Form No. 3326–826

Z253

Z–Master® with 62” SFS Side Discharge Mower

Model No. 74225—210002101 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.

© The TORO Company — 2001
All Rights Reserved

Contents

Description	Page
Front Frame Assembly	3
Caster and Wheel Assembly	4
Rear Frame and Wheel Assembly	5
Brake and Wheel Hub Assembly	6
Control Panel Assembly	7
Hydraulic System Assembly	8
Hydraulic System Assembly (Continued)	9
Tank and Fuel Line Assembly	10
Shield and Clutch Assembly	11
Shield and Clutch Assembly (Continued)	12
Idler Assembly	13
Electrical System Assembly	14
Frame and Deck Assembly	15
Deck, Deflector and Roller Assembly	16
Spindle and Pulley Assembly	17
Belt and Idler Arm Assembly	18
Stand Assembly	19
Electrical Schematic	20
Crankshaft Assembly – Group 1 Kohler CH23S–76550	21
Crankcase Assembly – Group 2 Kohler CH23S–76550	22
Oil Pan/Lubrication Assembly – Group 3 Kohler CH23S–76550	23
Head/Valve/Breather Assembly – Group 4 Kohler CH23S–76550	24
Ignition/Electrical Assembly – Group 5 Kohler CH23S–76550	25
Blower Housing and Baffle Assembly – Group 6 Kohler CH23S–76550	26
Starting System Assembly – Group 7 Kohler CH23S–76550	27
Fuel System Assembly – Group 8 Kohler CH23S–76550	28
Engine Control Assembly – Group 9 Kohler CH23S–76550	29
Air Intake/Filtration Assembly – Group 10 Kohler CH23S–76550	30
Exhaust Assembly – Group 11 Kohler CH23S–76550	31

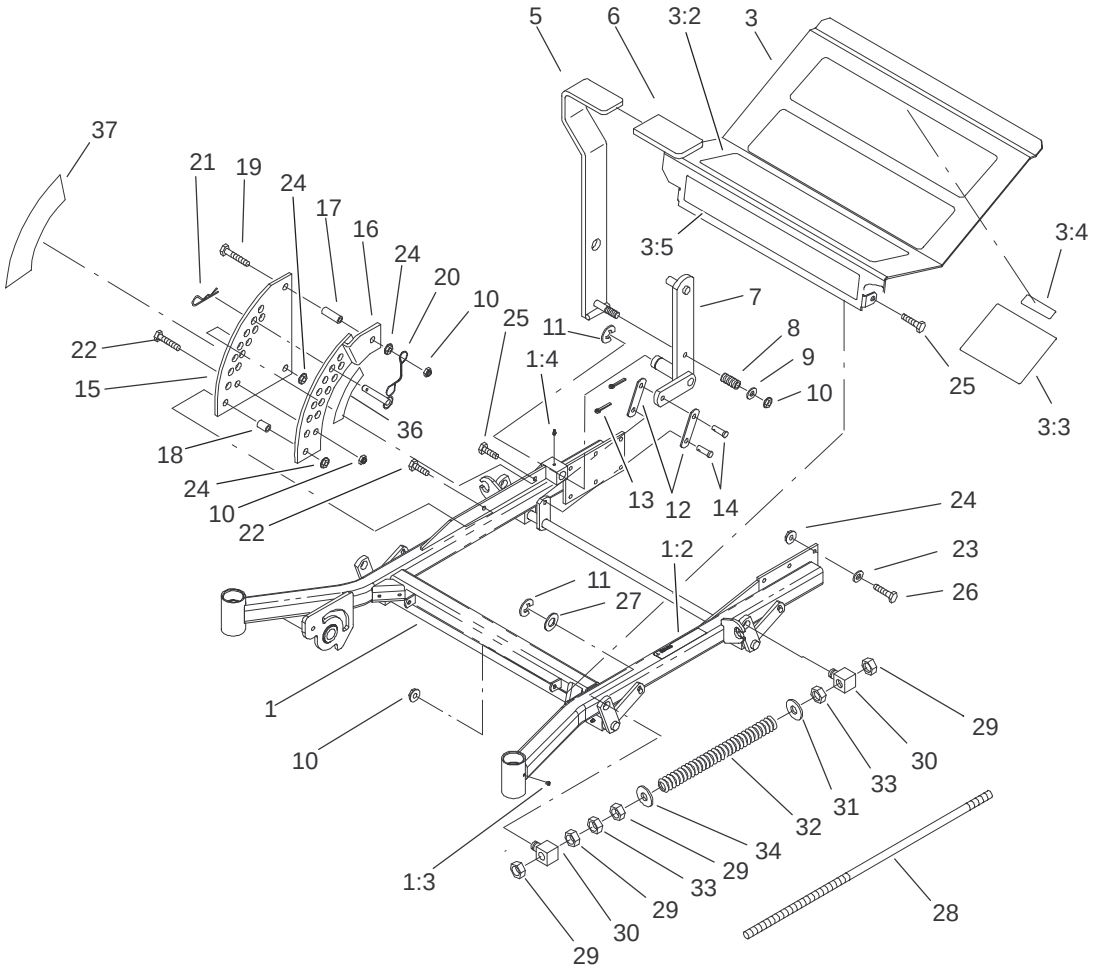
Accessories

Description	Model / Part No.
High Suspension Seat	74210
Foot Lift Assist	78473
Roll Over Protection System Kit	78480
Stripping Kit	30163
Hitch Kit	99–8925
Atomic Blade Assembly	104–1303
Z Recycler Kit (62in)	100–9600
Spark Arrester Kit	105–1672
Air Filter Kit	99–4663
Filter Minder	99–4664

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

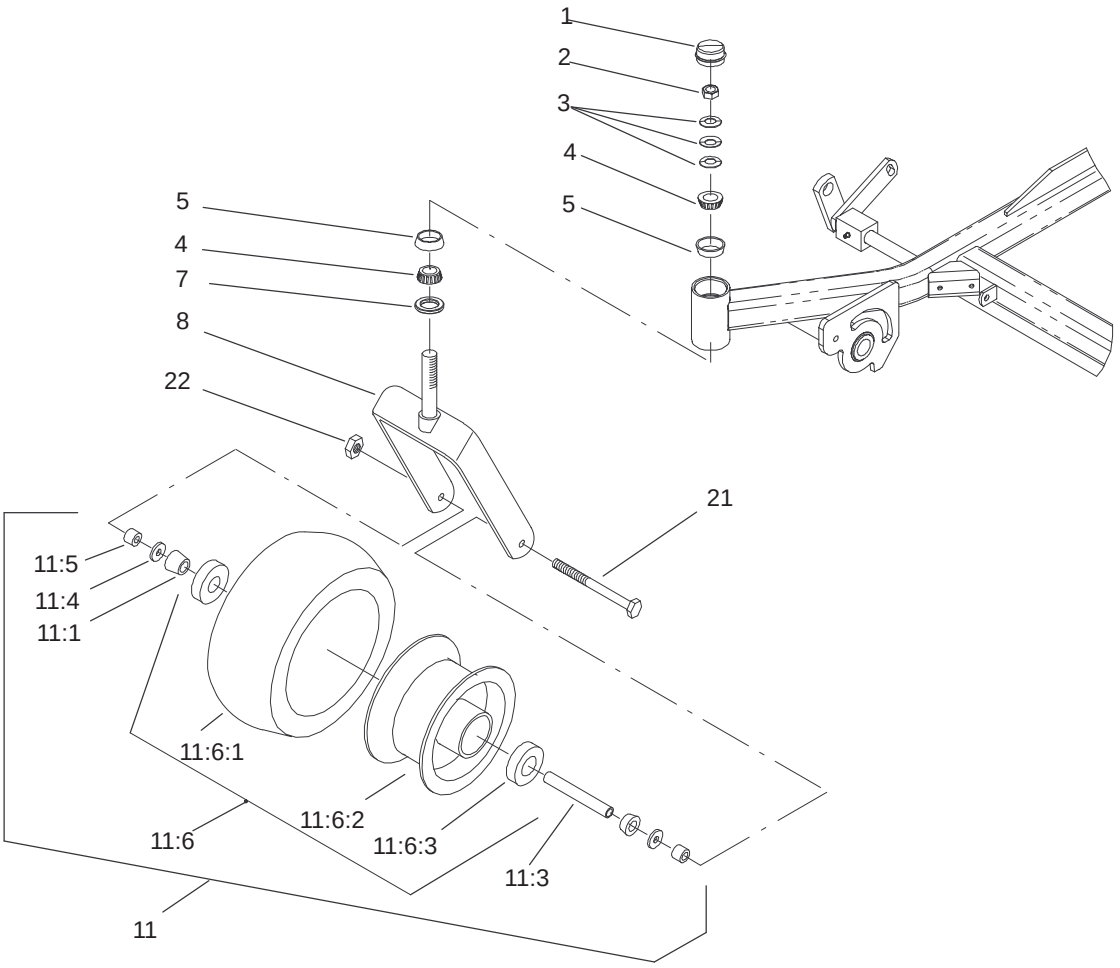


Sheet No.:2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	104–5132	1	Frame ASM
1:2	1–633818	1	Decal–Warning
1:3	1–811010	2	Plug
1:4	302–19	5	Fitting–Grease
3	100–6509	1	Floorpan ASM
3:2	1–633553	3	Pad–Antiskid
3:3	1–633766	1	Decal–Check
3:4	98–5954	1	Decal–Missing, Cover
3:5	1–633737	1	Decal–Z–Master
5	1–632324–03	1	Lever–Lift
6	1–633295	1	Grip–Lever, Lift
7	1–632219–03	1	Arm–Lift, Deck
8	1–633325	1	Spring–Compression
9	3256–24	1	Washer–Flat
10	3296–39	5	Nut–Lock, NI
11	32151–103	5	Ring–Snap
12	1–633068	2	Arm–Lift, Deck
13	3272–10	2	Pin–Cotter
14	283–2	2	Pin–Clevis
15	1–633889–01	1	Plate–Lift, Deck
16	1–632899–01	1	Plate–Lift, Deck
17	1–633082	1	Bushing–Lever, Lift
18	1–633080	1	Bushing–Lever, Lift
19	323–13	1	Screw–HH
20	1–633097	1	Pin–Hitch w/Lanyard
21	1–806005	1	Pin–Hair

Ref. No.	Part No.	Qty.	Description
22	323–9	2	Screw–HH
23	98–5975	12	Washer–Belleville
24	3290–357	15	Nut–Flange, Lock
25	323–6	3	Screw–HH
26	323–7	12	Screw–HH
27	3256–29	4	Washer–Flat
28	1–633096	2	Rod–Lift, Deck
29	3217–11	8	Nut–Hex
30	1–633441	4	Swivel–Deck Mount, Rear
31	3256–7	2	Washer–Flat
32	1–633064	2	Spring–Support, Deck
33	3218–6	4	Nut–Jam
34	3256–7	2	Washer–Flat
36	1–633706	1	Decal–Height, Deck
37	1–633345	1	Decal–Height, Deck

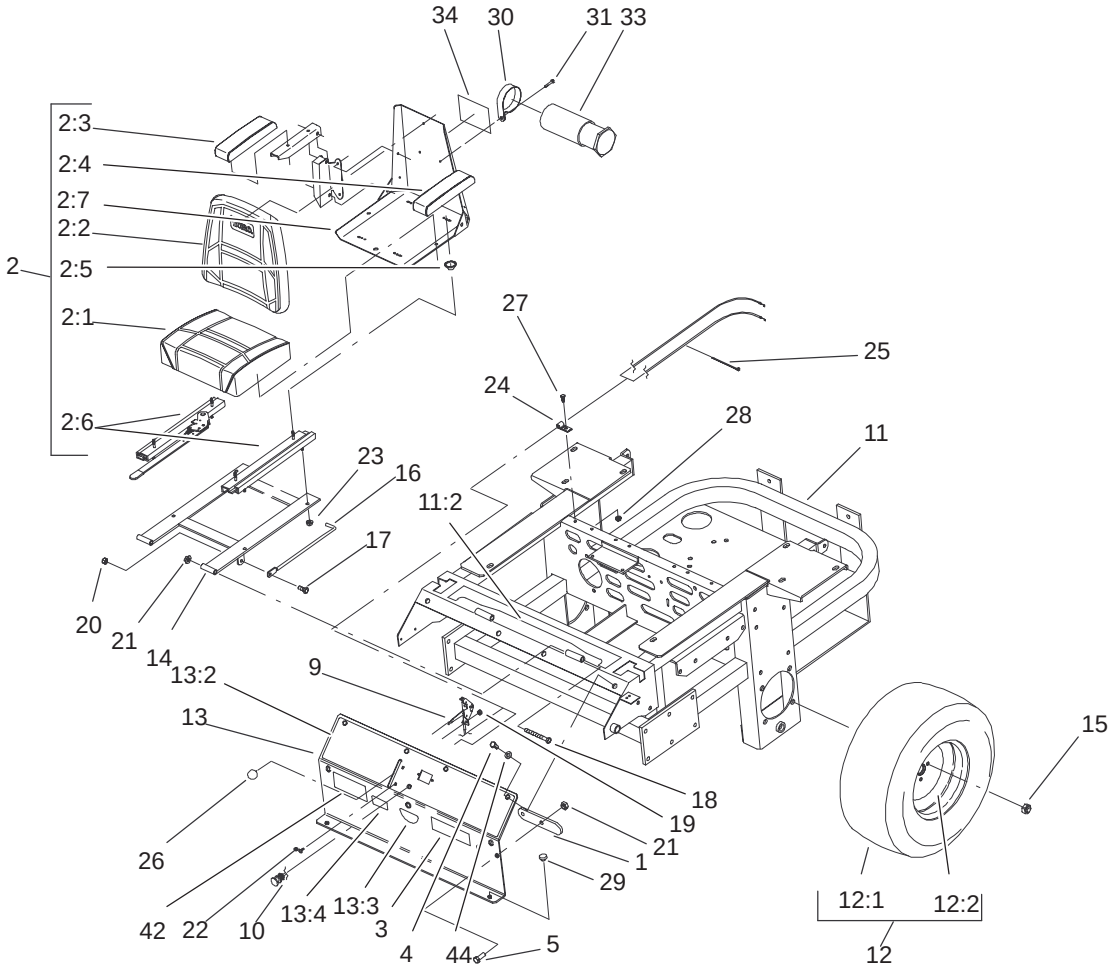


Sheet No.:3

Caster and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	1–543513	2	Cap–Grease
2	3296–51	2	Nut–Lock, NI
3	1–633508	6	Washer–Belleville
4	254–94	4	Bearing–Taper/Cone
5	254–72	4	Bearing–Taper/Cup
7	1–543511	2	Seal–Grease
8	1–642111–01	2	Caster
11	1–644251	2	Caster Wheel ASM
11:1	1–633585	2	Bearing–Cone, Tapered
11:3	1–633959	1	Spacer–Caster, Front
11:4	1–633580	2	Seal–Bearing
11:5	1–633581	2	Spacer–Bearing
11:6		1	Wheel & Tire ASM
11:6:1	1–523009	1	Tire
11:6:2	1–633987	1	Wheel
11:6:3	1–633584	2	Bearing–Cup
21	325–24	2	Screw–HH
22	3296–45	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

