



Z500

Z Master[®] with 52in TURBO FORCE Side Discharge Mower

Model No. 74242—240000001 and Up

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

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

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

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y**. The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number **37** are indicated.

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Accessories

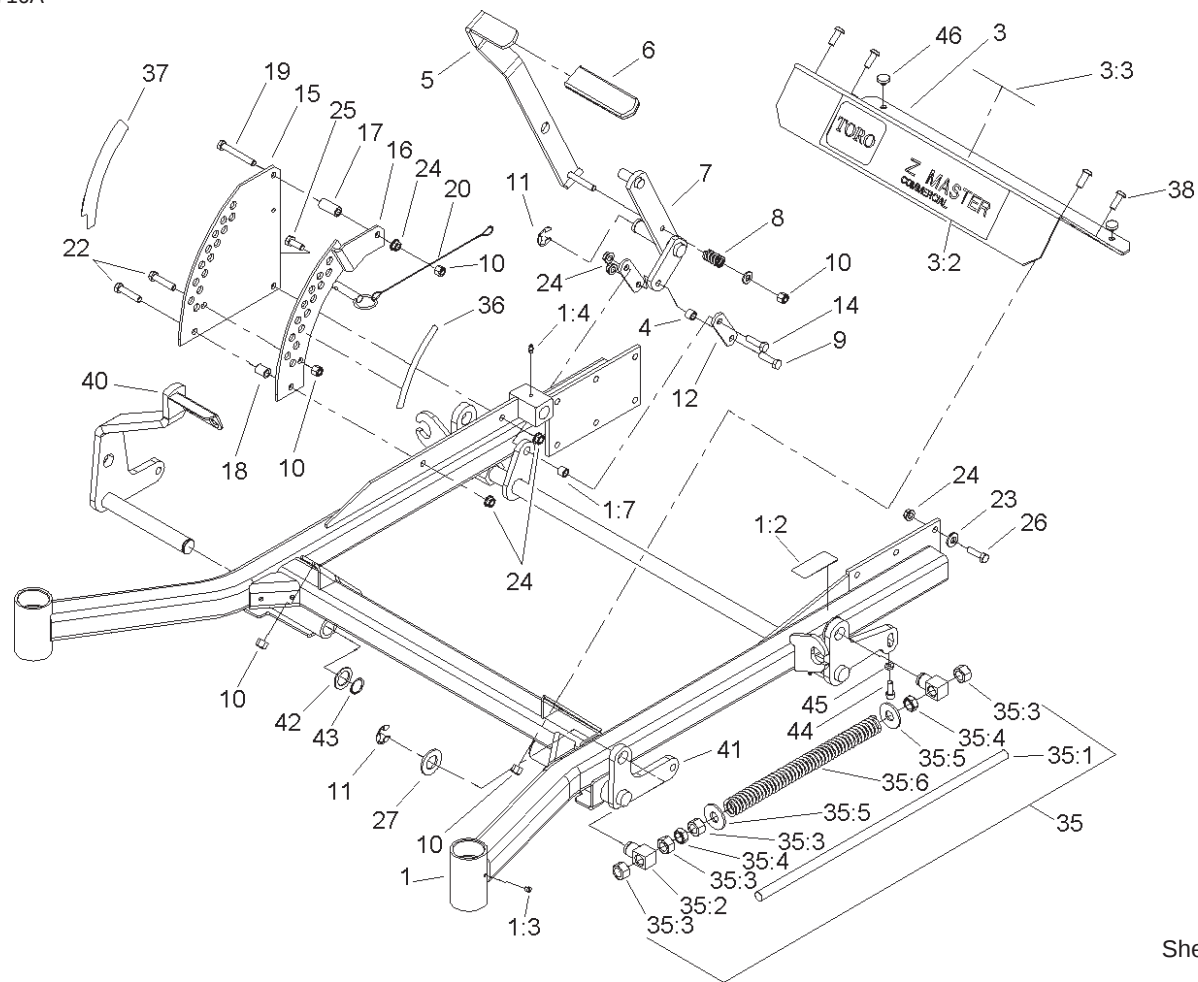
Description	Model / Part No.
Suspension Seat Kit	99–8522
Deck Lift Assist	100–4336
Hitch Kit	99–8925
Spark Arrester Kit	105–1672
Filter Minder	99–4664
Z–Stand Kit	105–1622

Description	Model / Part No.
Recycler Kit	107–1610
Blade–Hi Flow	105–7781–03
Blade–Recycler	105–7779–03
Blade–Mid Flow	105–7774–03
Blade–Low Flow	105–7795–03
Blade–Atomic	105–7796–03

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
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
HWHTF	hex washer head thread forming	WH	wing head



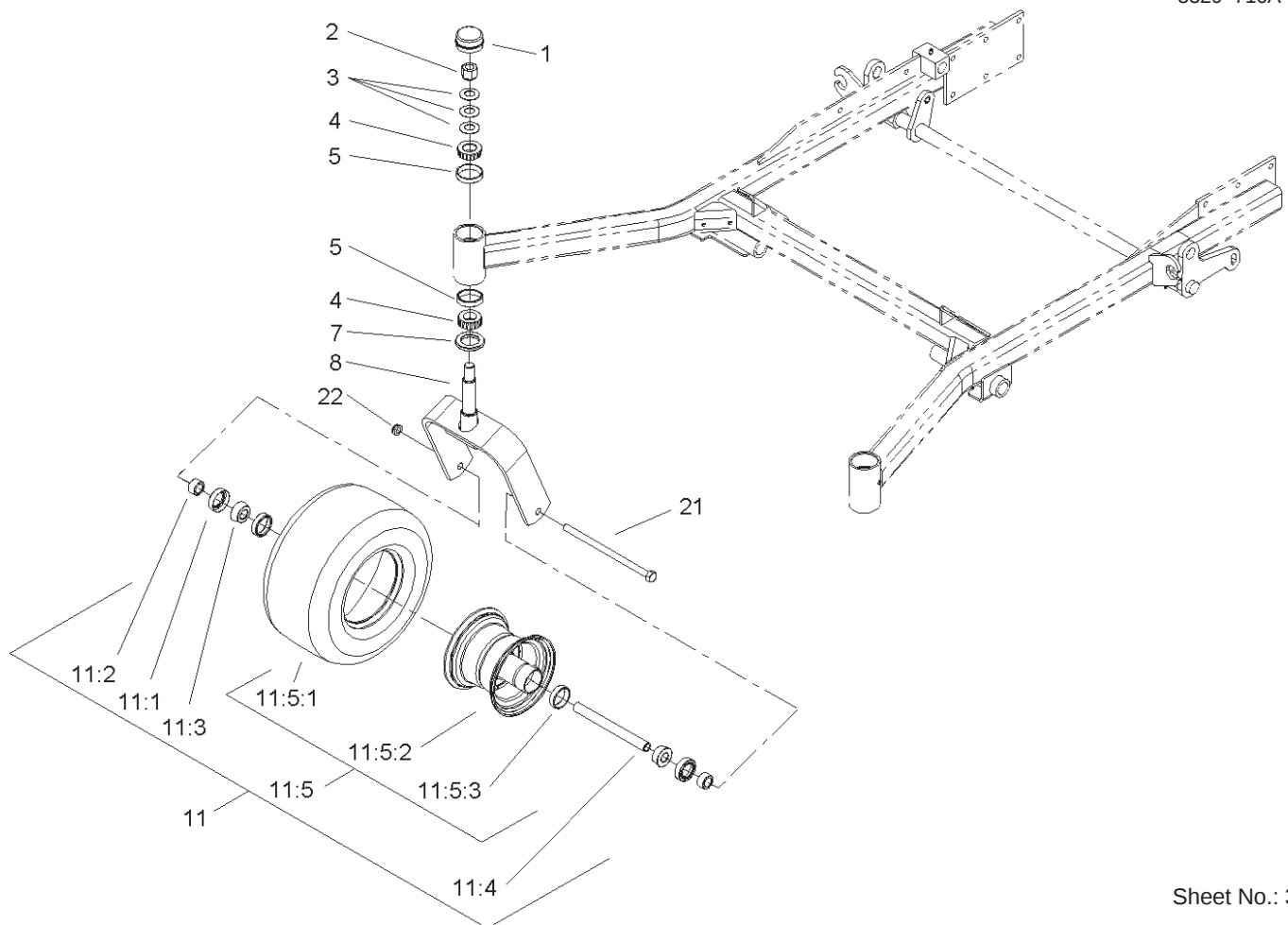
Sheet No.: 2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	106-8978	1	Frame ASM
1:2	107-1857	1	Decal-Brake, Parking
1:3	1-811010	2	Plug
1:4	302-19	5	Fitting-Grease
1:7	103-1918	1	Bushing
3	106-9981	1	Front Floorpan ASM
3:2	106-7451	1	Decal
3:3	107-2112	1	Decal-Warning, Slope Rops
4	103-1918	1	Bushing
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	9	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
18	1-633080	1	Bushing-Lever, Lift
19	323-13	1	Screw-HH
20	106-9951	1	Hitch Pin ASM
22	323-9	2	Screw-HH

