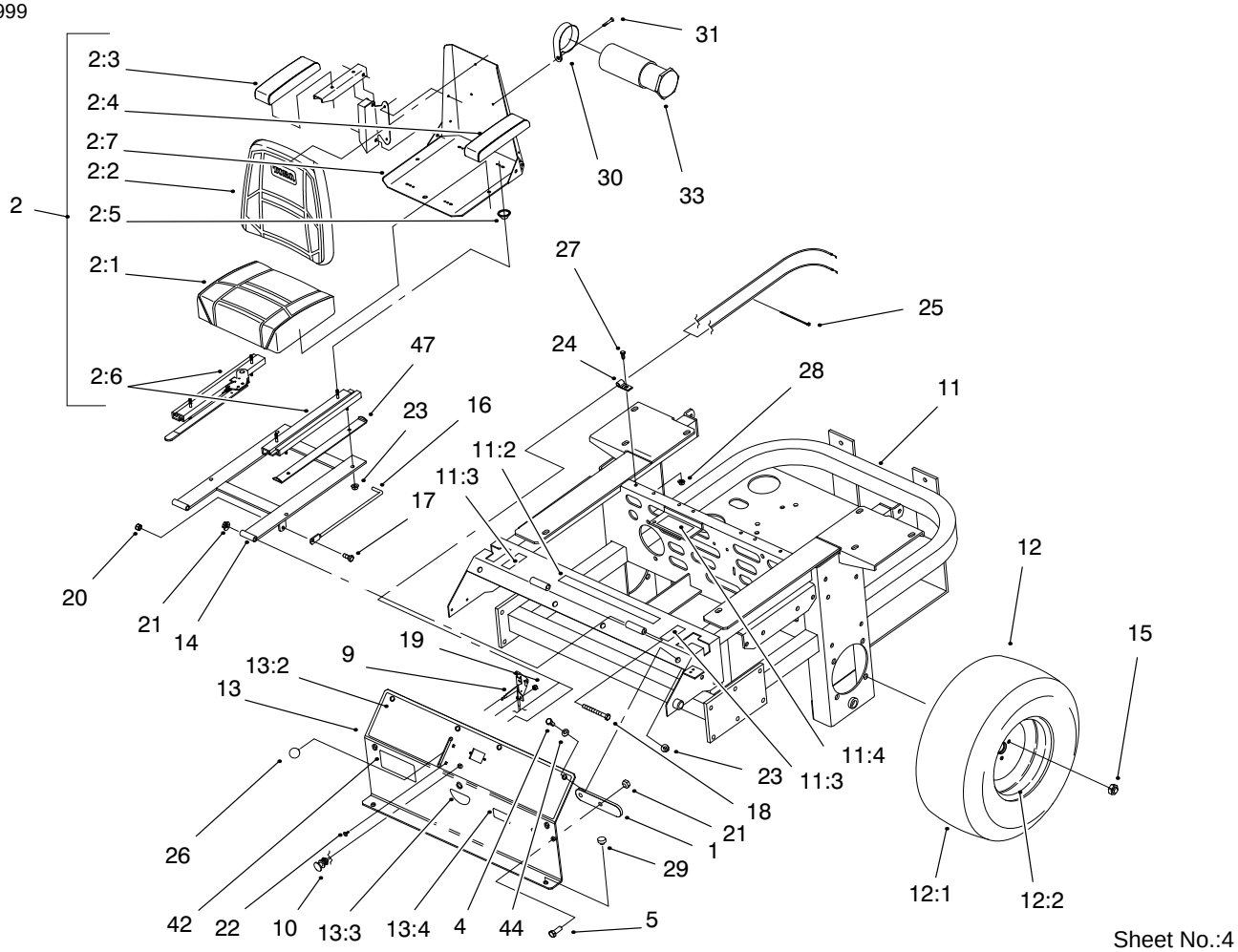


Sheet No.:3

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

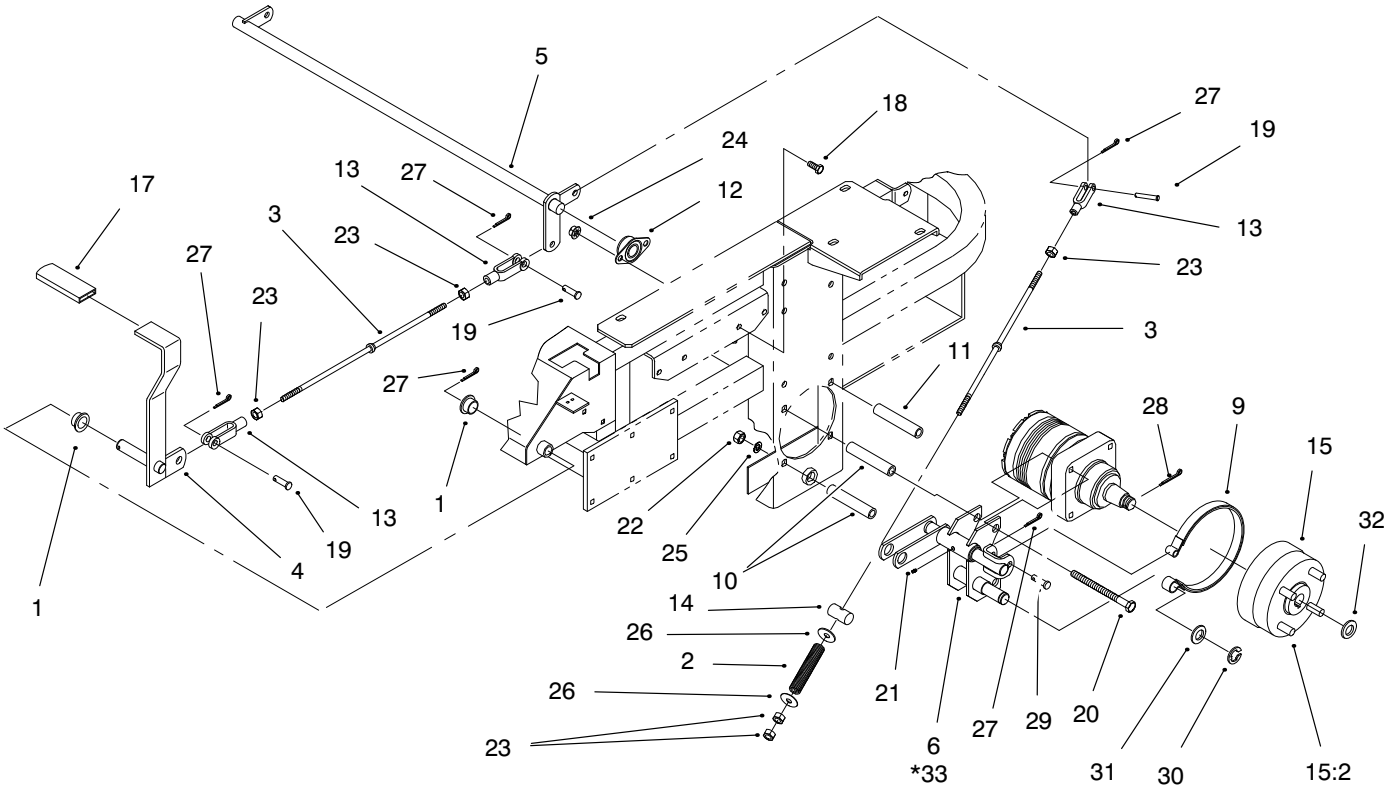


Sheet No.:4

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



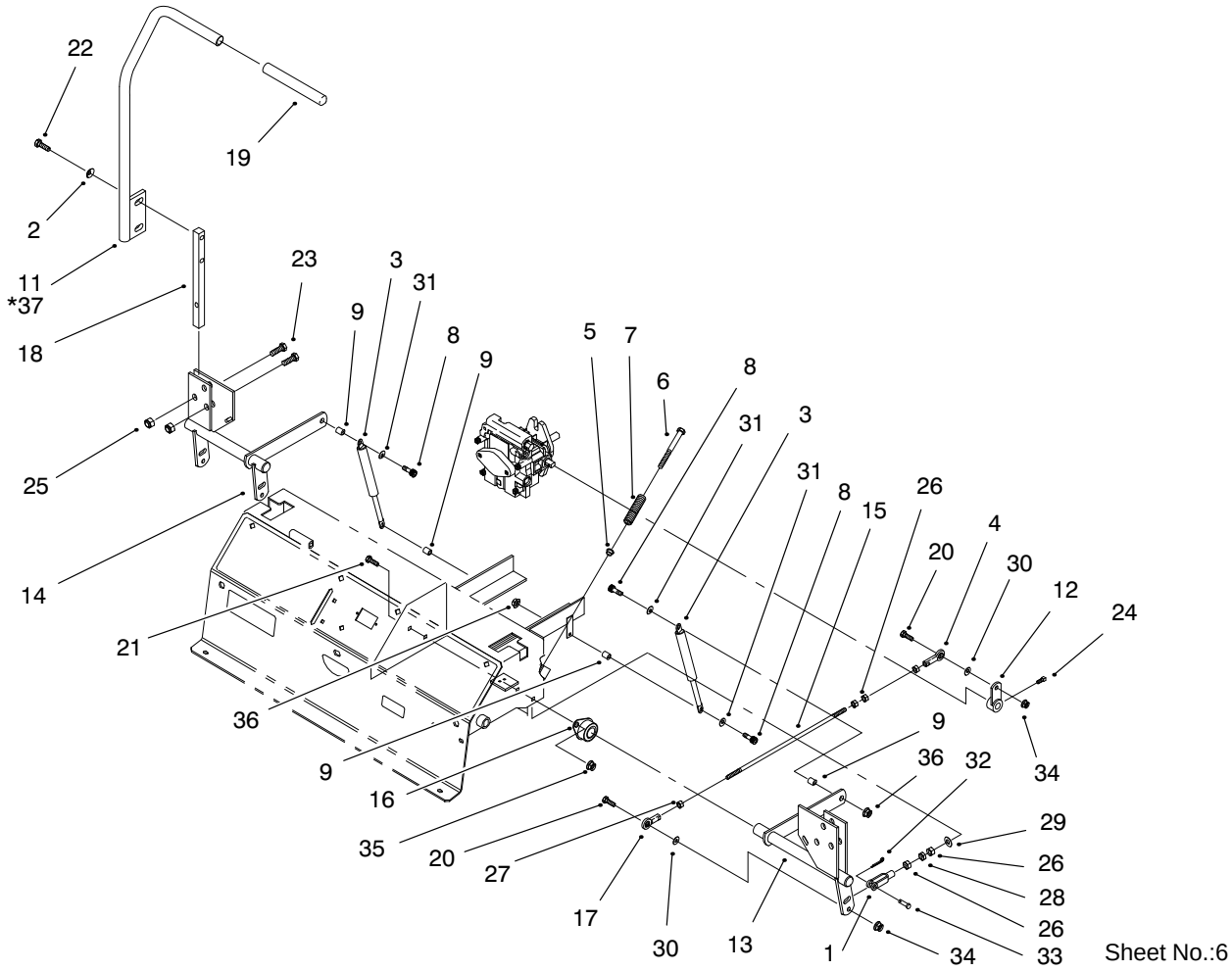
Sheet No.:5

Brake And Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description
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	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

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	E632713	1	Bracket–Brake, RH