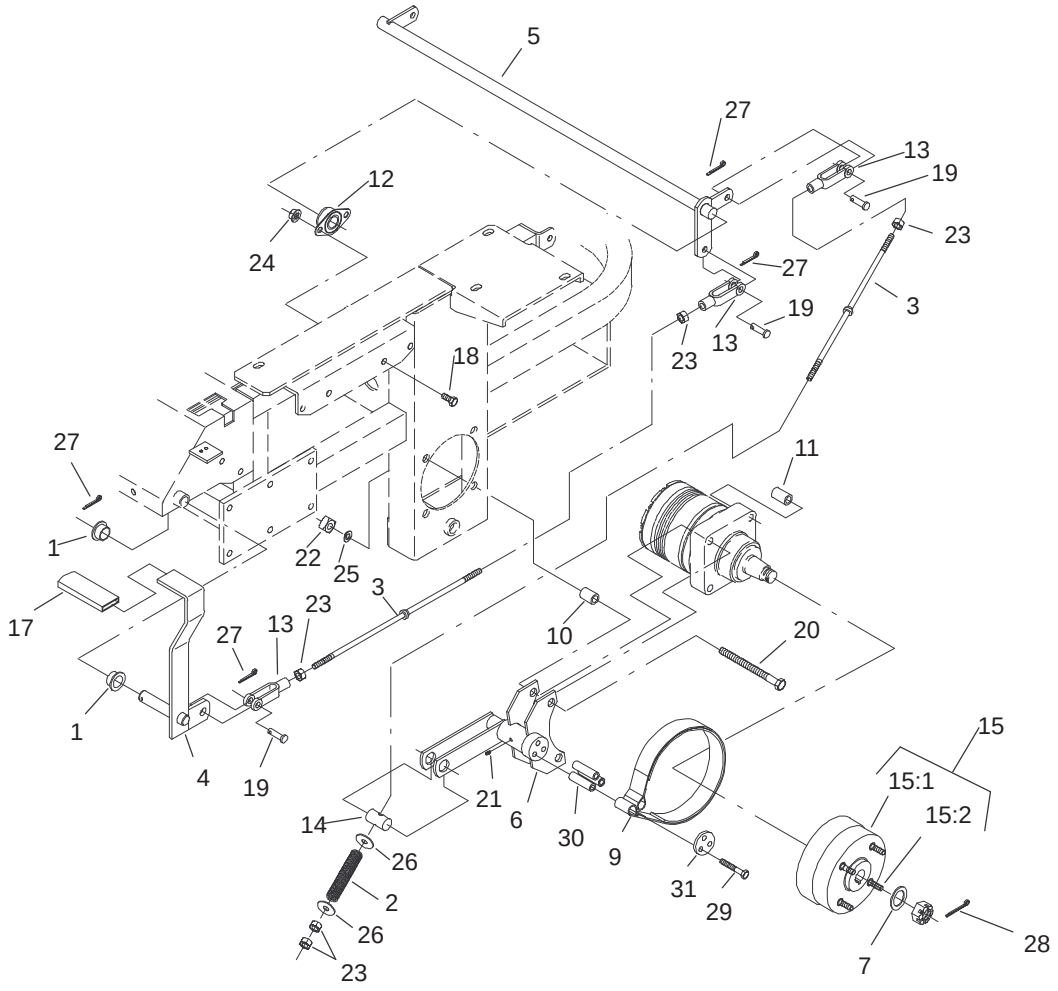


Sheet No.:4

Rear Frame and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633964–03	1	Stop–Brake, Park
2	1–633705	1	Seat w/Tracks
2:1	103–0290	1	Cushion–Bottom, Seat
2:2	104–7754	1	Cushion – Back, Seat
2:3	1–633710	1	Cushion–Armrest, RH
2:4	1–633711	1	Cushion–Armrest, LH
2:5	1–543401	4	Spacer–Track
2:6	1–643255	1	Track–Seat, 4”
2:7	1–633859	1	Frame–Seat
4	322–3	6	Screw–HH
5	323–6	2	Screw–HH
9	1–633696	1	Cable–Throttle
10	1–603336	1	Control–Choke
11	100–4261	1	Rear Frame ASM
11:2	103–0245	1	Decal–Console, Top
12	1–633970	2	Wheel & Tire ASM
12:1	1–633993	1	Tire
12:2	1–633992	1	Wheel
13	99–4623	1	Console ASM
13:2	100–4311	1	Decal–Panel, Control
13:3	103–0262	1	Decal–Valve, Fuel
13:4	98–4387	1	Decal–Protection, Ear
14	1–632187–03	1	Frame – Seat
15	242–50	8	Nut – Lug
16	1–633293	1	Rod–Holdup, Seat
17	322–5	1	Screw–HH

Ref. No.	Part No.	Qty.	Description
18	323–21	2	Screw–HH
19	3296–2	2	Nut–Lock
20	3296–29	1	Nut–Lock
21	3296–39	4	Nut–Lock, NI
22	1–807513	2	Bolt–CARR
23	32128–20	4	Nut–HF
24	1–513762	1	Clip–Loom
25	1–303335	1	Tie–Plastic
26	1–513592	1	Knob–Ball, Red
27	321–4	1	Screw–HH
28	32128–33	1	Nut–HF
29	1–513658	2	Bumper–Catcher, Grass
30	2412–120	2	R–Clamp
31	32104–76	2	Screw
33	74–0720	1	Tube–Manual
34	99–4693	1	Decal–Toro
42	99–4628	1	Decal–Z253
44	3256–23	6	Washer–Flat

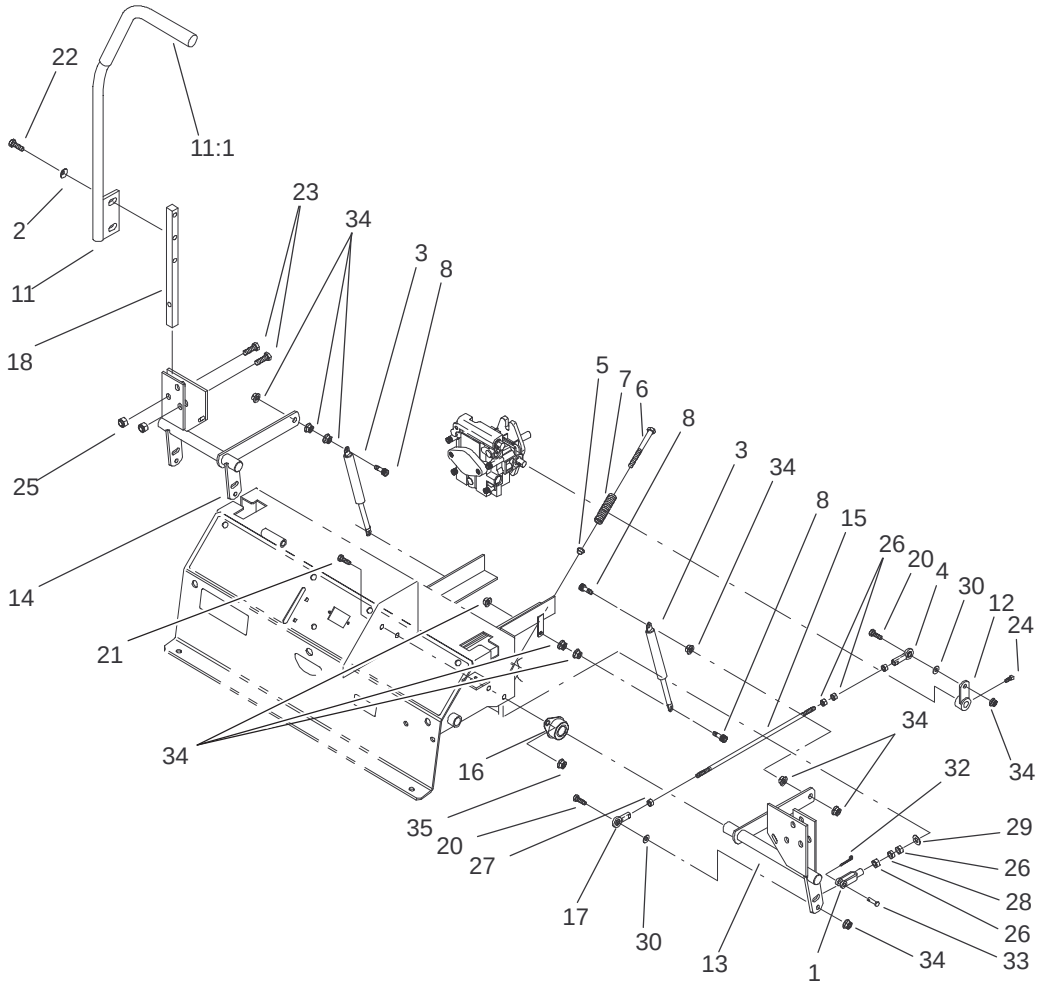


Sheet No.:5

Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description
1	1–513140	2	Bearing–Control
2	1–633454	2	Spring–Brake
3	1–633477	3	Rod–Brake
4	1–634500	1	Brake Lever/Grip ASM
5	1–632217–03	1	Shaft–Brake
6	103–0352–03	2	Bracket–Brake
7	1–523157	2	Washer–Spacer
9	103–0355	2	Band–Brake
10	1–633380	4	Spacer–Wheel, Short
11	1–633382	4	Spacer–Wheel, Long
12	1–633102	2	Bearing–Flange, Side
13	1–633131	4	Yoke–Linkage, Brake
14	1–633144	2	Pin–Trunion
15	103–0590	2	Hub–Wheel w/Studs
15:1	103–0589	1	Hub–Wheel
15:2	1–633926	4	Stud–Heel
17	1–633268	1	Grip–Lever, Brake
18	323–4	4	Screw–HH
19	1–808285	4	Pin–Clevis
20	325–17	8	Screw–HH
21	1481	2	Fitting–Grease
22	103–0131	8	Nut–Square
23	3219–3	8	Nut–HH
24	3290–357	4	Nut–Flange, Lock
25	3253–7	8	Washer–Lock
26	3256–4	4	Washer–Flat

Ref. No.	Part No.	Qty.	Description
27	3272–10	7	Pin–Cotter
28	1–806800	2	Pin–Cotter
29	322–9	6	Screw–HH
30	103–0384	6	Spacer
31	103–0374	2	Retainer–Band, Brake



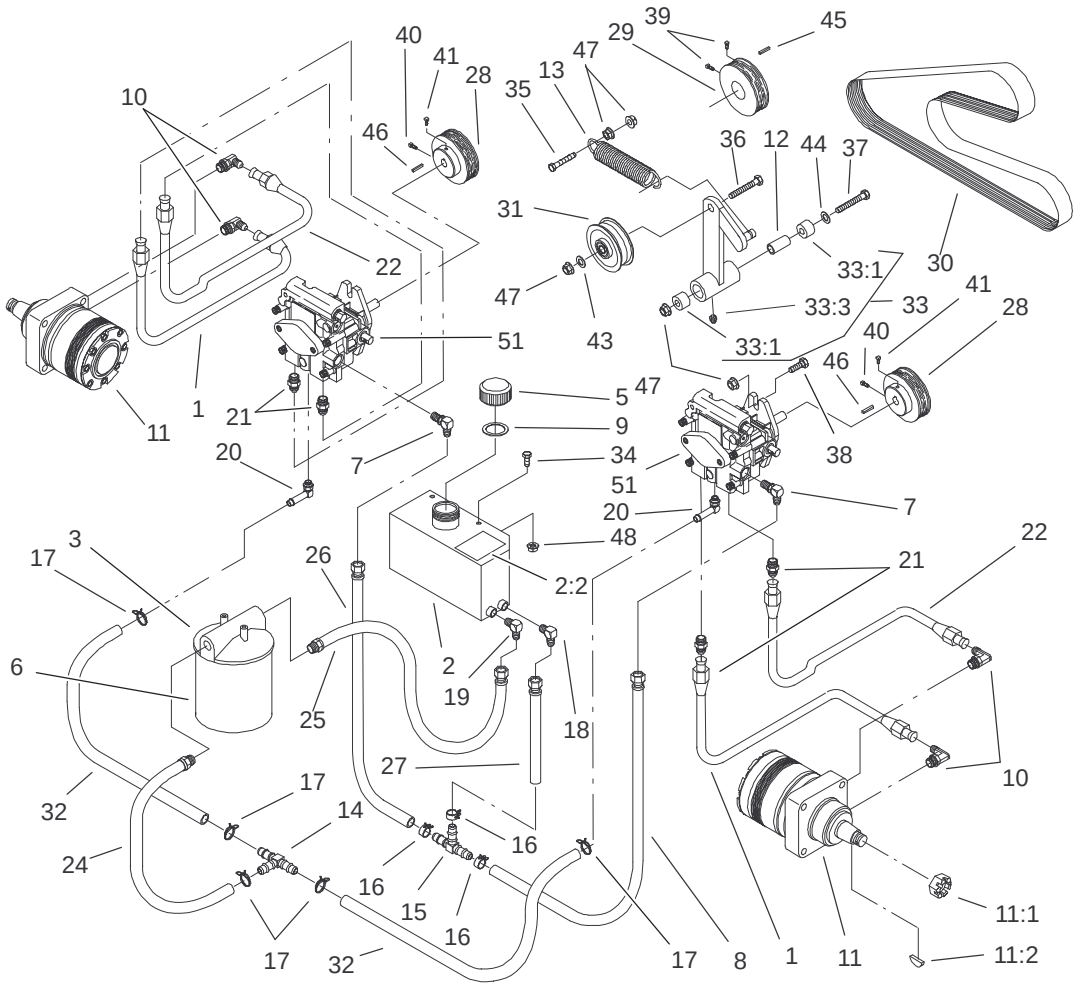
Sheet No.:6

Control Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	1–303105	2	Yoke–Adjustable
2	98–5975	4	Washer–Belleville
3	1–523027	2	Damper–Control
4	1–543017	2	Balljoint–RH
5	1–603735	2	Bushing–Flanged, Nylon
6	1–603737	2	Bolt–Return, Neutral
7	1–603807	2	Spring–Return, Neutral
8	1–403180	4	Screw–HH
11	103–0632	1	RH Lever/Grip ASM
11:1	1–633257	1	Grip–Control, Motion
12	1–632208–03	2	Arm–Control, Pump
13	1–642319	1	Control–Motion, LH
14	1–642320	1	Control–Motion, RH
15	1–633153	2	Linkage–Pump/Lever
16	1–633102	4	Bearing–Flange, Side
17	1–633152	2	Balljoint–Thread, LH
18	103–0407	2	Arm–Shaft, 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	1–803022	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
28	3220–2	2	Nut
29	3256–2	2	Washer–Flat
30	3256–3	4	Washer–Flat
32	3272–5	2	Pin–Cotter
33	1–808280	2	Pin–Clevis
34	32128–20	16	Nut–HF
35	3290–357	8	Nut–Flange, Lock
*37	103–0631	1	LH Lever/Grip ASM

* Not illustrated



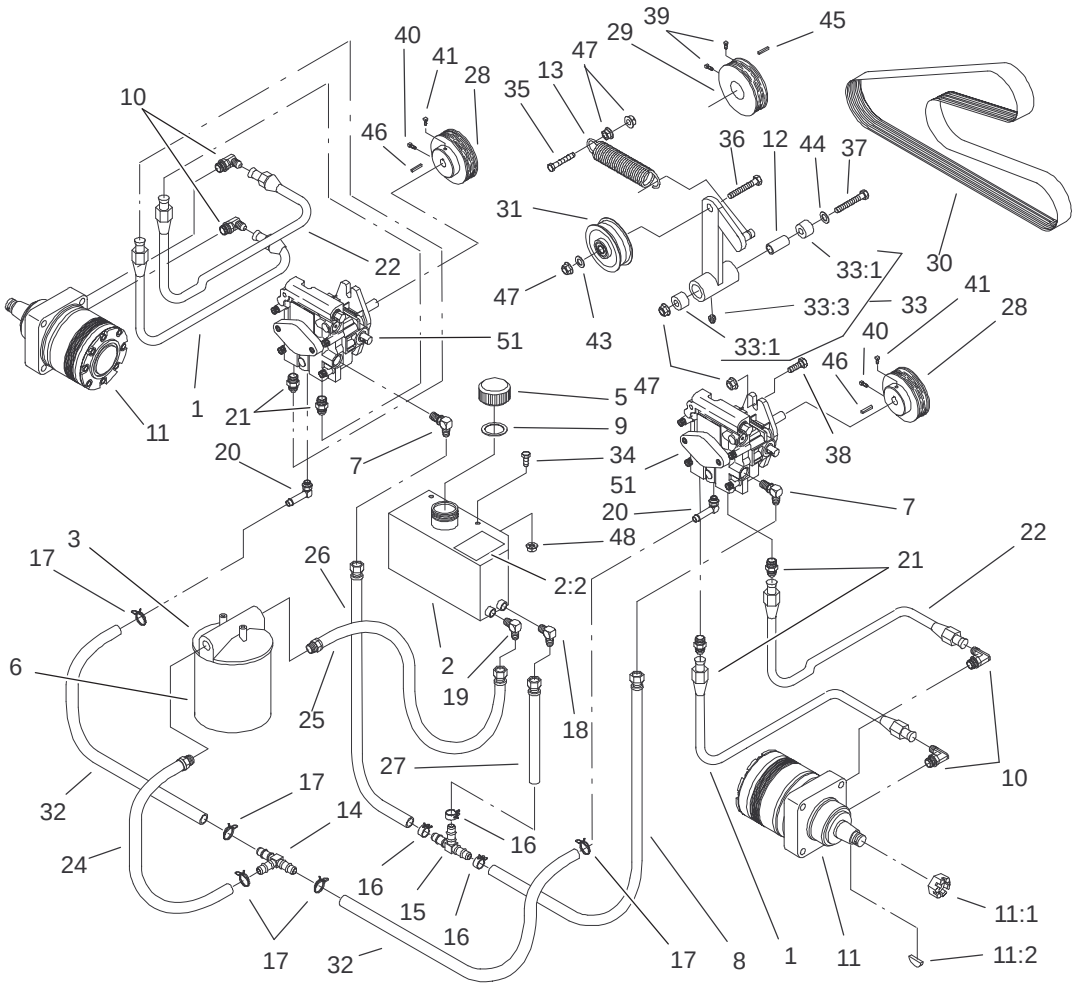
Sheet No.:7

Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633774	2	Hose–Upper
2	99–4625	1	Hydraulic Tank ASM
2:2	1–523552	1	Decal–Tank, Hydraulic
3	1–513006	1	Filter–Head
5	1–513167	1	Cap–Reservoir, Hydraulic
6	1–633750	1	Filter–Hydraulic
6	1–633752	1	Filter–Winter, Hydraulic
7	1–513840	2	Fitting–90°
8	1–522217	1	Low Pressure Hose ASM
9	1–523103	1	Gasket–Cap, Tank
10	1–633786	4	Fitting–90°
11	1–523328	2	Motor–Wheel
11:1	1–809036	1	Nut–HH
11:2	1–807020	1	Key–Woodruff
*11:99	1–000099	1	Kit–Seal
*11:99	1–000139	1	Kit–Bearing
12	1–603384	1	Bushing–Pivot, Idler
13	1–603413	1	Spring–Extension
14	1–603721	1	Fitting–Tee, Hose
15	1–603722	1	Fitting–Tee, Hose
16	1–603826	3	Clamp–Hose
17	1–603827	5	Clamp–Hose
18	1–603987	1	Fitting–Elbow

