



Z257

Z Master[®] with 72in SFS Side Discharge Mower

Model No. 74232—230006001 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.

Contents

Description	Page
Front Frame Assembly	4
Caster and Wheel Assembly	5
Rear Frame and Wheel Assembly	6
Brake and Wheel Hub Assembly	7
Steering Control Assembly	8
Hydraulic System Assembly	9
Seat Assembly	11
Seat Assembly No. 1–633705	12
Frame and Deck Assembly	13
Idler Assembly	14
Stand Assembly	15
Clutch Assembly	16
Shield Assembly	17
Fuel System Assembly	18
Electrical System Assembly	19
Deck and Wheel Gage Assembly	20
Deck Assembly No. 105–1698	21
Spindle and Pulley Assembly	22
Belt and Idler Arm Assembly	23
Electrical Schematic	24
Group 1 – Crankshaft Assembly	
Kohler CH740–0007	25

Description	Page
Group 2 – Crankcase Assembly	
Kohler CH740–0007	26
Group 3 – Oil Pan/Lubrication Assembly	
Kohler CH740–0007	27
Group 4 – Head/Valve/Breather Assembly	
Kohler CH740–0007	28
Group 5 – Ignition/Electrical Assembly	
Kohler CH740–0007	30
Group 6 – Blower Housing Assembly	
Kohler CH740–0007	31
Group 7 – Starter Assembly	
Kohler CH740–0007	32
Group 8 – Fuel System Assembly	
Kohler CH740–0007	33
Group 9 – Engine Control Assembly	
Kohler CH740–0007	34
Group 10 – Air Intake/Filtration Assembly	
Kohler CH740–0007	35
Group 11 – Exhaust Assembly	
Kohler CH740–0007	36

Accessories

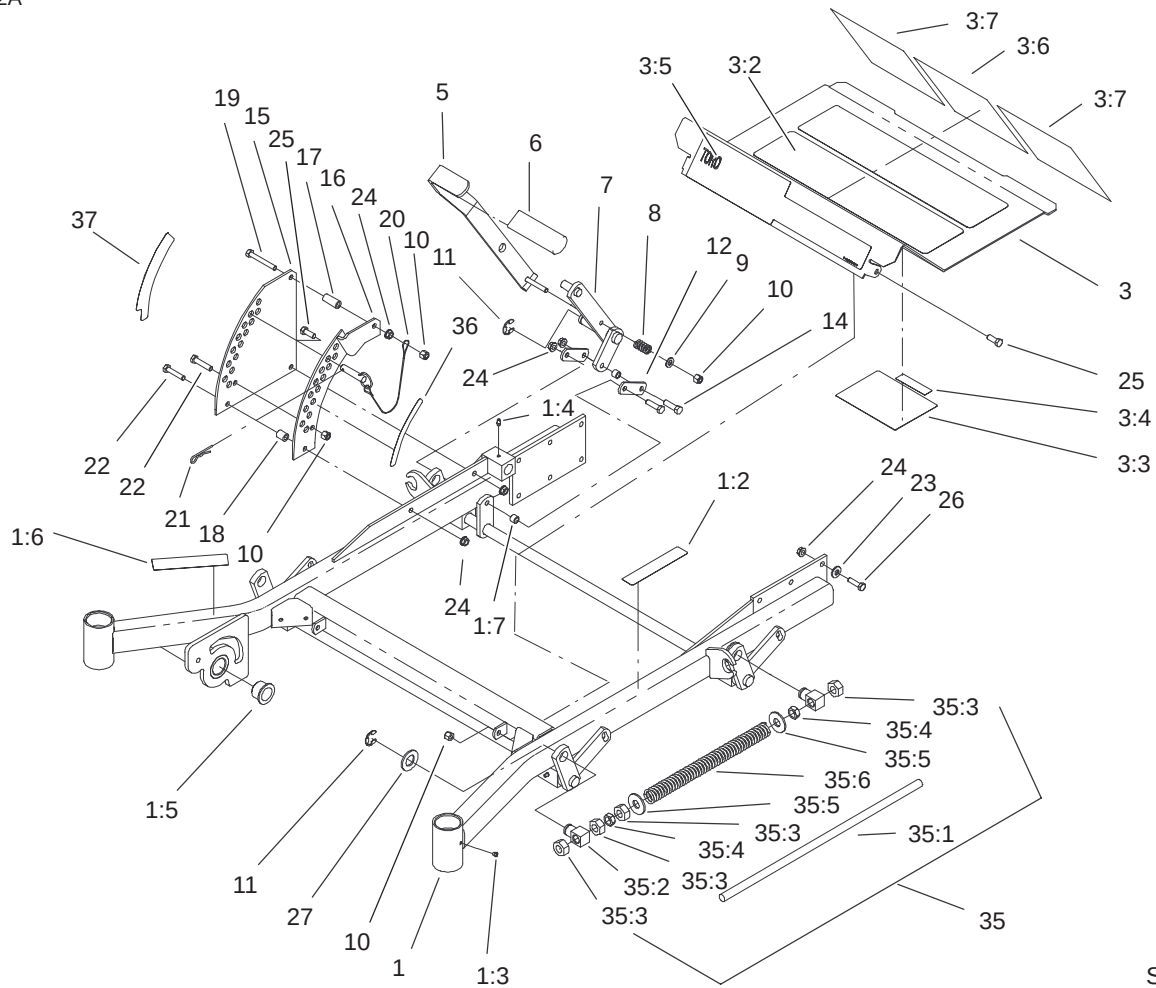
Description	Model / Part No.
Suspension Seat Kit	99–8522
Striping Kit	30163
Hitch Kit	99–8925
Atomic Blade Assembly	104–1304

Description	Model / Part No.
Z Recycler Kit	100–9678
Spark Arrester Kit	105–1672
Filter Minder	99–4664
ROPS	TORO Dealer

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	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head



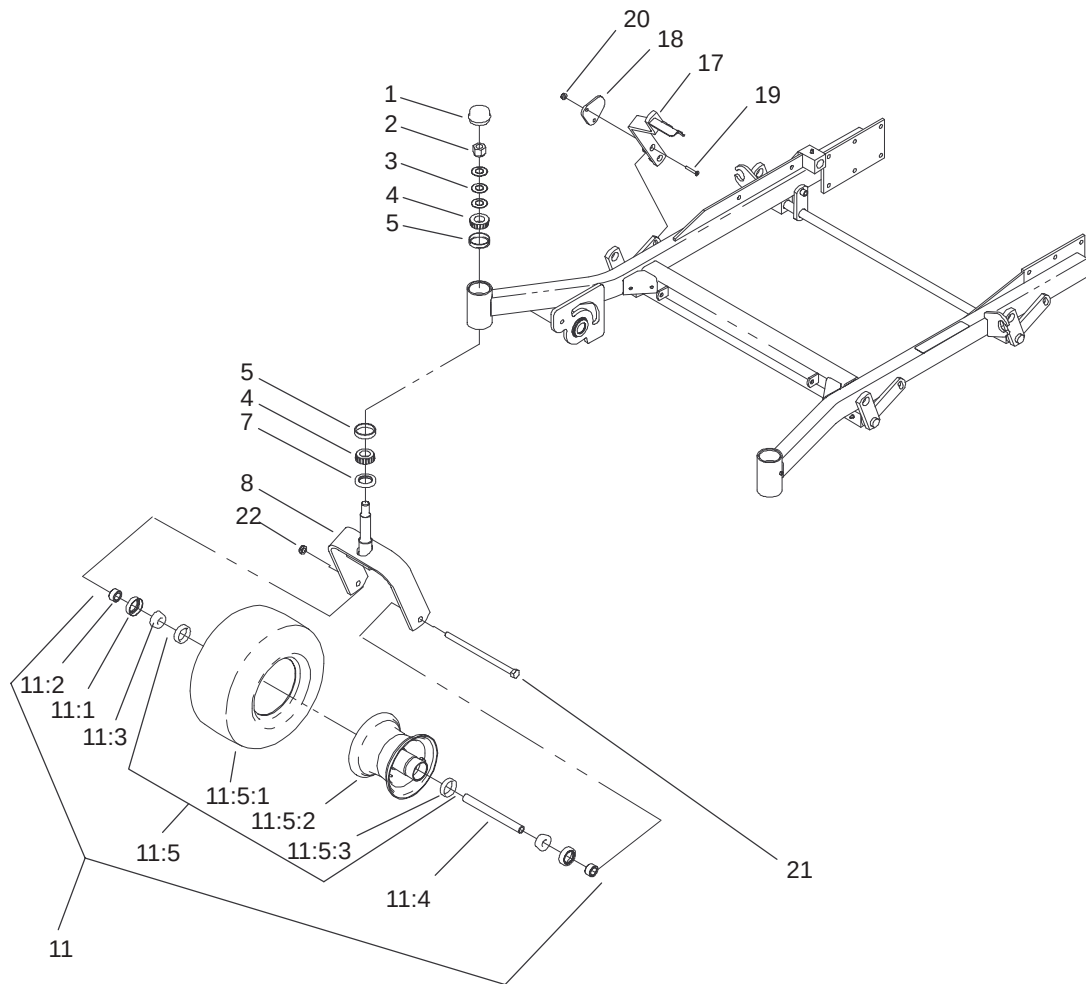
Sheet No.:2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	104-5133	1	Frame ASM
1:2	1-633818	1	Decal-Warning
1:3	1-811010	2	Plug
1:4	302-19	5	Fitting-Grease
1:5	94-1291	2	Bushing-Special
1:6	104-7759	1	Decal-Warning
1:7	103-1918	1	Bushing
3	106-6587	1	Floorpan ASM
3:2	1-633553	2	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
3:6	106-6571	1	Decal - Danger, Slope
3:7	106-6572	2	Pad, Anti Skid
5	103-2083-03	1	Lever-Lift
6	1-633295	1	Grip-Lever, Lift
7	103-2064-03	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
14	323-29	2	Screw-HH
15	1-633889-01	1	Plate-Lift, Deck
16	1-632899-01	1	Plate-Lift, Deck
17	1-633082	1	Bushing-Lever, Lift

Ref. No.	Part No.	Qty.	Description
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
22	323-9	2	Screw-HH
23	98-5975	12	Washer-Belleville
24	3290-357	17	Nut-HHF
25	323-6	3	Screw-HH
26	323-7	12	Screw-HH
27	3256-29	4	Washer-Flat
☆35		2	Front Frame Spring ASM
35:1	1-633096	1	Rod-Lift, Deck
35:2	1-633441	2	Swivel-Deck Mount, Rear
35:3	3217-11	4	Nut-Hex
35:4	3218-6	2	Nut-Jam
35:5	3256-7	2	Washer-Flat
35:6	1-633064	1	Spring-Support, Deck
36	1-633706	1	Decal-Height, Deck
37	1-633345	1	Decal-Height, Deck

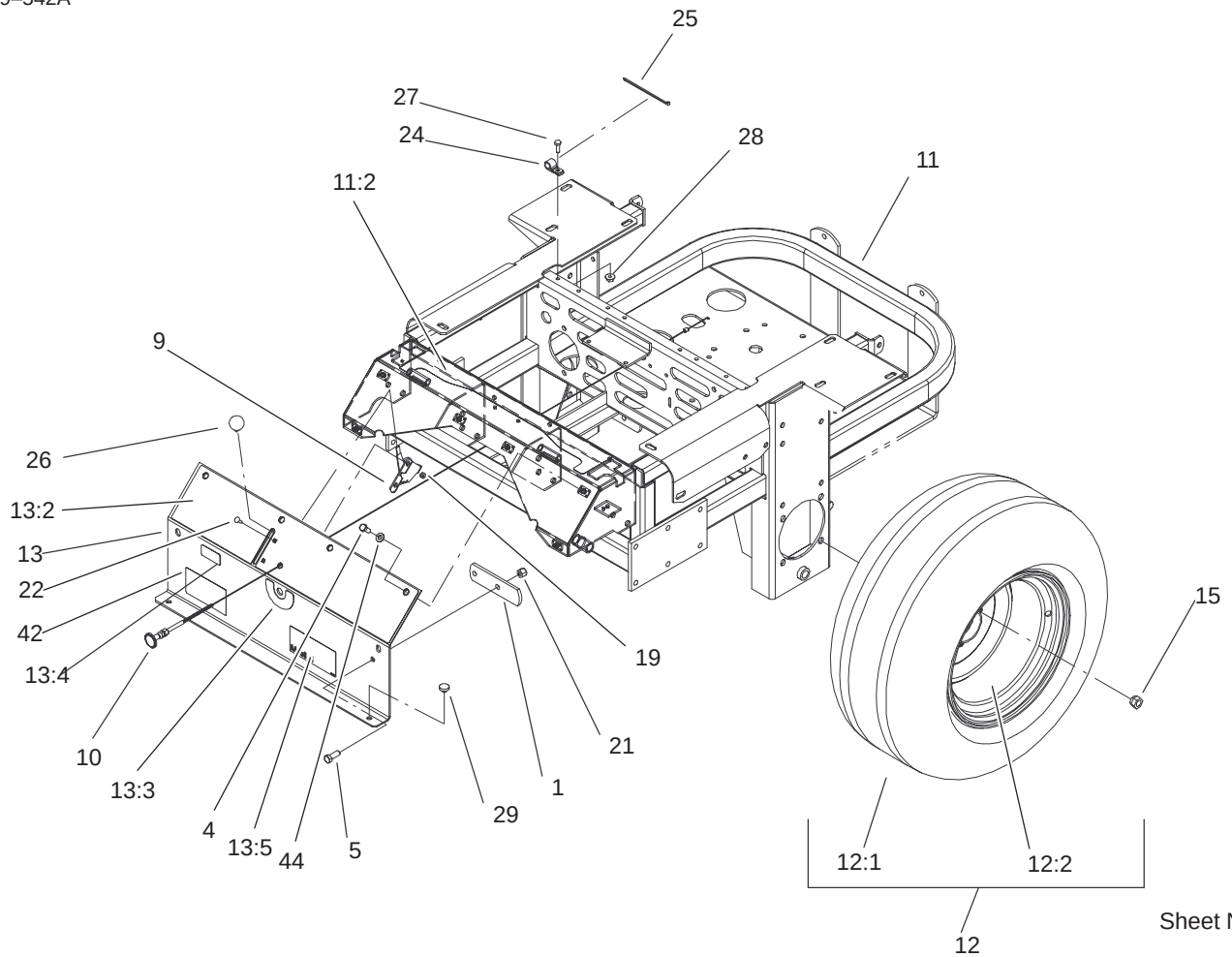
☆ Not serviced separately



Sheet No.:3

Caster and Wheel Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-543513	2	Cap-Grease				
2	3296-51	2	Nut-Lock, NI				
3	1-633508	6	Washer-Bellville				
4	254-94	4	Bearing-Cone, Taper				
5	254-72	4	Bearing-Cup, Tapered				
7	1-543511	2	Seal-Grease				
8	103-1474-01	2	Fork-Caster				
11	1-644251	2	Caster Wheel ASM				
11:1	1-633580	2	Seal-Bearing				
11:2	1-633581	2	Spacer-Bearing				
11:3	1-633585	2	Bearing-Cone, Taper				
11:4	1-633959	1	Spacer-Caster, Front				
11:5		1	Wheel And Tire ASM				
11:5:1	1-523009	1	Tire				
11:5:2	1-633987	1	Wheel				
11:5:3	1-633584	2	Bearing-Cup				
17	100-4333-01	1	Lever-Lift, Deck				
18	1-643220-01	1	Strap				
19	3289-7	2	Screw				
20	32128-20	2	Nut-HF				
21	325-39	2	Screw-HH				
22	3296-45	2	Nut-Lock, NI				