* Not illustrated



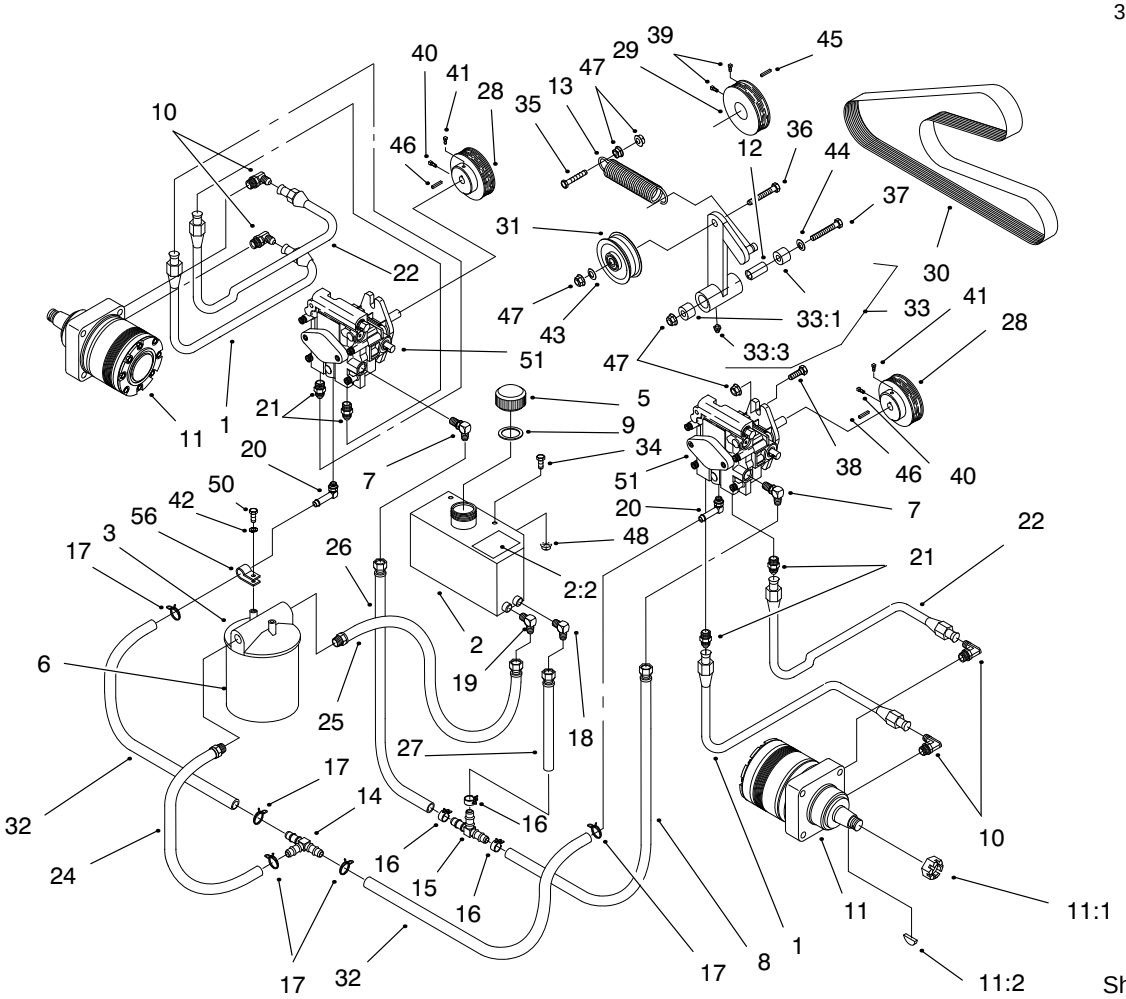
Sheet No.:6

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

* Not illustrated

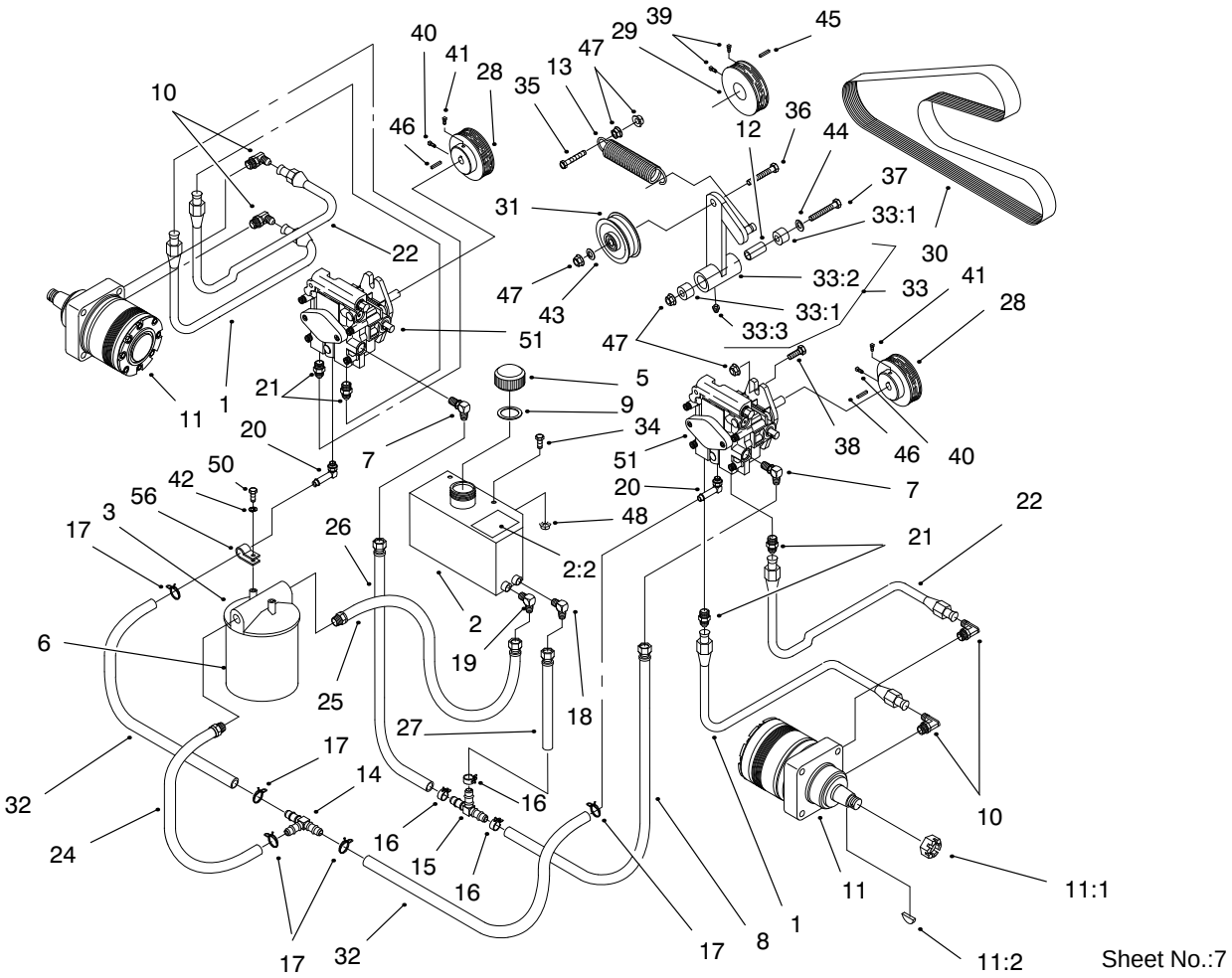


Sheet No.:7

Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	E633776	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 Reservior
6	E633750	1	Filter–Hydro
6	E633752	1	Filter–Winter Hydro
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	E633777	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–Sq Hd Set
41	3242–4	2	Screw–Sq Hd Set
42	3253–3	2	Washer–Lock/Sp
43	3256–3	1	Washer–Flat

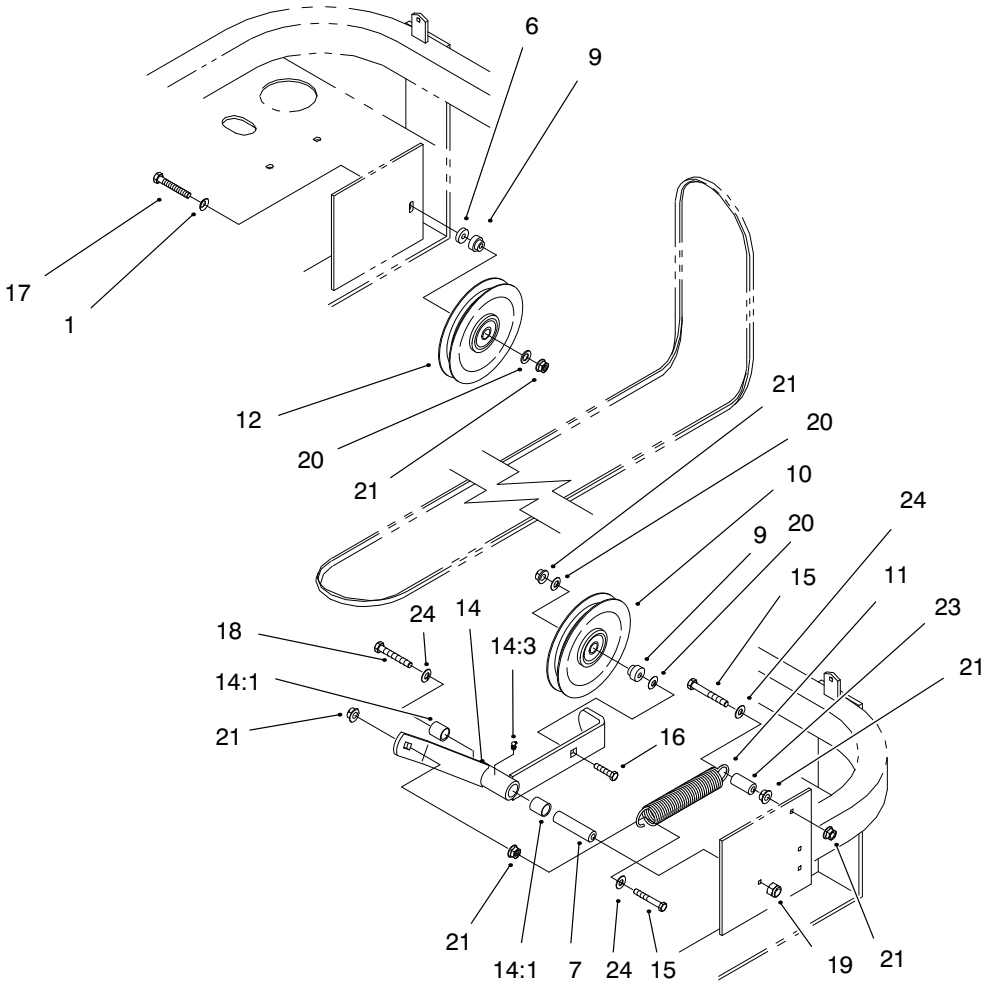


Sheet No.:7

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

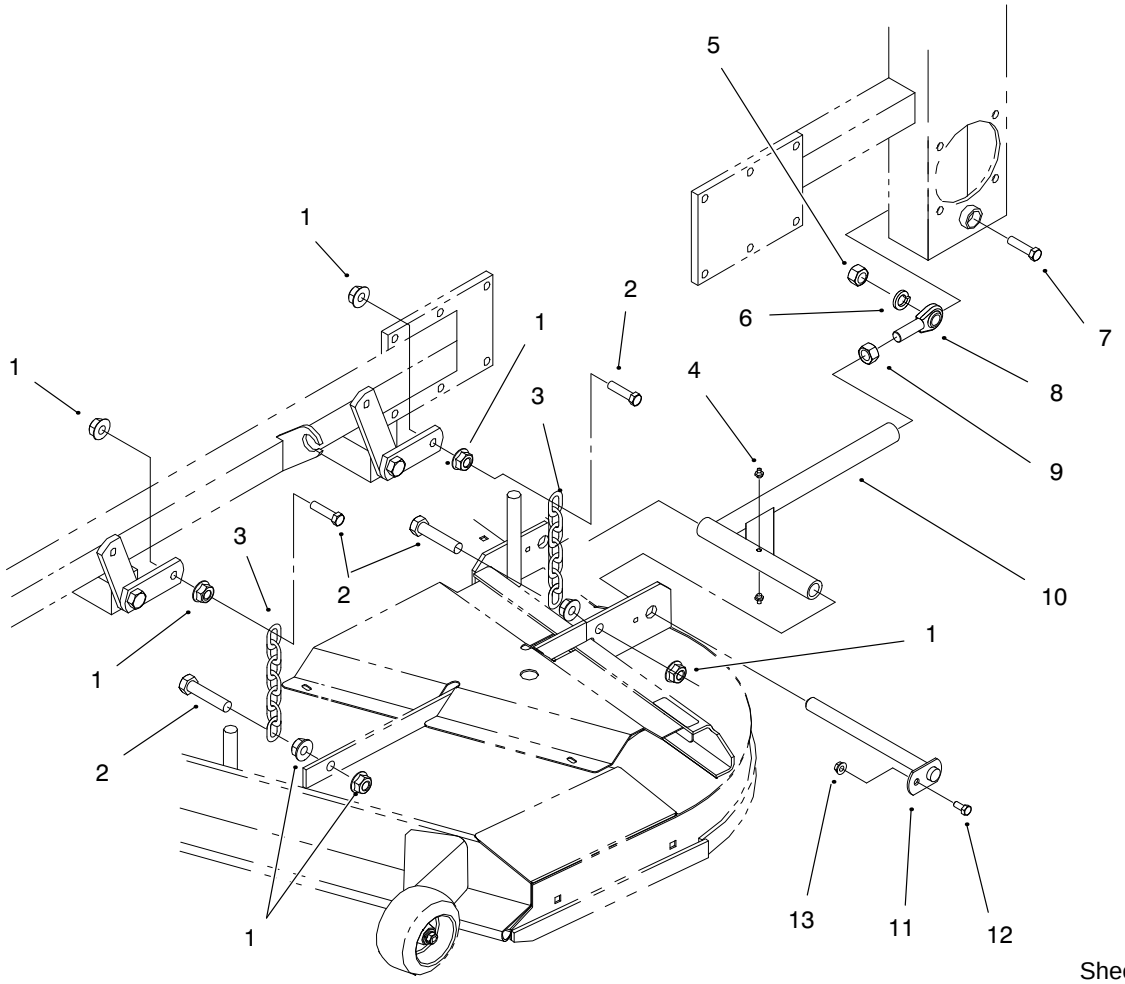


Sheet No.:10

Idler Assembly

Ref. No.	Part No.	Qty.	Description
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