Ref. No.	Part No.	Qty.	Description
19	1–603988	1	Fitting–Elbow
20	1–603989	2	Fitting–Elbow
21	1–603990	4	Fitting–Straight
22	1–633775	2	Hose–Lower
24	1–632281	1	Hose ASM
25	1–632282	1	Hose ASM
26	1–632285	1	Hose ASM
27	1–632286	1	Hose ASM
28	1–633568	2	Sheave
29	1–633567	1	Sheave
30	1–633749	1	Belt–Drive, Pump
31	1–633167	1	Sheave–Idler
32	1–633335	2	Hose–Pressure, Low
33	1–634277	1	Bearing Arm ASM
33:1	1–513034	2	Sleeve–Bearing
33:3	302–40	1	Fitting–Grease
34	321–4	2	Screw–HH
35	323–8	1	Screw–HH
36	323–9	1	Screw–HH
37	1–800805	1	Screw–HH
38	323–7	4	Screw–HH
39	1–803022	2	Screw
40	3242–6	2	Screw–Set, SQH
41	3242–4	2	Screw–Set, SQH
43	3256–3	1	Washer–Flat
44	3256–4	1	Washer–Flat

* Not illustrated



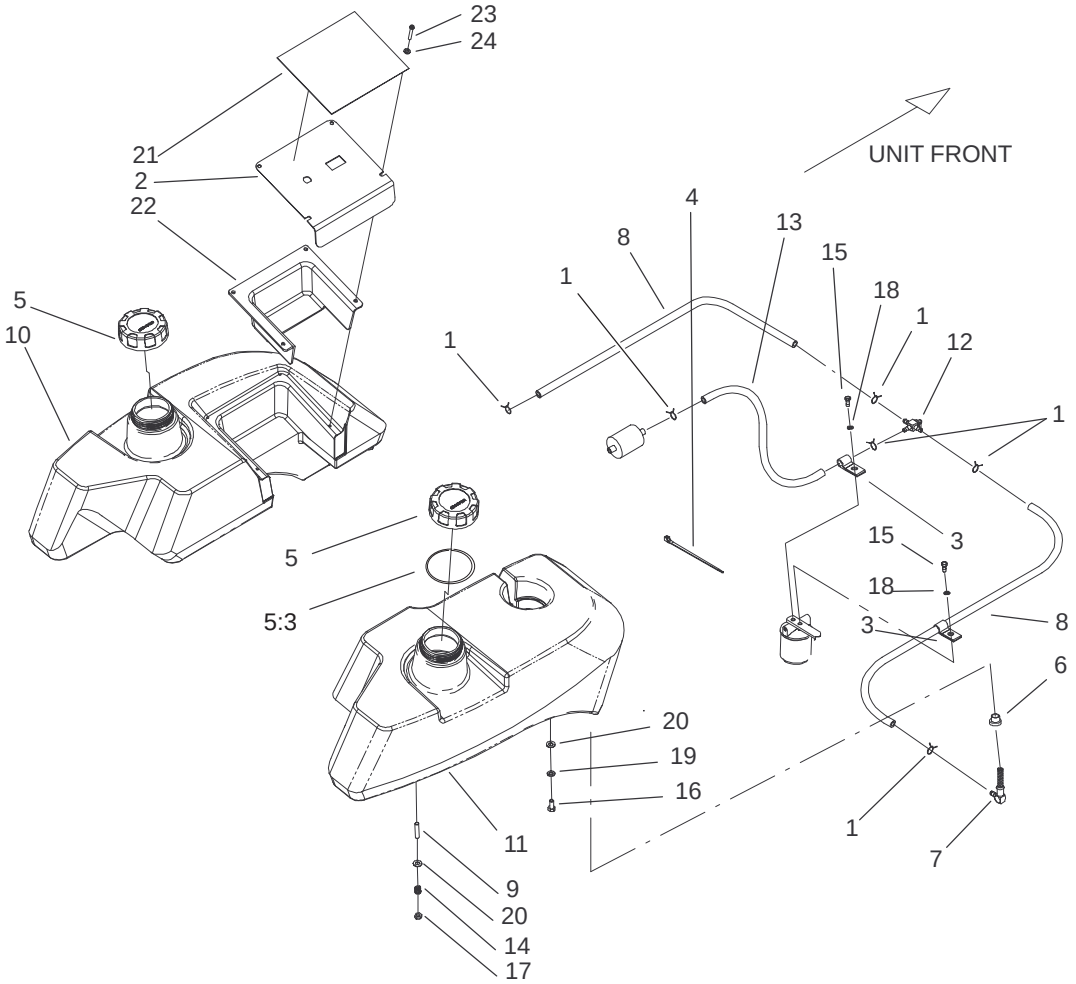
Sheet No.:7

Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
45	13–2840	1	Key–Square
46	1–807272	2	Key–Machine
47	3290–357	8	Nut–Flange, Lock
48	32128–33	2	Nut–HF
51	1–603841	2	Pump–Hydraulic, RH
*51	80–6130	1	Kit–Seal, Overhaul

Ref. No.	Part No.	Qty.	Description

* Not illustrated

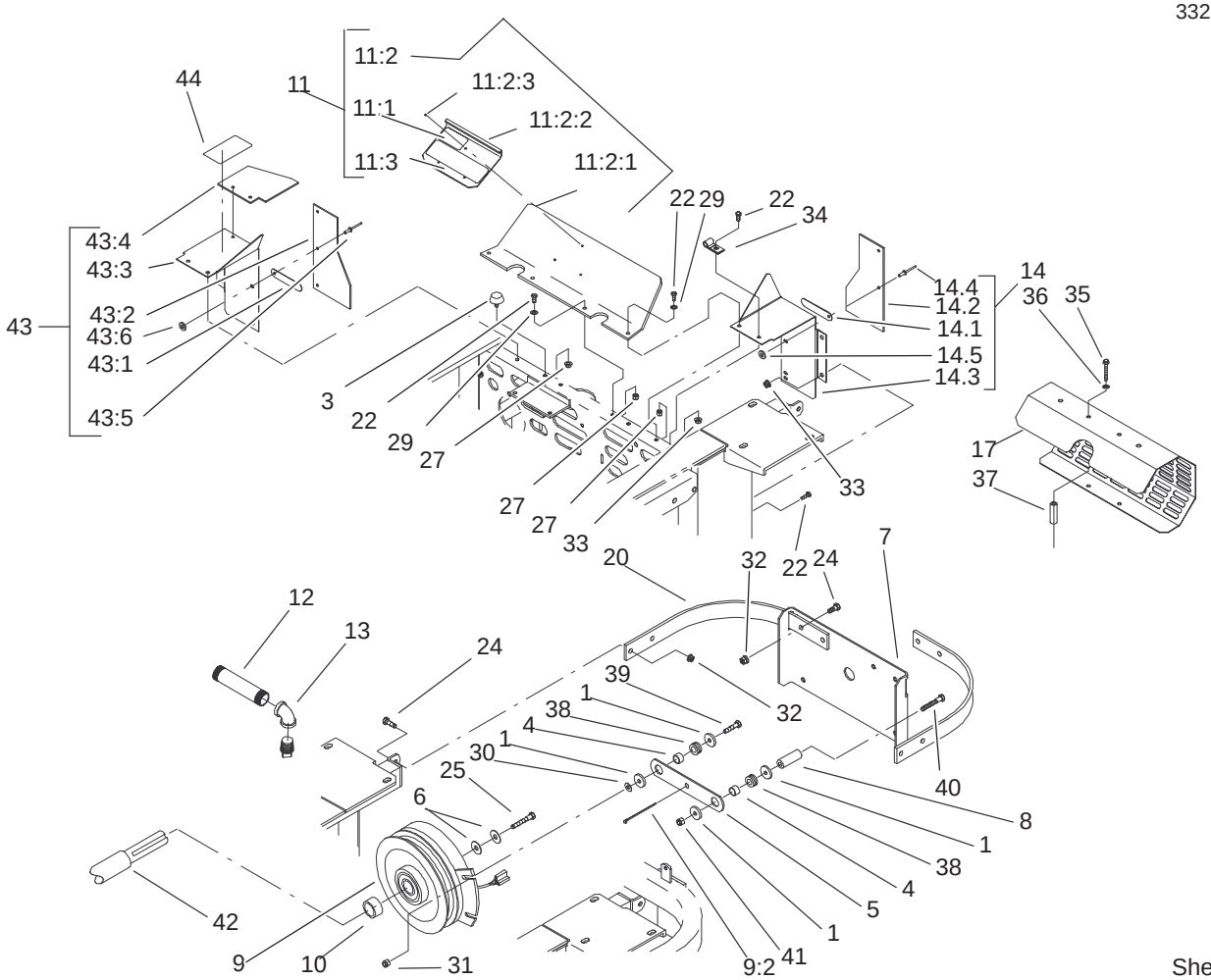


Sheet No.:8

Tank and Fuel Line Assembly

Ref. No.	Part No.	Qty.	Description
1	1–303077	6	Clamp–Line, Fuel
2	99–4656–03	1	Panel–Control
3	1–513762	2	Clip–Loom
4	1–303335	1	Tie–Plastic
5	88–3980	2	Gas Cap ASM
5:3	88–4010	1	Gasket–Cap, Gas
6	1–513645	2	Bushing–Valve, Fuel
7	1–543277	2	Elbow–Tank, Fuel
8	1–543456	2	Hose–Fuel
9	1–633023	6	Stud
10	104–5100	1	Tank–Fuel, LH
11	104–5101	1	Tank–Fuel, RH
12	1–633347	1	Valve–Fuel
13	103–0216	1	Hose–Fuel
14	1–633349	6	Spring–Tank, Fuel
15	321–3	2	Screw–HH
16	322–3	2	Screw–HH
17	3296–47	6	Nut–Lock, NI
18	3253–3	2	Washer–Lock
19	3253–4	2	Washer–Lock
20	3256–23	8	Washer–Flat
21	99–4632	1	Decal–Panel, Control
22	99–4940	1	Shield–Panel, Control
23	1–803071	4	Screw
24	1–303435	4	Washer–Spring

Ref. No.	Part No.	Qty.	Description

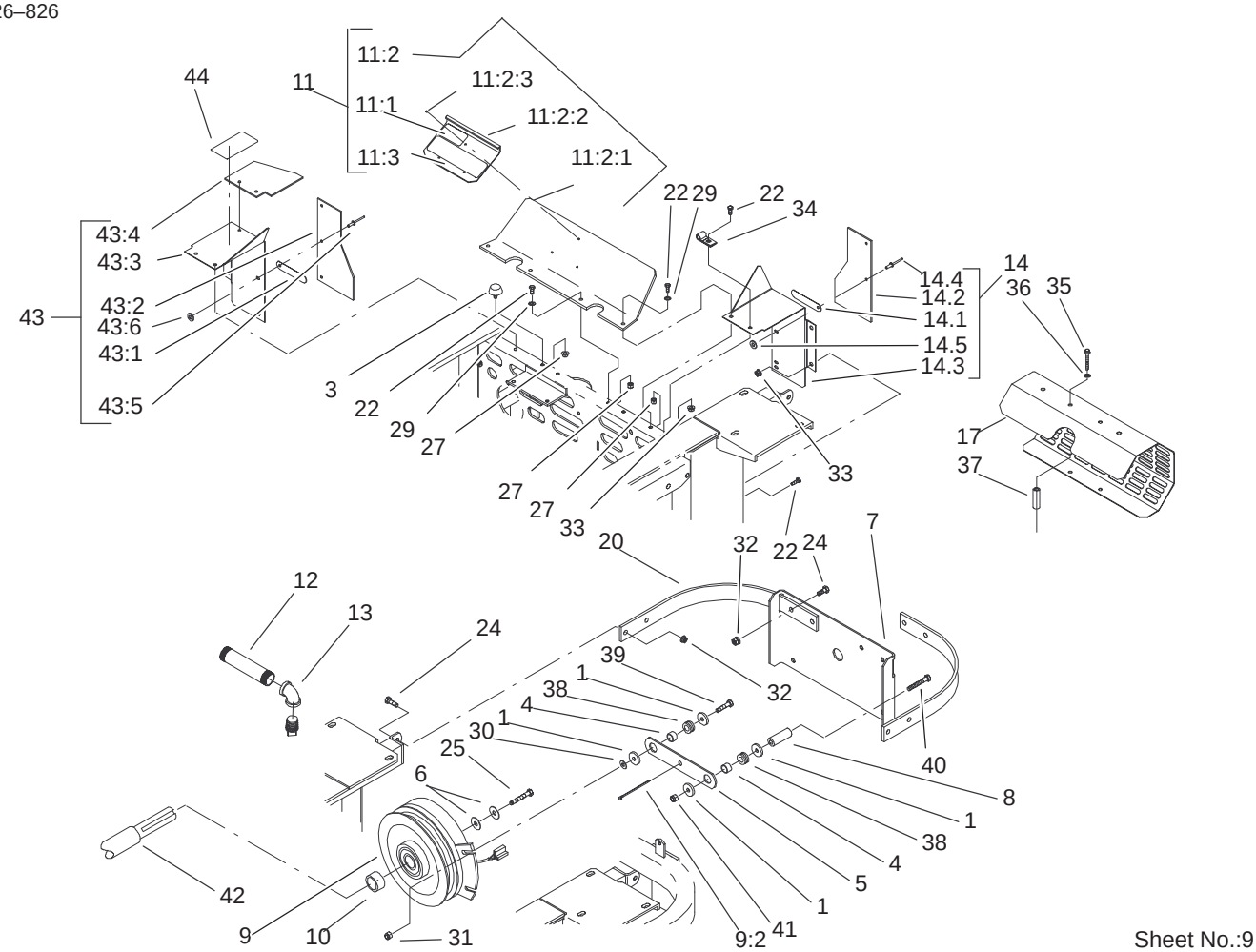


Sheet No.:9

Shield and Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	1–613235	4	Washer
3	1–523420	2	Bumper
4	1–633545	2	Spacer–Grommet
5	1–633543–03	1	Strap–Clutch, Brake
6	1–603610	2	Washer–Spring
7	1–633615–03	1	Guard–Clutch
8	1–633988	1	Spacer–Anchor, Clutch
9	103–0662	1	Clutch ASM
10	1–633453	1	Spacer,Clutch
11	1–644276	1	Shield ASM
11:1	1–633462	1	Decal–Important
11:2	1–634308	1	Shield/Lift ASM
11:2:1	1–633298	1	Shield–Engine
11:2:2	1–633300–03	1	Lift–Shield
11:2:3	1–803035	3	Rivet–Pop
11:3	103–0368	1	Decal–Devices, Rotating
12	1–543232	1	Nipple
13	1–303428	1	Elbow–90°
14	1–634796	1	LH Shield ASM
14:1	1–523285	1	Clip–Baffle, Rear
14:2	1–633301	1	Shield–Engine
14:3	1–633795–03	1	Baffle–Engine Shield, LH
14:4	1–803035	3	Rivet–Pop
14:5	3256–63	3	Washer–Flat
17	1–643313–03	1	Guard–Muffler
20	1–643264–03	2	Bracket–Guard, Top
22	321–4	10	Screw–HH
24	323–6	6	Screw–HH
25	3212–10	1	Screw–HH
27	3296–42	6	Nut–Lock NI
29	3256–2	4	Washer–Flat
30	3256–3	1	Washer–Flat
31	32128–20	1	Nut–HF
32	3290–357	4	Nut–Flange, Lock
33	32128–33	5	Nut–HF
34	1–633396	1	Clip–Loom
35	1–809076	2	Screw
36	1–323235	2	Washer–Spring
37	1–323236	2	Spacer
38	1–633630	2	Grommet–Brake
39	322–6	1	Screw–HH
40	322–19	1	Screw–HH
41	3296–29	1	Nut–Lock
☆42		1	Engine–Kohler, 23hp Ch23s–76550
43	1–644316	1	RH Shield ASM
43:1	1–523285	1	Clip–Baffle, Rear
43:2	1–633301	1	Shield–Engine