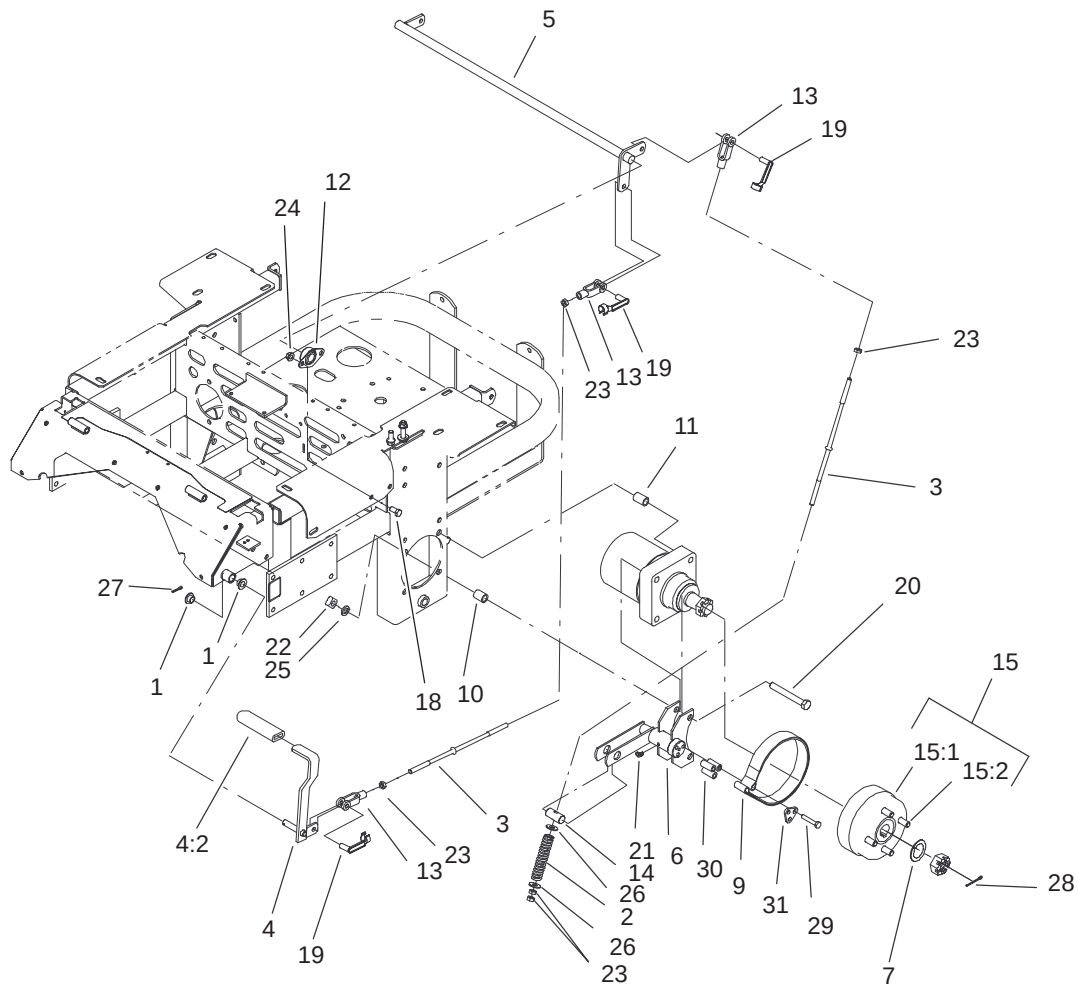


Sheet No.:4

Rear Frame and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	1-633964-03	1	Stop-Brake, Park
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	105-3648	1	Main Frame ASM
11:2	103-2433	1	Decal-Console, Top
12	1-633970	2	Wheel And Tire ASM
12:1	1-633993	1	Tire
12:2	1-633992	1	Wheel
13	106-6584	1	Console ASM
13:2	106-6570	1	Decal-Control Panel
13:3	103-0262	1	Decal-Valve, Fuel
13:4	98-4387	1	Decal-Protection, Ear
13:5	104-8172	1	Decal-Mobil 1
15	242-50	8	Nut-Lug
19	3296-2	2	Nut-Lock
21	3296-39	2	Nut-Lock, NI
22	1-807513	2	Bolt-CARR
24	1-513762	1	Clip-Loom
25	1-303335	1	Tie-Plastic
26	1-513592	1	Knob-Ball
27	321-4	1	Screw-HH
28	32128-33	1	Nut-HF
29	1-513658	2	Bumper-Catcher, Grass

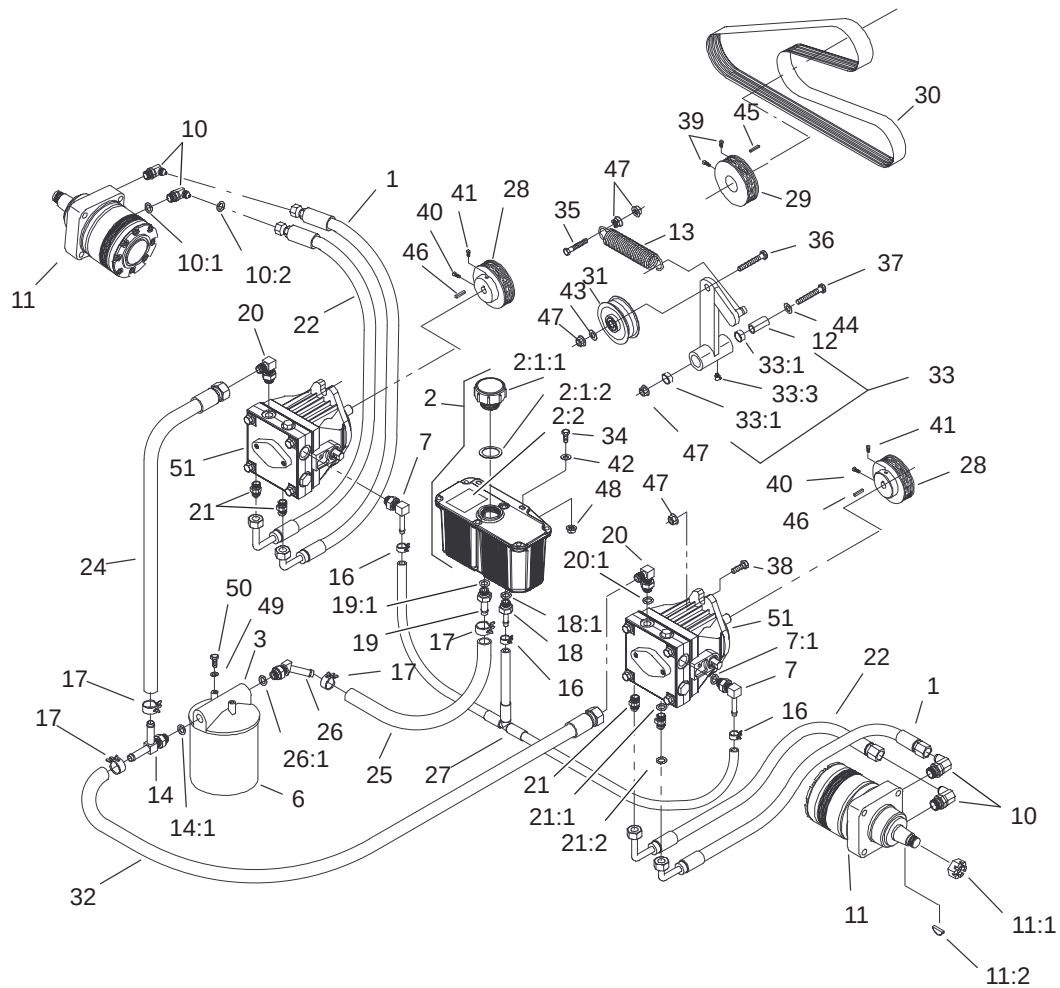
Ref. No.	Part No.	Qty.	Description
42	106-6561	1	Decal-Z257
44	3256-23	6	Washer-Flat



Sheet No.:5

Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-513140	2	Bearing-Control	27	3272-10	1	Pin-Cotter
2	1-633454	2	Spring-Brake	28	1-806800	2	Pin-Cotter
3	1-633477	3	Rod-Brake	29	322-9	6	Screw-HH
4	1-634500	1	Brake Lever ASM	30	103-0384	6	Spacer
4:2	1-633268	1	Grip-Lever, Brake	31	103-0374	2	Retainer-Band, Brake
5	1-632217-03	1	Shaft-Brake				
6	103-0354-03	2	Bracket-Brake				
7	1-523157	2	Washer-Spacer				
9	103-0355	2	Band-Brake				
10	1-633060	4	Spacer-Wheel, Short				
11	1-633062	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				
15:1	103-0589	1	Hub-Wheel				
15:2	1-633926	4	Stud-Wheel				
18	323-4	4	Screw-HH				
19	103-2399	4	Pin-Spring, Clevis				
20	325-20	8	Screw-HH				
21	302-19	2	Fitting-Grease				
22	103-0131	8	Nut-Square				
23	3219-3	8	Nut-HH				
24	3290-357	4	Nut-HHF				
25	3253-7	8	Washer-Lock				
26	3256-4	4	Washer-Flat				



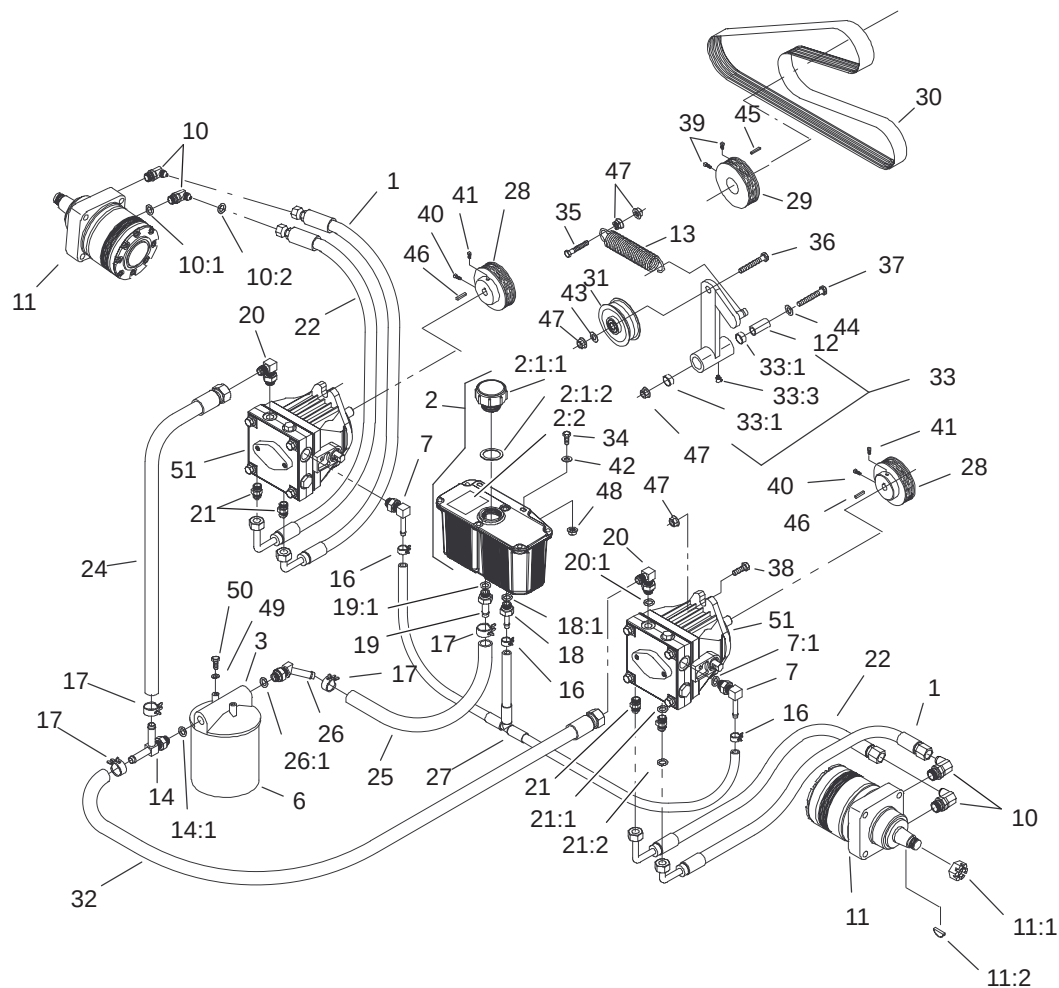
Sheet No.:7

Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	103-3734	2	HYD Hose ASM	18	103-1801	1	Adapter-Straight
2	103-1947	1	HYD Reservoir ASM	18:1	237-42	1	O-Ring
★2:1		1	Reservoir-HYD	19	103-1912	1	Adapter-Straight
2:1:1	103-1948	1	Cap-Reservoir, HYD	19:1	237-42	1	O-Ring
2:1:2	103-1949	1	Gasket-Cap	20	103-1802	2	Fitting-HYD, 90°
2:2	1-523552	1	Decal-Tank, HYD	20:1	237-42	1	O-Ring
3	104-7836	1	Head-Filter	21	1-603990	4	Fitting-Straight
6	1-633752	1	Filter-HYD, Winter	21:1	237-79	1	O-Ring
6	1-633750	1	Filter-HYD	21:2	1-603992	1	O-Ring
7	103-1799	2	Elbow-90°	22	103-1863	2	Hose-Lower
7:1	237-42	1	O-Ring	24	103-1826	1	HYD Hose ASM
10	1-633786	4	Fitting-90°	25	103-1808	1	Hose-HYD
10:1	237-80	1	O-Ring	26	103-1807	1	Elbow-45°
10:2	1-603992	1	O-Ring	26:1	237-42	1	O-Ring
11	1-523328	2	Motor-Wheel	27	103-1806	1	HYD Hose ASM
11:1	1-809036	1	Nut-HH	28	1-633568	2	Sheave
11:2	3257-42	1	Key-Woodruff	29	1-633567	1	Sheave
*11:99	1-000099	1	Seal Kit	30	1-633749	1	Belt-Drive, Pump
*11:99	1-000139	1	Bearing Kit	31	1-633167	1	Sheave-Idler
*11:99	103-2748	1	Drive Link Kit	32	103-1827	1	HYD Hose ASM
12	1-603384	1	Bushing-Pivot, Idler	33	1-634277	1	Bearing Arm ASM
13	103-3330	1	Spring-Extension	33:1	1-513034	2	Sleeve-Bearing
14	103-1828	1	Adapter-Run, Tee	33:3	302-40	1	Fitting-Grease
14:1	237-42	1	O-Ring	34	321-6	2	Screw-HH
16	103-1716	3	Clamp-Hose	35	323-8	1	Screw-HH
17	103-1988	4	Clamp-Hose	36	323-9	1	Screw-HH

★ Not serviced separately

* Not illustrated



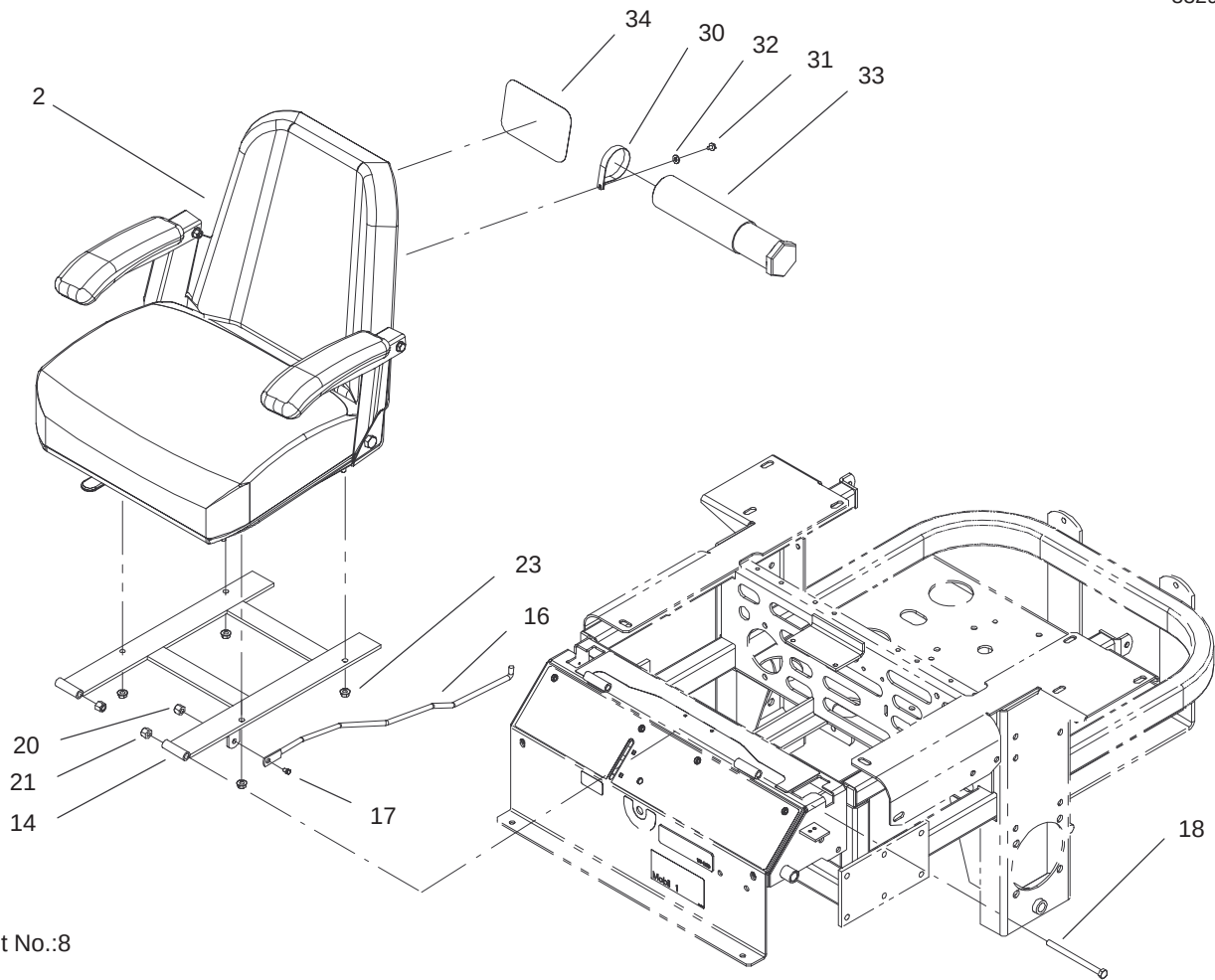
Sheet No.:7

Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
37	1-800805	1	Screw-HH
38	323-7	4	Screw-HH
39	1-803022	2	Screw-Set
40	30-1710	2	Screw
41	1-803050	2	Screw-Set
42	3256-22	2	Washer-Flat
43	3256-3	1	Washer-Flat
44	3256-4	1	Washer-Flat
45	13-2840	1	Key-Square
46	1-807272	2	Key
47	3290-357	8	Nut-HHF
48	32128-33	2	Nut-HF
49	1-805004	2	Washer-Lock
50	321-3	2	Screw-HH
51	103-2675	2	Pump-HYD
*51:1	103-2664	1	Input Shaft Kit
*51:2	94-6922	1	Bearing-Thrust
*51:3	103-2666	1	Cylinder Block Kit
*51:4	105-6185	1	Plate-Valve
*51:5	105-6184	1	Seal Overhaul Kit
*51:7	106-2053	1	Shock Valve Kit