Ref. No.	Part No.	Qty.	Description

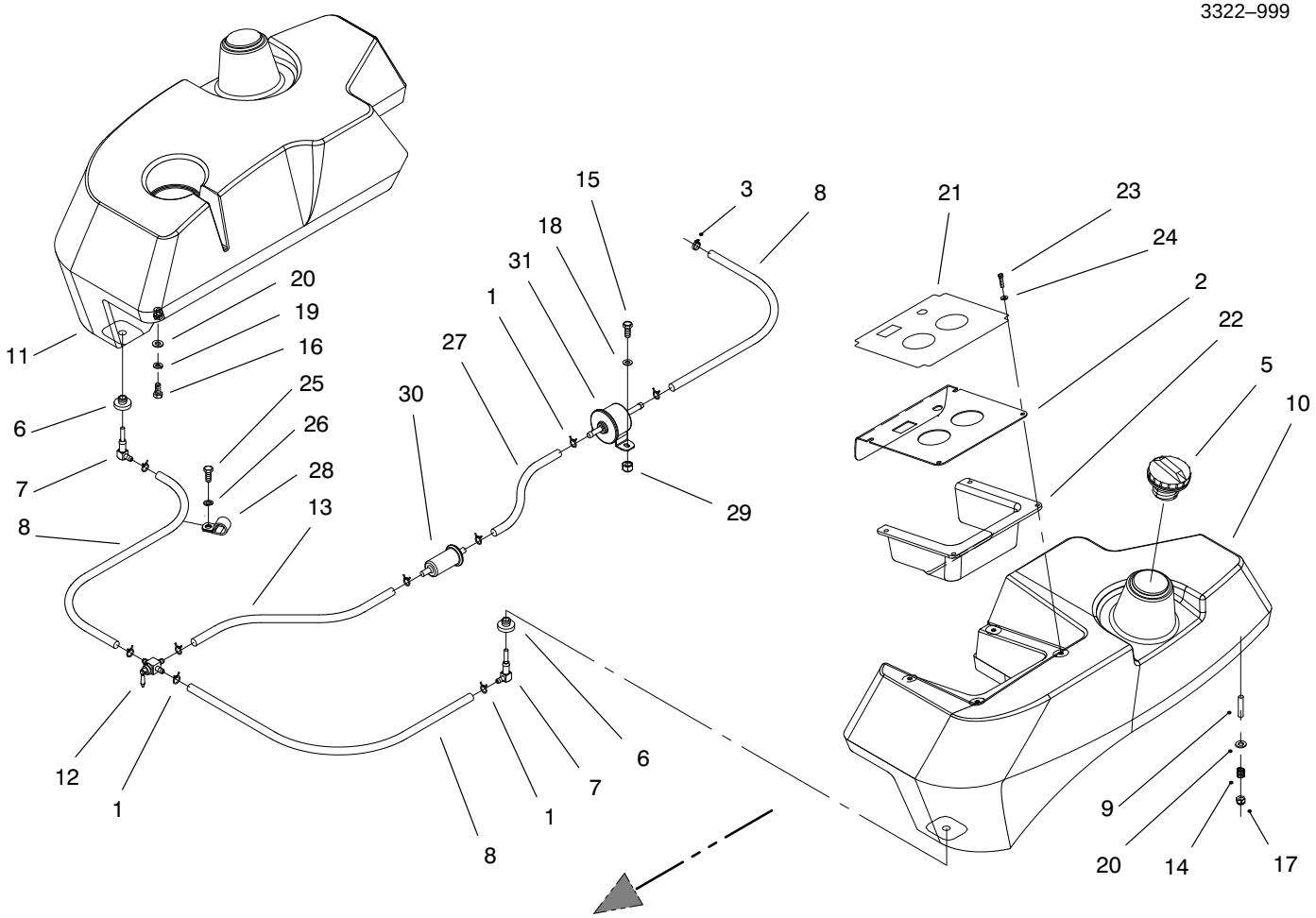


Sheet No.:12

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



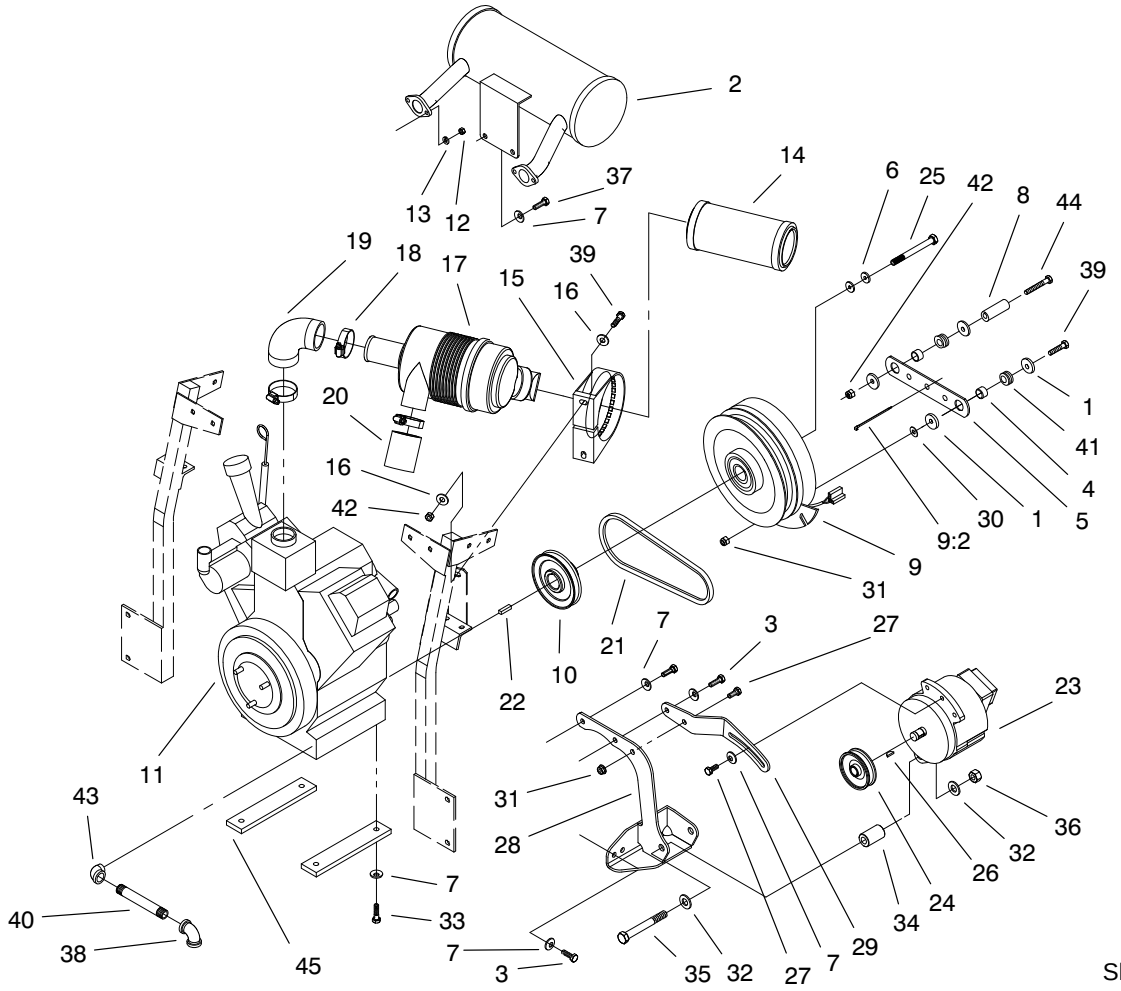
Sheet No.:13

Tank And Fuel Line

Ref. No.	Part No.	Qty.	Description
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	3296–41	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

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

‡ Obtain locally.



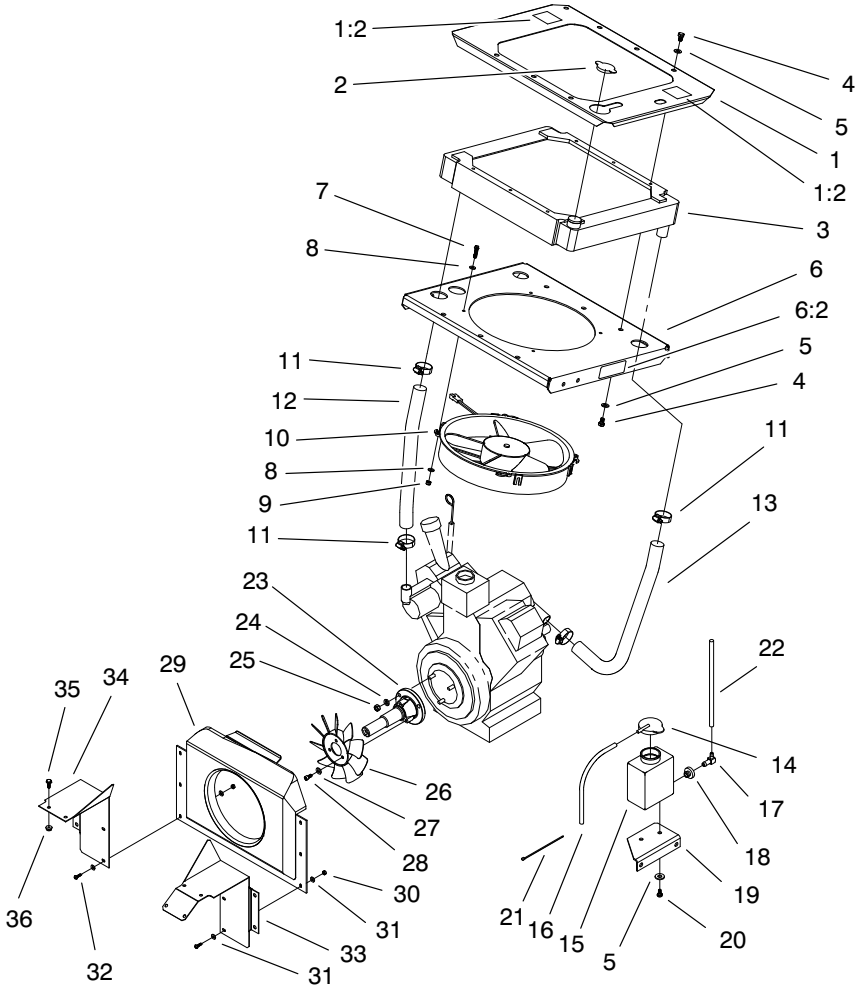
Sheet No.:14

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

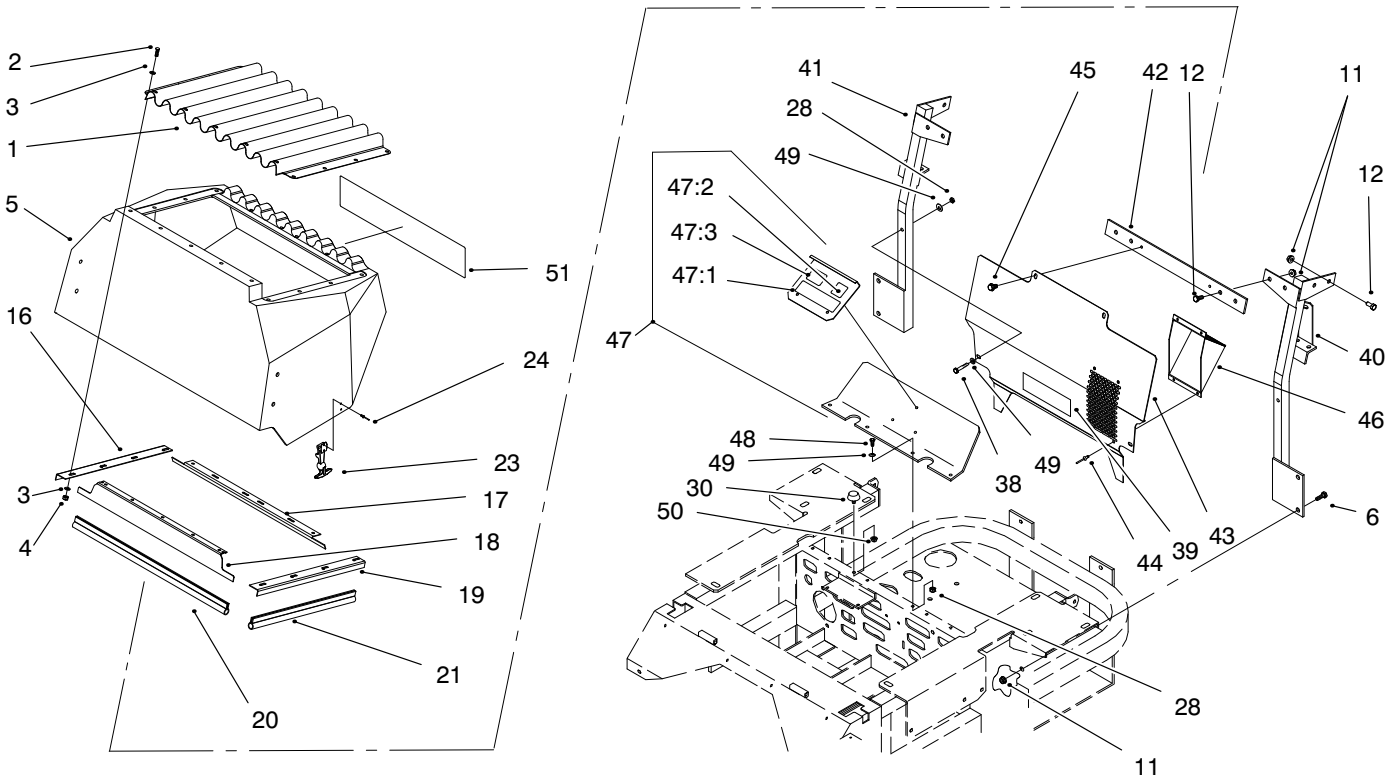


Sheet No.:15

Engine Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
1	99–4645	1	Radiator Trim Plate ASM
1:2	65–2690	2	Decal–Hot Surface
2	E643161	1	Cap – Radiator
3	E633829	1	Radiator – Horizontal Mount
4	322–1	12	Screw–HH
5	3256–23	14	Washer–Flat
6	99–4644	1	Fan Mounting Plate ASM
6:2	E643253	2	Decal – Fan, Radiator
7	E803067	4	Screw – Hswh Machine
8	E805254	8	Washer – Flat
9	E804254	4	Nut – HH, Nylok
10	E633831	1	Fan ASM – High Profile, 12 Inch
11	E633989	4	Clamp – Hose
12	E633894	1	Hose – Inlet, Radiator
13	E633895	1	Hose – Return, Radiator
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