☆ Not serviced

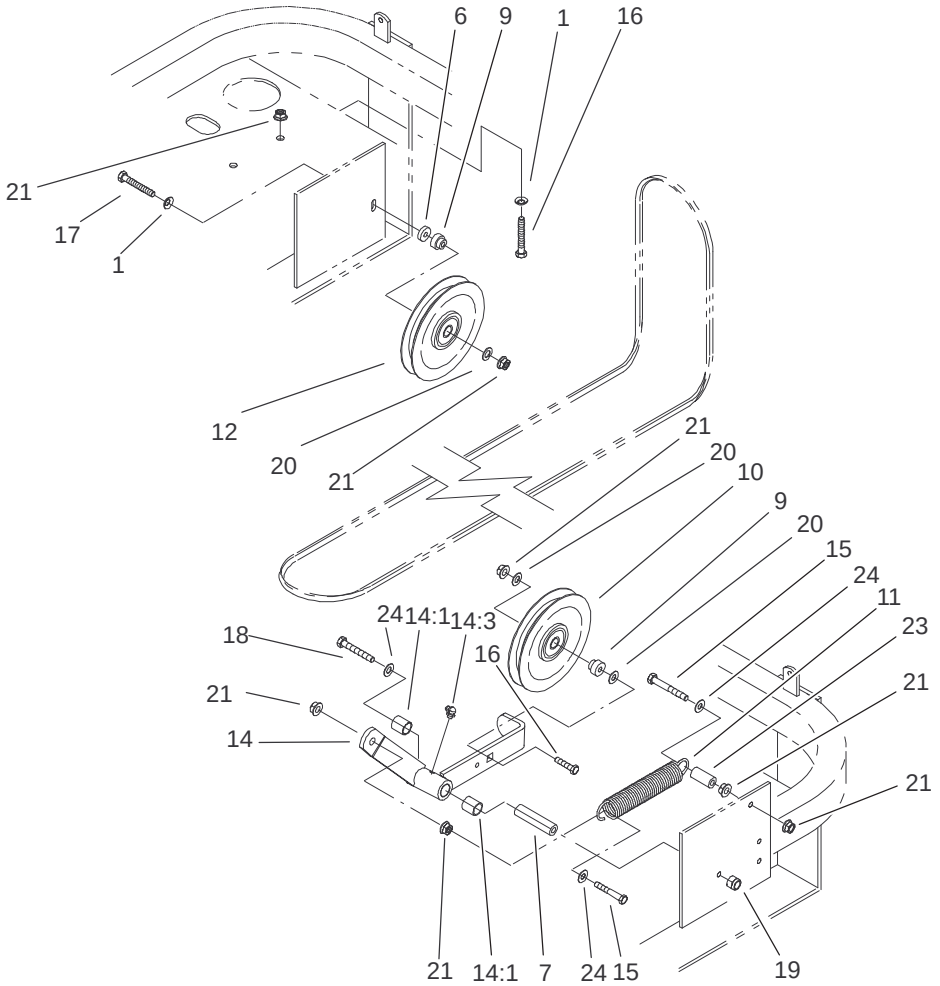


Sheet No.:9

Shield and Clutch Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
43:3	1–633794–03	1	Baffle–Engine Shield, RH
43:4	1–643315	1	Baffle–Cooler, Engine
43:5	1–803035	5	Rivet–Pop
43:6	3256–63	5	Washer–Flat
44	1–643339	1	Decal–Routing, Belt

Ref. No.	Part No.	Qty.	Description

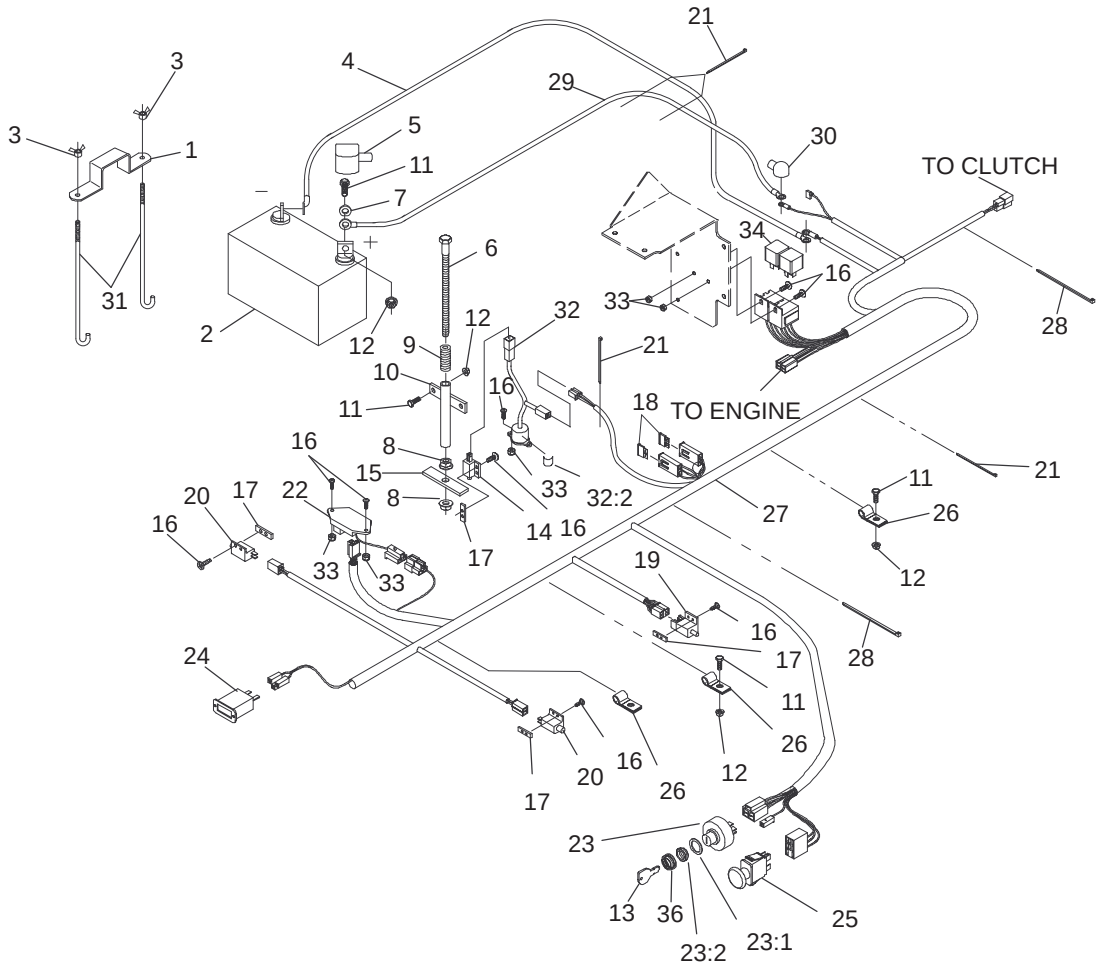


Sheet No.:10

Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	98–5975	5	Washer–Belleville
6	1–603050	1	Spacer
7	1–603384	1	Bushing–Pivot, Idler
9	1–603496	2	Bushing–Idler
10	99–4638	1	Idler
11	1–603402	1	Spring–Extension
12	1–633166	1	V–Belt–Idler
14	99–4677	1	Idler Arm ASM
14:1	1–513034	2	Sleeve–Bearing
14:3	302–40	1	Fitting–Grease
15	323–11	2	Screw–HH
16	323–9	5	Screw–HH
17	323–13	1	Screw–HH
18	1–800805	1	Screw–HH
19	3296–39	1	Nut–Lock, NI
20	3256–24	3	Washer–Flat
21	3290–357	10	Nut–Flange, Lock
23	1–603401	1	Spacer–Fender
24	3256–4	3	Washer–Flat

Ref. No.	Part No.	Qty.	Description

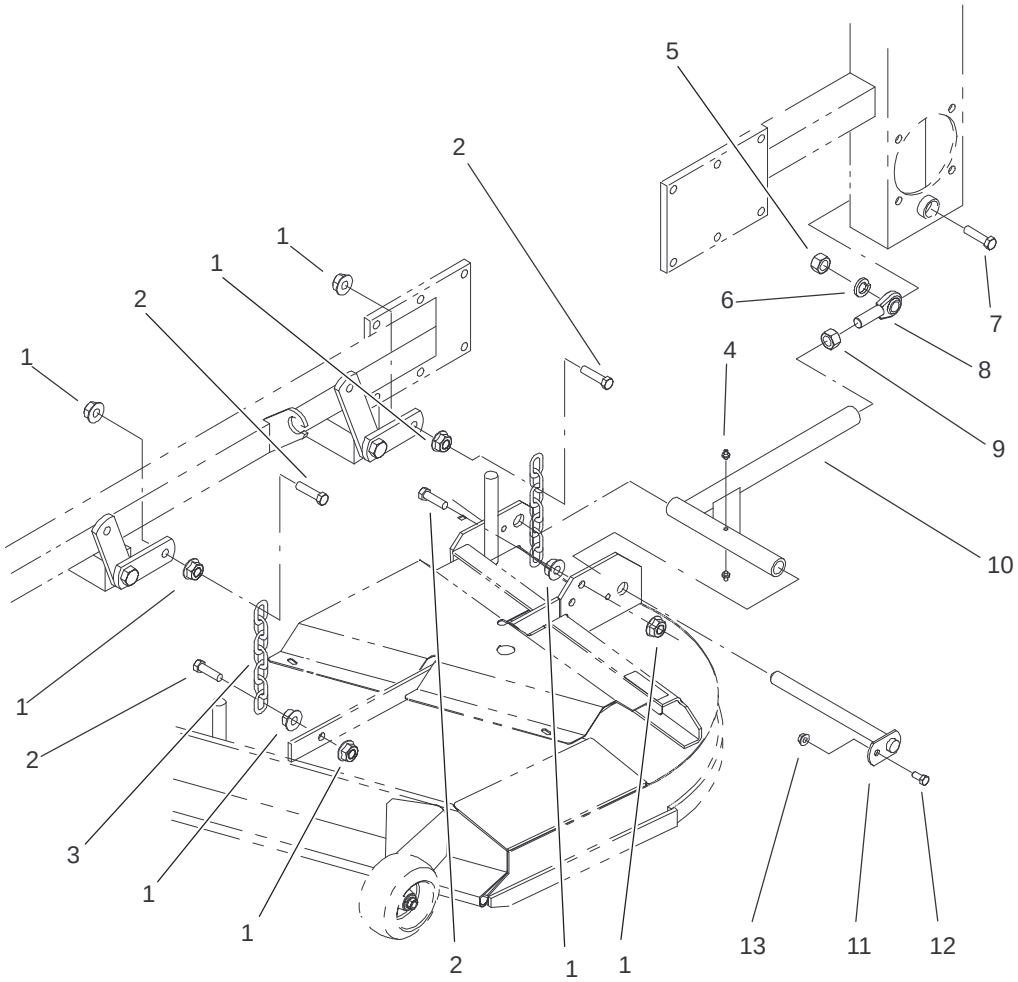


Sheet No.:11

Electrical System Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633652–03	1	Strap–Holddown, Battery
2	1–603479	1	Battery
3	1–543792	2	Wingnut
4	1–633307	1	Wire–Ground
5	1–543391	1	Insulator–Battery
6	1–800282	1	Screw–HH
7	3256–2	2	Washer–Flat
8	32128–20	2	Nut–HF
9	1–523415	1	Spring–Switch, Seat
10	1–522424–03	1	Mount–Spring, Seat
11	321–4	6	Screw–HH
12	32128–33	6	Nut–HF
13	63–8360	2	Key–Ignition
14	1–513152	1	Switch–Closed, Normally
15	1–513180	1	Plate–Switch, Seat
16	3290–500	14	Screw–PPH
17	1–633181	4	Plate–Tapped
18	1–816001	2	Fuse–Type, Blade
19	1–633111	1	Switch
20	1–513051	2	Switch–Open, Normally
21	1–303287	5	Tie–Plastic
22	100–6186	1	Module–Delay, Seat
23	88–9830	1	Switch–Ignition

Ref. No.	Part No.	Qty.	Description
23:1	3254–5	1	Washer–Lock, Internal
23:2	218–461	1	Nut–HH
24	1–513374	1	Meter–Hours
25	1–633673	1	Switch–Delta
26	1–633396	3	Clip–Loom
27	100–4340	1	Harness–Wire
28	1–303335	2	Tie–Plastic
29	1–523281	1	Wire–Starter
30	1–543393	1	Insulator–Solenoid
31	1–633651	2	Bolt–Holddown
32	1–644427	1	Tilt Switch ASM
32:2	1–643401	1	Decal–Switch, Mercury
33	3296–2	6	Nut–Lock
34	1–643275	2	Relay
36	103–0499	1	Seal–Switch, Ignition

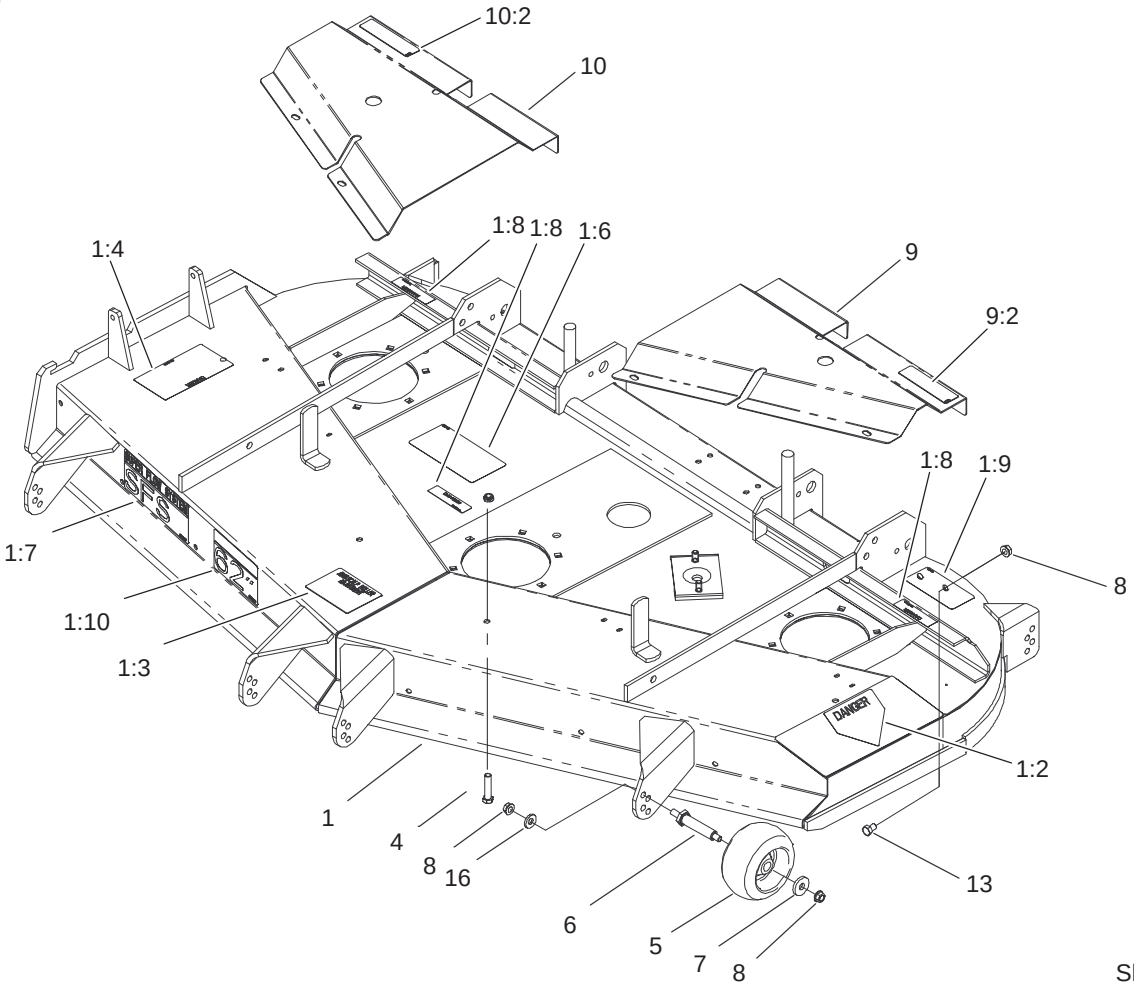


Sheet No.:12

Frame and Deck Assembly

Ref. No.	Part No.	Qty.	Description
1	32128–37	16	Nut–HF
2	324–6	8	Screw–HH
3	1–633447	4	Chain–Lift, Deck
4	302–19	4	Fitting–Grease
5	3217–11	2	Nut–Hex
6	3253–8	2	Washer–Lock
7	327–11	2	Screw–HH
8	1–633029	2	Balljoint–Spherical
9	3219–6	2	Nut–Hex
10	103–1072–01	2	Strut–Deck
11	1–632199–01	2	Pin–Strut, Deck
12	322–3	2	Screw–HH
13	3296–29	2	Nut–Lock