Ref. No.	Part No.	Qty.	Description

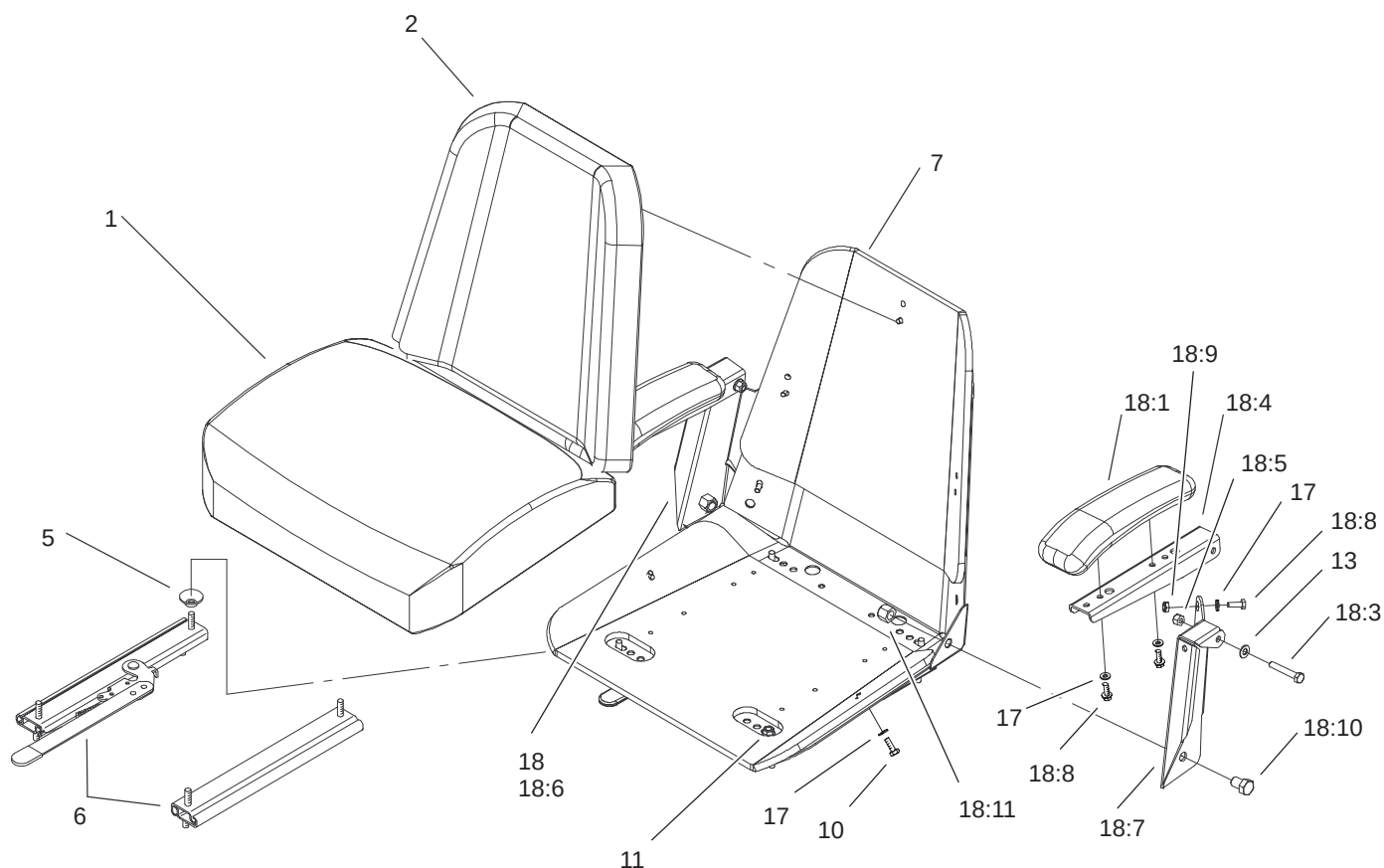
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Sheet No.:8

Seat Assembly

Ref. No.	Part No.	Qty.	Description
2	1-633705	1	Seat ASM
14	1-632187-03	1	Frame-Seat
16	1-633293	1	Rod-Holdup, Seat
17	322-5	1	Screw-HH
18	323-39	2	Screw-HH
20	3296-29	1	Nut-Lock, NI
21	3296-39	2	Nut-Lock, NI
23	32128-20	4	Nut-HF
30	2412-120	2	R-Clamp
31	32104-76	2	Screw
33	74-0720	1	Tube-Manual
34	99-4693	1	Decal-Toro

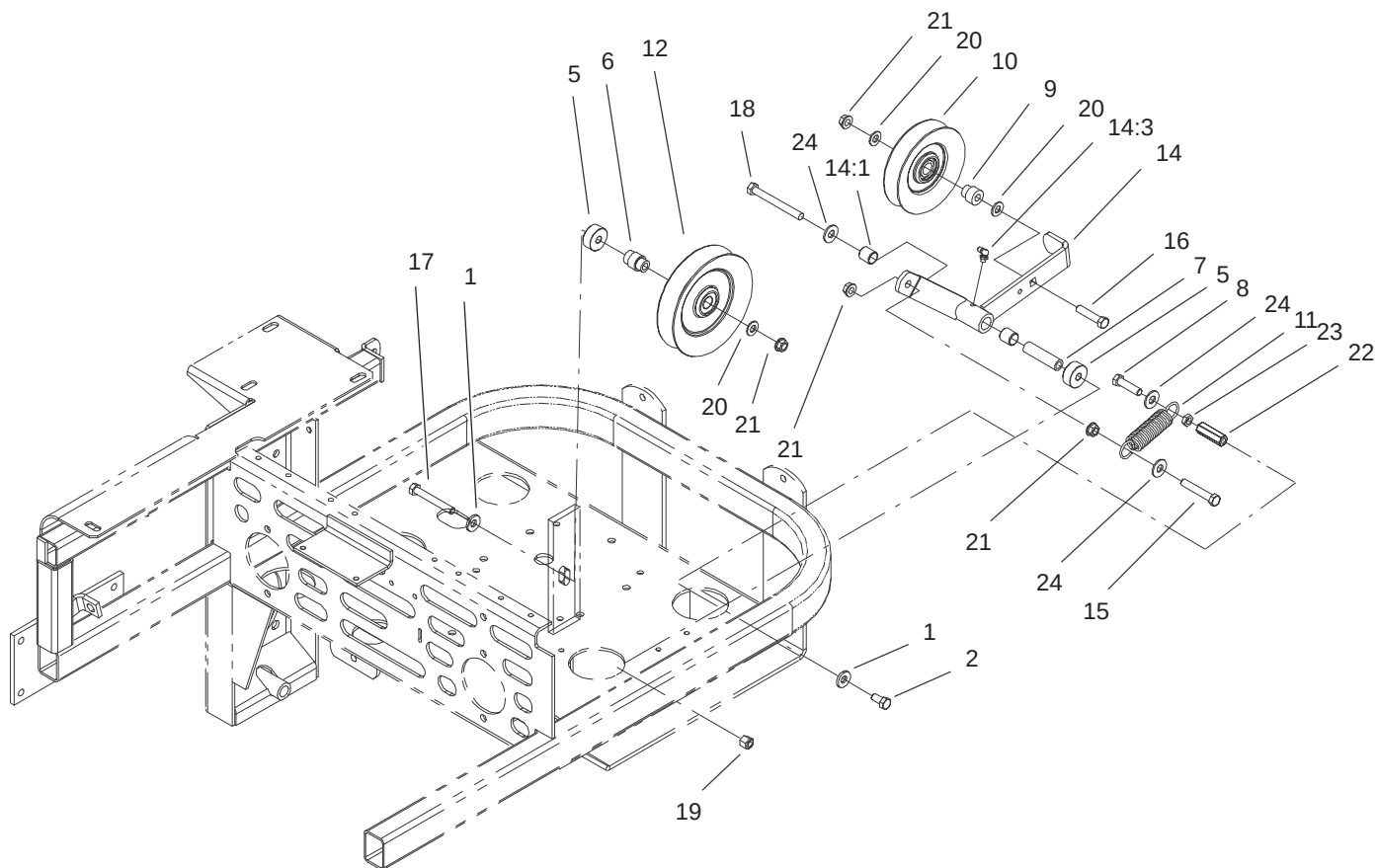


Sheet No.: A1

Seat Assembly No. 1-633705

Ref. No.	Part No.	Qty.	Description
1	103-0290	1	Cushion-Seat, Bottom
2	104-7754	1	Cushion-Seat, Back
5	1-543401	4	Spacer-Track
6	1-643255	1	Track-Seat
7	1-633859	1	Frame-Seat
10	321-4	11	Screw-HH
11	32128-20	4	Nut-HF
13	3256-23	4	Washer-Flat
17	3256-22	11	Washer-Flat
18	105-3620	1	Armrest Kit
18:1	1-633710	2	Cushion-Armrest
18:3	322-10	2	Screw-HH
18:4	105-3623	2	Channel, Armrest
18:5	32153-3	2	Nut-Lock
18:6	105-3621	1	Bracket-Armrest, RH
18:7	105-3622	1	Bracket-Armrest, LH
18:8	321-30	6	Screw-HH
18:9	3296-42	2	Nut-Lock, NI
18:10	325-2	2	Screw-HH
18:11	32153-5	2	Nut-Lock

Ref. No.	Part No.	Qty.	Description

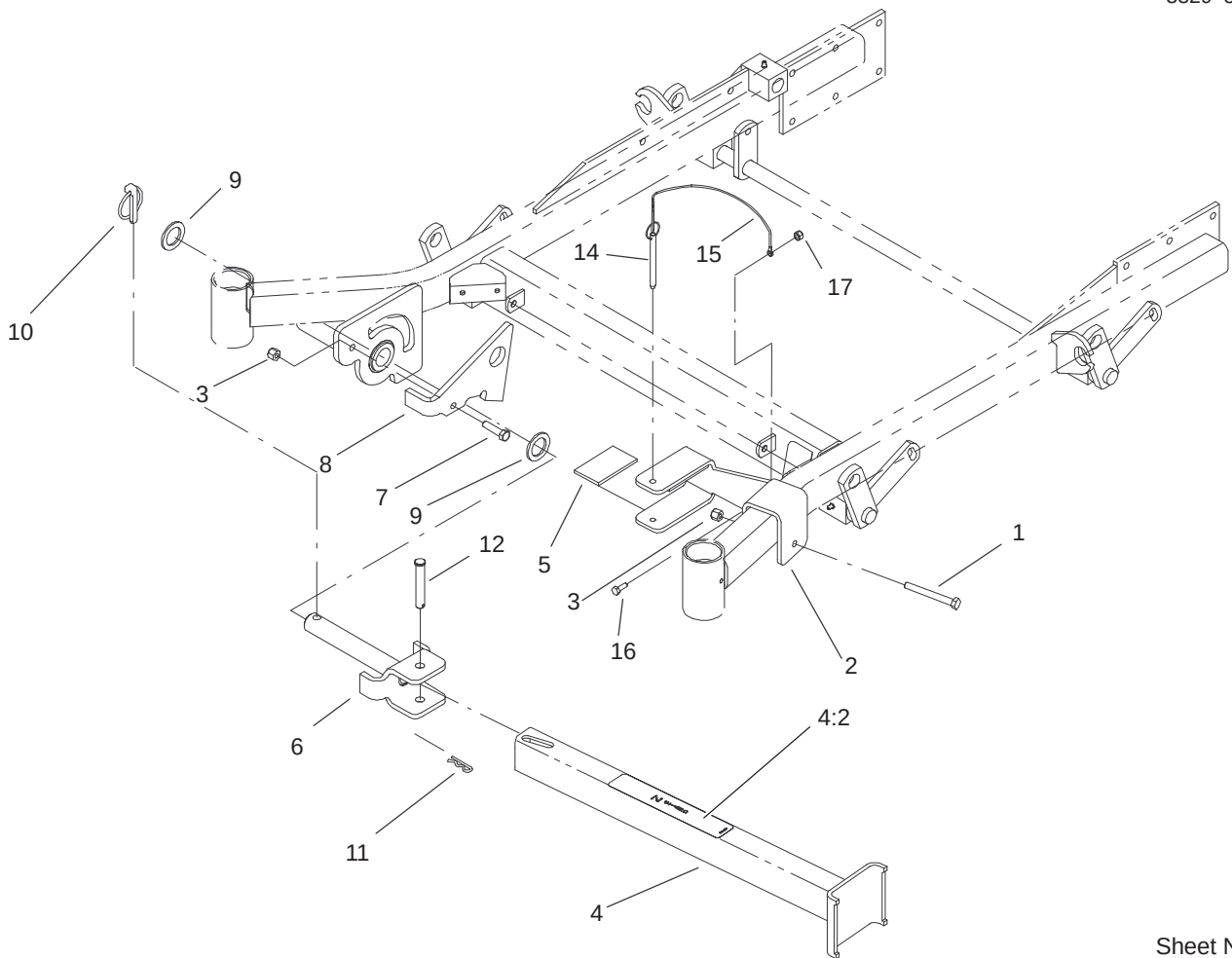


Sheet No.:10

Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	98-5975	2	Washer-Belleville
2	323-4	1	Screw-HH
5	103-2956	2	Spacer-Idler
6	103-2627	1	Bushing-Idler
7	1-603384	1	Bushing-Pivot, Idler
8	323-8	1	Screw-HH
9	1-603496	1	Bushing-Idler
10	99-4638	1	Idler
11	1-603402	1	Spring-Extension
12	1-633166	1	Pulley-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	1	Screw-HH
17	323-20	1	Screw-HH
18	323-16	1	Screw-HH
19	3296-39	1	Nut-Lock, NI
20	3256-24	3	Washer-Flat
21	3290-357	4	Nut-HHF
22	103-3286	1	Nut-Coupling
23	3218-3	1	Nut-Jam
24	3256-4	3	Washer-Flat

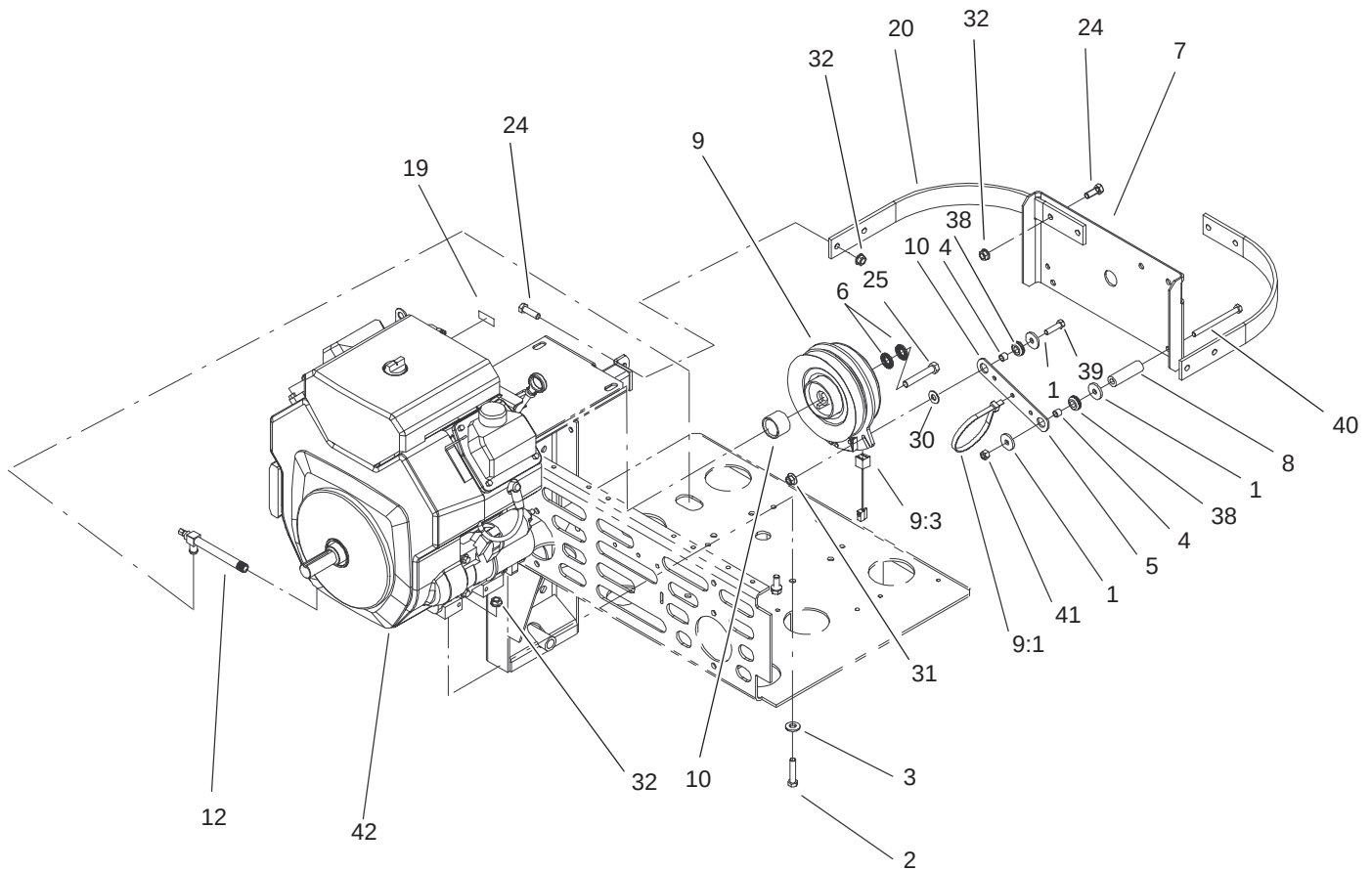
Ref. No.	Part No.	Qty.	Description



Sheet No.:11

Stand Assembly

Ref. No.	Part No.	Qty.	Description
1	323-20	1	Screw-HH
2	100-6542-01	1	Bracket-Cradle
3	3296-39	2	Nut-Lock, NI
4	100-6545	1	Leg ASM
4:2	104-7758	1	Decal-Z Stand
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	100-6547	2	Cushion-Rubber
14	105-1647	1	Pin-Hitch, Cotterless
15	100-9385	1	Lanyard-Nylon
16	321-4	1	Screw-HH
17	3296-42	1	Nut-Lock, NI