Ref. No.	Part No.	Qty.	Description
19	E643024	1	Bracket – Bottle
20	321–2	2	Screw–HH
21	E303287	3	Tie–Plastic
22	E643129	1	Hose
23	E633851	1	Extension – Crankshaft
24	3253–4	3	Washer–Lock/Sp
25	E809099	3	Nut – Hex
26	E633869	1	Fan – Cooling, Pump
27	3256–22	3	Washer–Flat
28	E809095	3	Screw – HSH
29	E633854	1	Shroud – Cooling Fan, Pump
30	32146–18	6	Nut–Lock
31	3256–14	12	Washer–Flat
32	E803028	6	Screw
33	E643143	1	Shield – LH
34	E633794	1	Shield – RH
35	321–4	6	Screw–HH
36	32128–33	6	Nut–Hex Flange

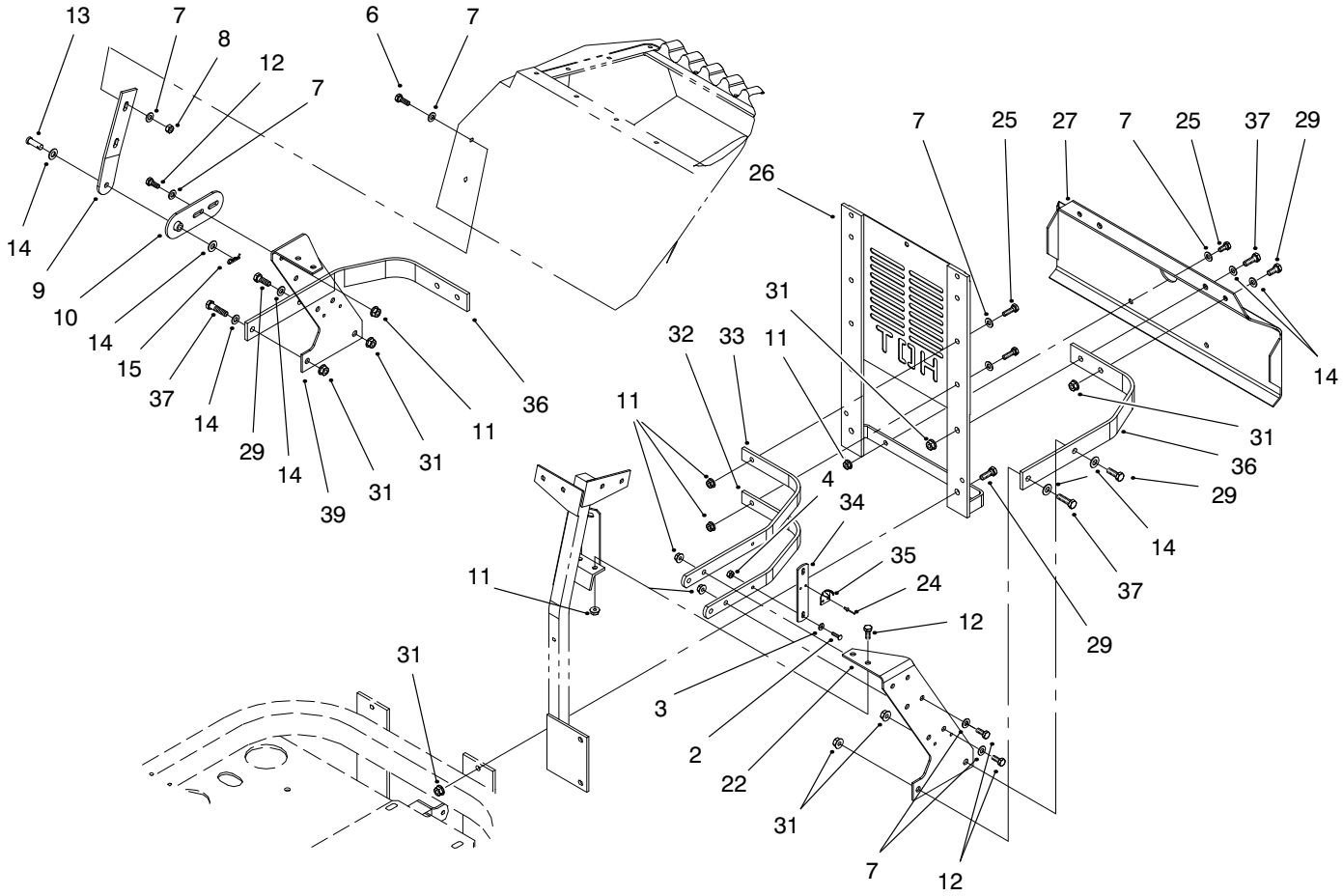


Sheet No.:16

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

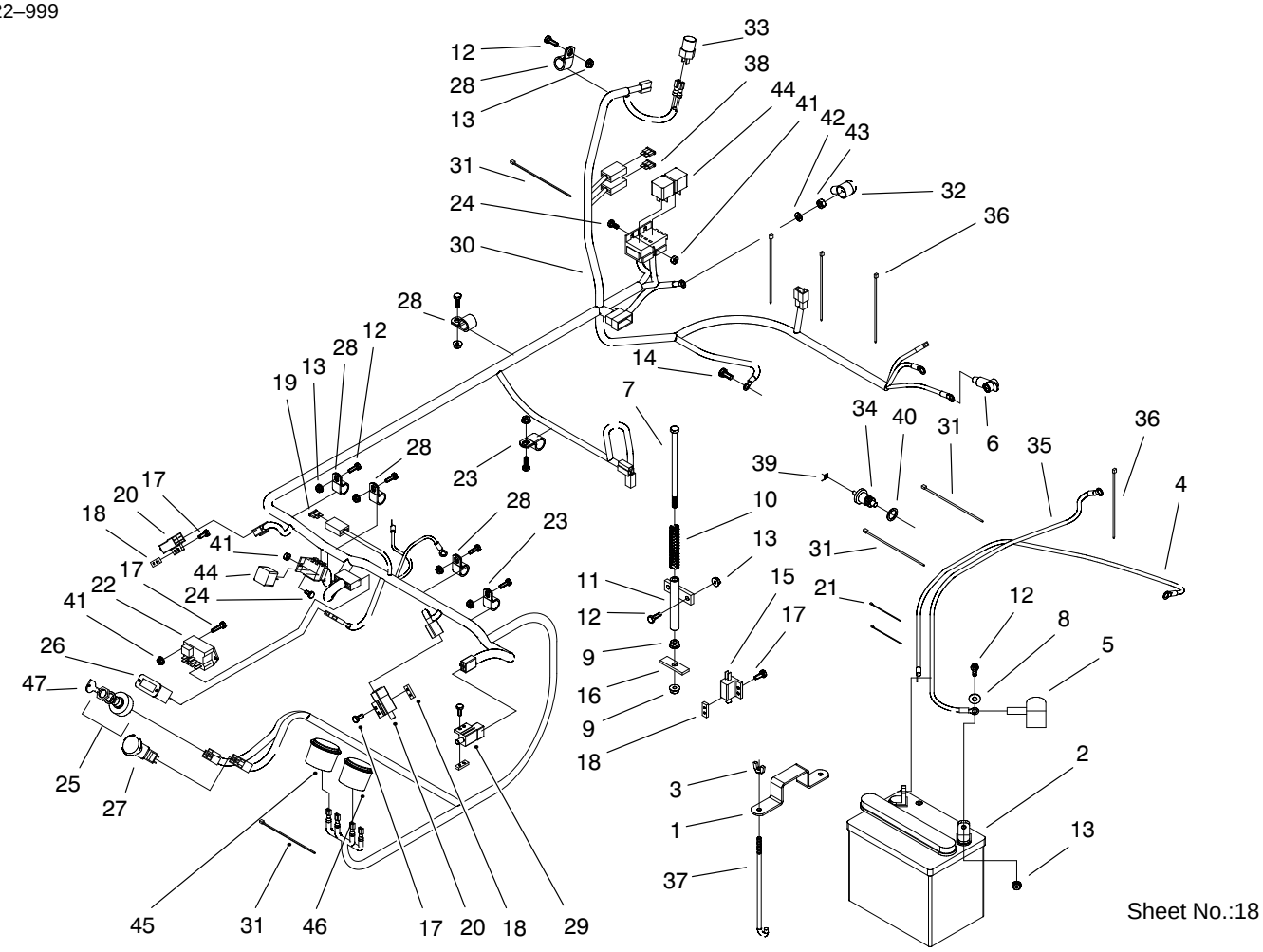


Sheet No.:17

Rear Bumper Assembly

Ref. No.	Part No.	Qty.	Description
2	E803069	4	Screw – HSBH
3	3256–14	4	Washer–Flat
4	32146–18	4	Nut–Lock
6	322–4	4	Screw–HH
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

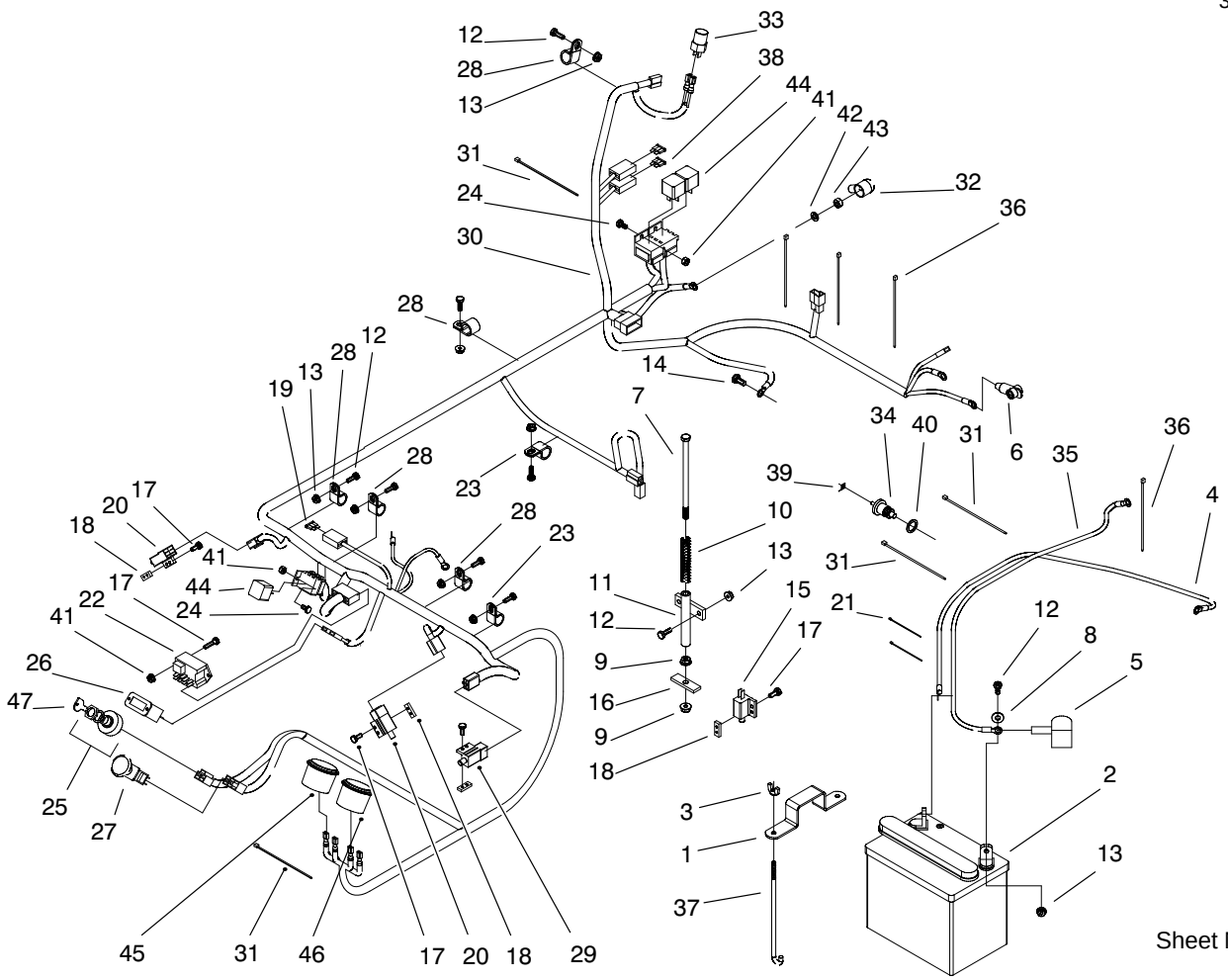
Ref. No.	Part No.	Qty.	Description
35	E643189	2	Keeper – Latch, Rubber
36	E633896	2	Bar – Frame, Radiator Mount
37	323–7	4	Screw–HH
39	E633901	1	Plate – Mount, Radiator