Ref. No.	Part No.	Qty.	Description
23	98-5975	12	Washer-Belleville
24	3290-357	15	Nut-HHF
25	323-6	1	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	107-1861	1	Decal-Height, Deck
37	107-1860	1	Decal-Height, Deck
38	3274-94	4	Screw-HSBH
40	106-8983-01	1	RH Deck Lift ASM
41	106-8984-01	1	LH Deck Lift ASM
42	1-523157	2	Washer-Spacer
43	32151-29	2	Ring-Retaining
44	3274-18	2	Screw-HSH
45	3218-2	2	Nut-Jam
46	1-513658	2	Bumper

☆ Not serviced separately



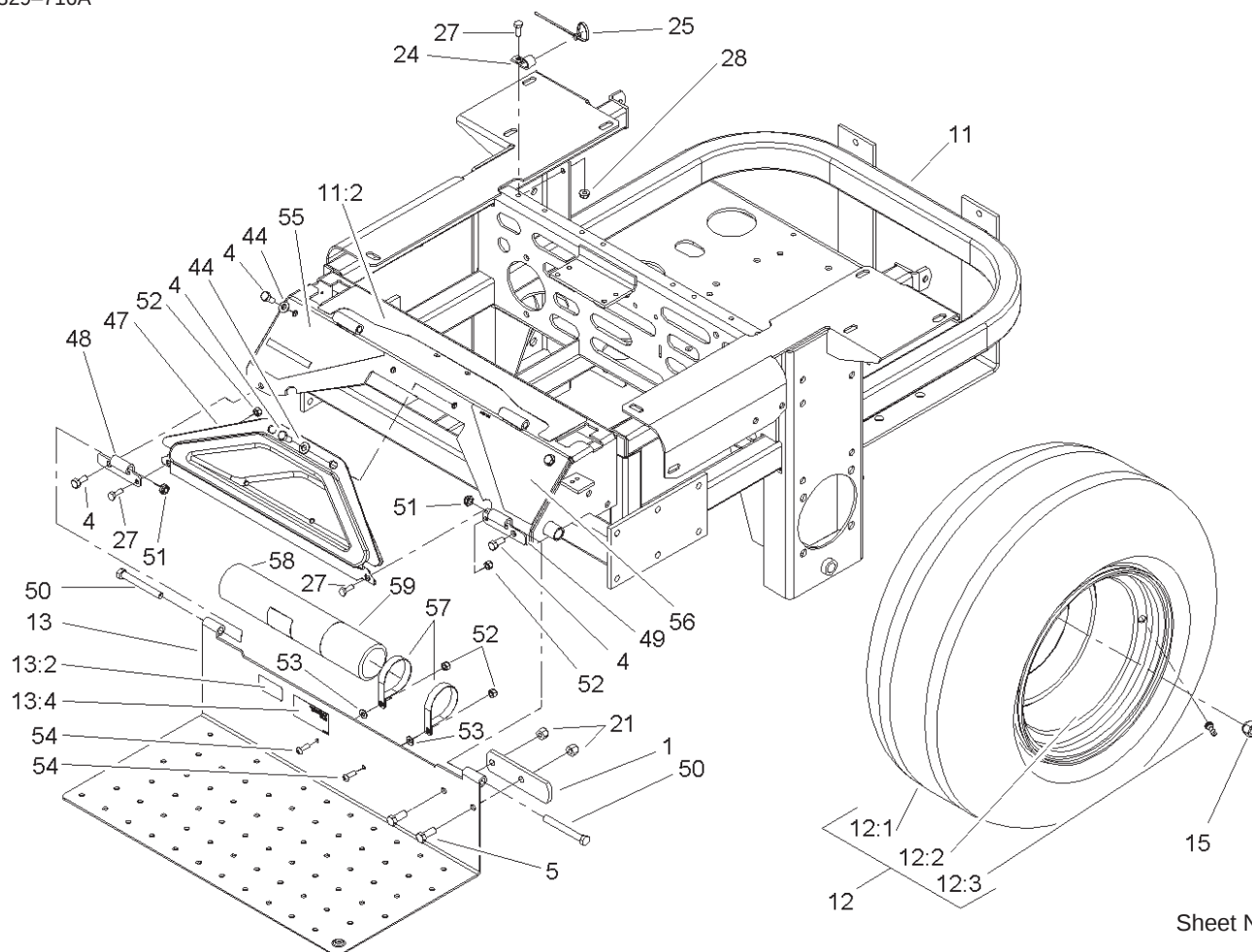
Sheet No.: 3

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-Bellville
4	254-94	4	Bearing-Cone, Taper
5	254-72	4	Bearing-Cup, Tapered
7	1-543511	2	Seal-Grease
8	1-642111-01	2	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
21	325-24	2	Screw-HH
22	3296-45	2	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