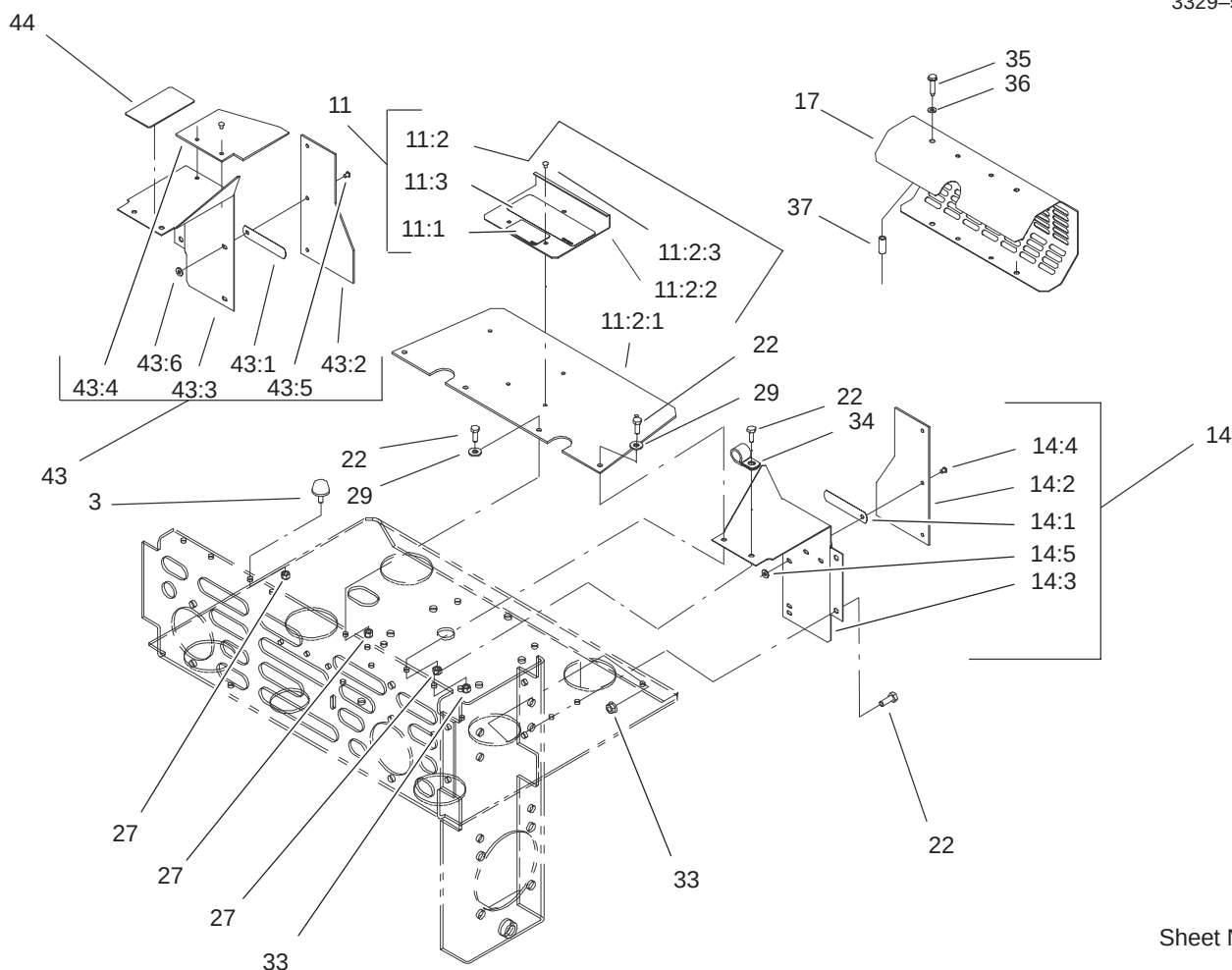
Sheet No.:12

Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	1-613235	4	Washer
2	323-9	4	Screw-HH
3	98-5975	4	Washer-Belleville
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	103-0665	1	Clutch ASM
9:1	1-303335	1	Tie-Plastic
9:3	105-1670	1	Harness-Jumper, Clutch
10	1-633179	1	Spacer-Clutch
12	103-1996	1	Valve-Oil Drain, Long
19	103-3270	1	Decal-3750 Rpm
20	1-643264-03	2	Bracket-Guard, Top
24	323-6	6	Screw-HH
25	3212-10	1	Screw-HH
30	3256-3	1	Washer-Flat
31	32128-20	1	Nut-HF
32	3290-357	8	Nut-HHF
38	1-633630	2	Grommet-Brake
39	322-6	1	Screw-HH
40	322-19	1	Screw-HH
41	3296-29	1	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description
☆42		1	Engine-Kohler, Ch740-0007

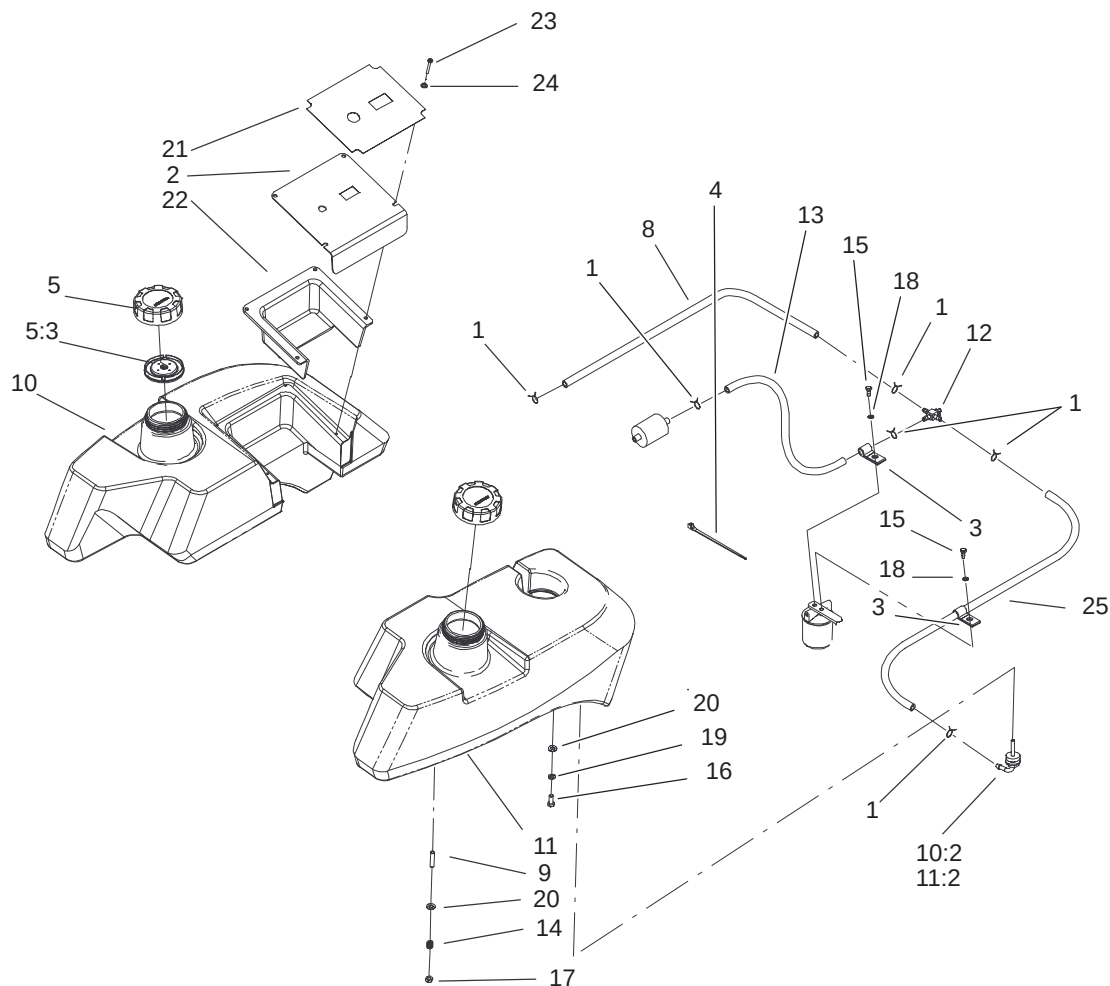
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Sheet No.:13

Shield Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
3	1-523420	2	Bumper	43:1	1-523285	1	Clip-Baffle, Rear
11	1-644276	1	Shield ASM	43:2	1-633301	1	Shield-Engine
11:1	1-633462	1	Decal-Important	43:3	1-633794-03	1	Baffle-Engine Shield, RH
11:2	1-634308	1	Shield/Lift ASM	43:4	1-643315	1	Baffle-Cooler, Engine
11:2:1	103-1308	1	Shield-Engine	43:5	1-803035	5	Rivet-Pop
11:2:2	1-633300-03	1	Lift-Shield	43:6	3256-63	5	Washer-Flat
11:2:3	1-803035	3	Rivet-Pop	44	1-643339	1	Decal-Routing, Belt
11:3	103-0368	1	Decal-Devices, Rotating				
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				
22	321-4	10	Screw-HH				
27	3296-42	6	Nut-Lock, NI				
29	3256-2	4	Washer-Flat				
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				
43	1-644316	1	RH Shield ASM				

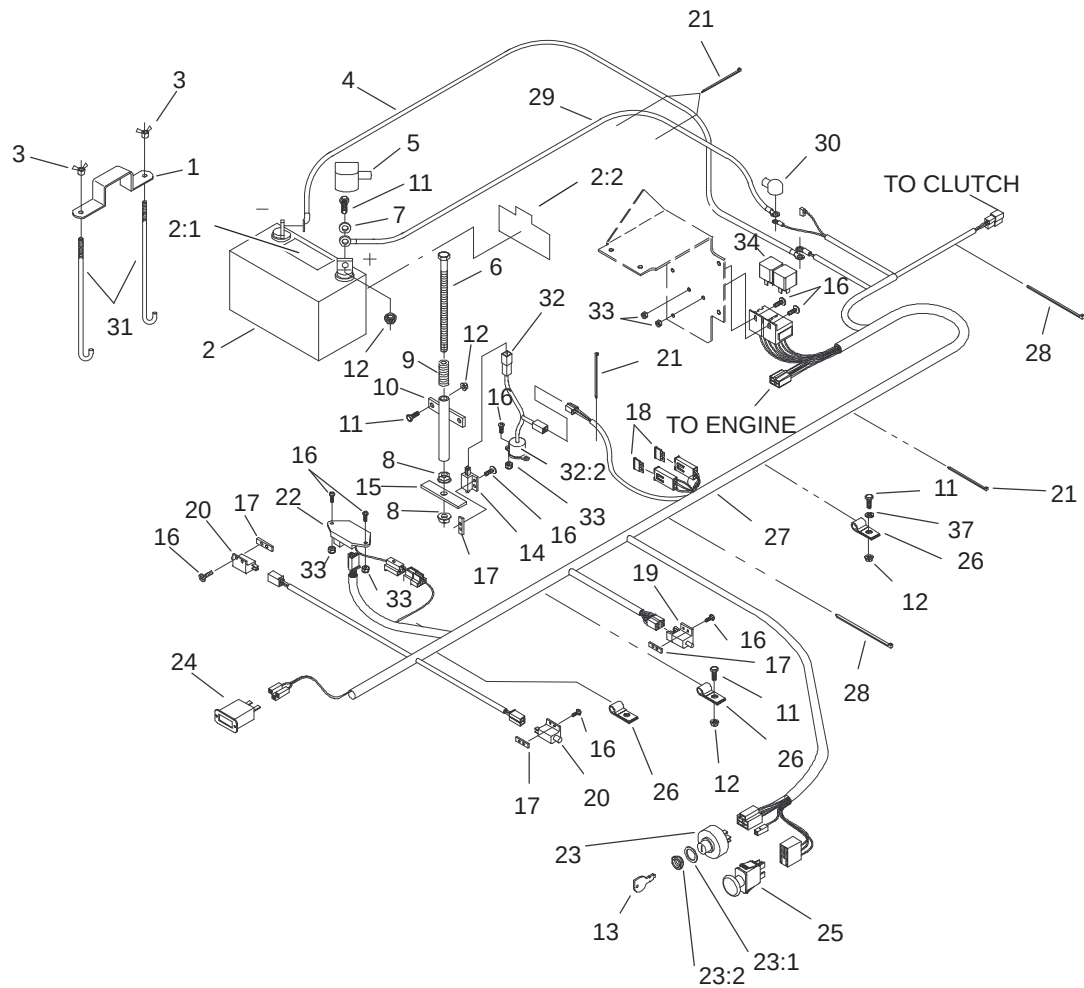


Sheet No.:22

Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	1-303077	6	Clamp
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
8	1-543456	1	Hose-Fuel
9	1-633023	6	Stud
10	105-3629	1	LH Fuel Tank ASM
10:2	103-2605	1	Fitting-Fuel, Bulkhead
11	105-3628	1	RH Fuel Tank ASM
11:2	103-2605	1	Fitting-Fuel, Bulkhead
12	1-633347	1	Valve-Fuel
13	103-0216	1	Hose
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	1-805004	2	Washer-Lock
19	1-805005	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
25	103-2885	1	Hose-Fuel