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

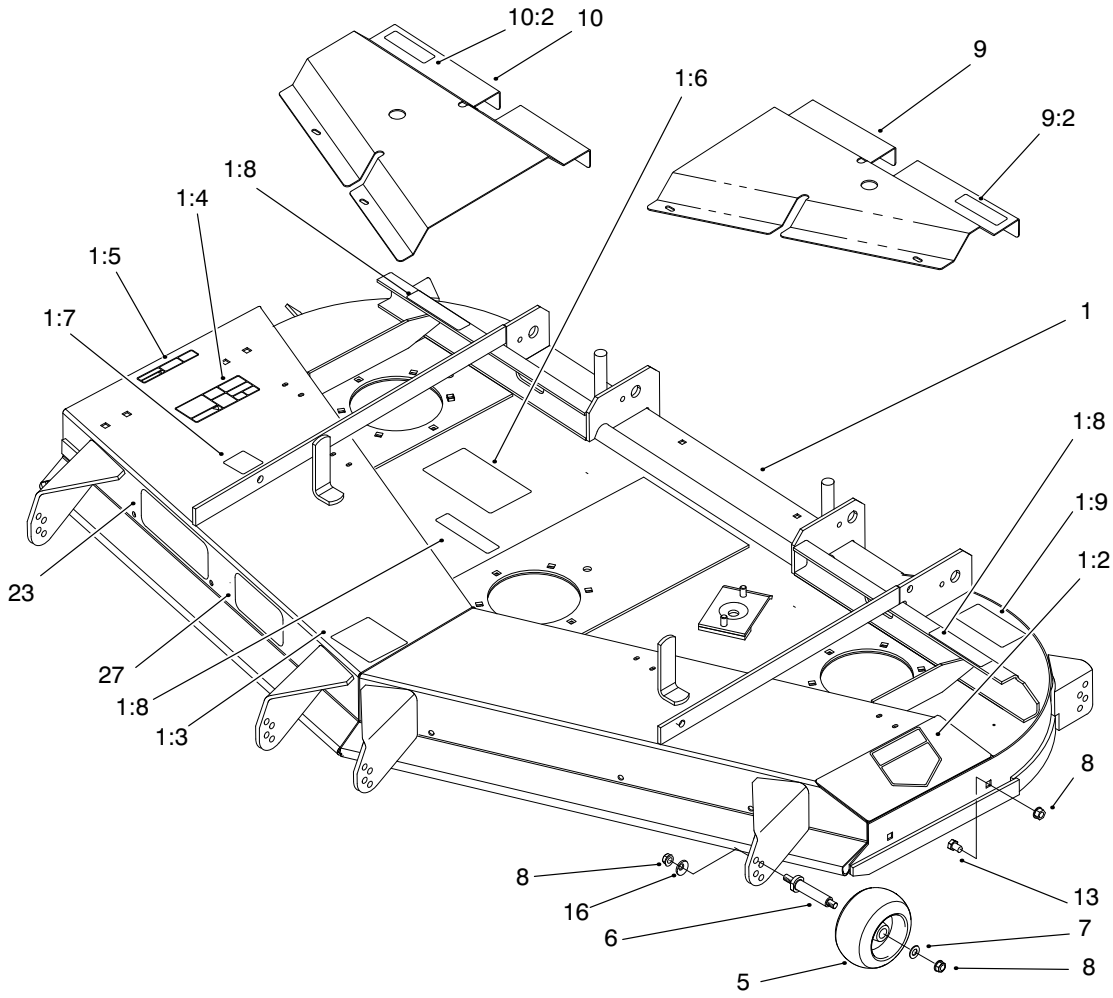


Sheet No.:18

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

Ref. No.	Part No.	Qty.	Description

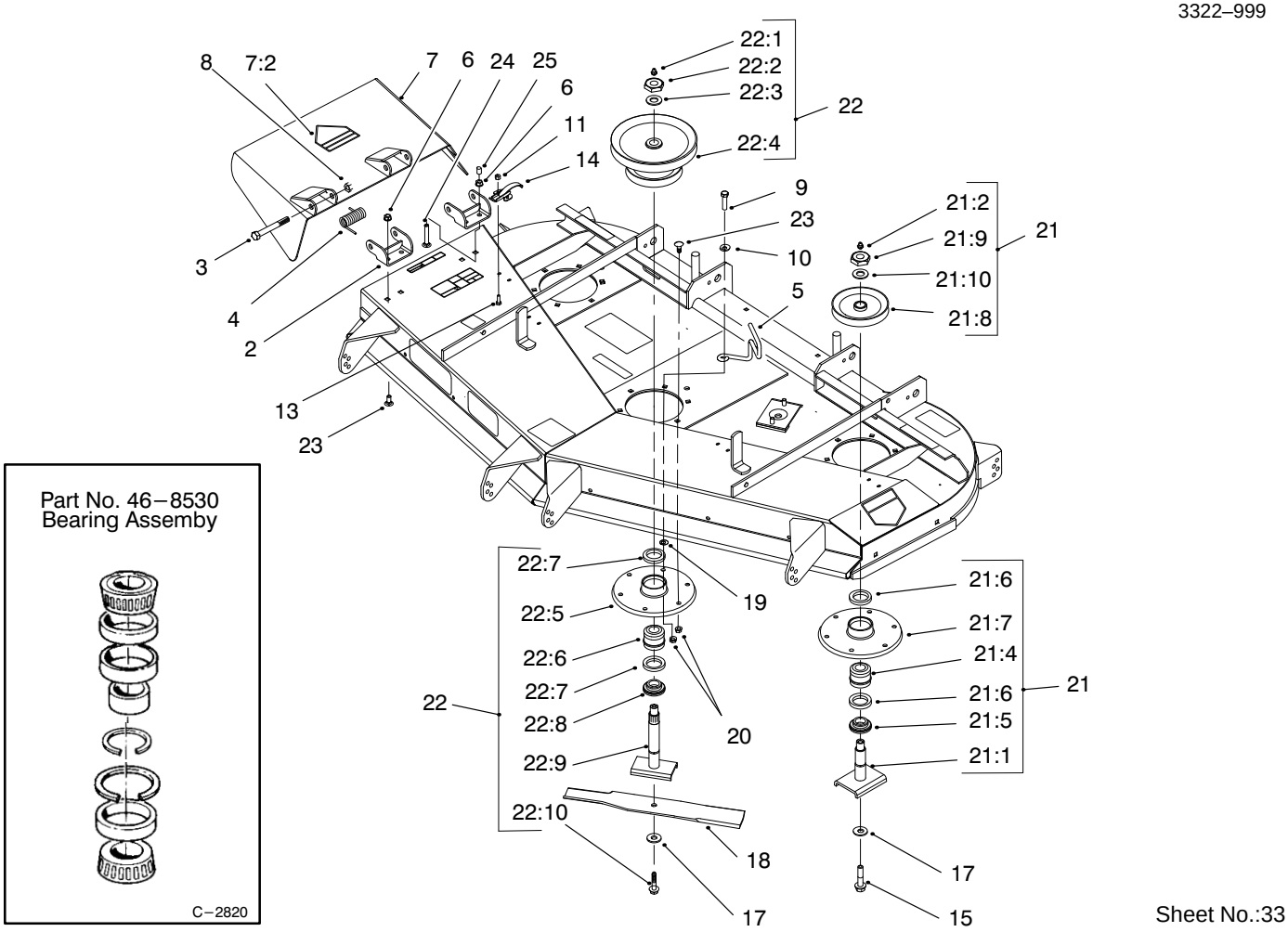


Sheet No.:32

Deck, Wheels And Deflector Assembly

Ref. No.	Part No.	Qty.	Description
1	100–2337	1	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
1:7	98–3269	1	Decal–Made In USA
1:8	98–5954	1	Decal–Cover Missing
1:9	93–7818	1	Decal–Blade Bolt Torque
5	68–2730	6	Gage Wheel
6	99–2842	6	Spacer–Wheel
7	E373034	6	Washer–Swivel
8	3290–357	16	Nut–Lock
9	98–5955	1	LH Cover ASM
9:2	67–5360	1	Decal–Danger
10	98–5956	1	RH Cover ASM
10:2	67–5360	1	Decal–Danger
13	323–2	4	Screw–HH
16	98–5975	6	Washer
23	99–4619	1	Decal–SFS
27	99–4620	1	Decal – 62”

Ref. No.	Part No.	Qty.	Description

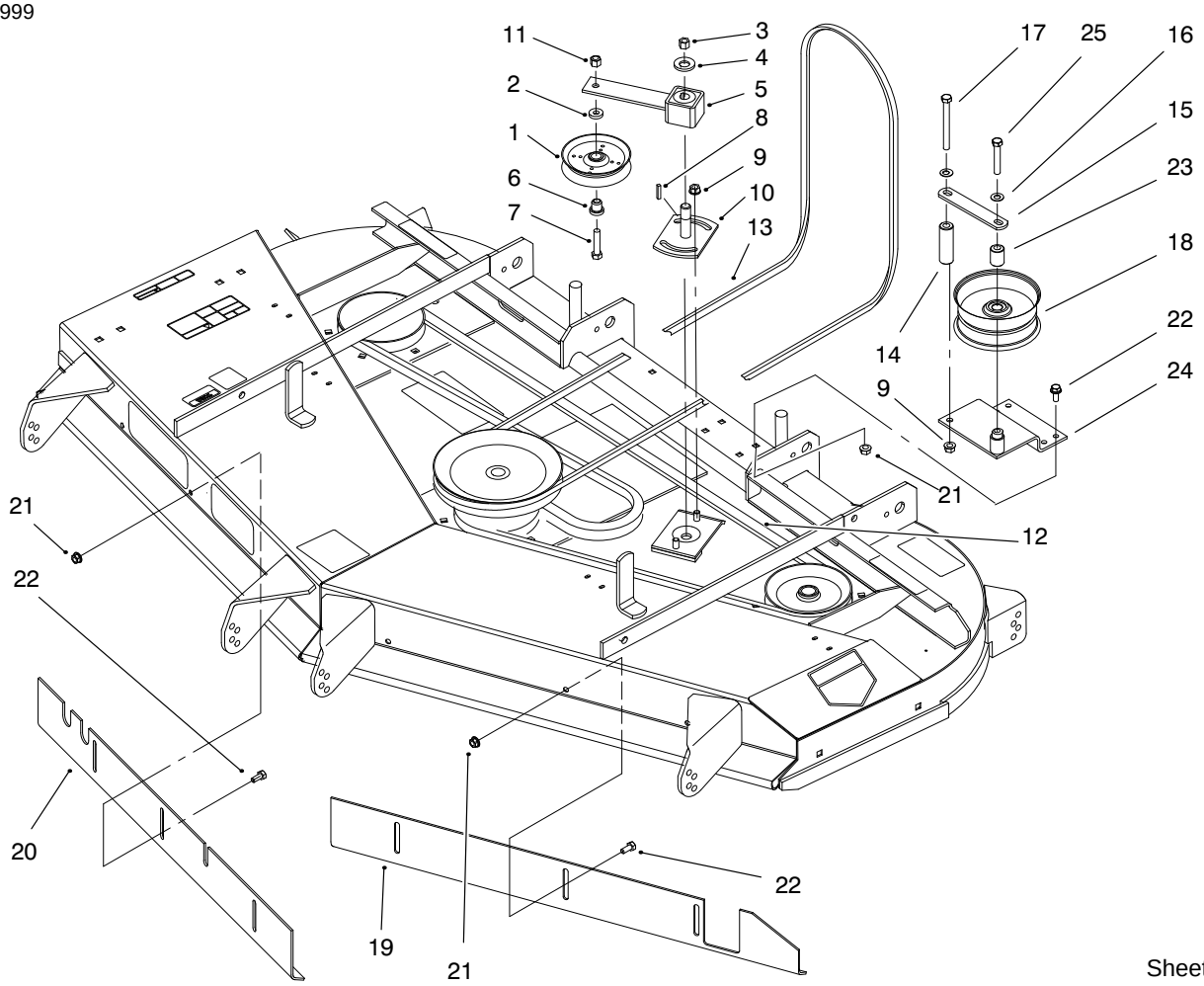


Sheet No.:33

Spindle And Pulleys Assembly

Ref. No.	Part No.	Qty.	Description
2	51–1530–01	2	Bracket–Hinge
3	325–17	2	Screw–HH
4	51–1550	2	Spring
5	99–8933	1	Belt–Guide
6	3290–357	4	Nut–Lock
7	14–0909	1	Deflector ASM
7:2	54–9220	1	Decal–Danger
8	32153–5	2	Nut–Lock
9	323–8	1	Screw–HH
10	3256–3	1	Washer–Flat
11	32128–17	8	Nut–Flange Lock
13	3290–321	8	Screw–HWH
14	249–21	4	Clamp–Slotted
15	92–5816	2	Flangebolt–Blade
17	E513435	3	Washer–Spring
18	44–6250	3	Blade 21.5
19	3256–24	1	Washer–Flat
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