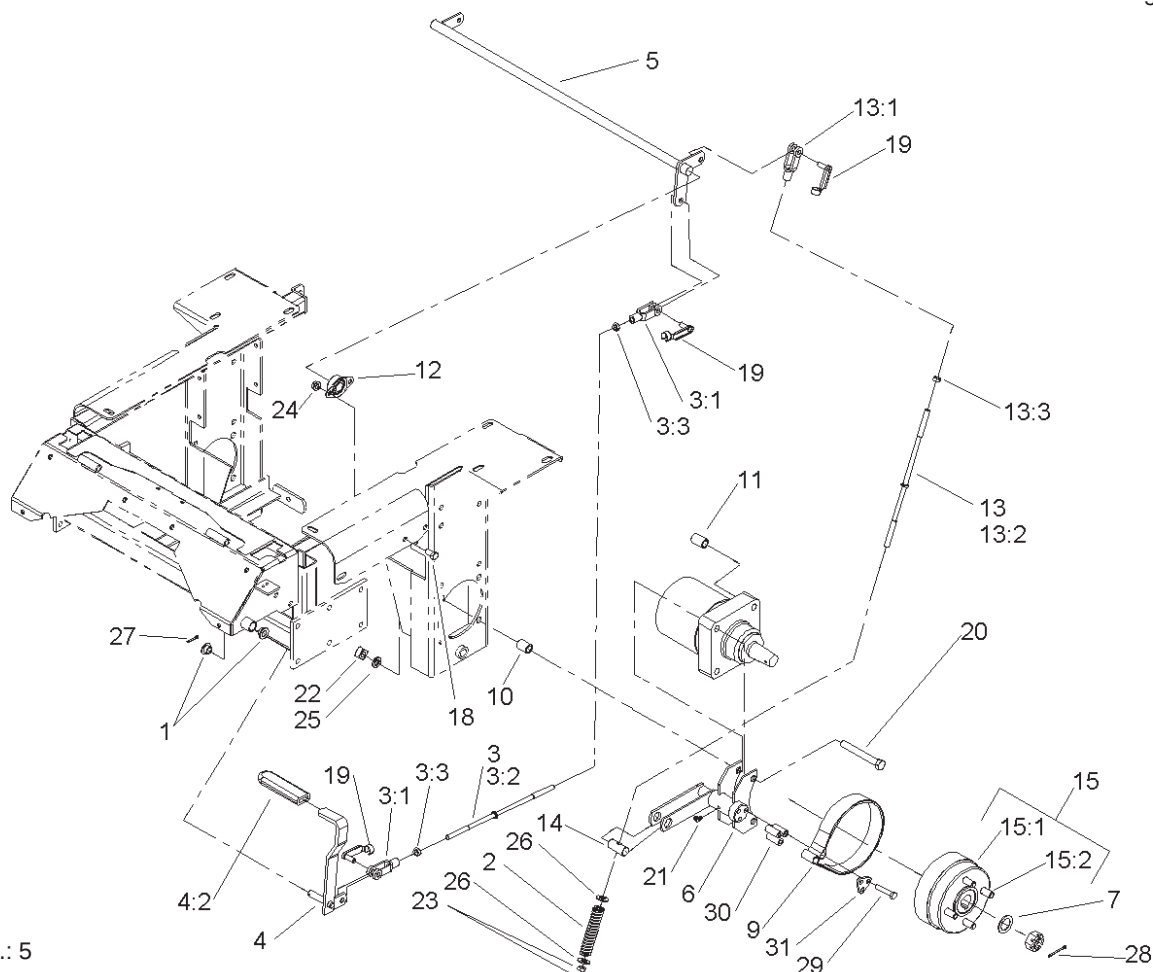


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Main Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	1-633964-03	1	Stop-Brake, Park
4	322-43	6	Screw-HH
5	323-6	2	Screw-HH
11	106-6599	1	Main Frame ASM
11:2	103-2433	1	Decal-Console, Top
12	1-653010	2	Wheel And Tire ASM
12:1	1-653160	1	Tire
12:2	1-653158	1	Wheel
12:3	232-27	1	Stem-Valve
13	107-1858	1	Rear Floorpan ASM
13:2	98-4387	1	Decal-Protection, Ear
13:4	107-1864	1	Decal-Location, Manual
15	242-50	8	Nut-Lug
21	3296-39	2	Nut-Lock, NI
24	1-513762	1	Clip-Loom
25	1-303335	1	Tie-Plastic
27	321-4	3	Screw-HH
28	32128-33	1	Nut-HF
44	3256-70	6	Washer-Flat
47	106-7498	1	Pocket
48	106-7488-03	1	Hinge-Floorpan, LH
49	106-7489-03	1	Hinge-Floorpan, RH
50	323-20	2	Screw-HH
51	3296-59	2	Nut-Lock, NI
52	3296-42	4	Nut-Lock, NI

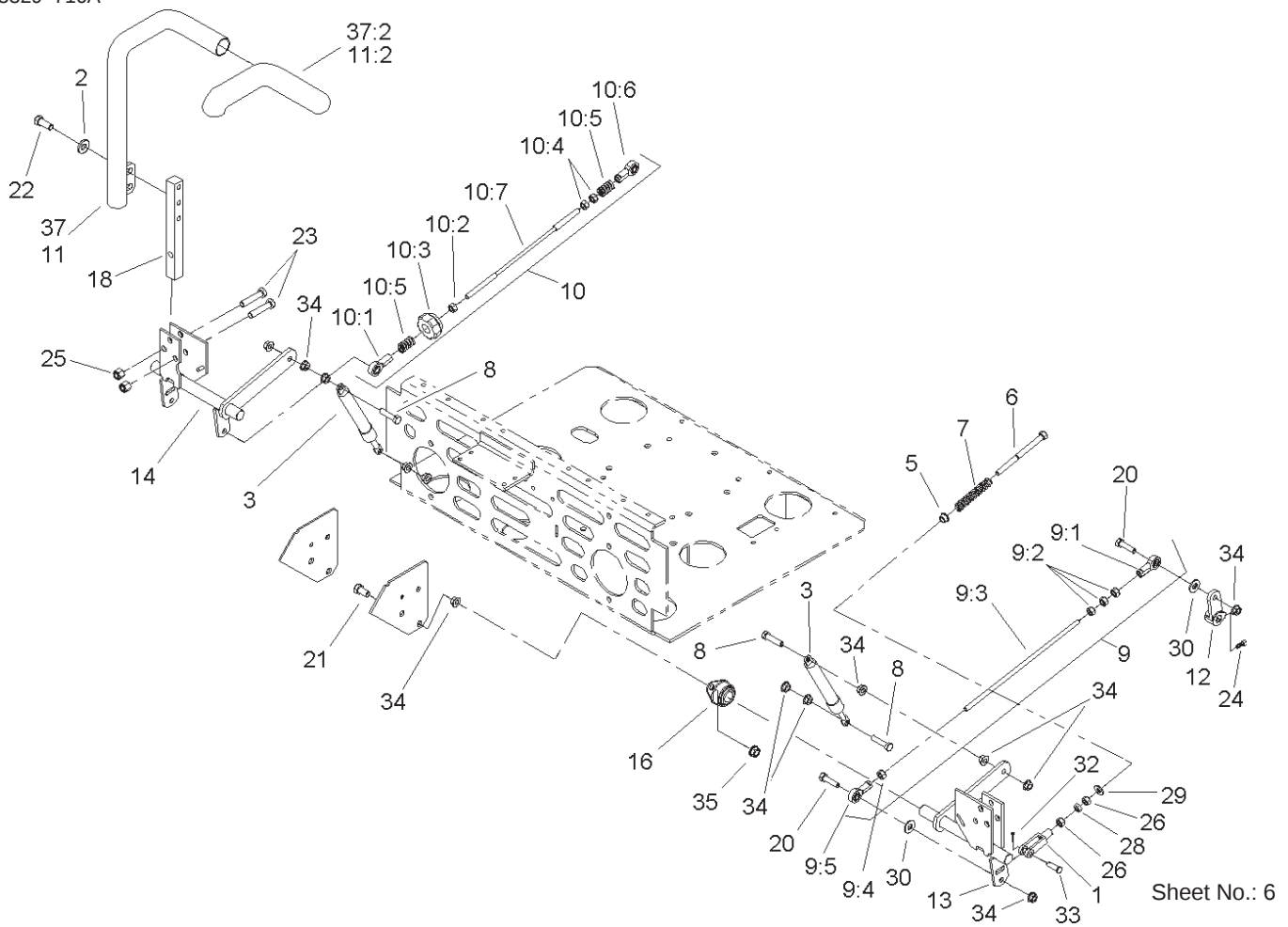
Ref. No.	Part No.	Qty.	Description
53	3256-63	2	Washer-Flat
54	3258-166	2	Screw
55	106-9989	1	Decal-Warning
56	106-7492	1	Decal-Danger
57	107-1865	2	R-Clamp
58	104-7050	1	Housing-Manual
59	104-7048	1	Cap-Housing