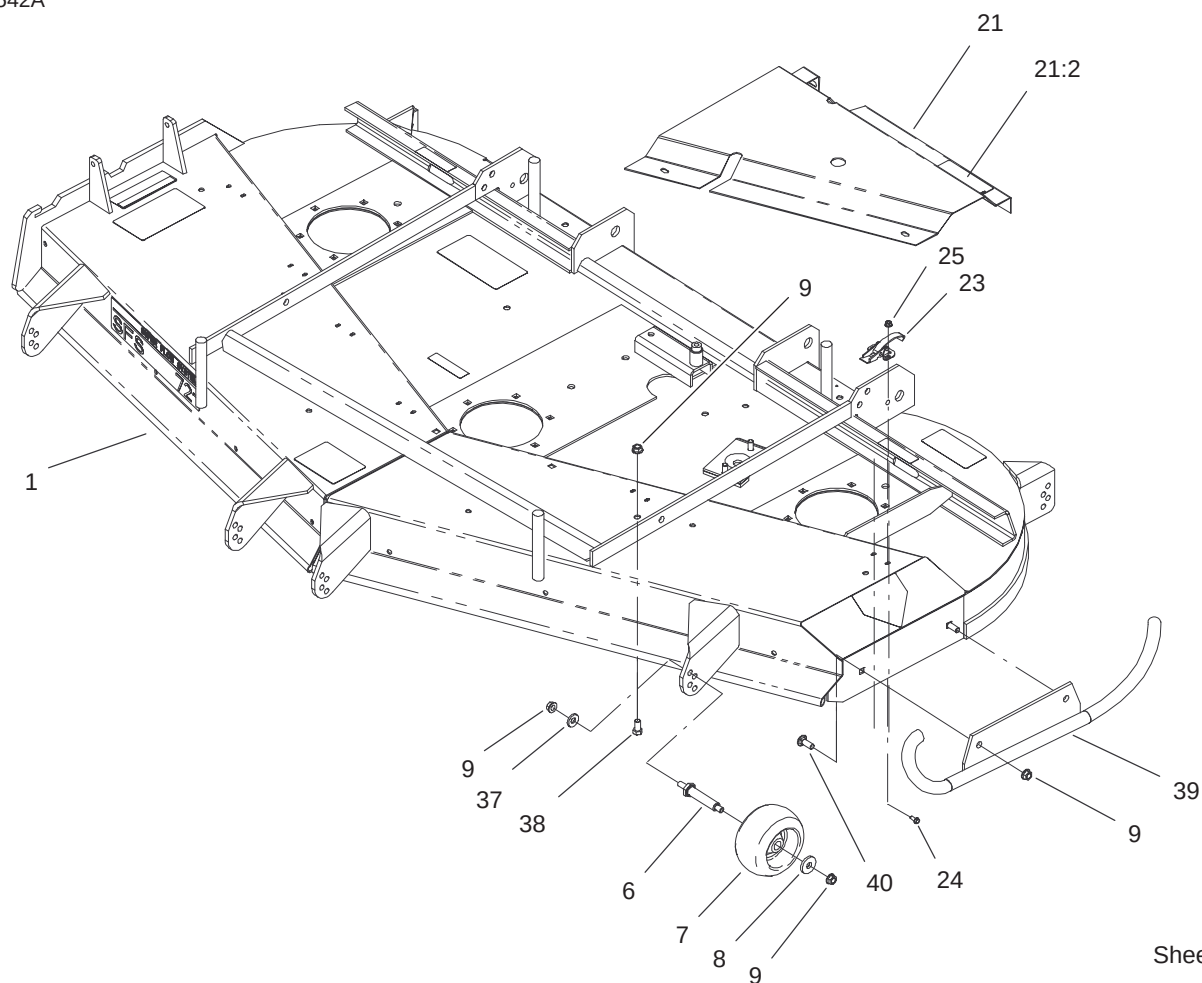
Ref. No.	Part No.	Qty.	Description



Sheet No.:27

Electrical System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-633652-03	1	Strap-Holddown	23	88-9830	1	Key Switch ASM
2	105-1692	1	Battery	23:1	3254-5	1	Washer-Tooth
2:1	104-4163	1	Decal-Battery	23:2	218-461	1	Nut-HH
2:2	104-4164	1	Decal-Battery	24	1-513374	1	Meter-Hour
3	1-543792	2	Wingnut	25	1-633673	1	Switch-Delta
4	1-633307	1	Wire-Ground	26	1-633396	3	Clip-Loom
5	1-543391	1	Insulator-Battery	27	100-4340	1	Harness-Wire
6	1-800282	1	Screw-HH	28	1-303335	2	Tie-Plastic
7	3256-2	2	Washer-Flat	29	1-523281	1	Wire-Starter
8	32128-20	2	Nut-HF	30	1-543393	1	Insulator-Solenoid
9	1-523415	1	Spring-Switch, Seat	31	1-633651	2	Bolt-Holddown
10	1-522424-03	1	Mount-Spring, Seat	32	1-644427	1	Tilt Switch ASM
11	321-4	6	Screw-HH	32:2	1-643401	1	Decal-Switch, Mercury
12	32128-33	6	Nut-HF	33	3296-2	6	Nut-Lock
13	63-8360	2	Key-Ignition	34	1-643275	2	Relay
14	1-513152	1	Switch-Closed, Normally	37	3256-22	1	Washer-Flat
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				

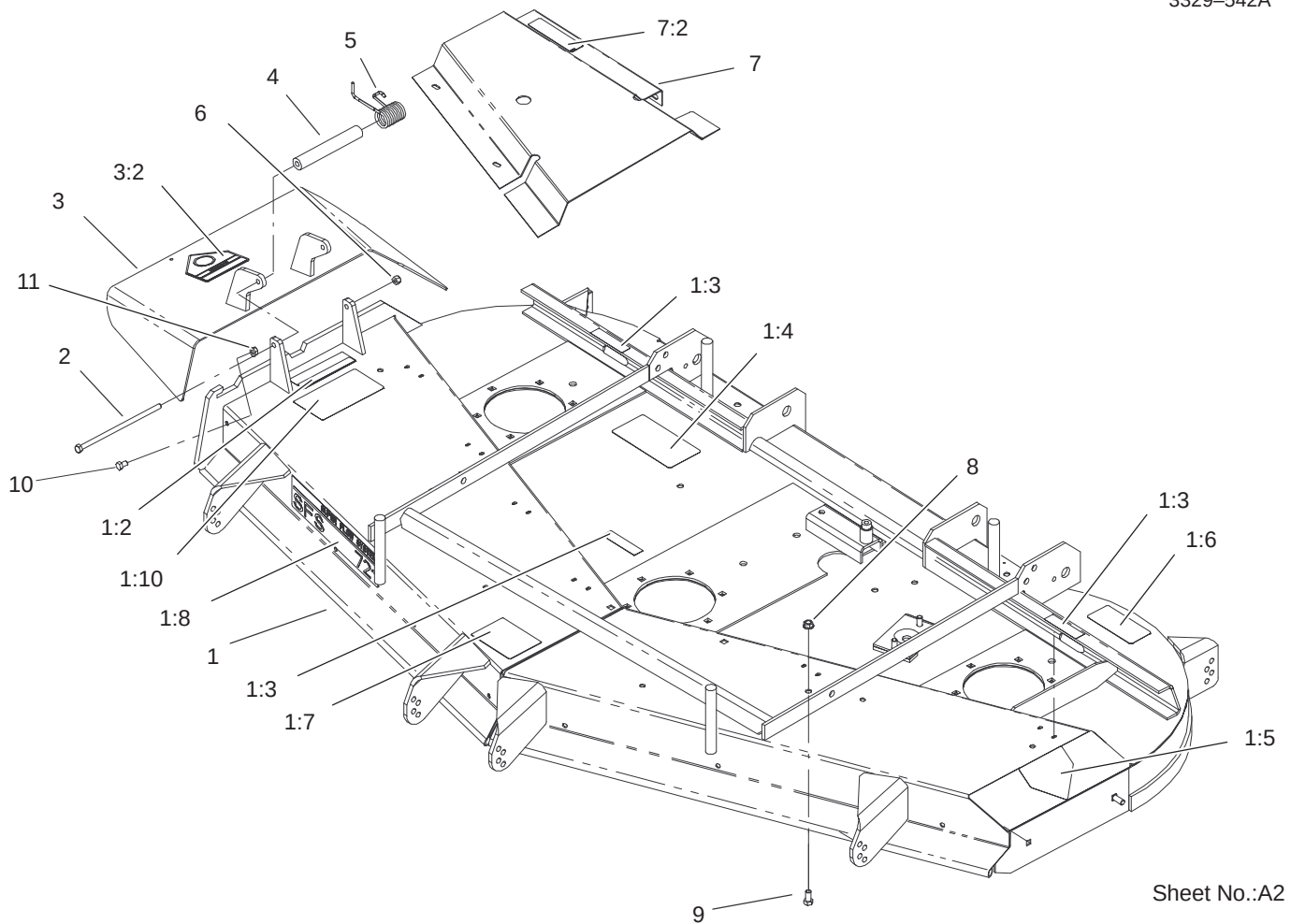


Sheet No.:71

Deck and Wheel Gage Assembly

Ref. No.	Part No.	Qty.	Description
1	105-1698	1	Deck ASM
6	99-2842	6	Spacer
7	68-2730	6	Wheel-Gage
8	1-373034	6	Washer
9	3290-357	18	Nut-HHF
21	99-2623	1	LH Cover ASM
21:2	67-5360	1	Decal-Danger
23	249-21	4	Clamp-Slotted
24	3290-321	8	Screw-HWH
25	32128-17	8	Nut-Lock, Flange
37	98-5975	6	Washer-Belleville
38	323-2	6	Screw-HH
39	98-7923-01	1	Skid
40	3231-21	2	Screw-CARR

Ref. No.	Part No.	Qty.	Description

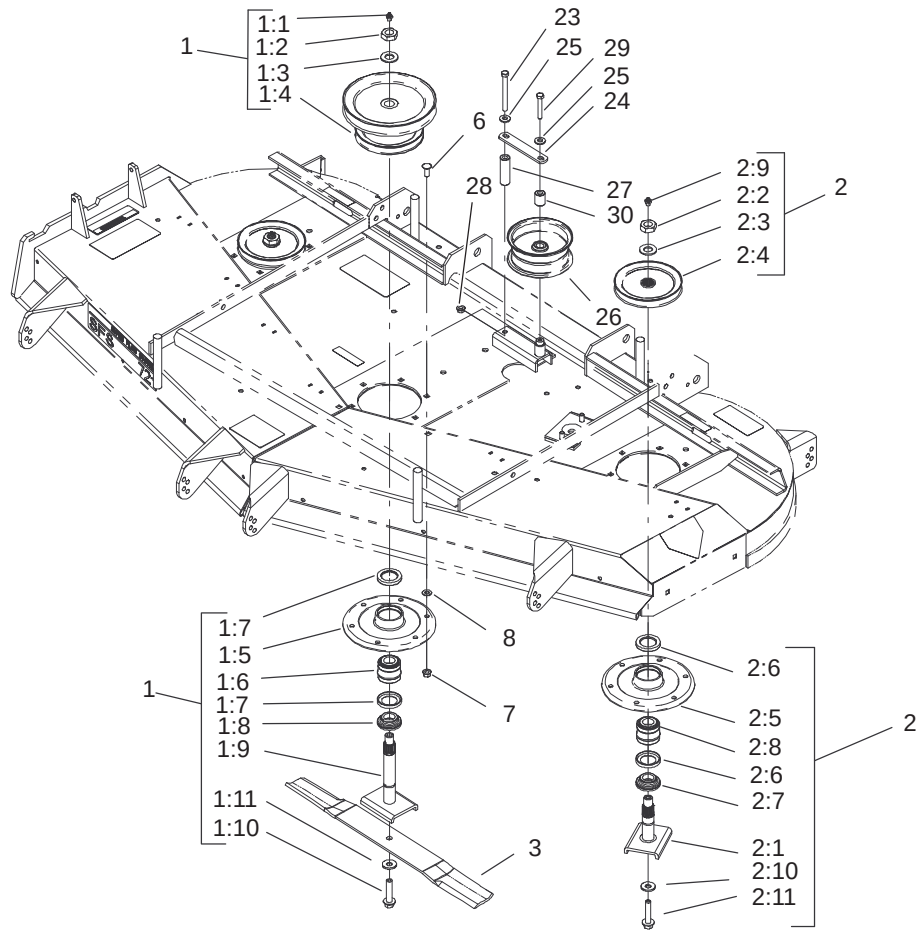


Sheet No.:A2

Deck Assembly No. 105-1698

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
☆1		1	Deck ASM				
1:2	104-8569	1	Decal-Warning				
1:3	98-5954	3	Decal-Missing, Cover				
1:4	99-4686	1	Decal-Routing, Belt				
1:5	43-8480	1	Decal-Danger				
1:6	93-7818	1	Decal-Torque, Blade Bolt				
1:7	98-3798	1	Decal-Wheel, Gage				
1:8	98-5995	1	Decal-Deck				
1:10	66-1340	1	Decal-Danger				
2	322-50	1	Screw-HH				
3	105-3605	1	Deflector ASM				
3:2	93-1122	1	Decal-Danger				
4	105-4622	1	Spacer				
5	104-8554	1	Spring-Torsion				
6	3296-29	1	Nut-Lock, NI				
7	100-6527	1	RH Cover ASM				
7:2	67-5360	1	Decal-Danger				
8	3290-357	6	Nut-HHF				
9	323-2	6	Screw-HH				
10	322-1	1	Screw-HH				
11	32128-20	1	Nut-HF				

☆ Not serviced separately

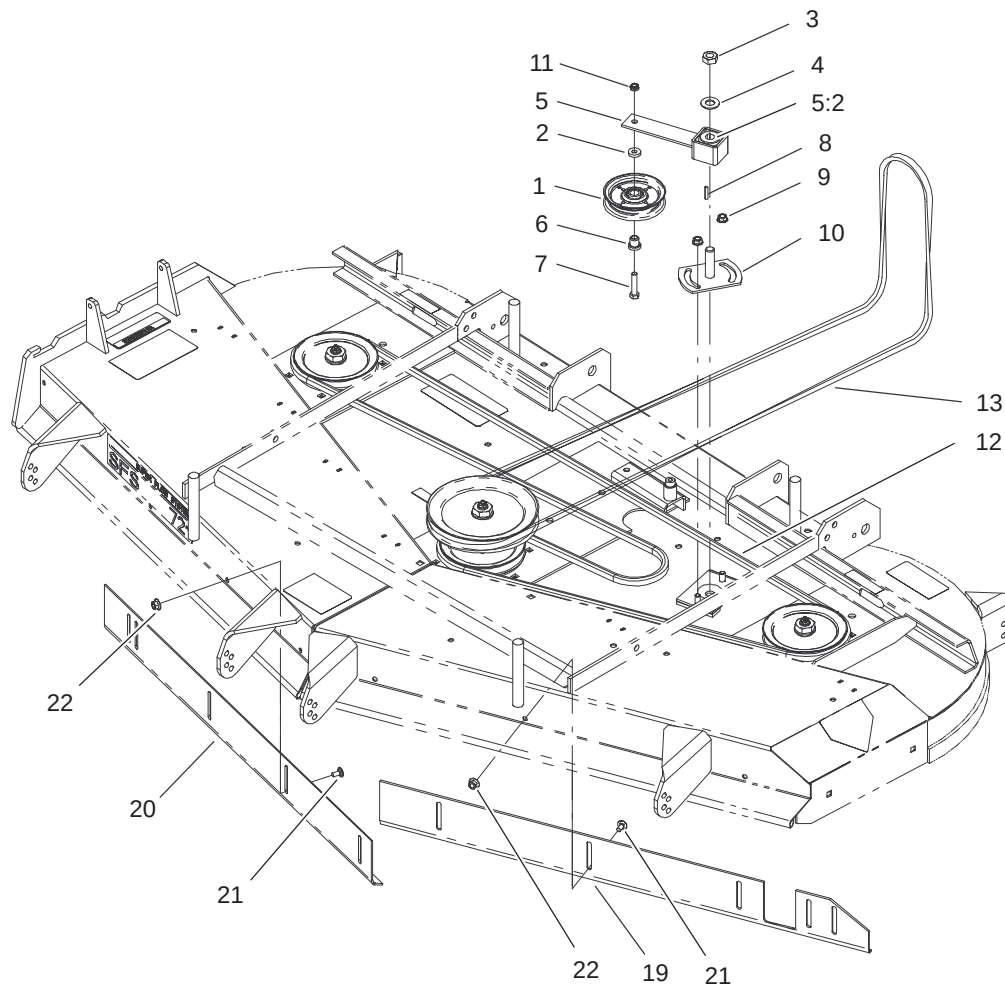


Sheet No.:72

Spindle and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
1	105-1691	1	Spindle Housing ASM
1:1	302-2	1	Fitting-Grease
1:2	32146-20	1	Nut-Jam
1:3	92-5836	1	Washer
1:4	100-4309	1	Pulley ASM
1:5	61-4160	1	Housing
1:6	46-8530	1	Bearing ASM
1:7	253-139	2	Seal-Oil
1:8	27-0950	1	Spacer
1:9	105-1686	1	Spindle Shaft ASM
1:10	92-5816	1	Bolt-Blade
1:11	1-513435	1	Washer-Spring
2	99-4642	2	Outer Spindle ASM
2:1	27-0920	1	Shaft
2:2	32146-20	1	Nut-Jam
2:3	7-4150	1	Washer
2:4	99-4615	1	Pulley And Hub ASM
2:5	61-4160	1	Housing
2:6	253-139	2	Seal-Oil
2:7	27-0950	1	Spacer
2:8	46-8530	1	Bearing ASM
2:9	302-2	1	Fitting-Grease
2:10	1-513435	1	Washer-Spring
2:11	92-5816	1	Bolt-Blade
3	94-1861	3	Blade
6	3231-22	18	Screw-CARR

Ref. No.	Part No.	Qty.	Description
7	32128-21	18	Nut-HF
8	3256-24	4	Washer-Flat
23	323-42	1	Screw-HH
24	1-653189	1	Plate
25	98-5975	2	Washer-Belleville
26	1-413099	1	Pulley-Idler
27	99-4659	1	Spacer-Bracket
28	3290-357	1	Nut-HHF
29	323-11	1	Screw-HH
30	1-653190	1	Spacer