Ref. No.	Part No.	Qty.	Description

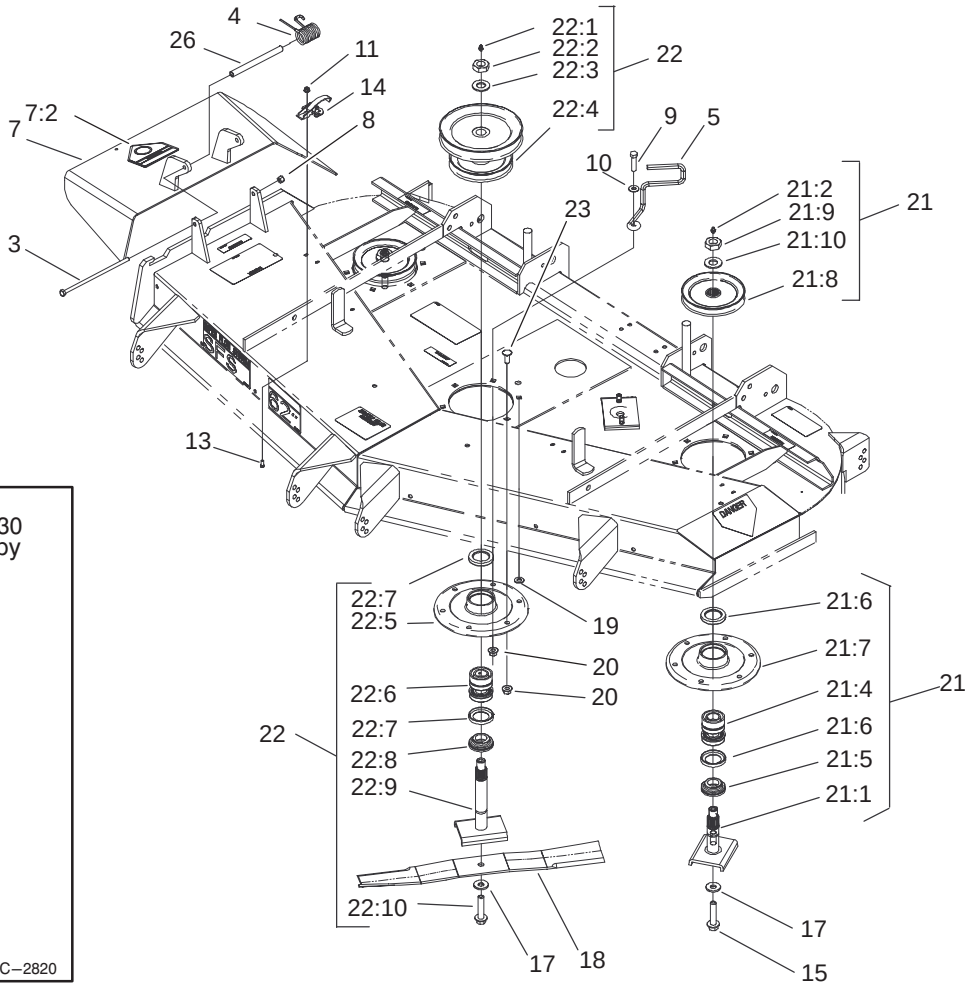


Sheet No.:32

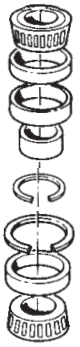
Deck, Deflector and Roller Assembly

Ref. No.	Part No.	Qty.	Description
1	104–7762	1	Deck ASM
1:2	43–8480	1	Decal–Danger
1:3	98–3798	1	Decal–Wheel, Gage
1:4	66–1340	1	Decal–Danger
1:6	99–4686	1	Decal–Routing, Belt
1:7	99–4619	1	Decal–SFS
1:8	98–5954	3	Decal–Missing, Cover
1:9	93–7818	1	Decal–Torque, Blade
1:10	99–4620	1	Decal–Deck
4	323–4	4	Screw–HH
5	68–2730	6	Gage–Wheel
6	99–2842	6	Spacer–Wheel
7	1–373034	6	Washer–Swivel
8	3290–357	18	Nut–Flange, 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	2	Screw–HH
16	98–5975	6	Washer–Belleville

Ref. No.	Part No.	Qty.	Description



Part No. 46–8530
Bearing Assemby



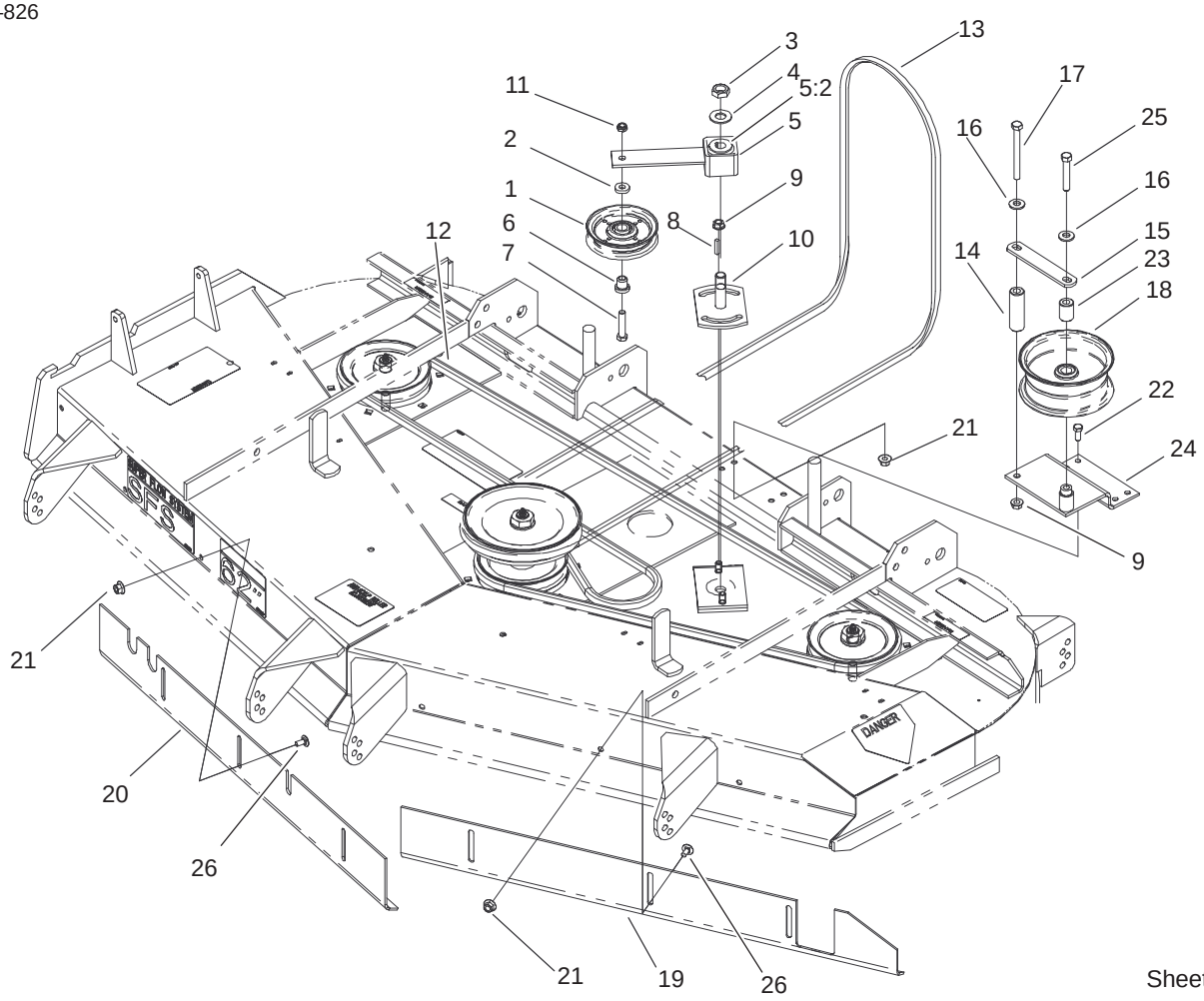
C–2820

Sheet No.:33

Spindle and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
3	322–50	1	Screw–Cap
4	104–8554	1	Spring–Torsion
5	99–8933	1	Guide–Belt
7	104–7763	1	Deflector ASM
7:2	54–9220	1	Decal–Danger
8	3296–29	1	Nut–Lock
9	323–8	1	Screw–HH
10	3256–3	1	Washer–Flat
11	32128–17	8	Nut–Lock, Flange
13	3290–321	8	Screw–HWH
14	249–21	4	Clamp–Slotted
15	92–5816	2	Bolt–Blade
17	1–513435	3	Washer–Spring
18	44–6250	3	Blade
19	3256–24	1	Washer–Flat
20	32128–21	18	Nut–HF
21	99–4640	2	Outer Spindle 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	Housing–Spindle
21:8	99–4614	1	Pulley & Hub
21:9	32146–20	1	Nut–Jam

Ref. No.	Part No.	Qty.	Description
21:10	7–4150	1	Washer–Pinion
22	99–4944	1	Middle Spindle 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	1	Pulley & Hub ASM
22:5	61–4160	1	Housing–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	Bolt–Blade
23	3231–22	17	Screw–CARR
26	104–8555	1	Spacer–Deflector, Mounting

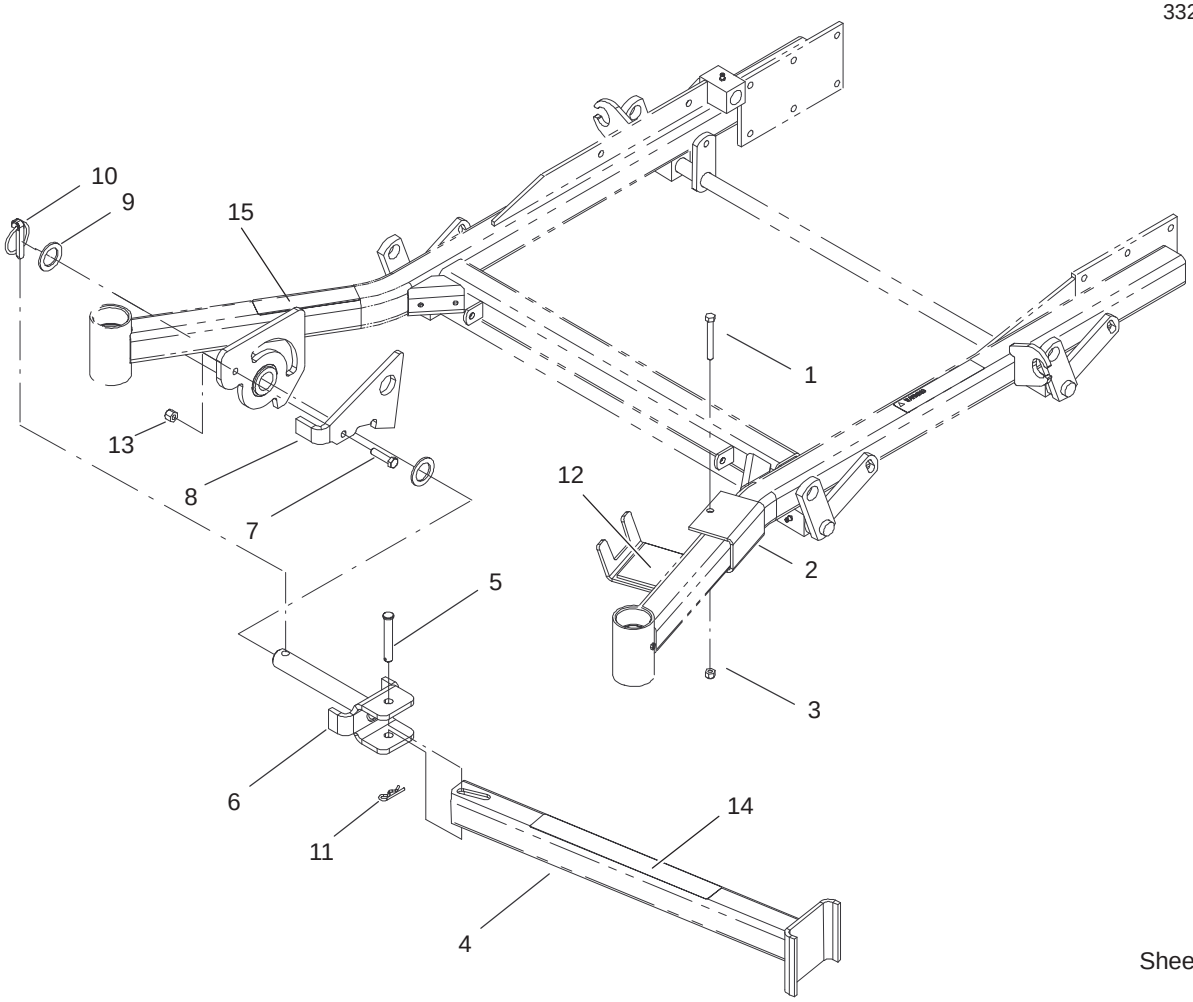


Sheet No.:34

Belt and Idler Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	65–5940	1	Pulley–Idler
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
5:2	27–8490	1	Bushing–Rubber, Idler
6	65–5950	1	Bushing–Pulley
7	3211–8	1	Screw–HH
8	5–1077	1	Key–Square
9	3290–357	3	Nut–Flange, 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–Drive, Deck
14	99–4659	1	Spacer–Bracket
15	1–653189	1	Plate–Guide, Belt
16	98–5975	2	Washer–Belleville
17	323–42	1	Screw–HH
18	1–413099	1	Pulley–Idler
19	99–2833–03	1	Baffle–Front, LH
20	99–2834–03	1	Baffle–Front, RH
21	32128–20	10	Nut–HF
22	322–3	4	Screw–HH
23	1–653190	1	Spacer
24	99–4684–01	1	Bracket–Pulley