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Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1-513140	2	Bearing-Control	19	103-2399	4	Pin-Spring, Clevis
2	1-633454	2	Spring-Brake	20	325-17	8	Screw-HH
3	103-4332	1	Brake Rod And Yoke ASM	21	1481	2	Fitting-Grease
3:1	1-633131	2	Yoke-Linkage, Brake	22	103-0131	8	Nut-Square
3:2	1-633477	1	Rod-Brake	23	3219-3	4	Nut-HH
3:3	3219-3	2	Nut-HH	24	3290-357	4	Nut-HHF
4	1-634500	1	Brake Lever ASM	25	3253-7	8	Washer-Lock
4:2	1-633268	1	Grip-Lever, Brake	26	3256-4	4	Washer-Flat
5	1-632217-03	1	Shaft-Brake	27	3272-10	1	Pin-Cotter
6	103-0352-03	2	Bracket-Brake	28	1-806800	2	Pin-Cotter
7	1-523157	2	Washer-Spacer	29	322-9	6	Screw-HH
9	103-0355	2	Band-Brake	30	103-0384	6	Spacer
10	1-633380	4	Spacer-Wheel, Short	31	103-0374	2	Retainer-Band, Brake
11	1-633382	4	Spacer-Wheel, Long				
12	1-633102	2	Bearing-Flange, Side				
13	103-4333	2	Brake Rod And Yoke ASM				
13:1	1-633131	1	Yoke-Linkage, Brake				
13:2	1-633477	1	Rod-Brake				
13:3	3219-3	1	Nut-HH				
14	1-633144	2	Pin-Trunion				
15	103-0590	2	Hub-Wheel				
15:1	103-0589	1	Wheel Hub ASM				
15:2	1-633926	4	Stud-Wheel				
18	323-4	4	Screw-HH				

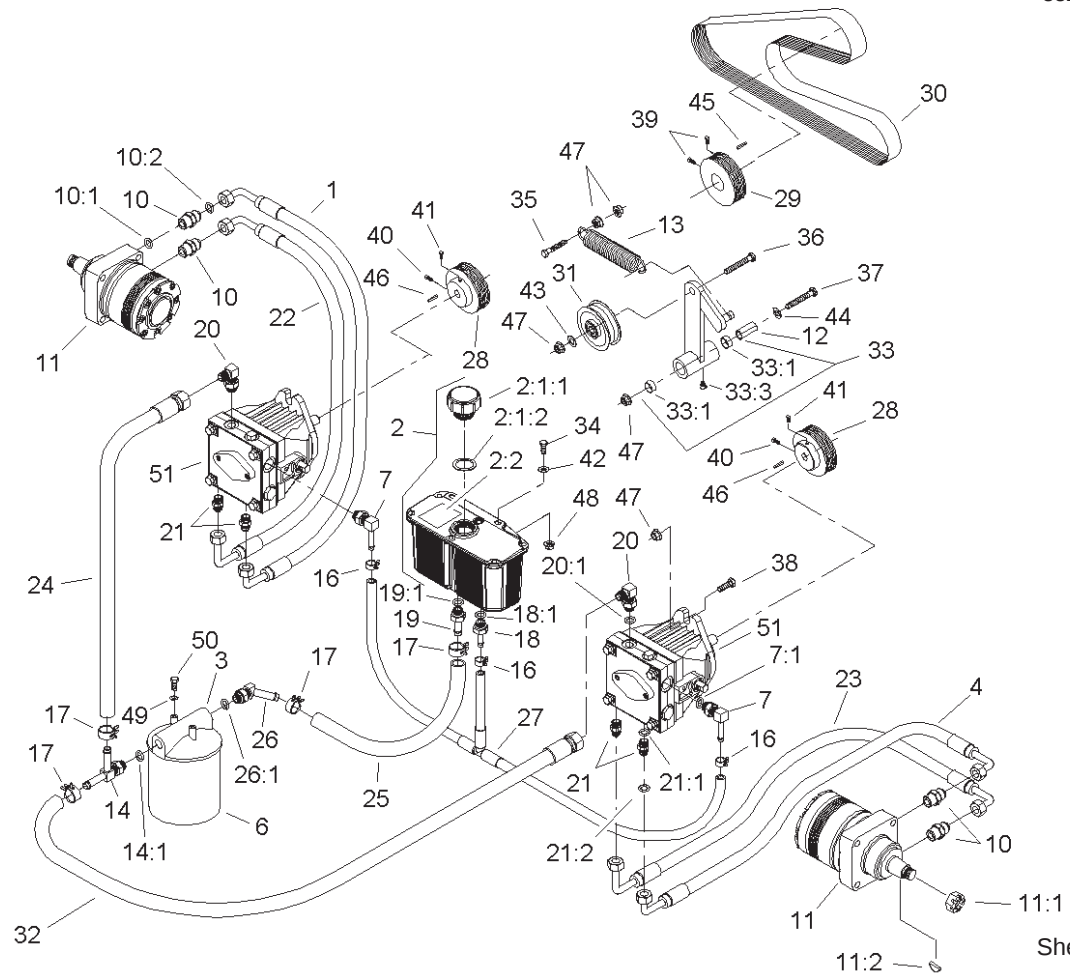


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Steering Control Assembly

Ref. No.	Part No.	Qty.	Description
1	1-303105	2	Yoke-Adjustable
2	98-5975	4	Washer-Belleville
3	103-4079	2	Damper-Motion Control
5	1-603735	2	Bushing-Flanged
6	1-603737	2	Bolt-Return, Neutral
7	1-603807	2	Spring-Return, Neutral
8	1-403180	4	Screw-HH
9	103-4331	1	Tracking Rod ASM
9:1	1-543017	1	Balljoint-RH
9:2	3219-2	3	Nut-Hex
9:3	103-3064	1	Link-Rod, Tracking
9:4	1-804524	1	Nut
9:5	1-633152	1	Balljoint-Thread, LH
10	103-4330	1	Tracking Rod ASM
10:1	1-543017	1	Balljoint-RH
10:2	3219-2	1	Nut-Hex
10:3	103-3060	1	Knob-Tracking
10:4	1-804524	2	Nut
10:5	1-323245	2	Spring-Compression
10:6	1-633152	1	Balljoint-Thread, LH
10:7	103-3064	1	Link-Rod, Tracking
11	106-9982	1	LH Lever ASM
11:2	106-9987	1	Grip-Control, Motion
12	1-632208	2	Arm-Control, Pump

Ref. No.	Part No.	Qty.	Description
13	103-4781	1	Control-Motion, LH
14	103-4782	1	Control-Motion, RH
16	1-633102	4	Bearing-Flange, Side
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-Set
25	3296-39	6	Nut-Lock, NI
26	3219-2	4	Nut-Hex
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-HHF
37	106-9983	1	RH Lever ASM
37:2	106-9987	1	Grip-Control, Motion