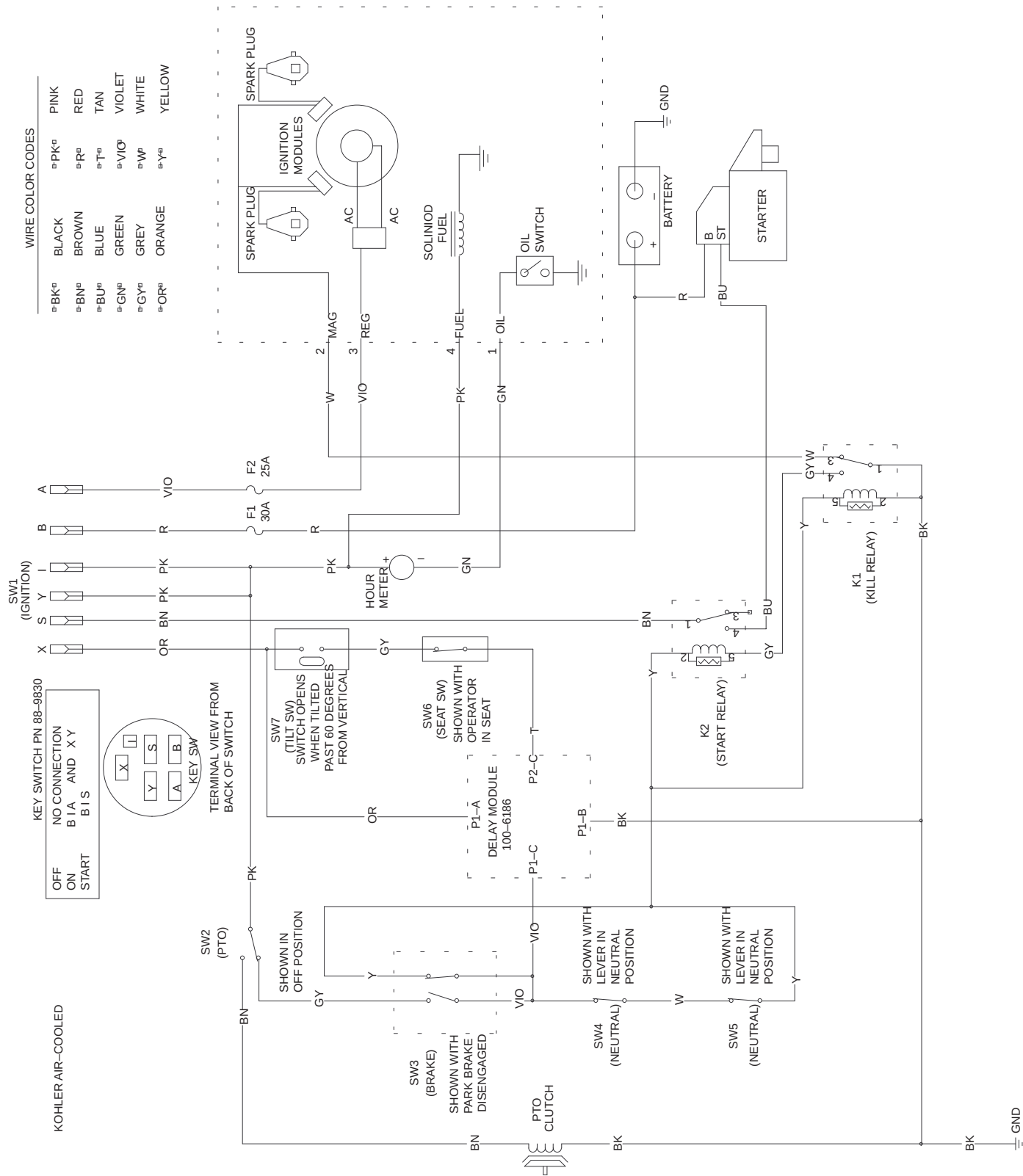


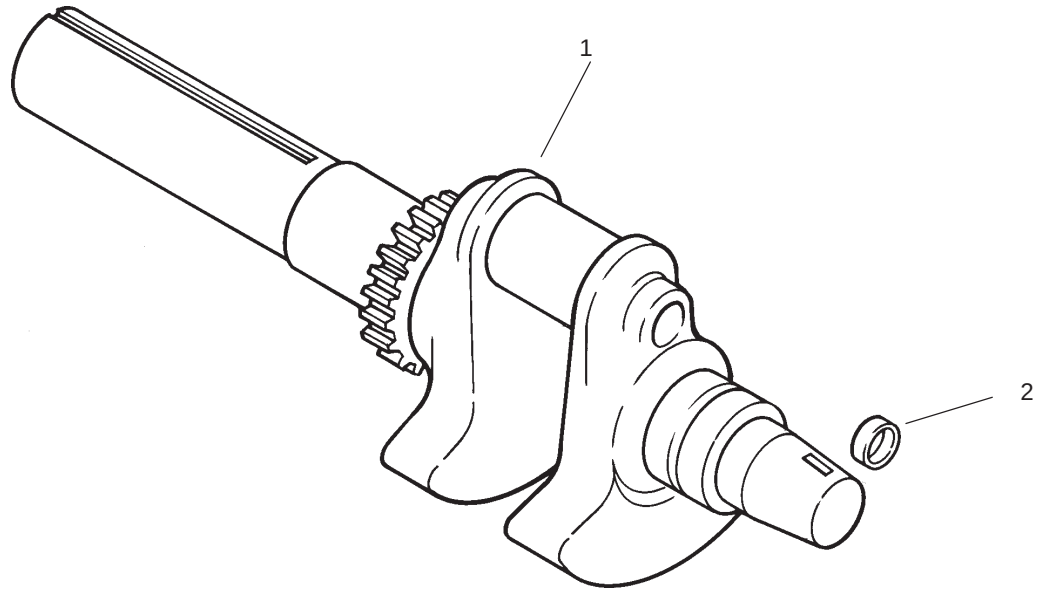
Sheet No.:73

Belt and Idler Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	65-5940	1	Pulley-Idler
2	7-0081	1	Washer-Flat
3	3296-33	1	Nut-Lock, NI
4	3256-27	1	Washer-Flat
5	27-8580	1	Idler Arm ASM
5:2	27-8490	1	Bushing-Rubber
6	65-5950	1	Bushing-Pulley
7	3211-8	1	Screw-HH
8	5-1077	1	Key-Square
9	3290-357	2	Nut-HHF
10	44-6300	1	Plate-Idler
11	3296-5	1	Nut-Lock, NI
12	57-0240	1	V-Belt
13	99-4627	1	V-Belt
19	99-5156-03	1	Baffle-Front, LH
20	93-3215-03	1	Baffle-Front, RH
21	3230-18	8	Screw-CARR
22	32128-20	8	Nut-HF

Electrical Schematic



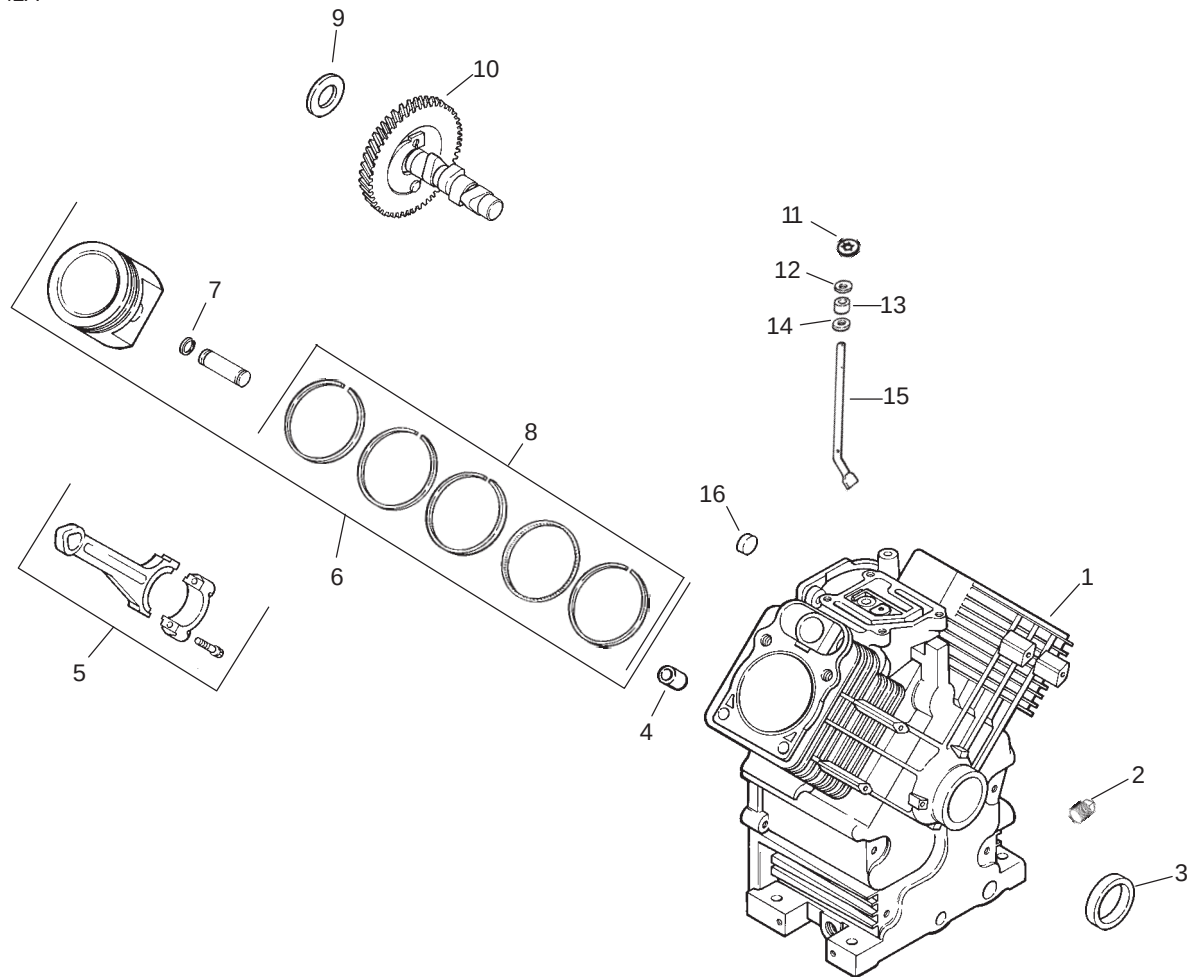


Group 1 – Crankshaft Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	24 014 06—S	1	Crankshaft (Includes 2)
2	52 139 09—S	1	Plug, cup

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler

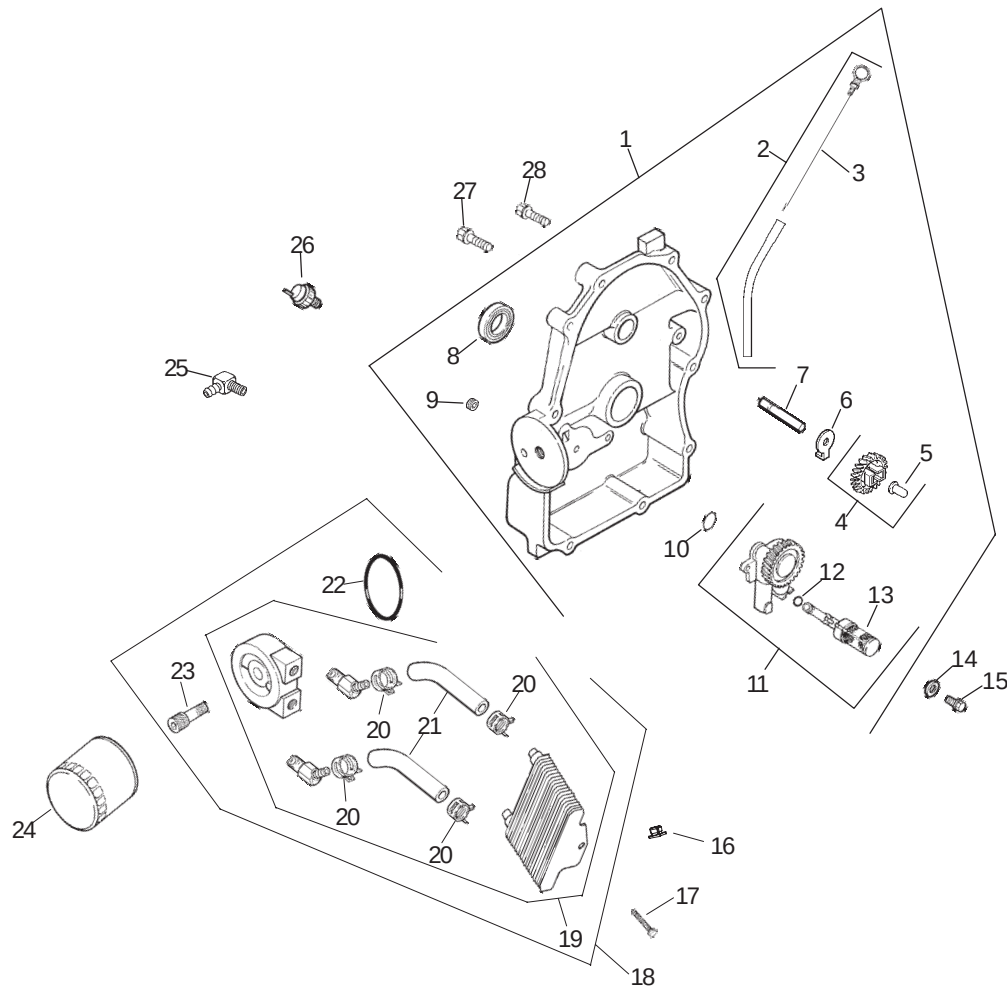


Group 2 – Crankcase Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	N/A	1	Crankcase (Use Short Block or Miniblock)
2	25 139 57-S	2	Plug, sq. hd. 3/8\"/>

Ref. No.	Part No.	Qty.	Description
	12 422 11-S	1	Shim, camshaft (A.R.) green
	12 422 12-S	1	Shim, camshaft (A.R.) gray
10	24 012 18-S	1	Camshaft
11	24 018 09-S	1	Retainer, ring
12	M-931010-S	1	Washer, plain 9 mm
13	28 032 09-S	1	Seal, governor cross shaft
14	24 468 15-S	1	Washer, flat 1/4\"/>

Obtain Parts from Kohler



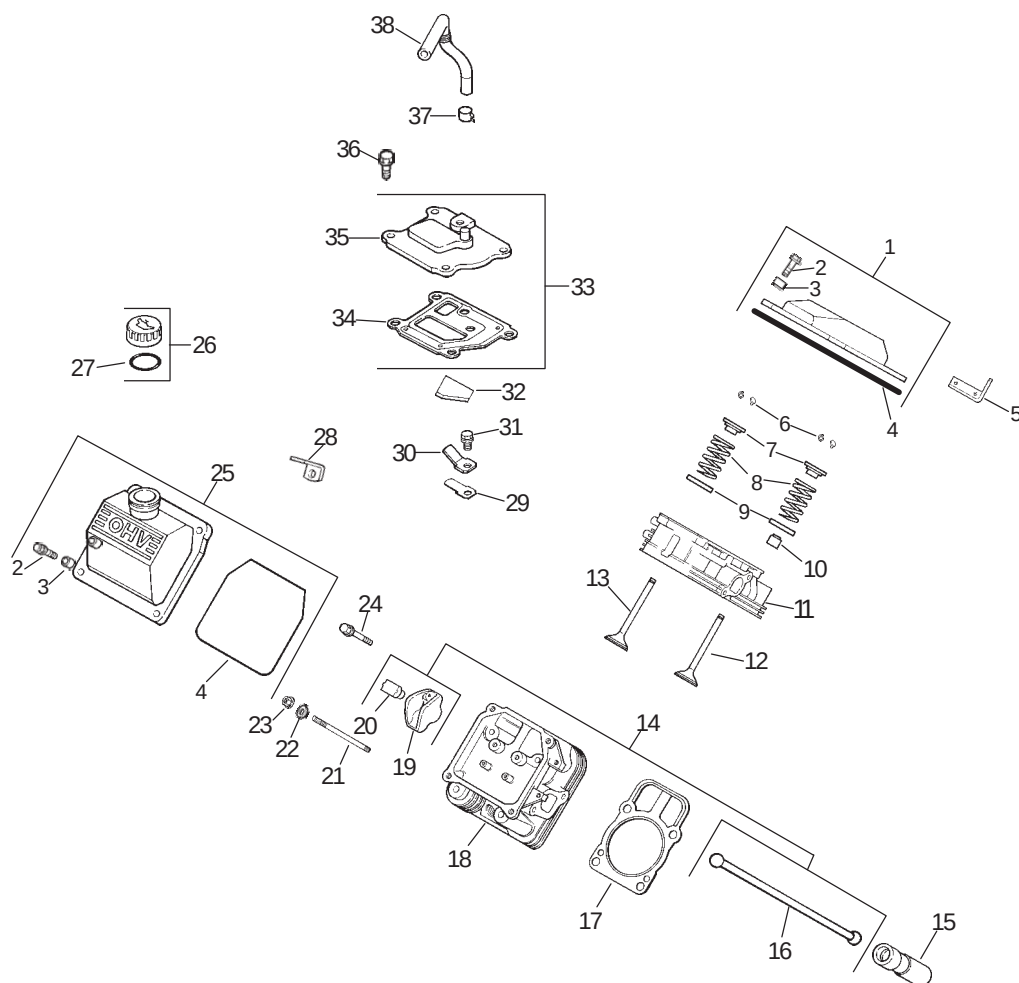
Group 3 – Oil Pan/Lubrication Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	24 009 83-S	1	Plate, closure assembly (Includes 2-13)
2	24 755 121-S	1	Tube assembly, dipstick (Includes 3)
3	24 038 10-S	1	Dipstick
4	24 043 12-S	1	Kit, governor gear (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	1	Plug, pipe hex. ctsk. 1/8"
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	24 100 01-S	2	Nut, plastic