Ref. No.	Part No.	Qty.	Description
25	323–11	1	Screw–HH
26	3230–18	6	Screw–CARR



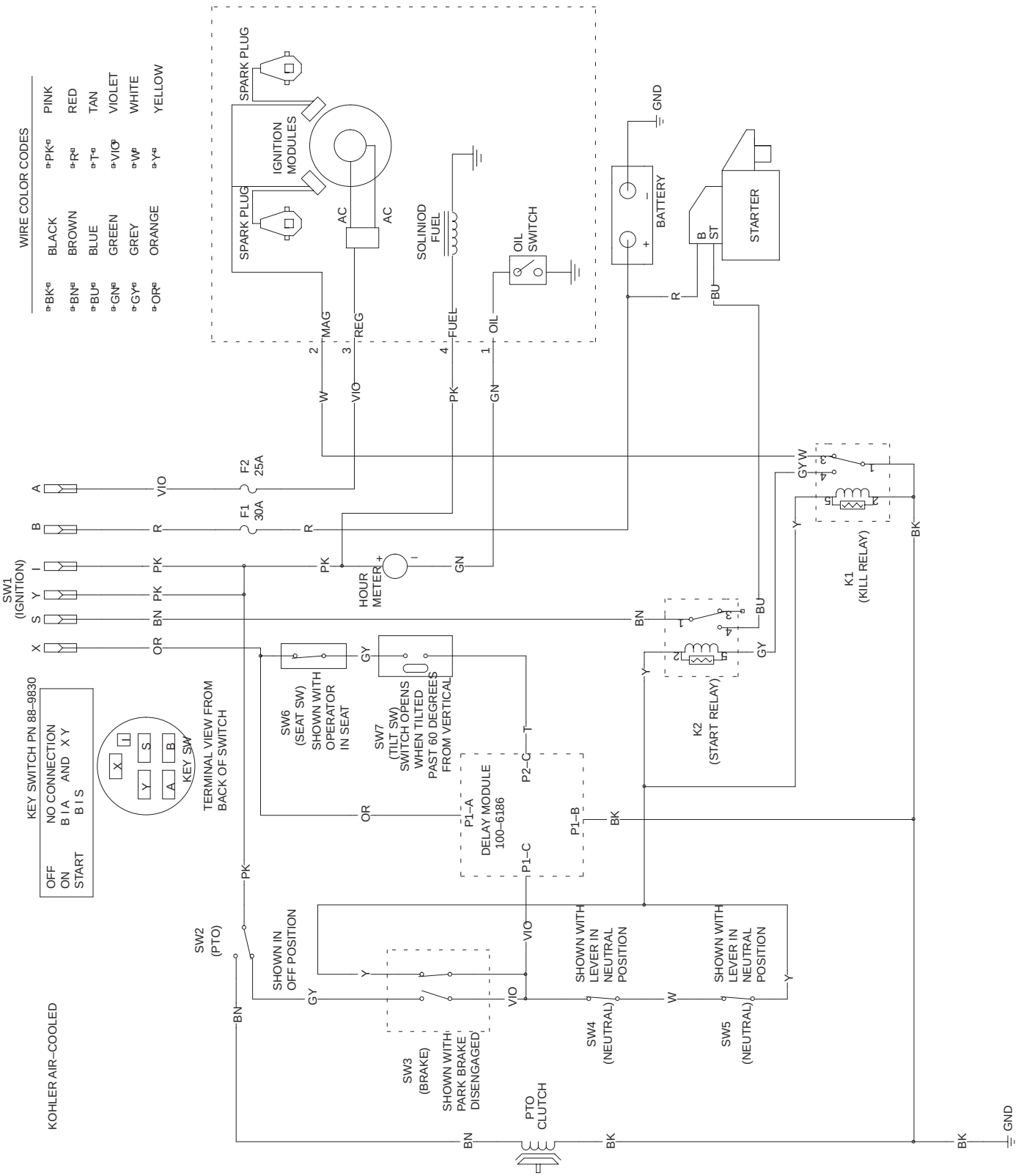
Sheet No.: 51

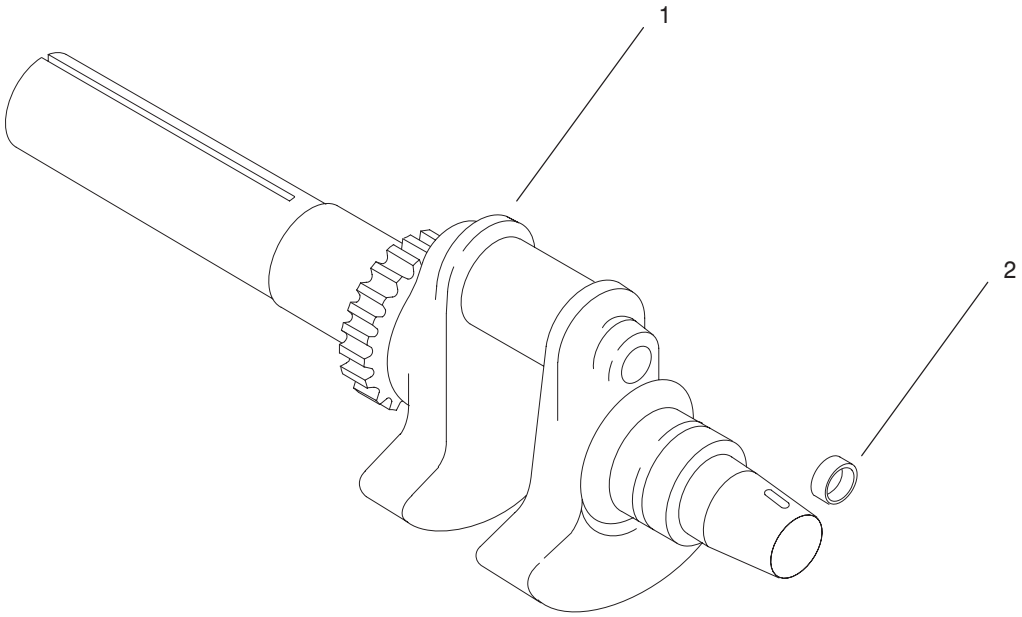
Stand Assembly

Ref. No.	Part No.	Qty.	Description
1	322–13	1	Screw–HH
2	100–9699–01	1	Bracket–Cradle
3	3296–29	1	Nut–Lock
4	100–9695–01	1	Leg ASM
5	283–55	1	Pin–Clevis
6	100–9692–01	1	Pivot Pin ASM
7	323–8	1	Screw–HH
8	100–9686–01	1	Bracket–Latch
9	3–6781	2	Washer–Thrust
10	283–71	1	Pin–Lynch
11	3290–355	1	Pin–Hair
12	104–7765	1	Cushion–Rubber
13	3296–39	1	Nut–Lock, NI
14	104–7758	1	Decal–Z Stand
15	104–7759	1	Decal–warning

Ref. No.	Part No.	Qty.	Description

Electrical Schematic



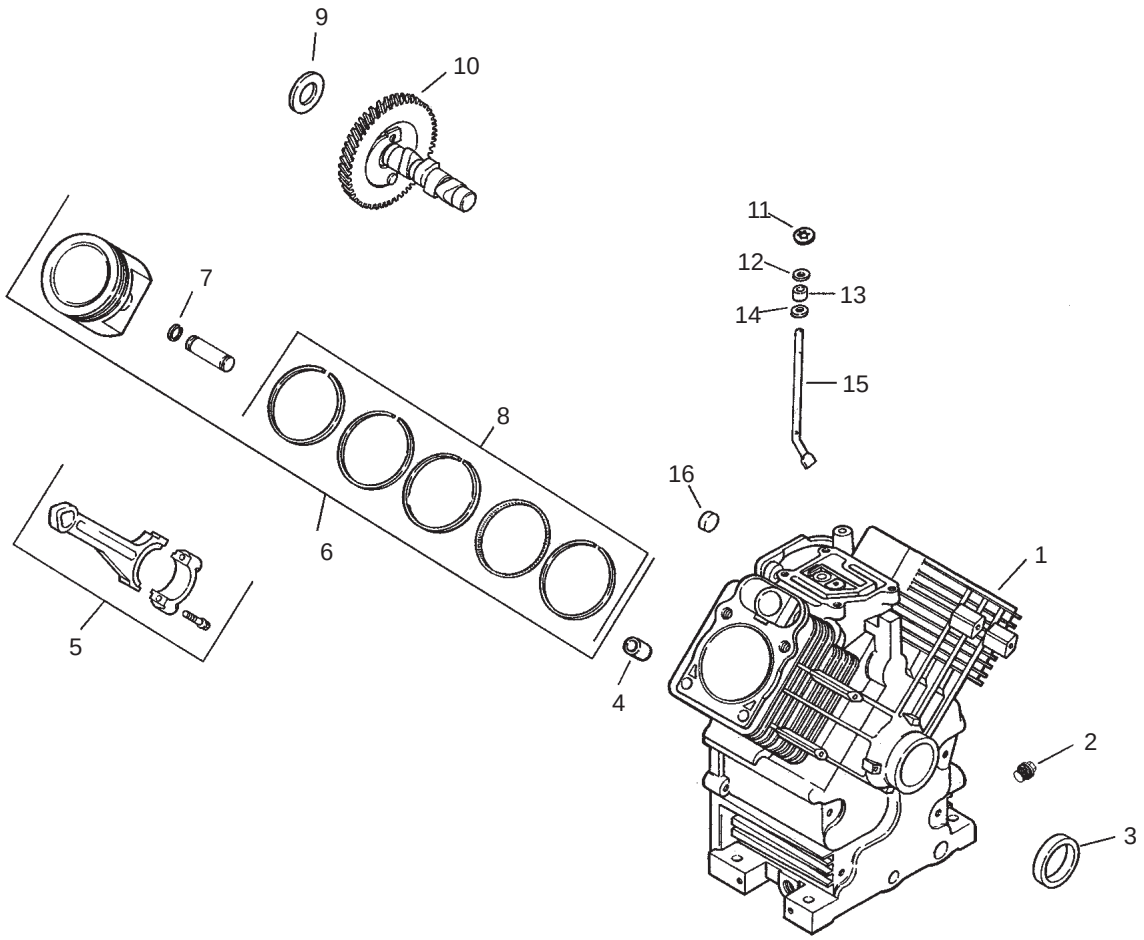


Crankshaft Assembly – Group 1
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	24 014 84–S	1	Crankshaft assembly (Includes 2)
2	52 139 09–S	1	Plug, cup

Ref. No.	Part No.	Qty.	Description

Obtain parts from Kohler

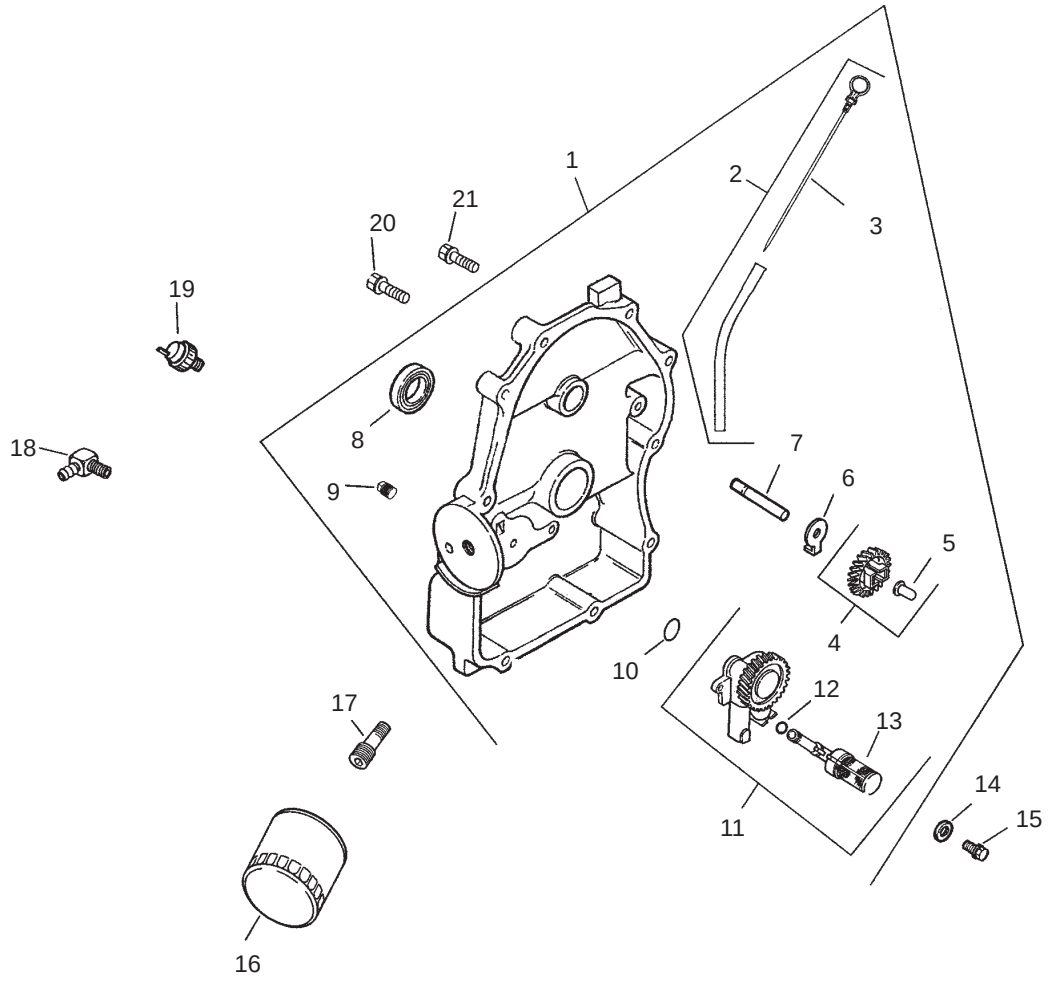


Crankcase Assembly – Group 2
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1		1	Crankcase (USE: Short Block or Miniblock)
2	25 139 57–S	2	Plug, solid sq. hd. 3/8" N.P.T.F.
3	24 032 01–S	1	Seal, oil front
4	24 380 13–S	6	Pin, locating
5	24 067 13–S	2	Connecting Rod (Std.)
	24 067 14–S	2	Connecting Rod (.25)
6	24 874 09–S	2	Piston w/Ring Set (Std.) (Includes 7, 8)
	24 874 10–S	2	Piston w/Ring Set (.25) (Includes 7, 8)
	24 874 11–S	2	Piston w/Ring Set (.50) (Includes 7, 8)
	24 874 15–S	2	Piston w/Ring Set (.080) (Includes 7, 8)
7	24 018 01–S	4	Retainer, piston pin
8	24 108 08–S	2	Ring Set (Std.)
	24 108 09–S	2	Ring Set (.25)
	24 108 10–S	2	Ring Set (.50)
9	12 422 09–S	A/R	Shim, camshaft
	12 422 13–S	A/R	Shim, camshaft
	12 422 07–S	A/R	Shim, camshaft
	12 422 08–S	A/R	Shim, camshaft

Ref. No.	Part No.	Qty.	Description
	12 422 10–S	1	Shim, camshaft
	12 422 11–S	A/R	Shim, camshaft
	12 422 12–S	A/R	Shim, camshaft
10	24 012 10–S	1	Camshaft
11	24 018 09–S	1	Ring, retainer
12	M–931010–S	1	Washer, nylon (top)
13	28 032 09–S	1	Seal, governor cross shaft
14	24 468 15–S	1	Washer, (bottom)
15	24 144 33–S	1	Shaft, governor cross
16	52 139 09–S	1	Plug, cup

Obtain parts from Kohler

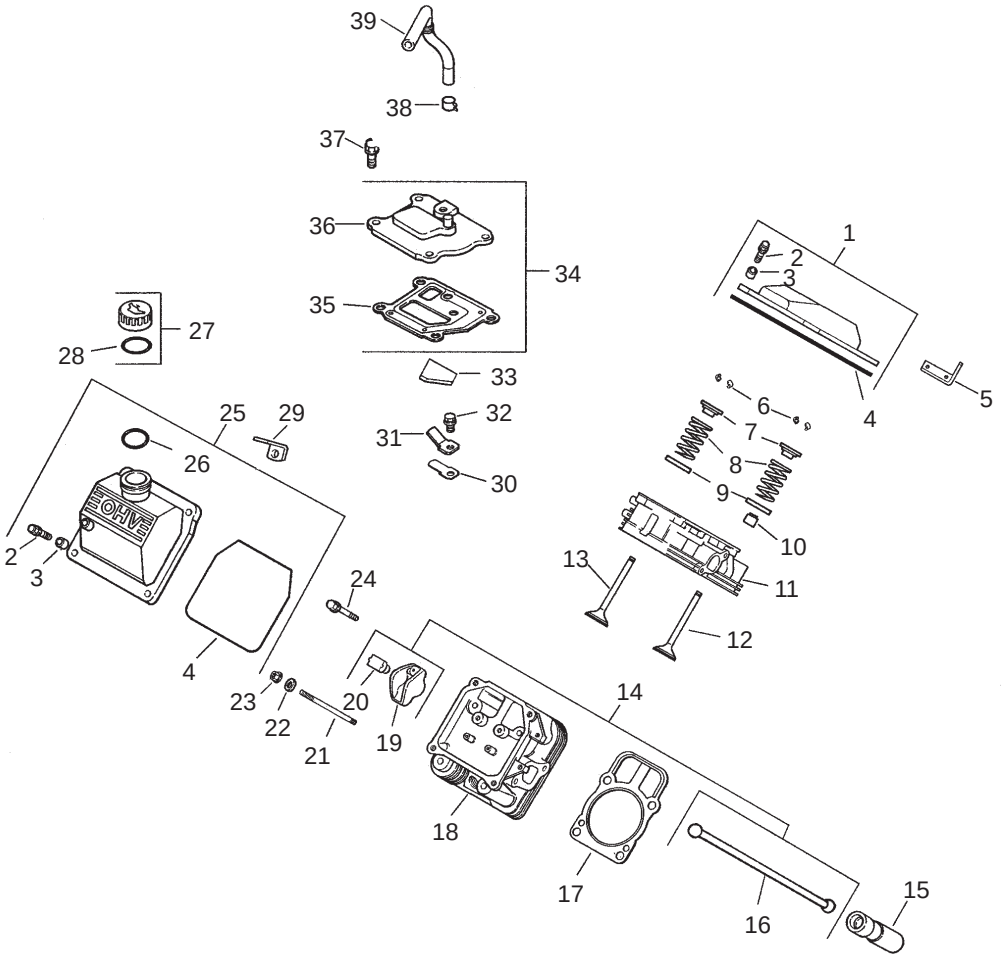


Oil Pan/Lubrication Assembly – Group 3
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	24 009 83–S	1	Kit, closure plate (Includes 2–13)
2	24 755 121–S	1	Kit, dipstick & tube (Includes 3)
3	24 038 10–S	1	Dipstick
4	24 043 12–S	1	Kit, governor gear w/pin (Includes 5)
5	12 380 01–S	1	Pin, governor regulating
6	52 448 02–S	1	Tab, locking
7	12 144 02–S	1	Shaft, governor gear
8	52 032 08–S	1	Seal, oil (PTO end)
9	25 139 60–S	2	Plug, allen hd. 1/8” pipe
10	24 153 08–S	1	O–Ring
11	24 393 10–S	1	Oil pump assembly (Includes 12, 13)
12	24 153 01–S	1	O–Ring, oil pick–up
13	24 381 04–S	1	Pick–up, oil
14	M–631005–S	2	Washer, plain 6 mm
15	M–645025–S	2	Screw, hex. flange M6x1.0x25
16	52 050 02–S	1	Filter, oil
17	24 136 01–S	1	Nipple, oil filter