Ref. No.	Part No.	Qty.	Description
21:8	99–4614	1	Pulley & Hub
21:9	32146–20	1	Nut–Jam
21:10	7–4150	1	Washer–Pinion
22	99–4944	1	Spindle Housing ASM
22:1	302–2	1	Fitting–Grease
22:2	32146–20	1	Nut–Jam
22:3	92–5836	1	Washer – Axle
22:4	99–4939–03	1	Pulley & Hub ASM
22:5	61–4160	1	Spindle
22:6	46–8530	1	Bearing ASM
22:7	253–139	2	Seal–Oil
22:8	27–0950	1	Spacer–Bearing, Spindle
22:9	51–3551	1	Shaft–Spindle
22:10	92–5816	1	Flangebolt–Blade
23	3231–22	20	Screw–CARR
24	3231–33	1	Screw–CARR
25	105316	1	Cap–Plunger Rod

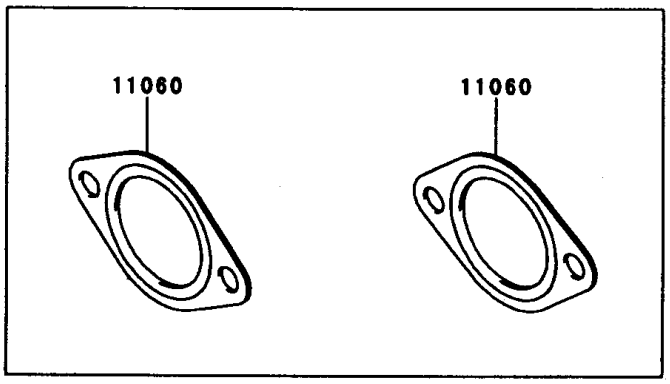


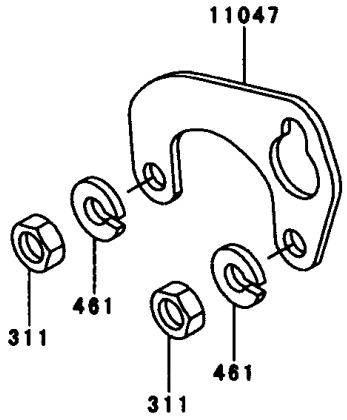
Sheet No.:34

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

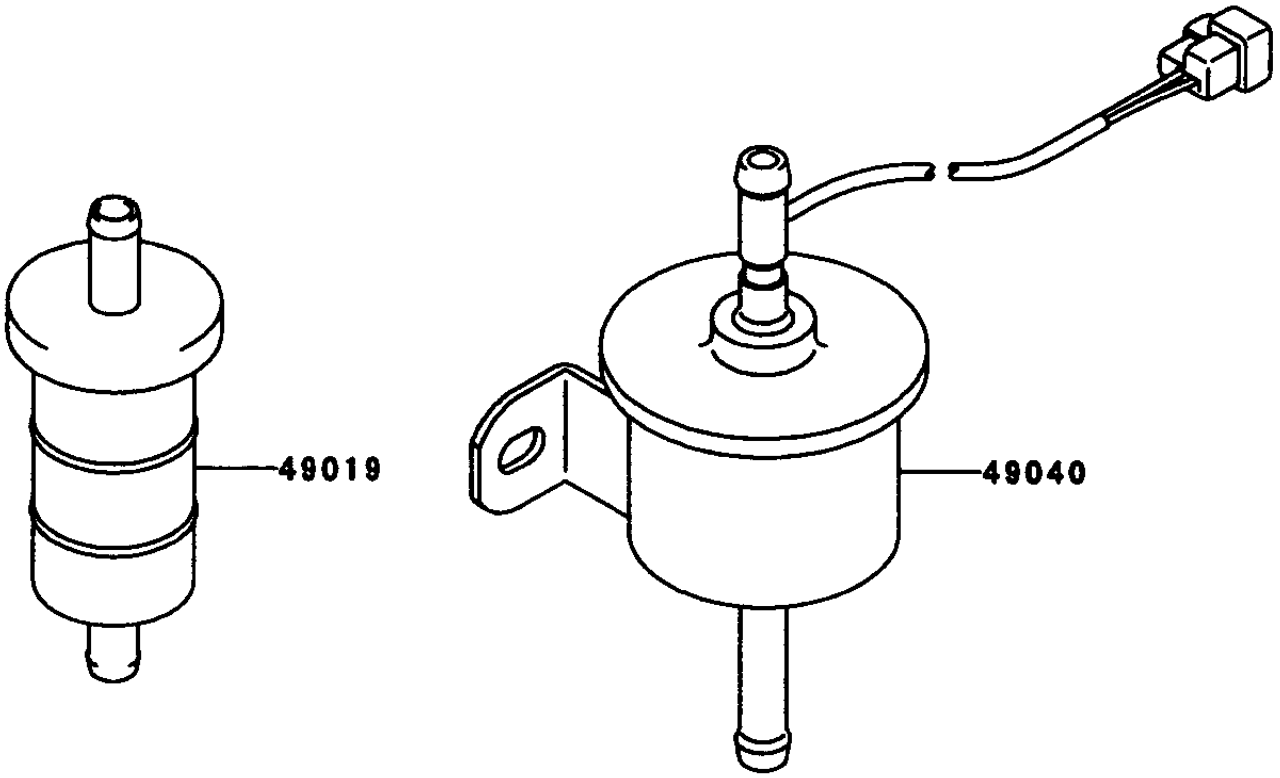




Air Filter/Muffler – Kawasaki FD661D S03