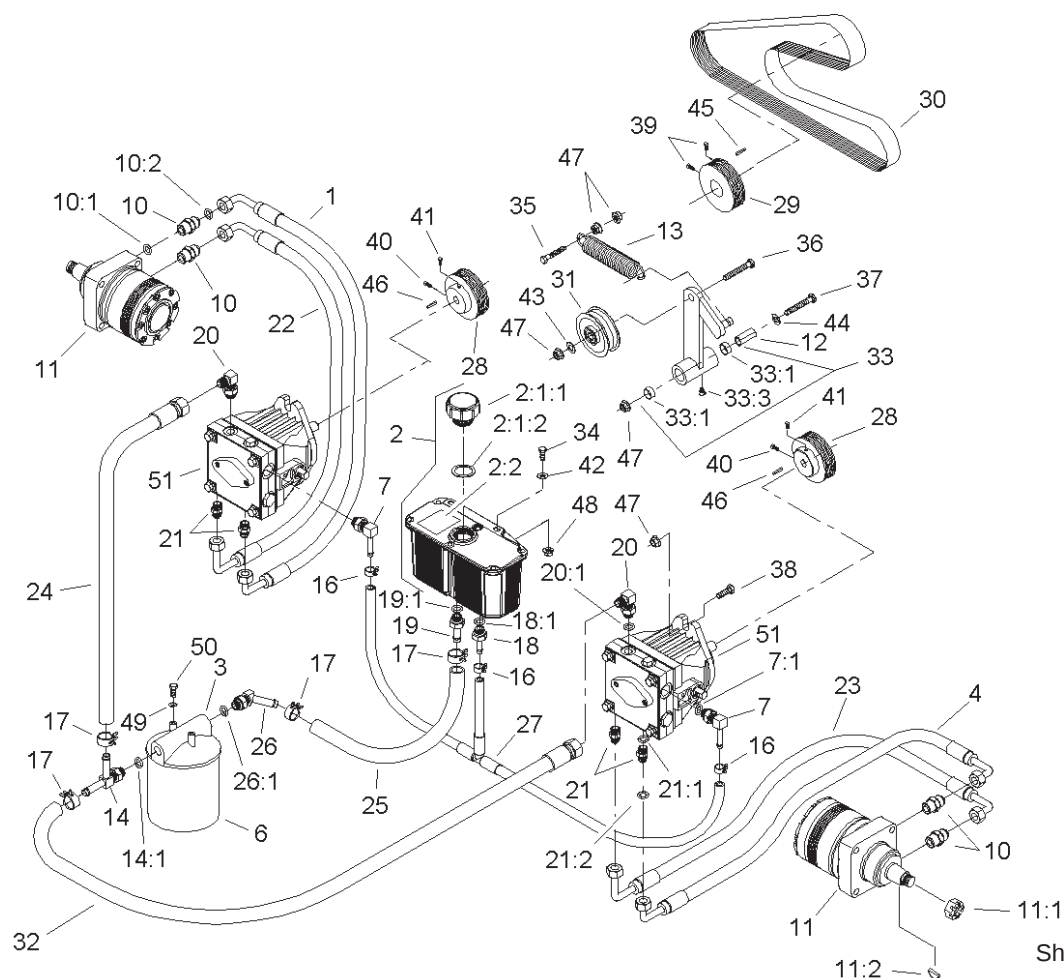


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Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	103-3736	1	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	103-1948	1	Cap-Reservoir, HYD	19	103-1912	1	Adapter-Straight
2:1:2	103-1949	1	Gasket-Cap	19:1	237-42	1	O-Ring
2:2	1-523552	1	Decal-Tank, HYD	20	103-1802	2	Fitting-HYD, 90°
3	104-7836	1	Head-Filter	20:1	237-42	1	O-Ring
4	103-3733	1	HYD Hose ASM	21	1-603990	4	Fitting-Straight
6	1-633750	1	Filter-HYD	21:1	237-79	1	O-Ring
6	1-633752	1	Filter-HYD, Winter	21:2	1-603992	1	O-Ring
7	103-1799	2	Elbow-90°	22	103-3737	1	HYD Hose ASM
7:1	237-42	1	O-Ring	23	103-3735	1	HYD Hose ASM
10	1-603991	4	Fitting-Straight	24	103-1826	1	HYD Hose ASM
10:1	237-80	1	O-Ring	25	103-1808	1	Hose-HYD
10:2	1-603992	1	O-Ring	26	103-1807	1	Elbow-45°
11	1-523328	2	Motor-Wheel	26:1	237-42	1	O-Ring
11:1	1-809036	1	Nut-HH	27	103-1806	1	HYD Hose ASM
11:2	3257-42	1	Key-Woodruff	28	1-633568	2	Sheave
*11:99	1-000099	1	Seal Kit	29	1-633567	1	Sheave
*11:99	1-000139	1	Bearing Kit	30	1-633749	1	Belt-Drive, Pump
*11:99	103-2748	1	Drive Link Kit	31	1-633167	1	Sheave-Idler
12	1-603384	1	Bushing-Pivot, Idler	32	103-1827	1	HYD Hose ASM
13	103-3330	1	Spring-Extension	33	1-634277	1	Bearing Arm ASM
14	103-1828	1	Adapter-Run, Tee	33:1	1-513034	2	Sleeve-Bearing
14:1	237-42	1	O-Ring	33:3	302-40	1	Fitting-Grease
16	103-1716	3	Clamp-Hose	34	321-6	2	Screw-HH
17	103-1988	4	Clamp-Hose	35	323-8	1	Screw-HH

* Not illustrated



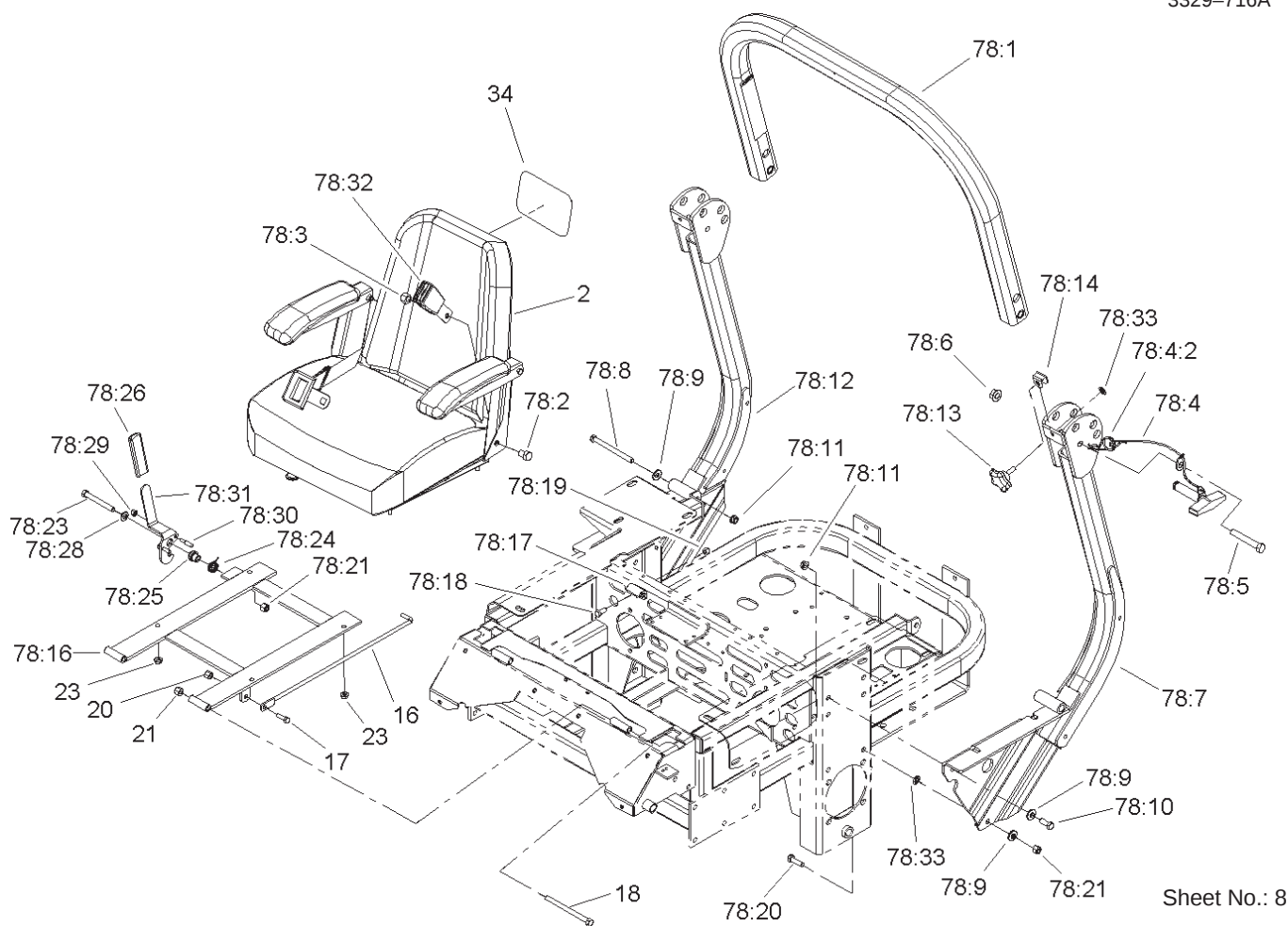
Sheet No.: 7

Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
36	323-9	1	Screw-HH
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