Ref. No.	Part No.	Qty.	Description
18	25 155 02–S	1	Connector
19	24 099 03–S	1	Switch, oil pressure
20	24 086 16–S	9	Screw, hex. flange M8x1.25x45
21	24 086 17–S	1	Screw, hex. flange M8x1.25x45

Obtain parts from Kohler

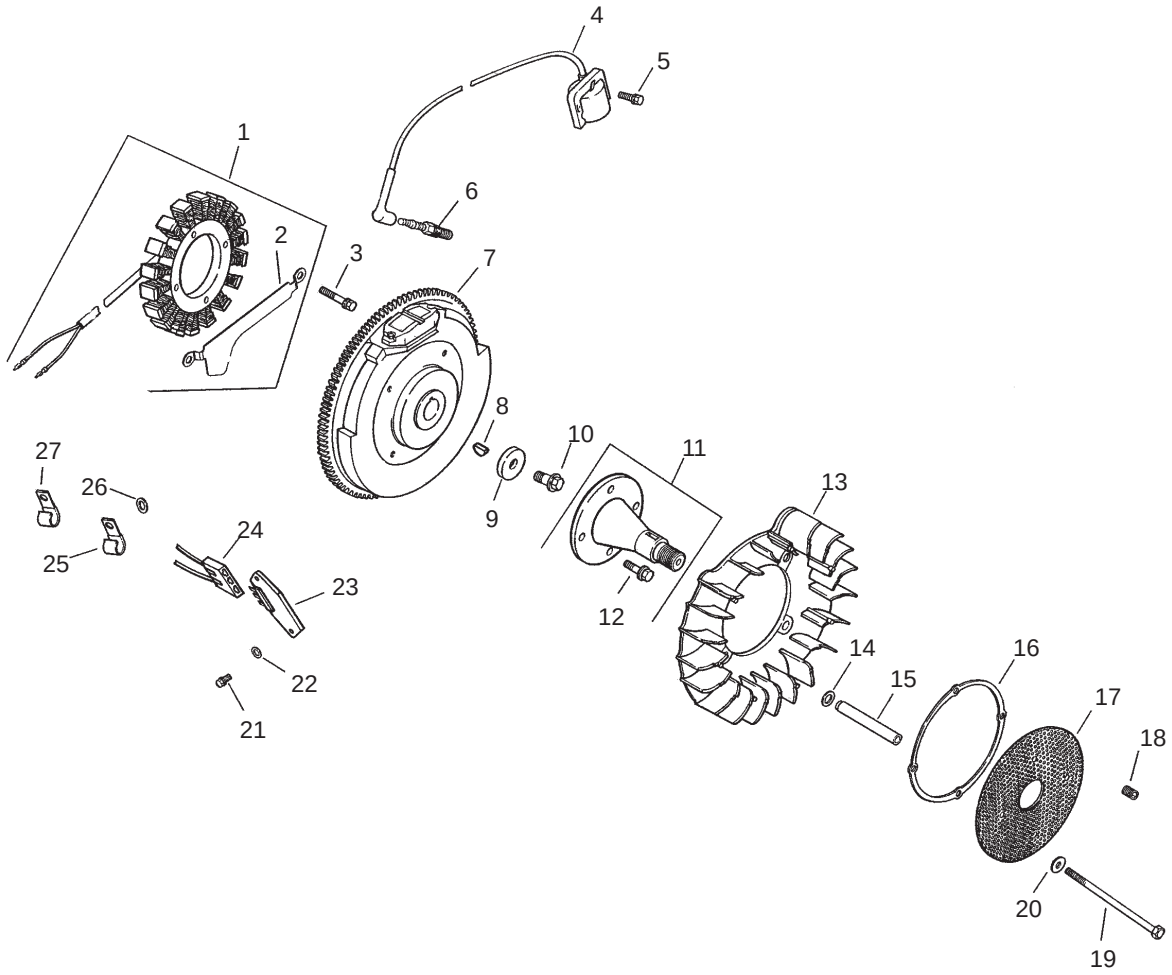


Head/Valve/Breather Assembly – Group 4
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	24 755 74–S	1	Kit, valve cover – plain (Includes 2–4)
2	M–651030–S	4	Screw, hex. flange M6x1.0x30
3	24 112 08–S	4	Spacer
4	24 153 16–S	1	O–Ring
5	24 445 01–S	1	Strap, lifting
6	12 755 03–S	4	Kit, retainer
7	12 173 01–S	4	Cap, valve spring
8	24 089 02–S	4	Spring, valve
9	235011–S	4	Retainer, spring
10	66 032 05–S	2	Seal, valve stem
11	24 318 68–S	1	Head asm, #1 cylinder
12	24 017 01–S	2	Valve, intake (Std.)
	24 017 02–S	2	Valve, intake (.25)
13	24 016 01–S	2	Valve, exhaust (Std.)
	24 016 02–S	2	Valve, exhaust (.25)
14	24 755 66–S	1	Kit, valve train (Includes 16, 19, 20)
15	25 351 01–S	4	Lifter, valve
16	24 411 05–S	4	Rod, push
17	24 041 40–S	2	Gasket, cylinder head
18	24 318 71–S	1	Head asm, #2 cylinder
19	25 186 01–S	4	Arm, rocker

Ref. No.	Part No.	Qty.	Description
20	24 599 01–S	4	Pivot, rocker arm
21	24 072 09–S	8	Stud M10x1.5x90
22	24 468 16–S	8	Washer, flat
23	24 100 10–S	8	Nut, hex. flg M8x1.25
24	M–640034–S	4	Screw, hex. M6x1.0x34
25	24 755 75–S	1	Kit, valve cover – oil fill (Includes 2–4, 26)
26	24 153 09–S	1	O–Ring
27	24 755 46–S	1	Kit, oil fill cap (Incl. 28)
28	12 153 03–S	1	O–Ring, oil fill cap
29	12 445 05–S	1	Strap, lifting
30	24 402 03–S	1	Reed, breather
31	12 018 01–S	1	Retainer, breather reed
32	M–545010–S	1	Screw, hex. flange M5x0.8x10
33	24 050 01–S	1	Filter, breather
34	24 033 01–S	1	Kit, breather (Includes 35, 36)
35	24 041 23–S	1	Gasket, breather
36	24 096 58–S	1	Cover, breather
37	M–645020–S	4	Screw, hex. flange M6x1.0x20
38	25 237 08–S	1	Clamp, breather
39	24 326 31–S	1	Hose, breather

Obtain parts from Kohler

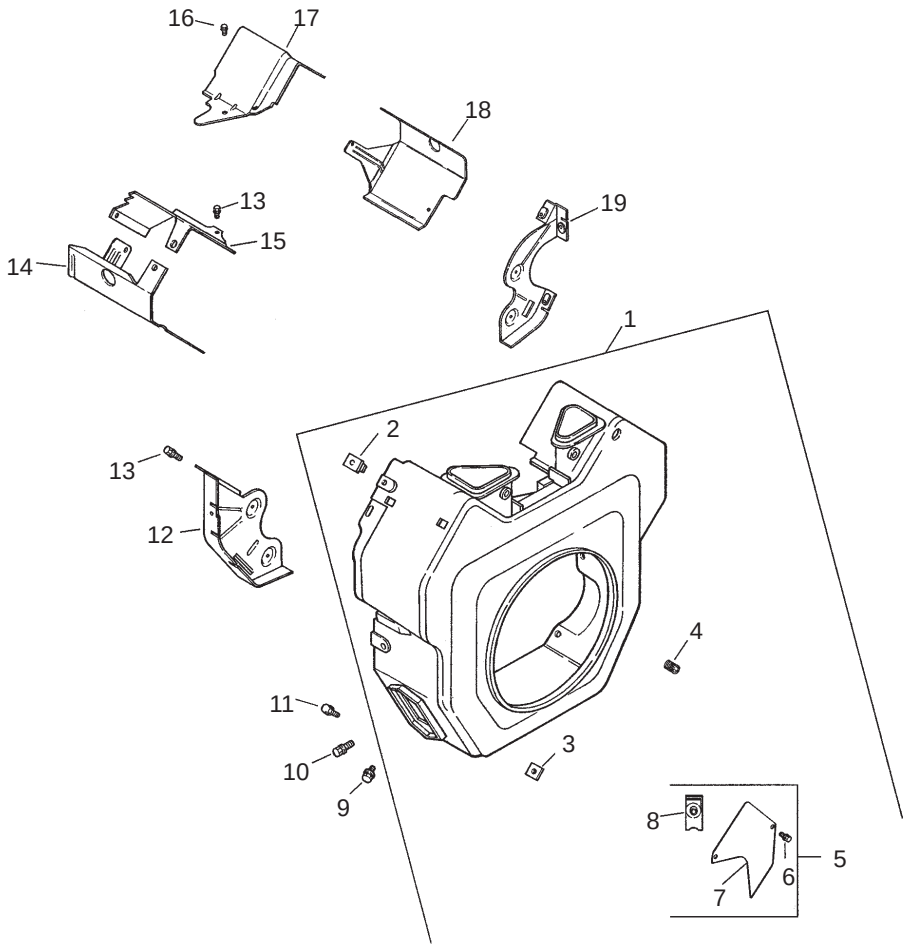


Ignition/Electrical Assembly – Group 5
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	54 755 09–S	1	Kit, 15 amp stator (Includes 2)
2	24 126 71–S	1	Bracket, stator wire
3	M–548025–S	2	Screw, hex. cap M5x0.8x25
4	24 584 01–S	2	Module, ignition
5	M–545020–S	4	Screw, hex. flange thread forming, M5x0.8x25
6	12 132 06–S	2	Spark Plug
7	24 025 01–S	1	Flywheel
8	X–42–15–S	1	Key
9	12 468 03–S	1	Washer, plain 3/8”
10	12 086 14–S	1	Screw, hex. flange M10x1.5x46
11	24 755 08–S	1	Kit, front drive shaft (Includes 12)
12	M–839025–S	4	Screw, hex. flange M8x1.25x25
13	24 157 03–S	1	Fan
14	24 468 11–S	4	Washer, spring
15	24 112 14–S	4	Spacer
16	24 141 06–S	1	Support, ring
17	24 162 22–S	1	Screen, grass

Ref. No.	Part No.	Qty.	Description
18	25 086 43–S	1	Screw, set
19	M–603100–S	4	Screw, hex. cap M6x1.0x100
20	X–25–53–S	4	Washer, plain 1/4”
21	24 086 18–S	2	Screw, phillips hd. 11–16x7/8
22	X–25–92–S	2	Washer, plain 3/16”
23	25 403 03–S	1	Rectifier–regulator 15 amp
24	236602–S	1	Connector
25	235173–S	1	Clip, cable (clamps wires to intake manifold)
26	X–25–63–S	1	Washer, plain 1/4”
27	48 154 02–S	1	Clip, cable (B+ lead)
			NOT ILLUSTRATED
	X–22–11–S	1	Washer, lock 1/4”
	24 176 07–S	1	Harness, wiring
	24 518 12–S	1	Lead, black (5” –12” gauge – insulated grip barrel eyelet terminals)
	25 454 03–S	2	Tie

Obtain parts from Kohler

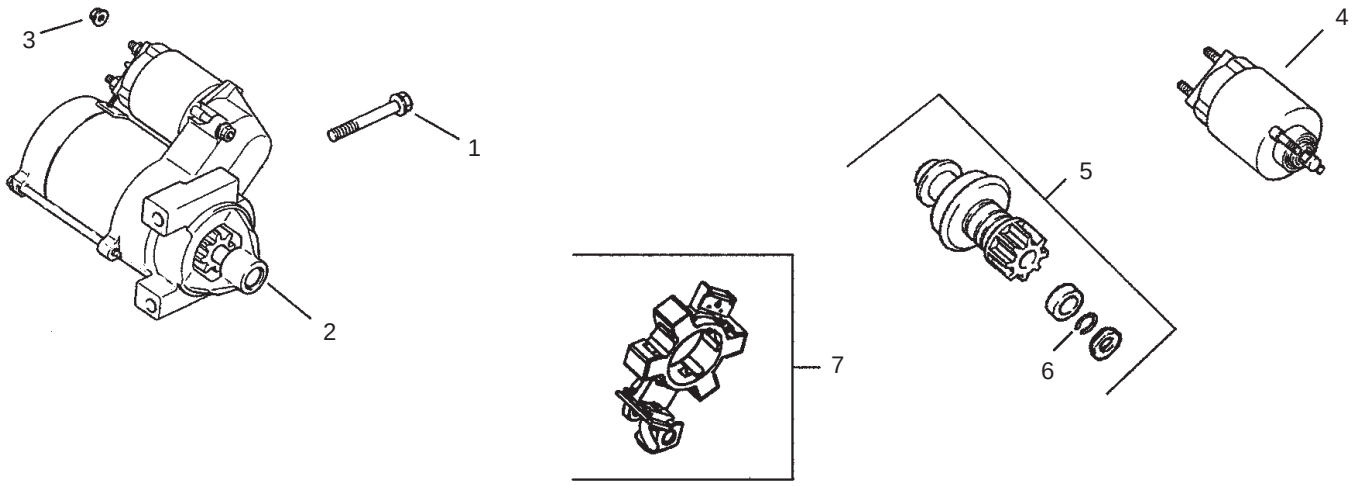


Blower Housing and Baffle Assembly – Group 6
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	54 027 98–S	1	Housing, blower asm (Includes 2–8)
2	24 100 01–S	3	Nut, plastic
3	24 100 02–S	2	Nut, plastic
4	25 086 43–S	1	Screw, set
5	25 755 21–S	1	Kit, access panel (Includes 6–8)
6	M–645016–S	4	Screw, hex. flange M6x1.0x16
7	24 096 64–S	2	Cover, access
8	25 154 02–S	4	Clip
9	M–551016–S	1	Screw, hex. flange M5x0.8x16
10	M–545016–S	3	Screw, hex flange M5x0.8x16
11	M–545020–S	4	Screw, hex flange M5x0.8x20
12	24 146 16–S	1	Plate, backing #2 side
13	M–645016–S	10	Screw, hex. flange M6x1.0x16
14	24 063 20–S	1	Baffle, cylinder barrel #2 side
15	24 063 17–S	1	Baffle, valley #2 side

Ref. No.	Part No.	Qty.	Description
16	M–545010–S	2	Screw, hex. flange M5x0.8x10
17	24 063 24–S	1	Baffle, valley #1 side
18	24 063 58–S	1	Baffle, cylinder barrel #1 side
19	24 146 20–S	1	Plate, backing #1 side
			NOT ILLUSTRATED
	24 146 33–S	1	Plate, HP