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

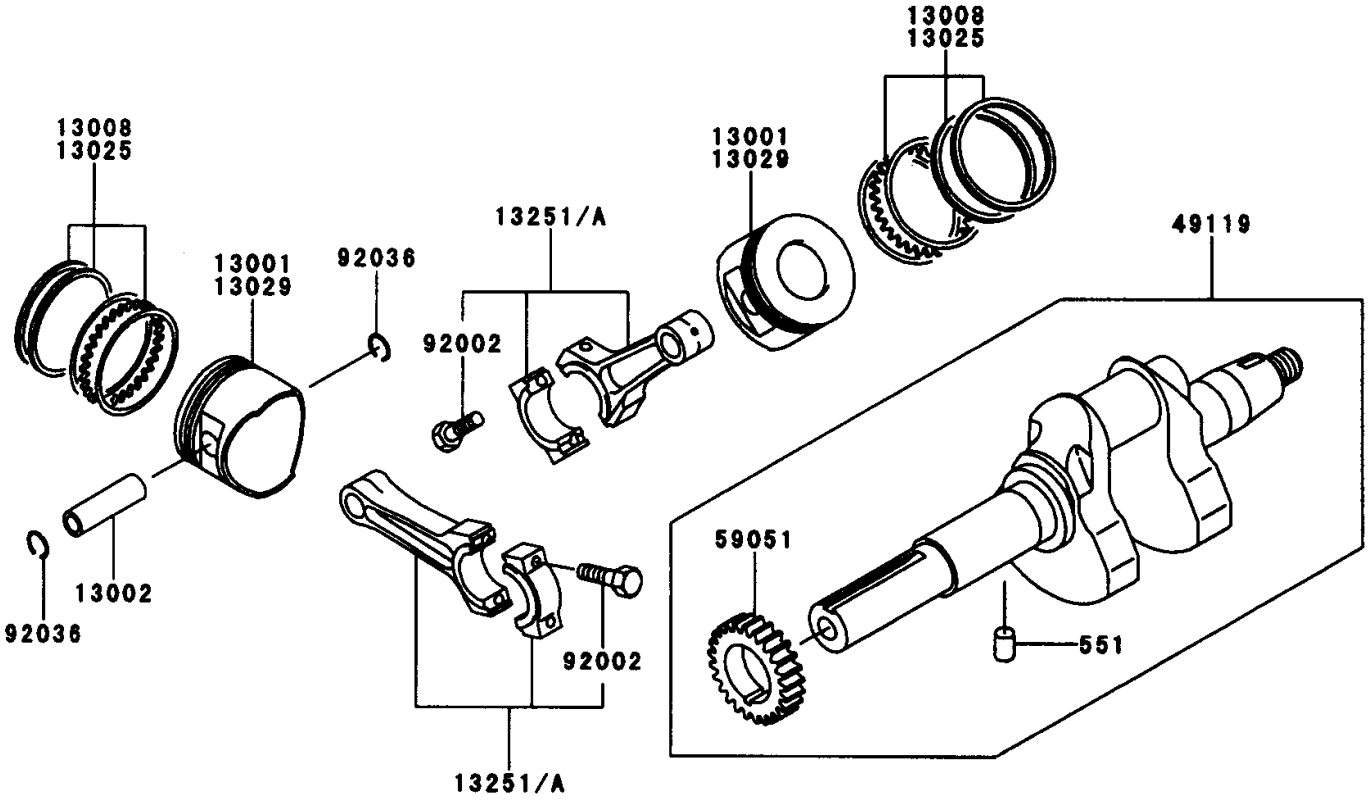
Ref. No.	Part No.	Qty.	Description



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

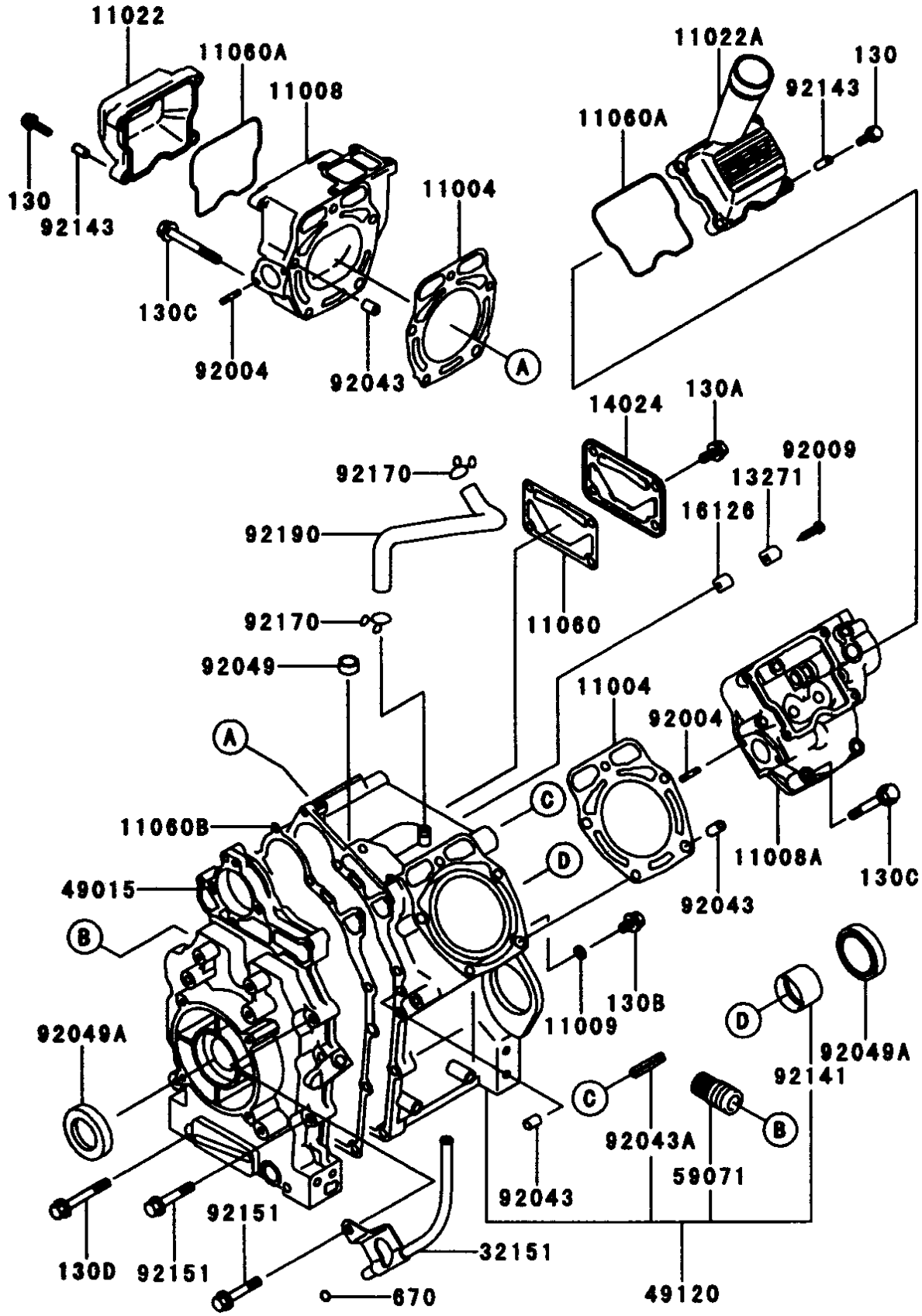


Piston/Crankshaft – Kawasaki FD661D S03

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

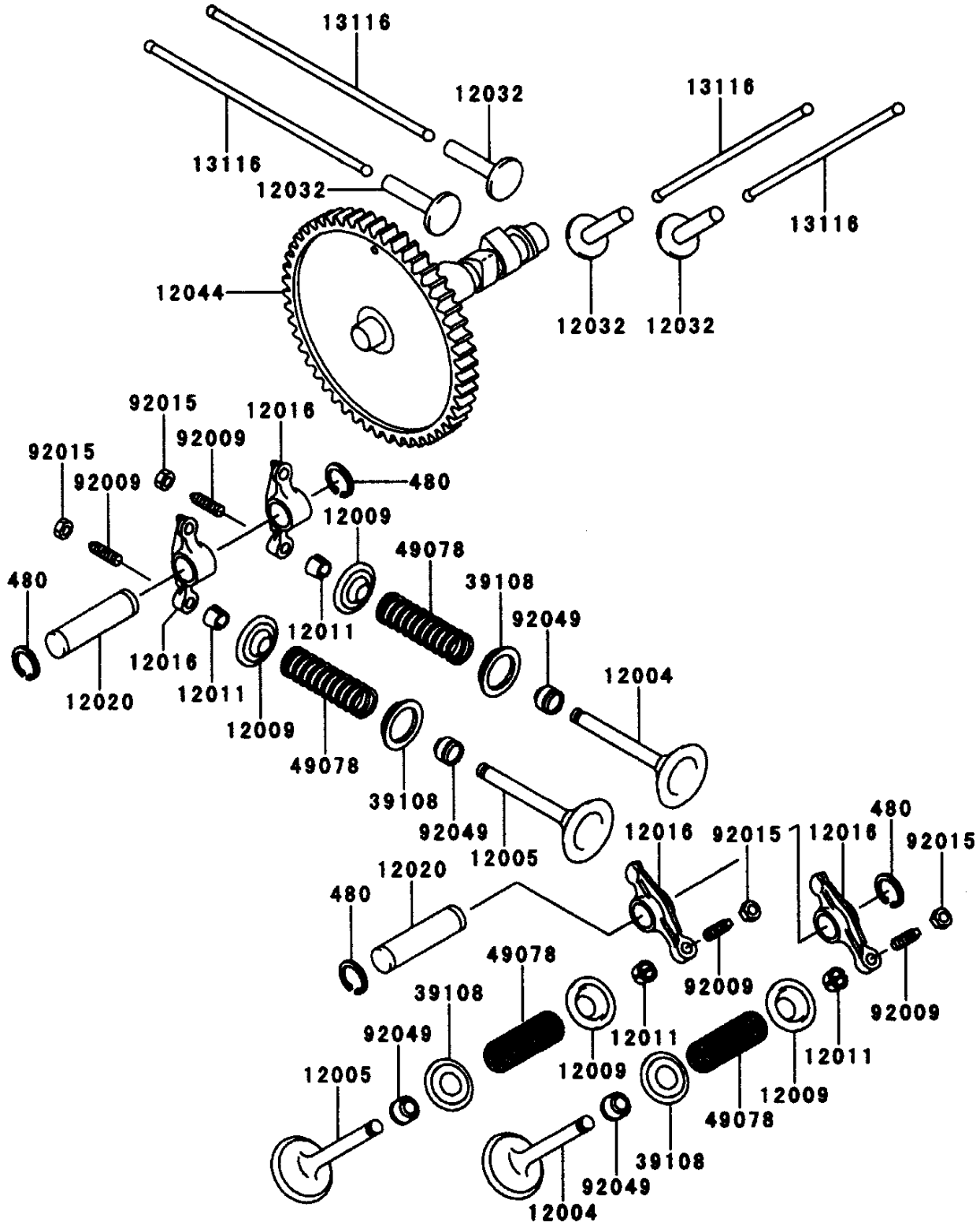


Cylinder/Crankcase – Kawasaki FD661D S03

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

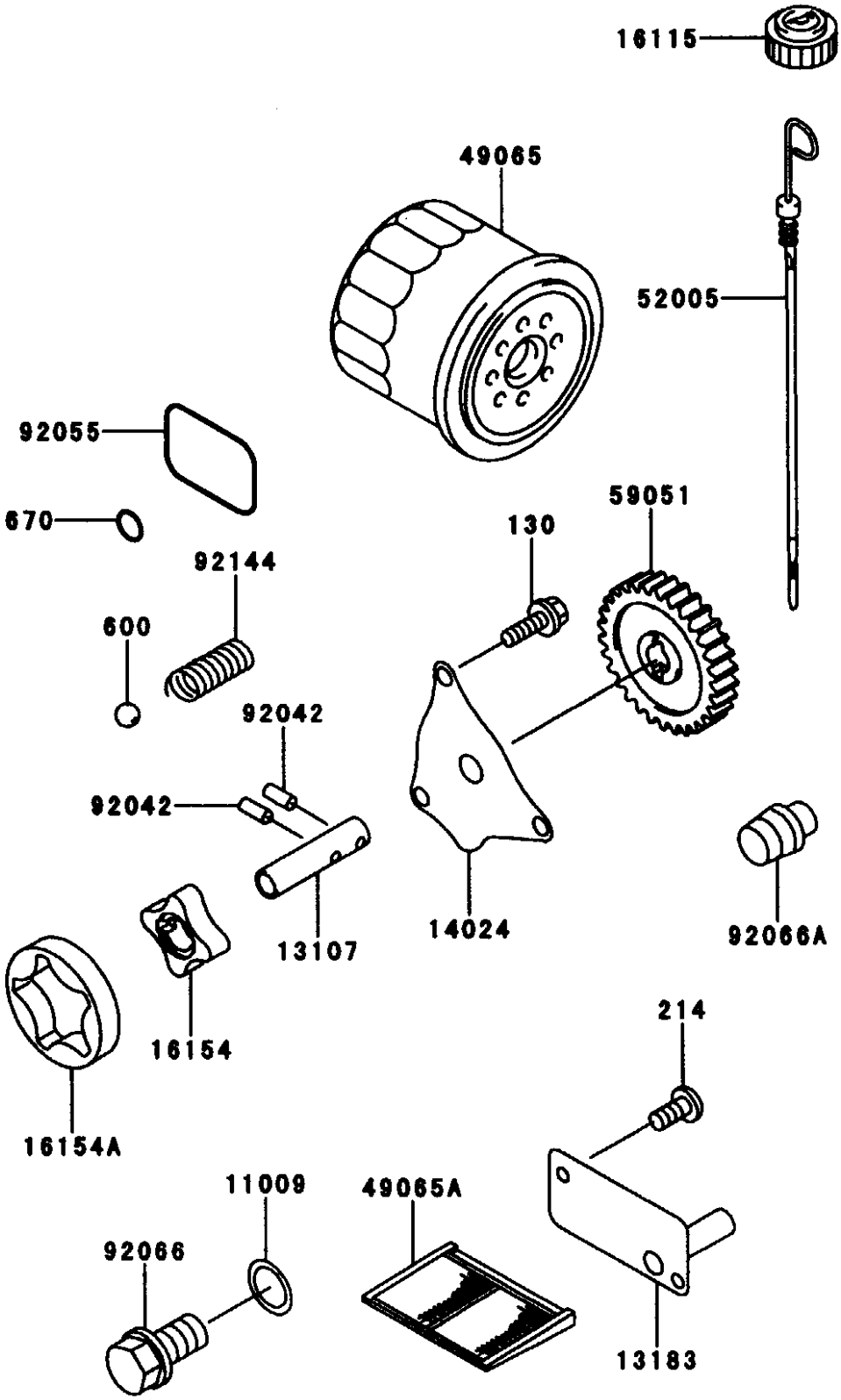


Valve/Camshaft – Kawasaki FD661D S03

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

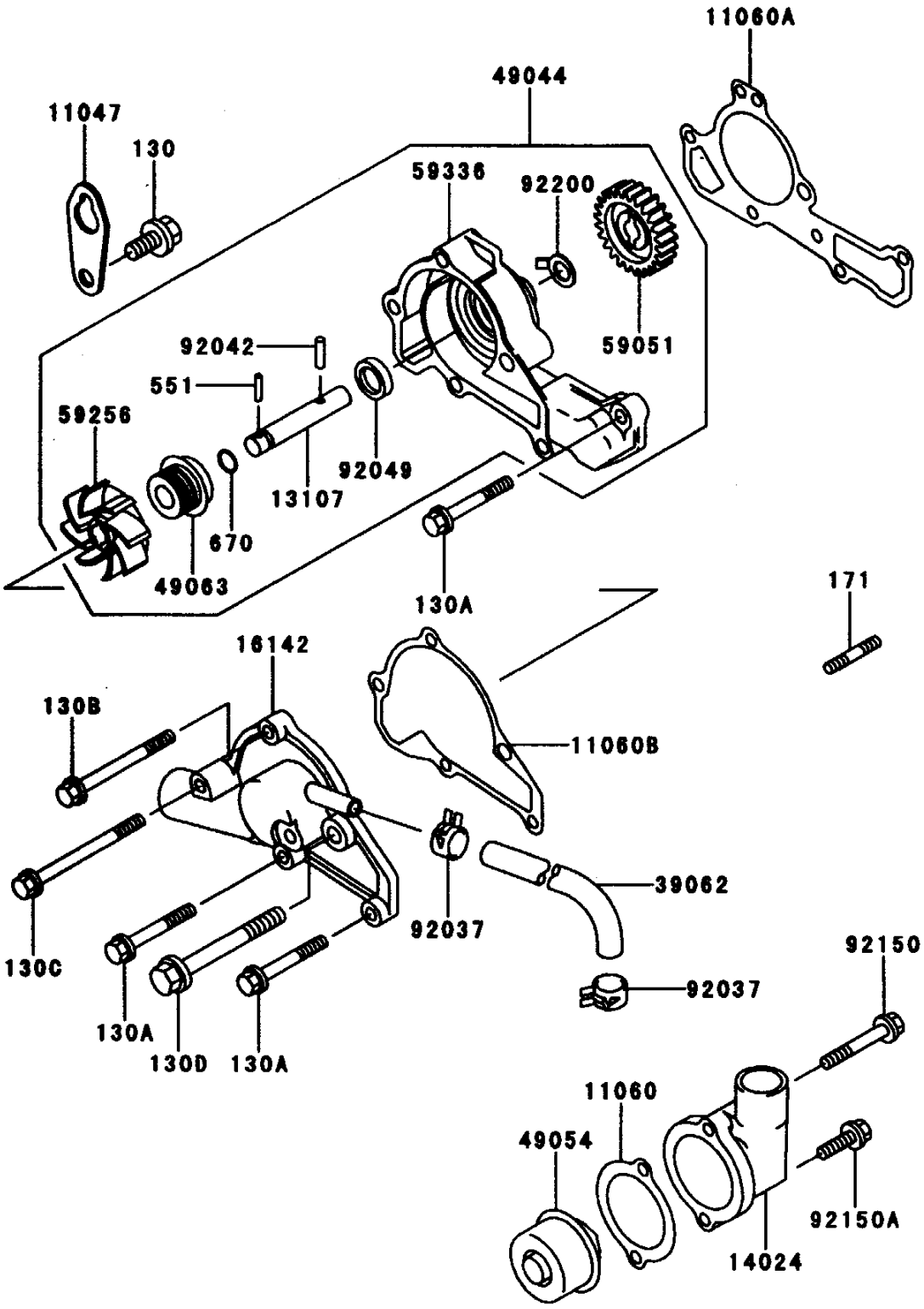


Lubrication–Equipment – Kawasaki FD661D S03

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

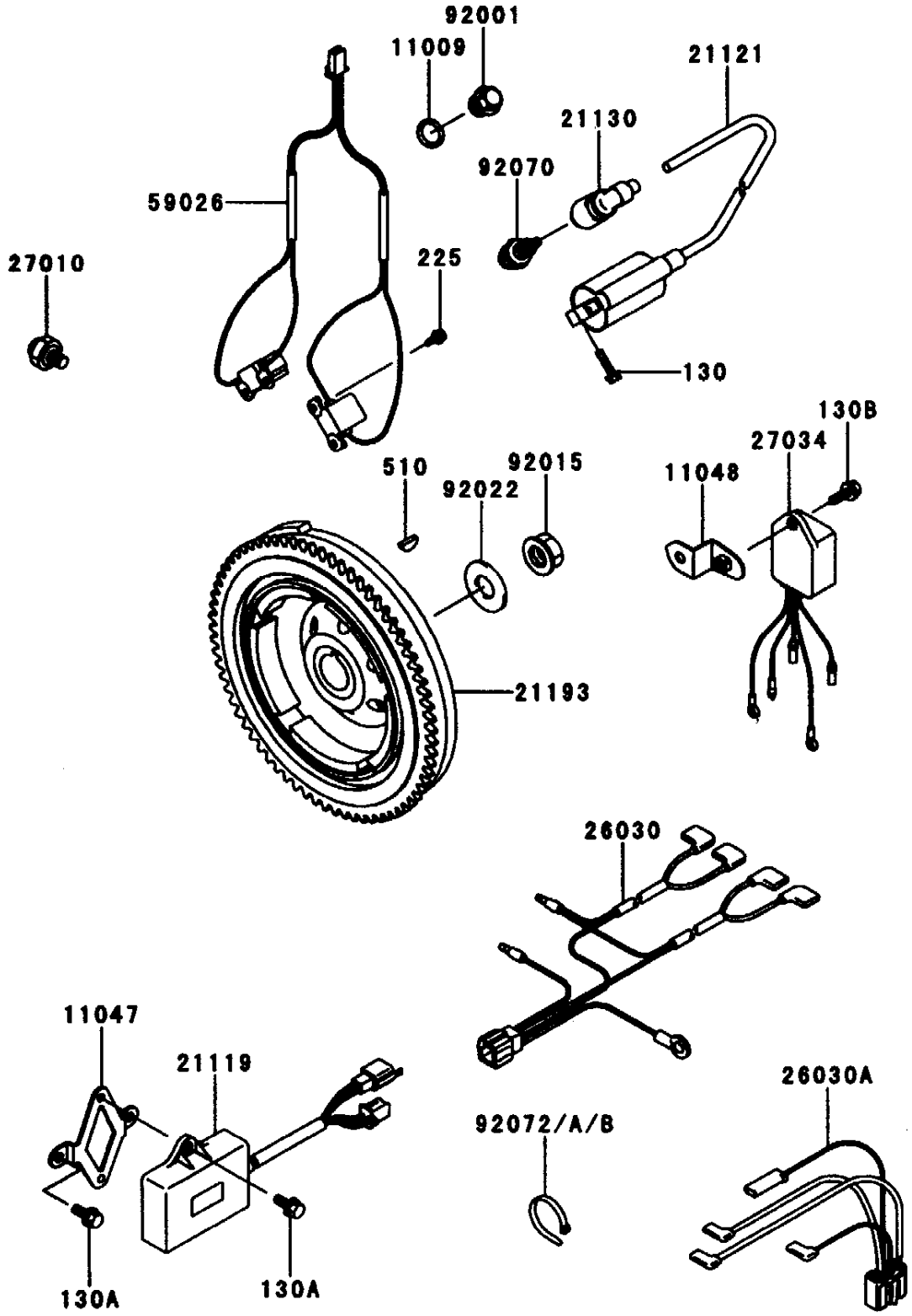