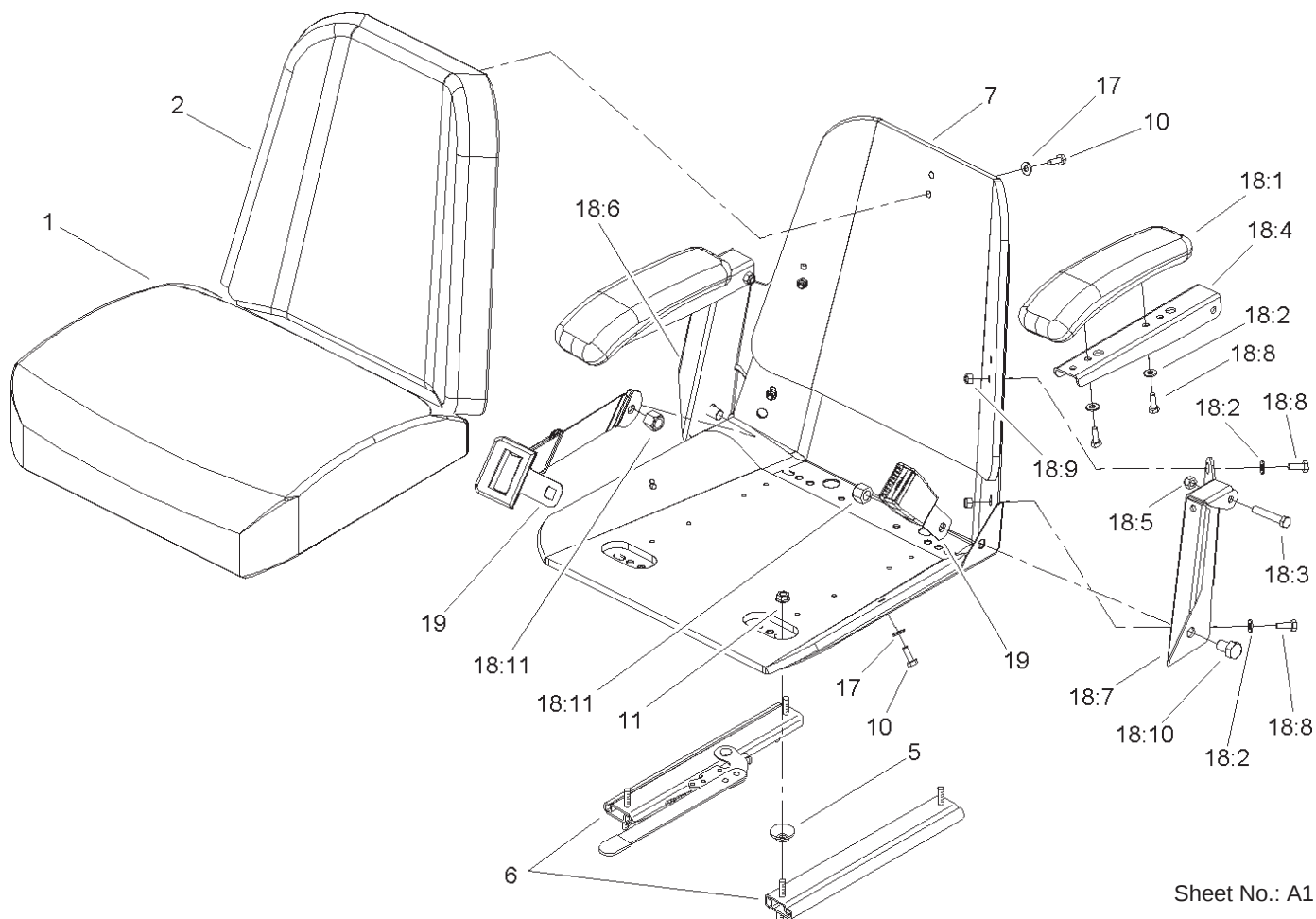
* Not illustrated



Seat and Roll-Over-Protection-System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	107-1867	1	Seat ASM	78:18	322-3	2	Screw-HH
16	1-633293	1	Rod-Holdup, Seat	78:19	3296-29	2	Nut-Lock, NI
17	322-5	1	Screw-HH	78:20	323-7	2	Screw-HH
18	323-39	2	Screw-HH	78:21	3296-39	3	Nut-Lock, NI
20	3296-29	3	Nut-Lock, NI	78:23	323-20	1	Screw-HH
21	3296-39	5	Nut-Lock, NI	78:24	107-0076	1	Spring-Torsion
23	32128-20	4	Nut-HF	78:25	107-0075	1	Bushing-Latch, Seat
34	99-4693	1	Decal	78:26	62-9130	1	Grip-Handle
78	107-0038	1	Rops	78:28	3256-24	1	Washer-Flat
☆78:1		1	Upper Tube ASM	78:29	3296-42	2	Nut-Lock, NI
78:2	3212-4	2	Screw-HH	78:30	107-0095	2	Pin
78:3	3296-7	2	Nut-Lock NI	78:31	107-0094	1	Latch
78:4	107-3060	2	Pin Latch ASM	78:32	103-4317	1	Belt-Seat
78:4:2	107-3155	1	Hairpin	78:33	107-3154	4	Nut-Push
78:5	325-13	2	Screw-HH				
78:6	32128-23	2	Nut-HF				
☆78:7		1	LH Rops ASM				
78:8	323-23	2	Screw-HH				
78:9	98-5975	8	Washer-Belleville				
78:10	323-6	4	Screw-HH				
78:11	3290-357	6	Nut-HHF				
☆78:12		1	RH Rops ASM				
78:13	106-0887	2	Knob				
78:14	107-3124	2	Clip				
78:16	107-3052-03	1	Frame-Seat Support				
78:17	107-3058	1	Catch-Latch, Seat				