Ref. No.	Part No.	Qty.	Description
17	25 086 49-S	2	Screw, tapping 1/4-10x3/4
18	54 755 21-S	1	Kit, oil cooler (Includes 19-23)
19	24 594 09-S	1	Cooler assembly, oil (Includes 20,21)
20	24 237 10-S	4	Clamp, oil cooler hose
21	24 326 15-S	2	Hose, oil cooler
22	24 153 13-S	1	O-Ring
23	28 136 01-S	1	Nipple, oil filter
24	52 050 02-S	1	Filter, oil
25	25 155 02-S	1	Connector
26	24 099 03-S	1	Switch, pressure
27	24 086 16-S	9	Screw, hex. flange M8x1.25x45
28	24 086 17-S	1	Screw, hex. flange M8x1.25x45
*	24 113 25-S	1	Decal, oil cooler

Obtain Parts from Kohler

* Not Illustrated

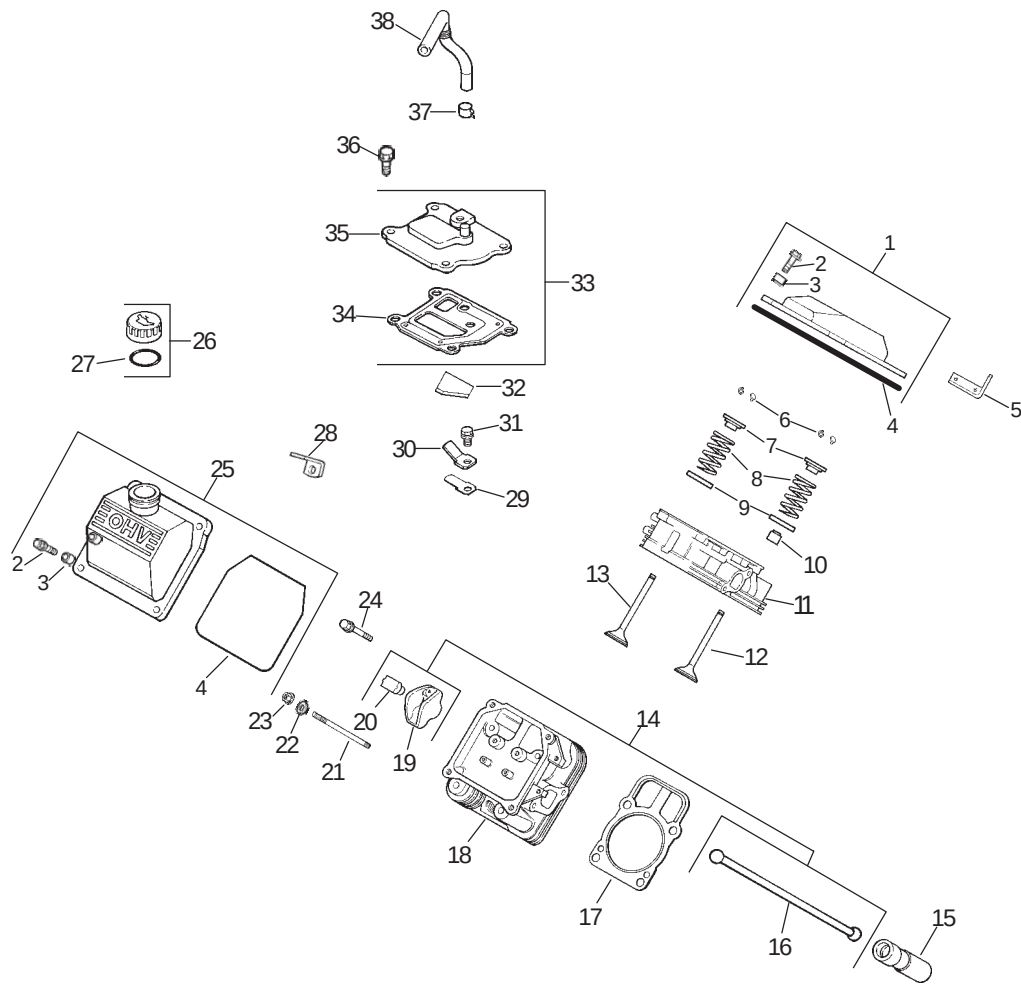


Group 4 – Head/Valve/Breather Assembly Kohler CH740-0007

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 23-S	1	O-Ring, valve cover
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 65-S	1	Head assembly, #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 37-S	2	Gasket, cylinder head

Ref. No.	Part No.	Qty.	Description
18	24 318 66-S	1	Head assembly, #2 cylinder
19	25 186 01-S	4	Arm, rocker
20	24 599 01-S	4	Pivot, rocker arm
21	24 072 09-S	8	Stud, cylinder head M8x1.25x20 M10x1.5x33, 105 mm long
22	24 468 16-S	8	Washer, flat 8 mm
23	24 100 10-S	8	Nut, hex. flange M8x1.25
24	M-640034-S	4	Screw, hex. flange M6x1.0x34
25	24 755 75-S	1	Kit, valve cover-oil fill (Includes 2-4)
26	24 755 46-S	1	Kit, oil fill cap (Includes 27)
27	25 153 02-S	1	O-Ring
28	12 445 05-S	1	Strap, lifting
29	24 402 03-S	1	Reed, breather
30	12 018 01-S	1	Retainer, breather reed
31	M-545010-S	1	Screw, hex. flange M5x0.8x10
32	24 050 01-S	1	Filter, breather

Obtain Parts from Kohler

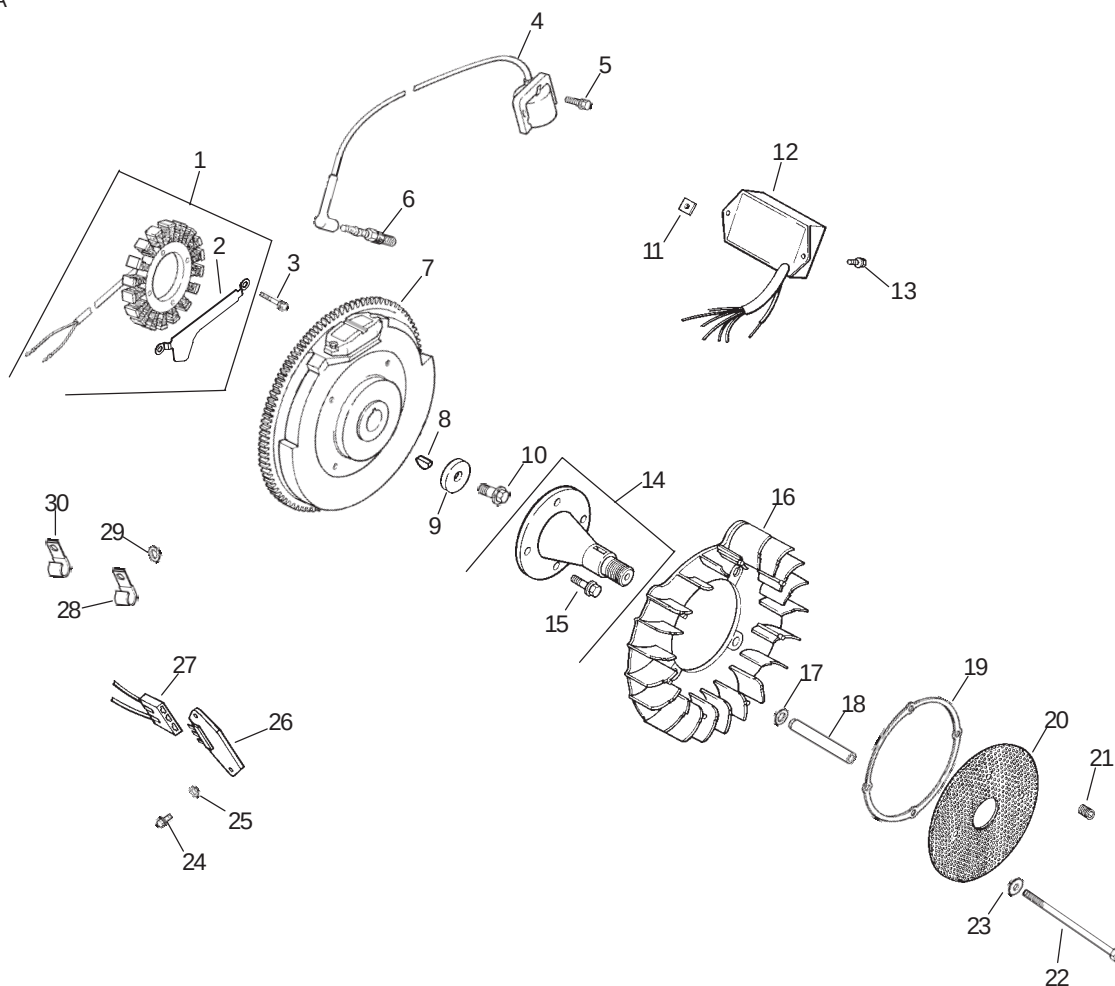


Group 4 – Head/Valve/Breather Assembly (Continued)

Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
33	24 033 01-S	1	Kit, breather (Includes 34,35)
34	24 041 23-S	1	Gasket, breather
35	24 096 86-S	1	Cover, breather
36	M-645020-S	4	Screw, hex. flange M6x1.0x20
37	25 237 08-S	2	Clamp, breather
38	24 326 31-S	1	Hose, breather

Obtain Parts from Kohler



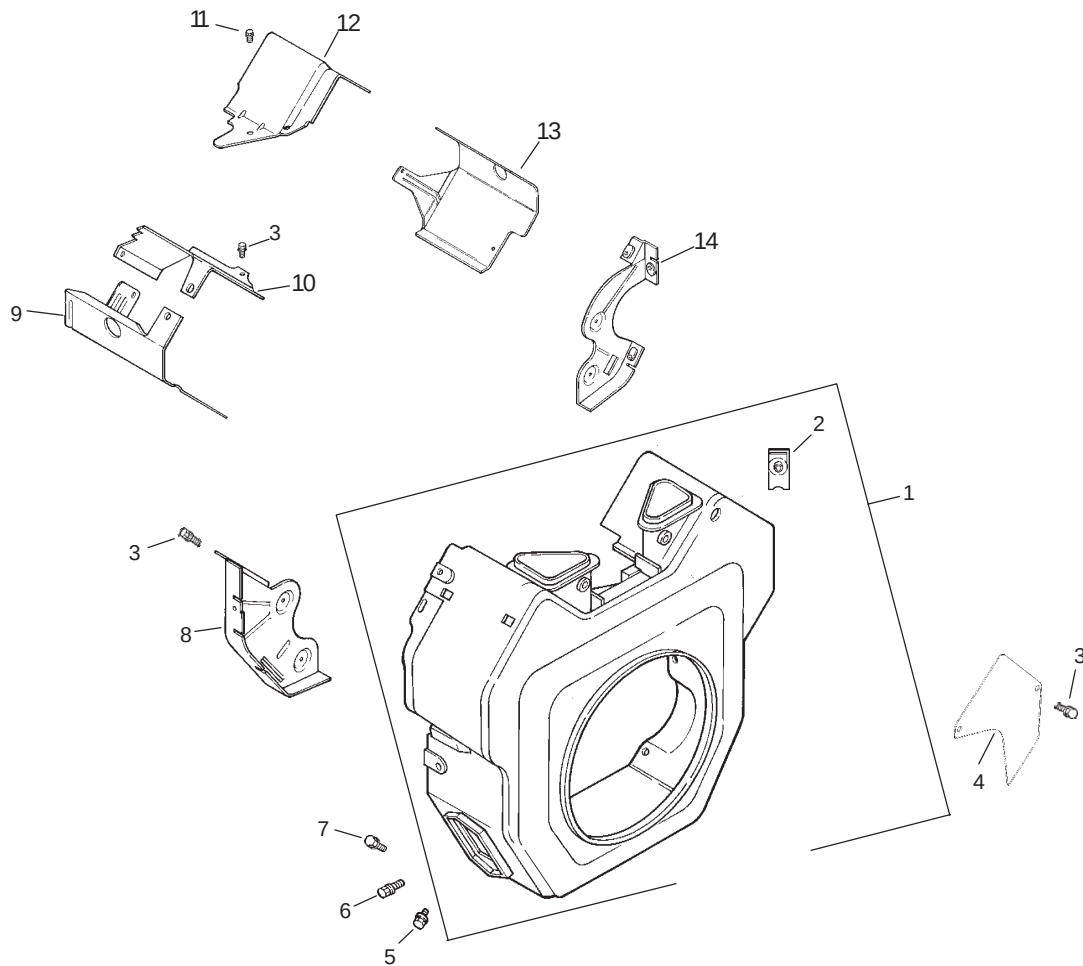
Group 5 – Ignition/Electrical Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	54 755 09-S	1	Kit, 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 15-S	2	Module, ignition
5	M-561025-S	4	Screw, thread forming M5x0.8x16
6	12 132 06-S	2	Spark Plug
7	24 025 25-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	24 100 02-S	2	Nut, plastic
12	24 584 27-S	1	Module, spark advance
13	24 086 41-S	2	Screw, phillips hd. 11-16x1/2"
14	24 755 08-S	1	Kit, front drive shaft (Includes 15)
15	M-839025-S	4	Screw, hex. flange M8x1.25x25
16	24 157 07-S	1	Fan
17	24 468 11-S	4	Washer, spring
18	24 112 14-S	4	Spacer, grass screen

Ref. No.	Part No.	Qty.	Description
19	24 141 06-S	1	Ring, support
20	24 162 22-S	1	Screen, grass
21	25 086 43-S	1	Screw, set
22	M-603100-S	4	Screw, hex. cap M6x1.0x100
23	X-25-53-S	4	Washer, plain 1/4"
24	24 086 18-S	2	Screw, phillips hd. 11-16x7/8
25	X-25-92-S	2	Washer, plain 3/16"
26	25 403 03-S	1	Rectifier-regulator 15 amp
27	236602-S	1	Connector (3 contact)
28	47 154 01-S	1	Clip, cable
29	X-25-63-S	1	Washer, plain 1/4"
30	48 154 02-S	1	Clip, cable
*	24 518 12-S	1	Lead, black, (5" – 12 gauge – insulated grip barrel eyelet terminals)
*	X-22-11-S	1	Washer, lock 1/4" (for ground screw & wire)
*	24 176 98-S	1	Harness, wiring
*	25 454 03-S	2	Tie, cable

Obtain Parts from Kohler

* Not Illustrated

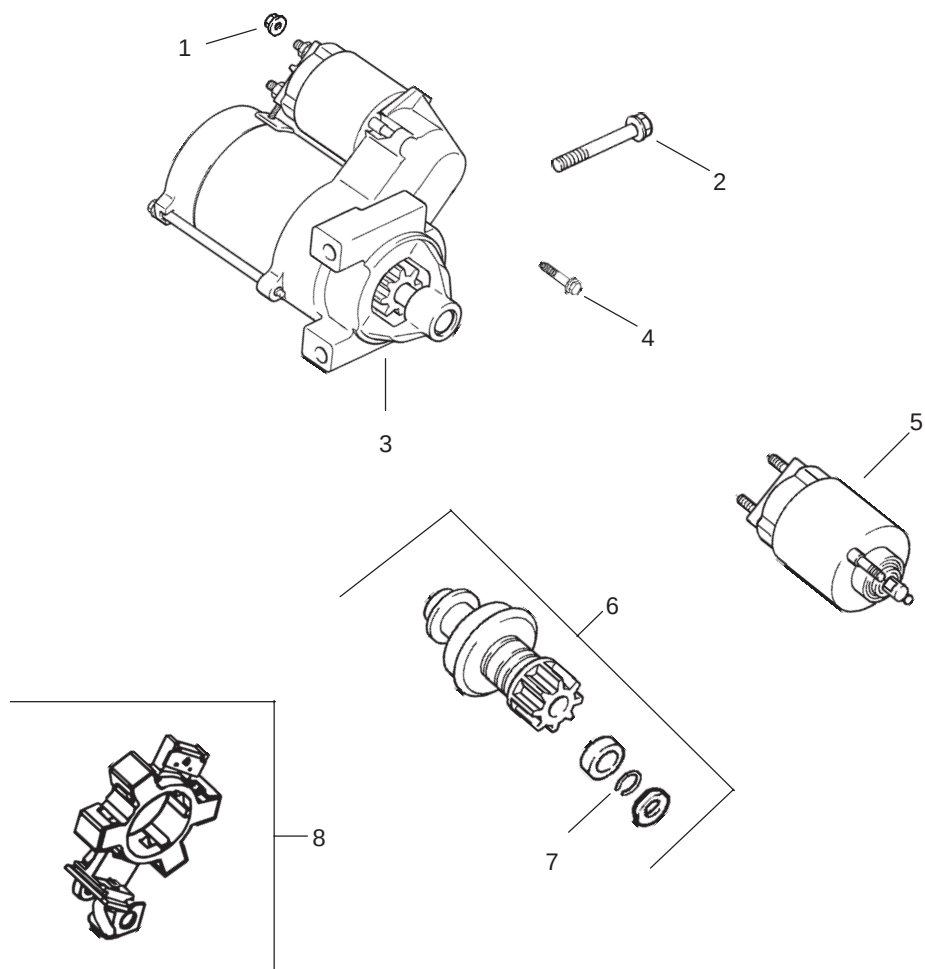


Group 6 – Blower Housing Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	84 027 13-S	1	Housing, blower (Includes 2)	14	24 146 20-S	1	Plate, backing – #1 side
2	25 154 02-S	4	Clip	*	24 113 124-S	1	Decal, 27 HP
3	M-645016-S	10	Screw, hex. flange M6x1.0x16				
4	24 096 63-S	2	Cover, access				
5	M-551016-S	1	Screw, hex. flange M5x0.8x16				
6	M-545016-S	2	Screw, hex. flange M5x0.8x16				
7	M-545020-S	4	Screw, hex. flange M5x0.8x20				
8	24 146 19-S	1	Plate, backing – #2 side				
9	24 063 39-S	1	Baffle, cylinder barrel-#2 side				
10	24 063 17-S	1	Baffle, valley – #2 side				
11	M-545010-S	2	Screw, hex. flange M5x0.8x10				
12	24 063 59-S	1	Baffle, valley – #1 side				
13	24 063 58-S	1	Baffle, cylinder barrel-#1 side				