Cooling–Equipment – Kawasaki FD661D S03

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

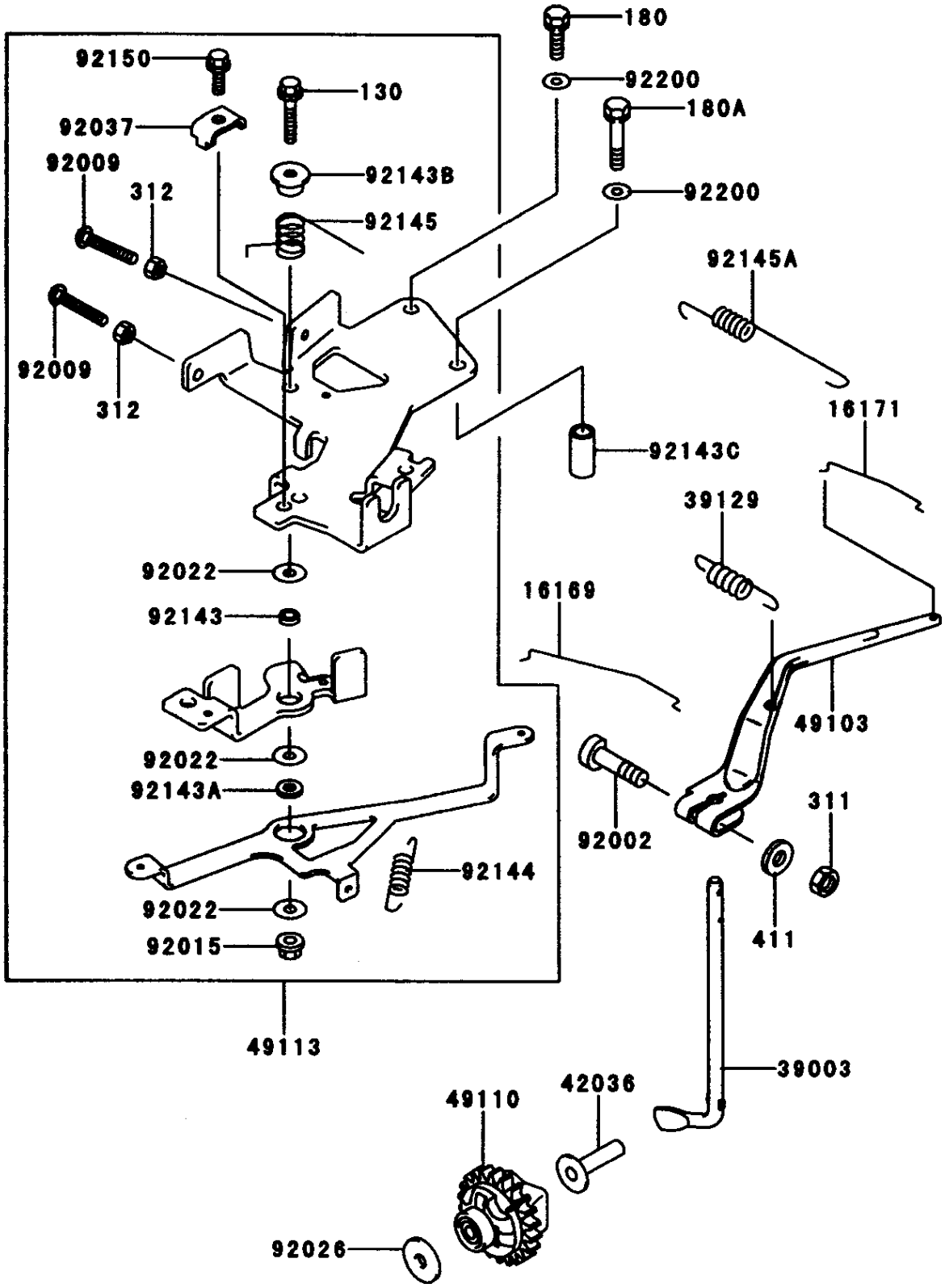


Electric–Equipment – Kawasaki FD661D S03

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

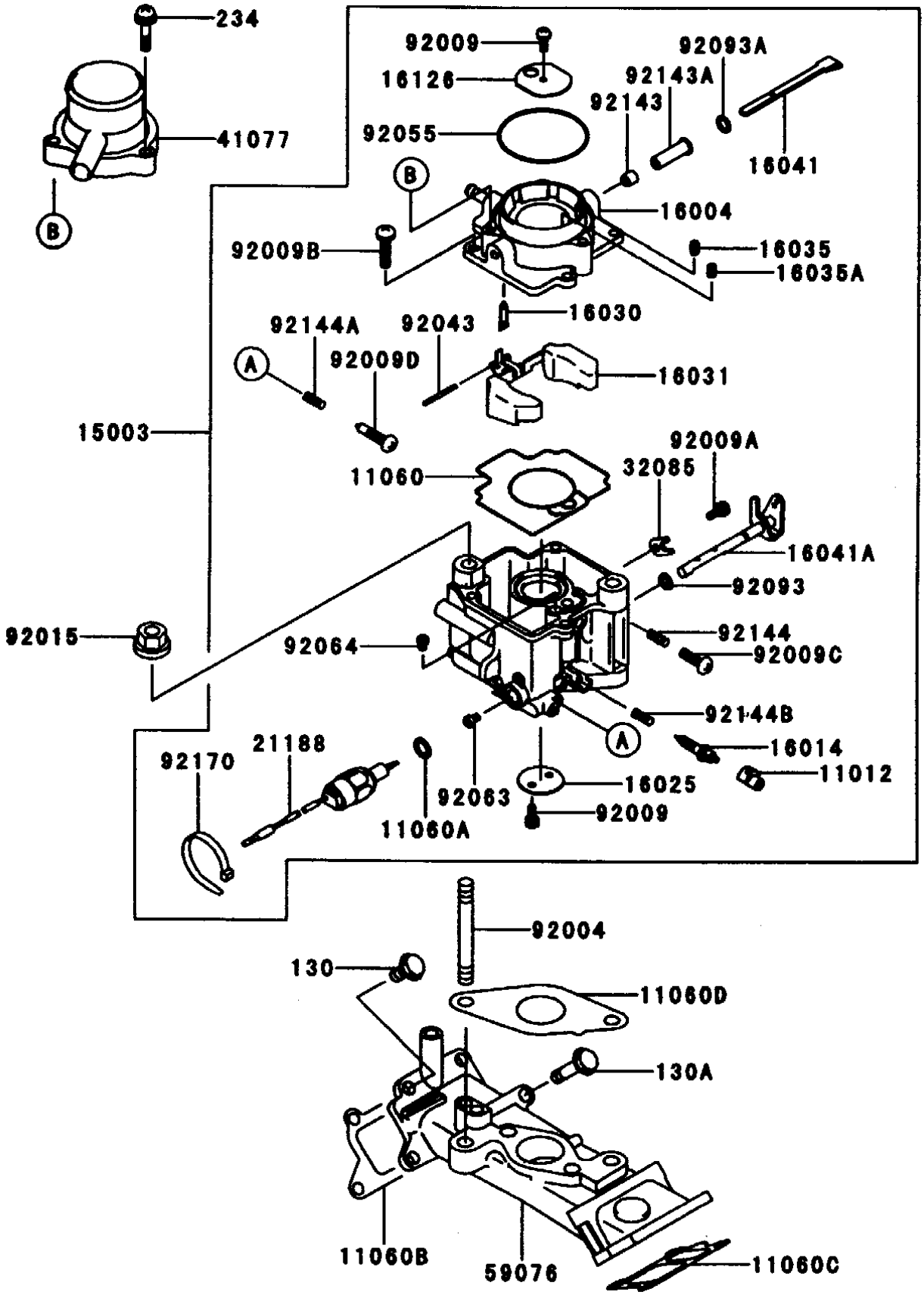


Control–Equipment – Kawasaki FD661D S03

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

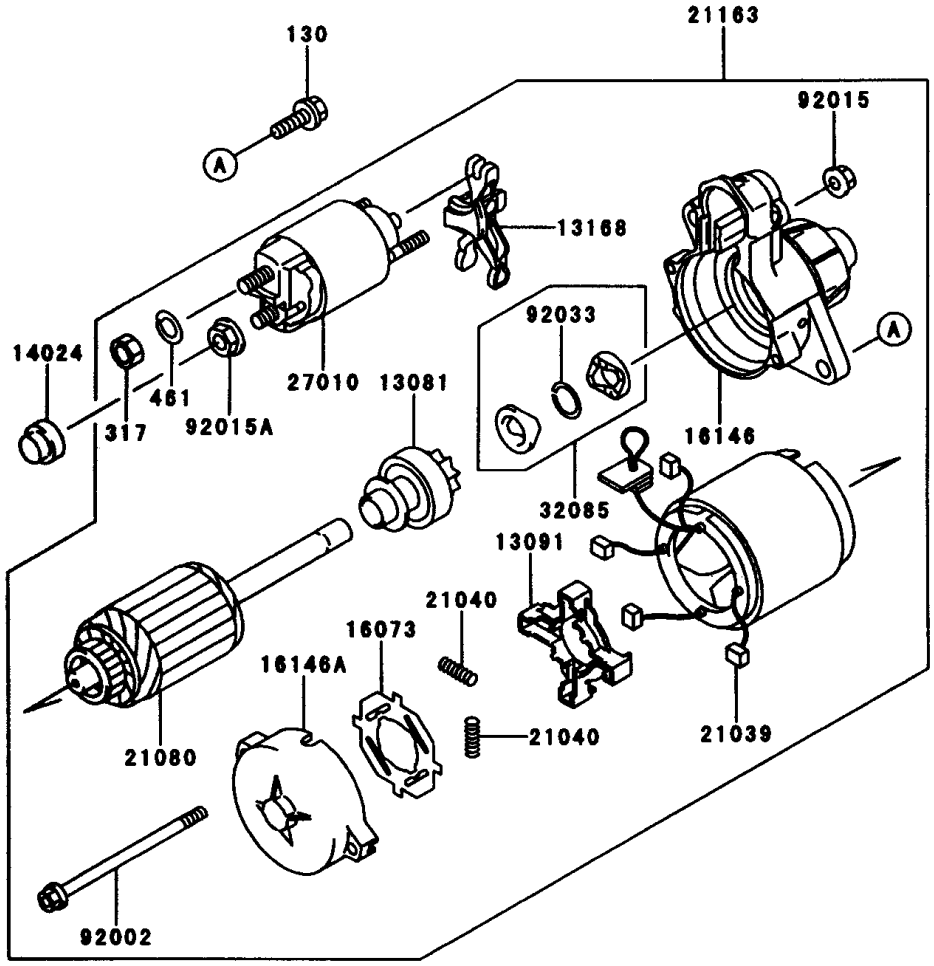
Carburetor – Kawasaki FD661 S03



Carburetor – Kawasaki FD661 S03

Ref. No.	Part No.	Qty.	Description
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

Ref. No.	Part No.	Qty.	Description



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

Date								

Maintenance Record

Date								

Maintenance Record

Date								

Maintenance Record

Date								