☆ Not serviced separately

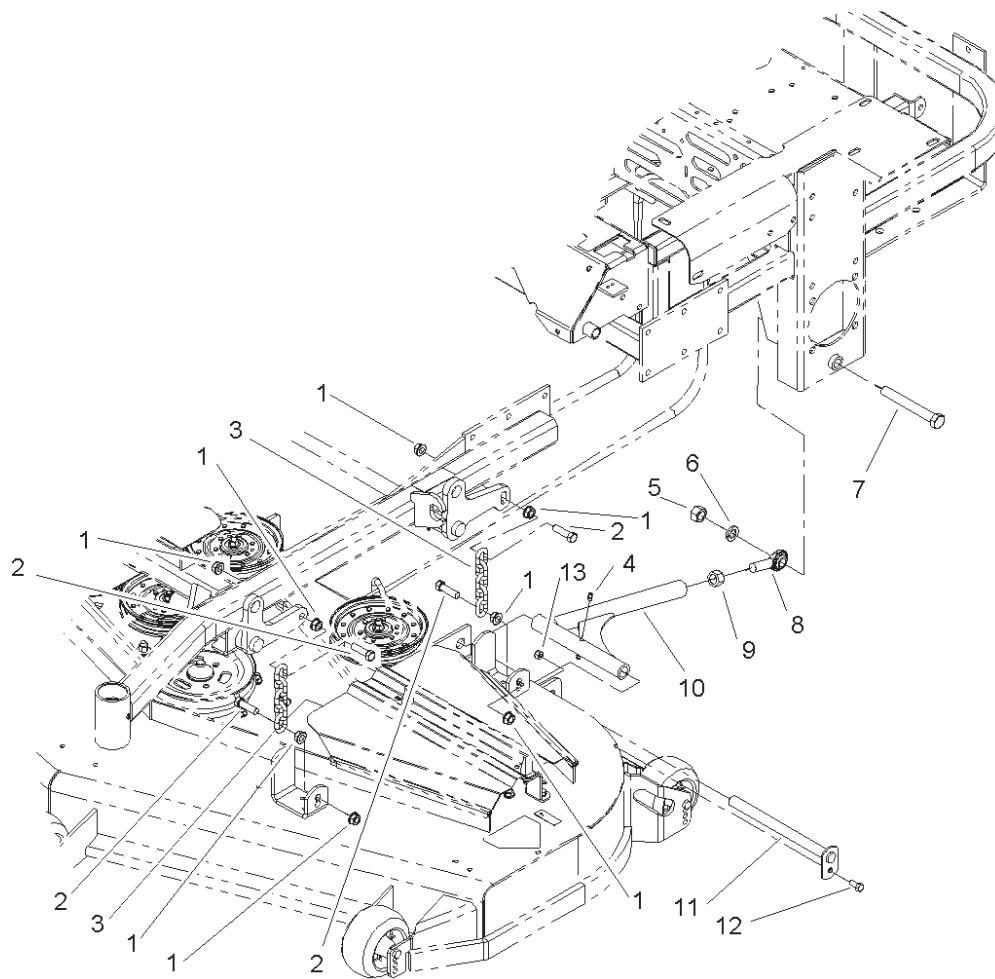


Sheet No.: A1

Seat Assembly No. 107-1867

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	321-30	11	Screw-HH
11	32128-20	4	Nut-HF
17	3256-22	11	Washer-Flat
18	105-3620	1	Armrest Kit
18:1	1-633710	2	Cushion-Armrest
18:2	3256-22	4	Washer-Flat
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	4	Nut-Lock, NI
18:10	325-2	2	Screw-HH
18:11	3296-23	2	Nut-Lock, NI
19	103-4317	1	Belt-Seat

Ref. No.	Part No.	Qty.	Description

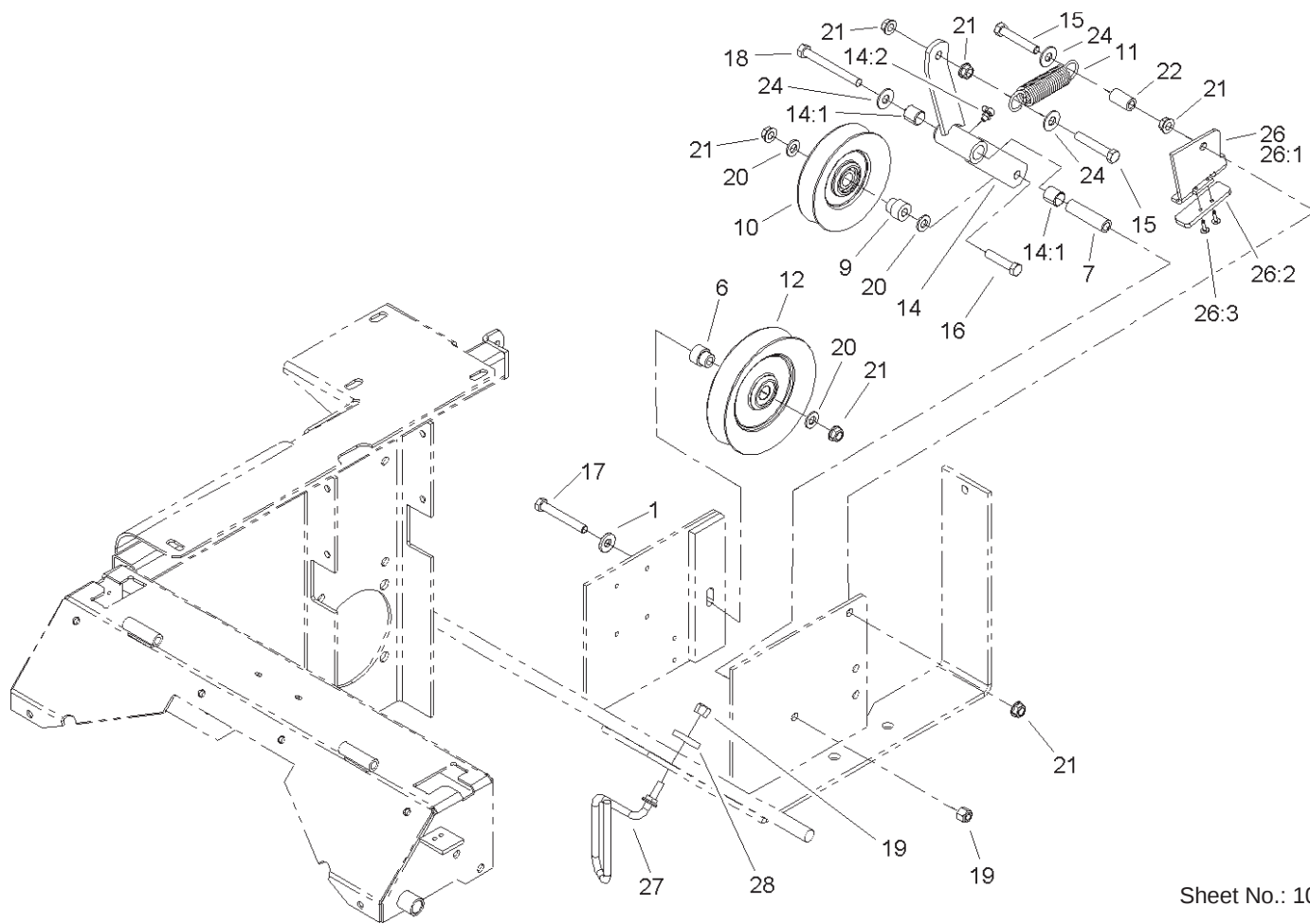


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Deck Connection Assembly

Ref. No.	Part No.	Qty.	Description
1	32128-37	16	Nut-HF
2	1-800811	8	Screw-Cap, 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
11	1-632199-01	2	Pin-Strut
12	322-3	2	Screw-HH
13	3296-29	2	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