Obtain Parts from Kohler

* Not Illustrated

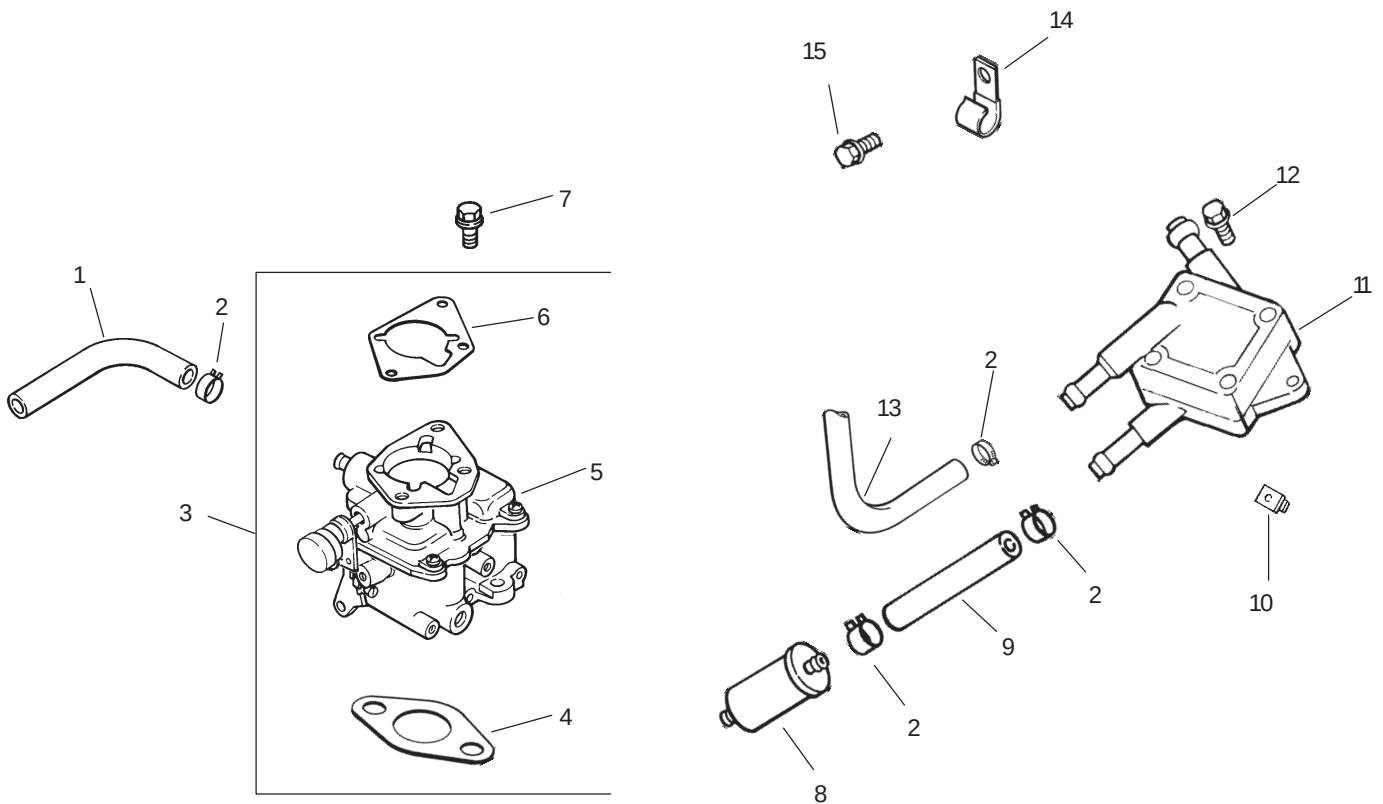


Group 7 – Starter Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	M-841080-S	1	Nut, hex flange M8x1.25
2	M-839080-S	2	Screw, hex. flange M8x1.25x80
3	25 098 09-S	1	Starter, solenoid shift assembly (Includes 4-8)
4	25 086 113-S	3	Screw, external Torx head
5	25 435 05-S	1	Kit, solenoid (Includes 4)
6	25 755 33-S	1	Kit, pinion drive (Includes 7)
7	25 141 05-S	1	Ring
8	25 225 01-S	1	Kit, brush

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler



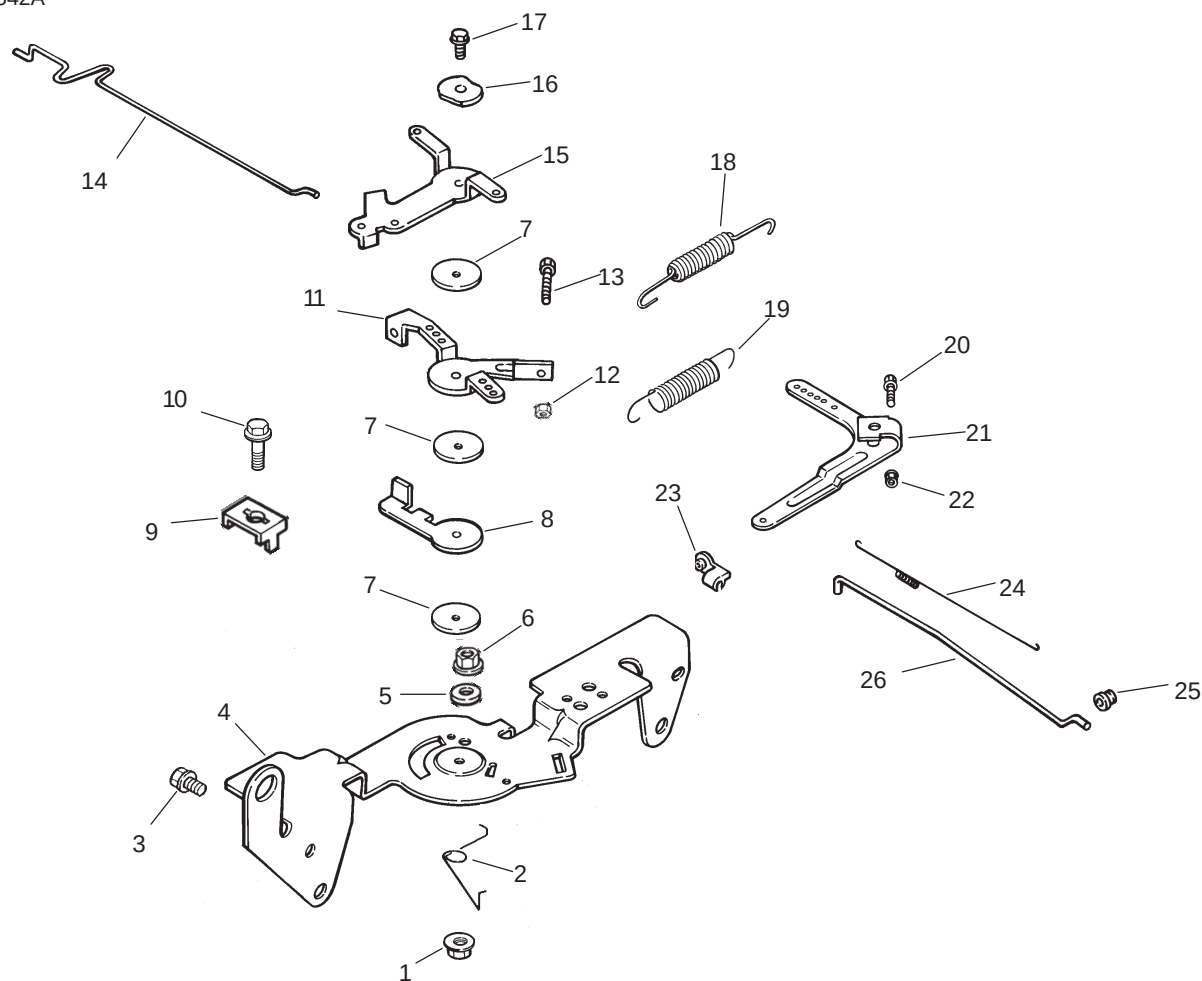
Group 8 – Fuel System Assembly Kohler CH740-0007

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 93-S	1	Kit, carburetor w/gasket (Includes 4-6)
4	24 041 17-S	1	Gasket, carburetor
5	24 053 93	1	Carburetor assembly (For information only, not available separately) (Service with kits 24 757 01-S, 24 757 02-S, 24 757 03-S, 24 757 07-S, 24 757 08-S, and 24 757 09-S)
6	24 041 06-S	1	Gasket, air cleaner base
7	M-651030-S	2	Screw, hex. flange
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

Ref. No.	Part No.	Qty.	Description
12	24 086 12-S	2	Screw, hex. cap M6x1.7x18
13	24 353 02-S	1	Line, fuel 15"
14	47 154 01-S	1	Clip, cable
15	M-650012-S	1	Screw, hex. flange M6x1.0x12
*	24 757 01-S	1	Kit, solenoid
*	24 757 02-S	1	Kit, float repair
*	24 757 03-S	1	Kit, carburetor repair
*	24 757 07-S	1	Kit, choke repair
*	24 757 08-S	1	Kit, accelerator pump diaphragm repair
*	24 757 09-S	1	Kit, accelerator pump seal and bushing kit

Obtain Parts from Kohler

* Not Illustrated

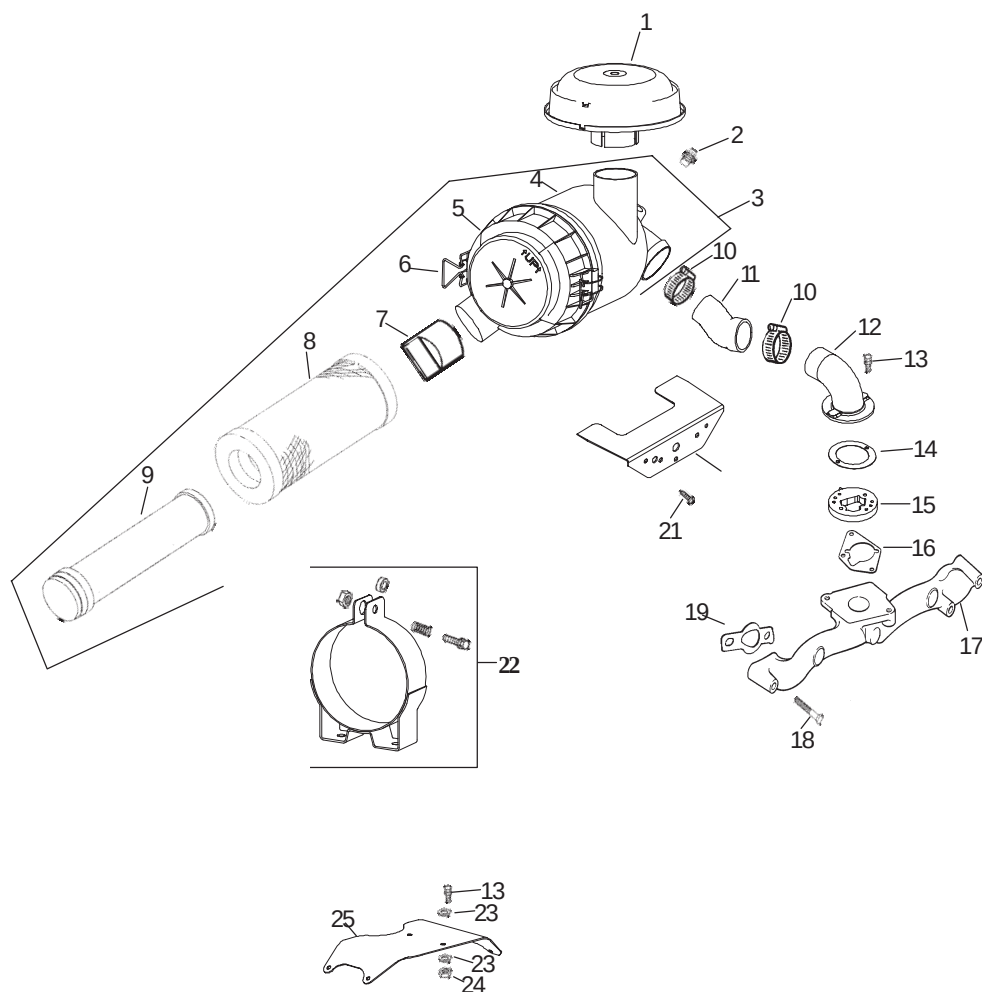


Group 9 – Engine Control Assembly Kohler CH740-0007

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-645016-S	4	Screw, hex. flange M6x1.0x16
4	24 126 56-S	1	Bracket, control
5	X-20-1-S	1	Washer, lock 1/4
6	M-541050-S	1	Nut, hex. flange M5x0.8
7	24 468 01-S	3	Washer, plain 1/4
8	24 090 07-S	1	Lever, throttle actuator
9	12 237 01-S	2	Clamp, cable
10	M-545016-S	3	Screw hex. flange M5x0.8x16
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 21-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 46-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

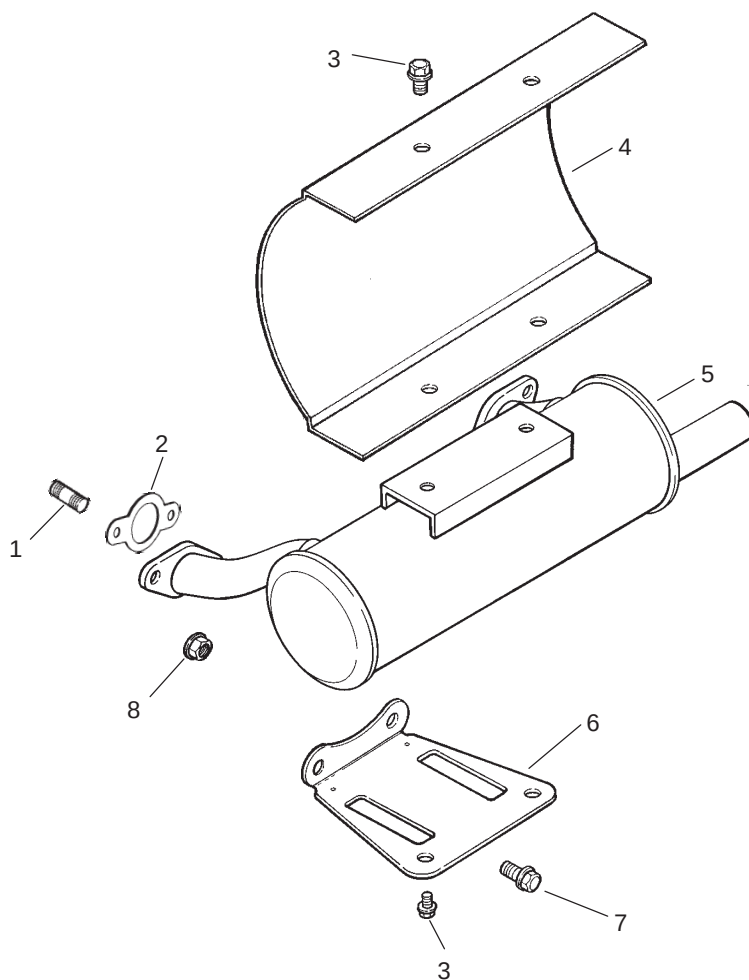


Group 10 – Air Intake/Filtration Assembly Kohler CH740-0007

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 26-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

Obtain Parts from Kohler



Group 11 – Exhaust Assembly Kohler CH740-0007

Ref. No.	Part No.	Qty.	Description
1	25 072 04-S	4	Stud M8x1.25x33
2	24 041 49-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, canister oil filter outlet
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
*	24 755 113-S		Gasket Set

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler

* Not Illustrated

Maintenance Record

[illegible]

Maintenance Record

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Maintenance Record

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