Obtain parts from Kohler

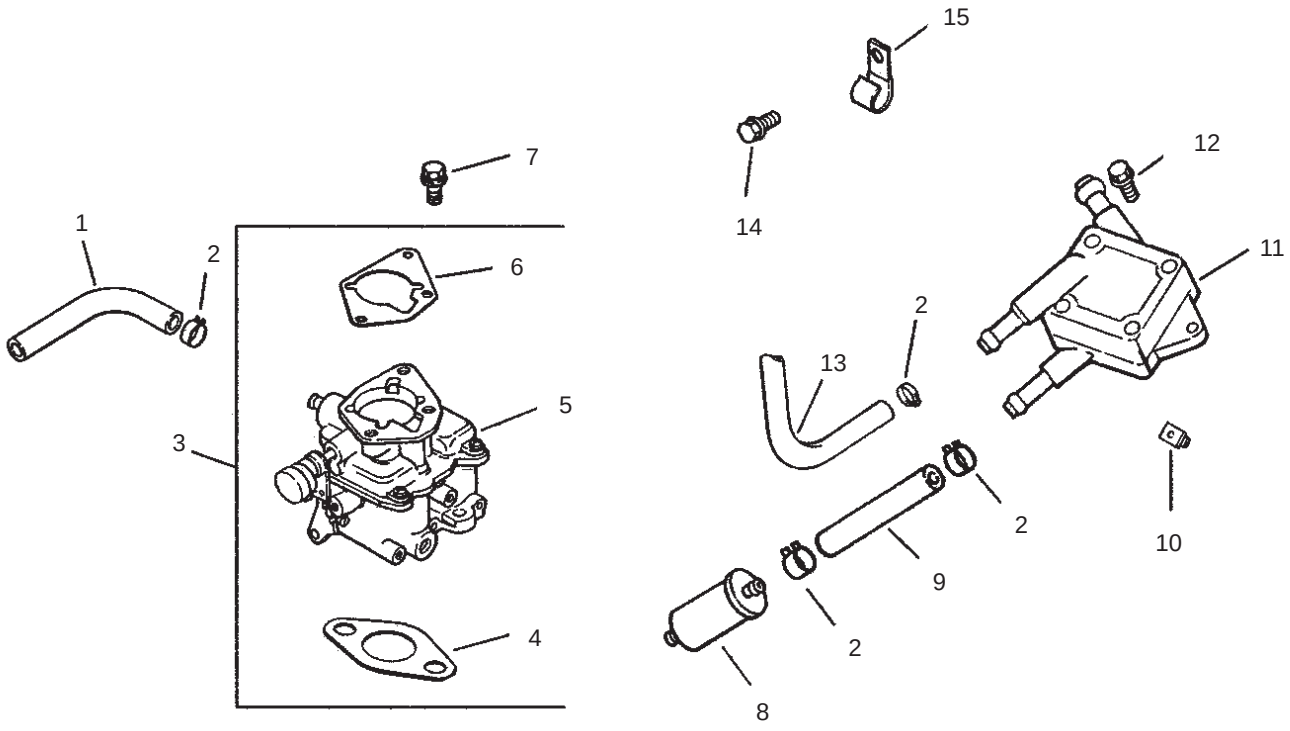


Starting System Assembly – Group 7
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	M–839080–S	2	Screw, hex. flange M8x1.25x80
2	25 098 08–S	1	Starter, solenoid shift asm (Includes 4–7)
3	M–841080–S	1	Nut, hex. flange M8x1.25
4	25 435 04–S	1	Kit, solenoid
5	25 755 33–S	1	Kit, pinion drive (Includes 6)
6	25 141 05–S	1	Ring
7	25 221 01–S	1	Kit, brush

Ref. No.	Part No.	Qty.	Description

Obtain parts from Kohler

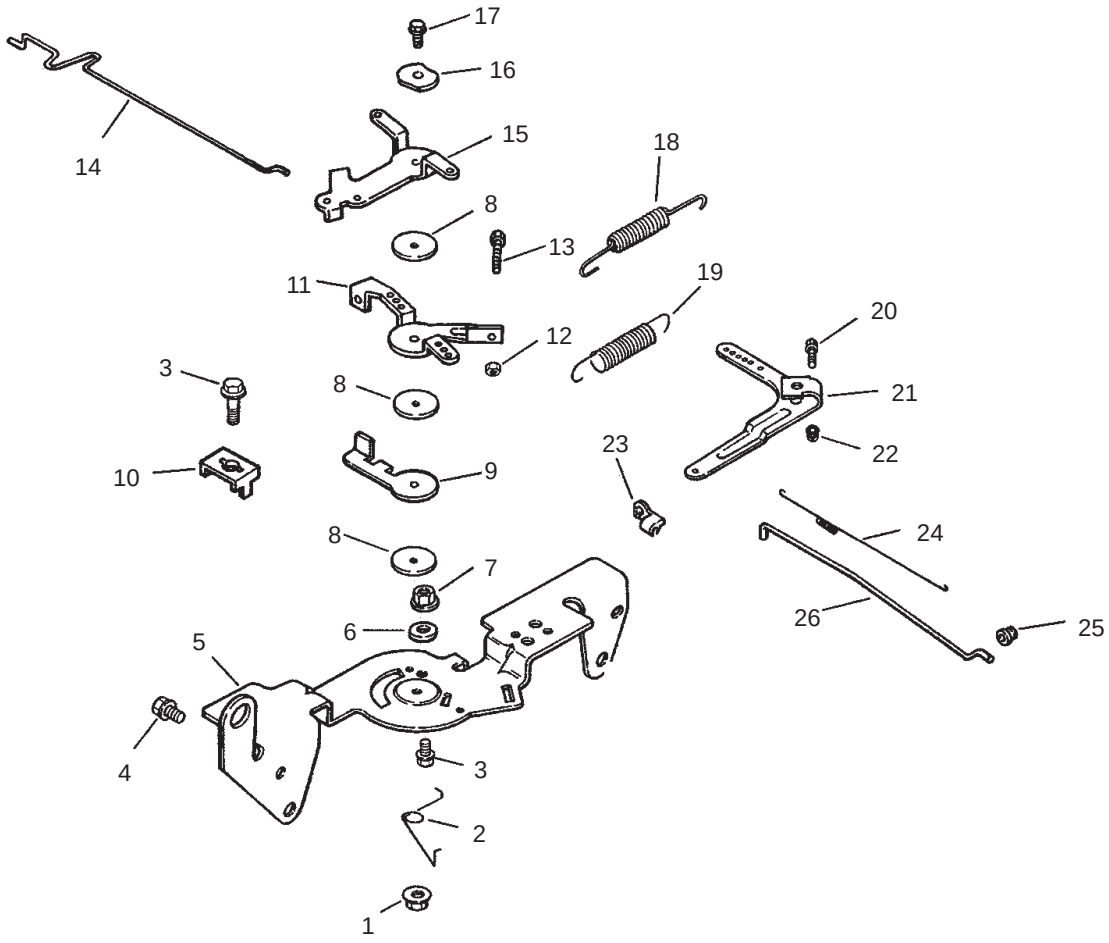


Fuel System Assembly – Group 8
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	25 353 32–S	1	Line, fuel 9–1/4”
2	25 237 14–S	6	Clamp, hose
3	24 853 58–S	1	Kit, carburetor w/gasket (Includes 4–6)
4	24 041 17–S	1	Gasket, carburetor
5	24 053 58	1	Carburetor asm (For information only not available separately) (Service with: 24 757 01–S, 24 757 02–S, 24 757 03–S, 24 757 07–S, 24 757 08–S 24 757 09–S)
6	24 041 06–S	1	Gasket, air cleaner
7	M–651030–S	2	Screw, hex. flange M6x1.0x30
8	24 050 02–S	1	Filter, fuel
9	25 353 15–S	1	Line, fuel 3–1/2”
10	24 100 01–S	2	Nut, plastic
11	24 393 16–S	1	Pump, fuel – pulse
12	24 086 12–S	2	Screw, hex. cap 18 mm
13	24 353 02–S	1	Line, fuel 15–1/2”

Ref. No.	Part No.	Qty.	Description
14	M–650012–S	1	Screw, hex. flange M6x1.0x10
15	47 154 01–S	1	Clip, cable
			NOT ILLUSTRATED
	24 757 01–S	1	Kit, solenoid
	24 757 02–S	1	Kit, float
	24 757 03–S	1	Kit, carburetor repair
	24 757 07–S	1	Kit, choke repair
	24 757 08–S	1	Kit, repair – accelerator pump seal & bushing
	24 757 09–S	1	Kit, repair – accelerator pump diaphragm

Obtain parts from Kohler

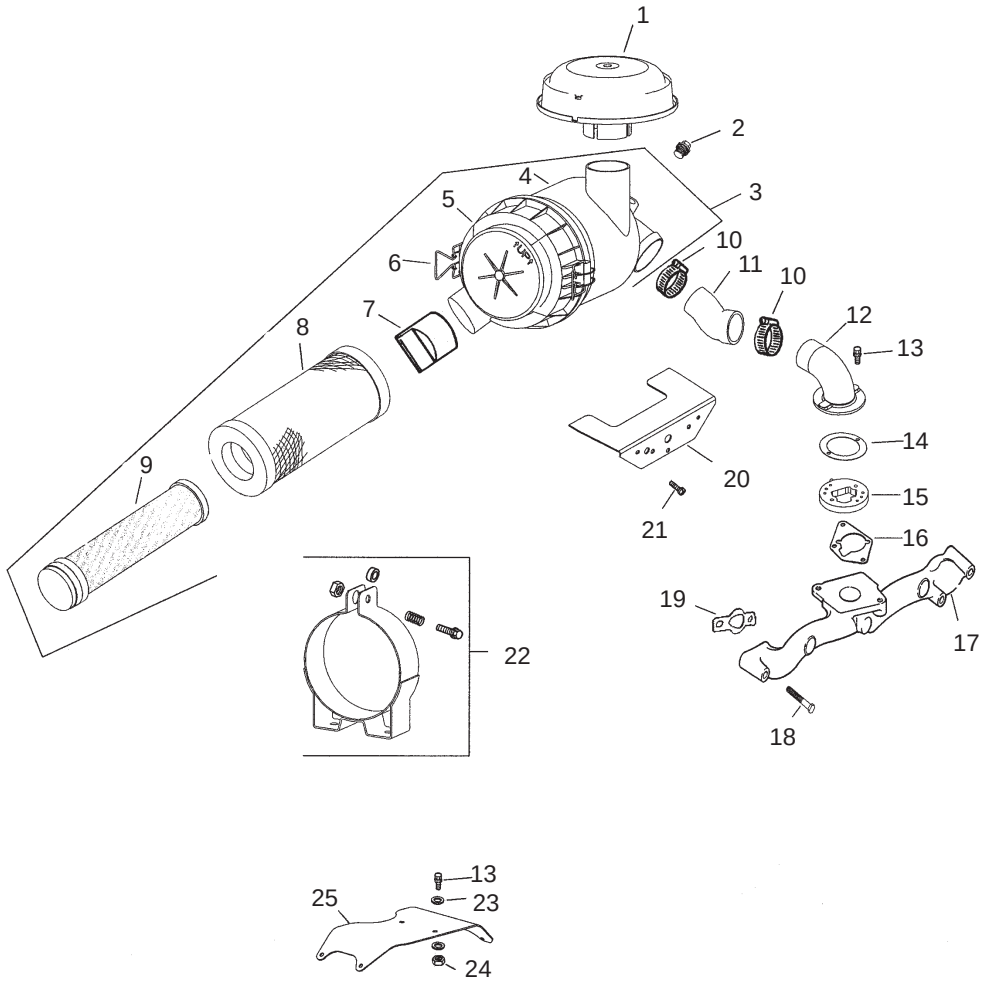


Engine Control Assembly – Group 9
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	M–547050–S	1	Nut, hex. lock M5x0.8
2	24 089 03–S	1	Spring, choke return
3	M–545016–S	3	Screw hex. flange M5x0.8x16
4	M–645016–S	4	Screw, hex. flange M6x1.0x16
5	24 126 56–S	1	Bracket, control
6	X–20–1–S	1	Washer, lock 1/4”
7	M–541050–S	1	Nut, hex. flange M5x0.8
8	24 468 01–S	3	Washer, plain 1/4”
9	24 090 07–S	1	Lever, throttle actuator
10	12 237 01–S	2	Clamp, cable
11	24 090 03–S	1	Lever, throttle control
12	M–446030–S	1	Nut, hex. flange M4x0.7
13	M–401030–S	1	Screw, hex. flange M4x0.7x30
14	24 079 02–S	1	Linkage, choke
15	24 090 05–S	1	Lever, choke
16	41 468 03–S	1	Washer, spring 1/4”
17	M–545020–S	1	Screw, hex. flange M5x0.8x20
18	24 089 51–S	1	Spring, throttle limiter

Ref. No.	Part No.	Qty.	Description
19	24 089 44–S	1	Spring, governor
20	24 211 03–S	1	Bolt, rd. hd. sq. neck M6x1.0x25
21	24 090 33–S	1	Lever, governor
22	M–641060–S	1	Nut, hex. flange M6x1.0
23	25 158 11–S	1	Bushing, linkage retaining
24	24 089 01–S	1	Spring, linkage
25	25 158 08–S	1	Bushing, throttle linkage
26	24 079 01–S	1	Linkage, throttle

Obtain parts from Kohler

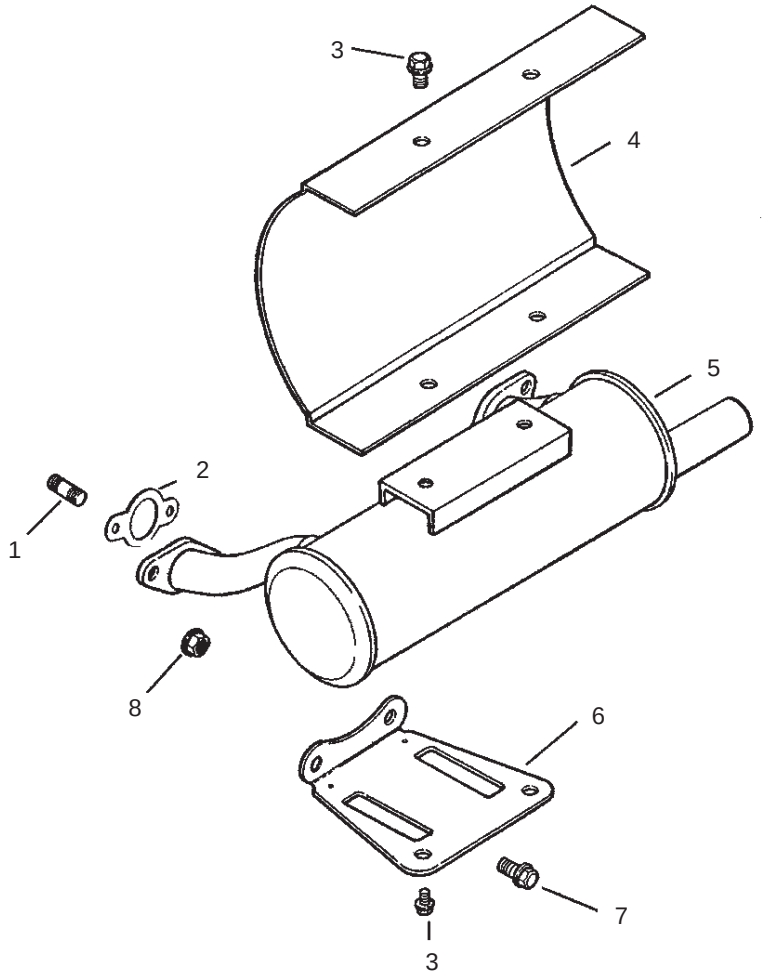


Air Intake/Filtration Assembly – Group 10
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	25 324 02–S	1	Hood, air cleaner
2	25 139 20–S	1	Plug, pipe
3	25 048 07–S	1	Cleaner, heavy duty air (Includes 4–9)
4	25 081 01–S	1	Housing, heavy duty air cleaner
5	25 096 06–S	1	Cover, heavy duty air cleaner
6	25 154 05–S	2	Clip
7	24 462 07–S	1	Valve, dust ejector
8	25 083 01–S	1	Element – primary
9	25 083 04–S	1	Element – safety filter
10	25 237 07–S	2	Clamp, hose
11	24 326 32–S	1	Hose, air cleaner
12	24 029 21–S	1	Adapter, remote air cleaner
13	M–639016–S	6	Screw, hex. flange M6x1.0x16
14	24 041 34–S	1	Gasket, adapter
15	24 029 31–S	1	Adapter
16	24 041 06–S	1	Gasket, air cleaner base
17	24 164 14–S	1	Manifold, intake

Ref. No.	Part No.	Qty.	Description
18	25 086 84–S	4	Screw, hex. flange M6x1.0x55
19	24 041 01–S	2	Gasket, intake manifold
20	24 314 25–S	1	Shield, debris
21	24 086 06–S	2	Screw, phillips hd. 11–16x3/4”
22	25 126 02–S	1	Bracket, air cleaner
23	X–25–73–S	4	Washer, plain 1/4”
24	M–647060–S	2	Nut, hex. lock M6x0.8
25	24 126 98–S	1	Bracket, air cleaner
			NOT ILLUSTRATED
	25 113 27–S	1	Decal, air cleaner

Obtain parts from Kohler



Exhaust Assembly – Group 11
Kohler CH23S–76550

Ref. No.	Part No.	Qty.	Description
1	25 072 04–S	4	Stud, M8x1.25x33
2	24 041 02–S	2	Gasket, exhaust
3	M–650012–S	4	Screw, hex. flange M6x1.0x12
4	24 314 04–S	1	Shield, heat
5	24 068 18–S	1	Muffler
6	24 126 12–S	1	Bracket, muffler
7	M–839020–S	2	Screw, hex. flange M8x1.25x20
8	M–841080–S	4	Nut, hex. flange M8x1.25
			NOT ILLUSTRATED
	24 755 113–S	1	Gasket Set

Ref. No.	Part No.	Qty.	Description

Obtain parts from Kohler


TORO®