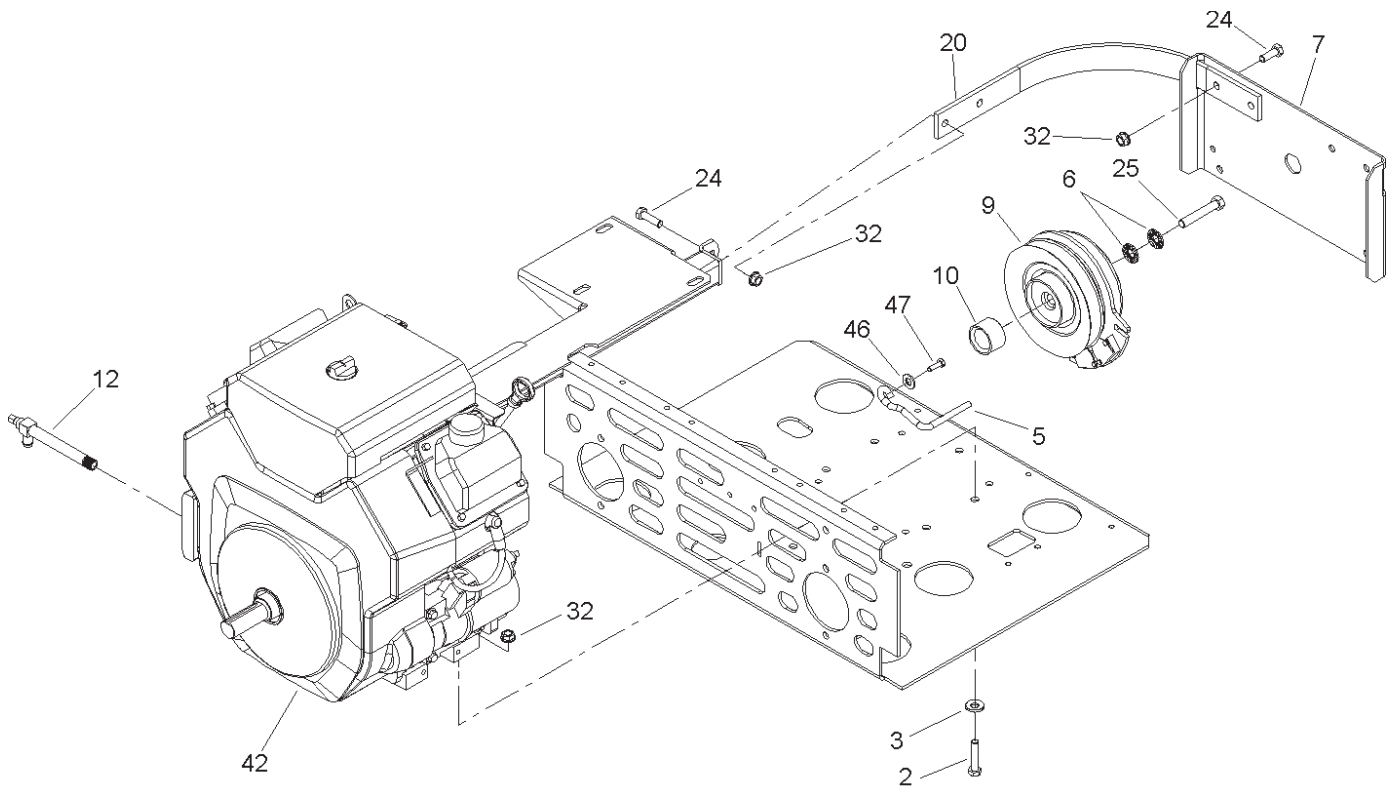


Sheet No.: 10

Drive Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	98-5975	1	Washer-Belleville
6	103-2627	1	Bushing-Idler
7	1-603384	1	Bushing-Pivot, Idler
9	1-603496	1	Bushing-Idler
10	99-4638	1	Idler
11	1-603402	1	Spring-Extension
12	1-633166	1	Pulley-Idler
14	103-3147	1	Arm ASM
14:1	1-513034	2	Sleeve-Bearing
14:2	302-40	1	Fitting-Grease
15	323-12	2	Screw-HH
16	323-9	1	Screw-HH
17	323-13	1	Screw-HH
18	1-800805	1	Screw-HH
19	3296-39	2	Nut-Lock, NI
20	3256-24	3	Washer-Flat
21	3290-357	6	Nut-HHF
22	1-603401	1	Spacer-Fender
24	3256-4	3	Washer-Flat
26	106-3271	1	Travel Limiter ASM
26:1	106-3228-03	1	Plate-Limiter, Pulley
26:2	106-3229	1	Pad-Bumber
26:3	3269-24	2	Rivet
27	105-7772	1	Guide-Belt
28	112843	1	Washer

Ref. No.	Part No.	Qty.	Description

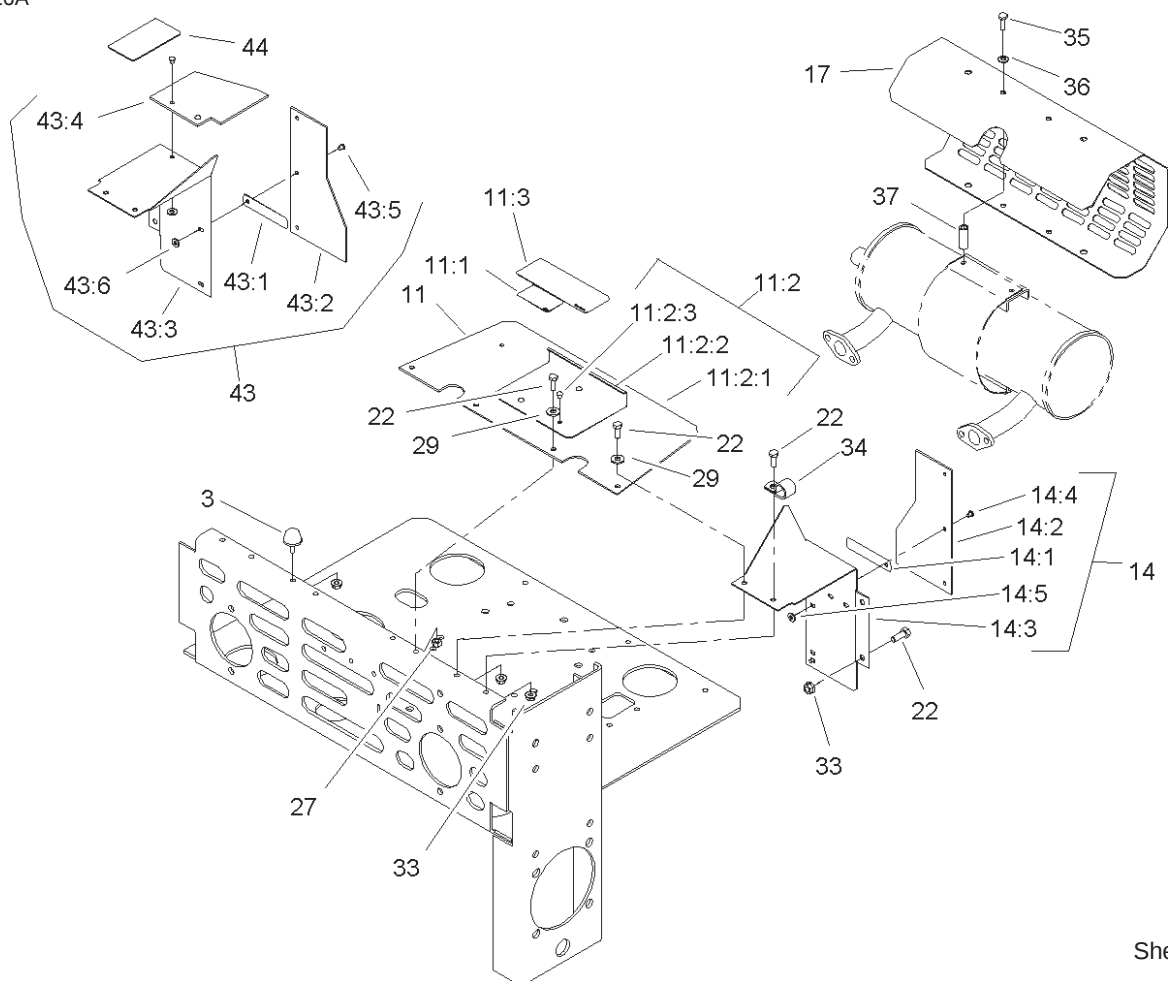


Sheet No.: 12

Engine and Clutch Assembly

Ref. No.	Part No.	Qty.	Description
2	323-9	4	Screw-HH
3	98-5975	4	Washer-Belleville
5	52-4780	1	Rod-Belt
6	1-603610	2	Washer-Spring
7	1-633615-03	1	Guard-Clutch
9	103-3131	1	Clutch, Magstop 200
10	1-633453	1	Spacer-Clutch
12	103-1996	1	Valve-Oil Drain, Long
20	1-643264-03	2	Bracket-Guard, Top
24	323-6	6	Screw-HH
25	3212-10	1	Screw-HH
32	3290-357	8	Nut-HHF
☆42		1	Engine-Kohler, Ch20s-64684
46	3256-24	1	Washer-Flat
47	323-4	1	Screw-HH

☆ Not serviced separately

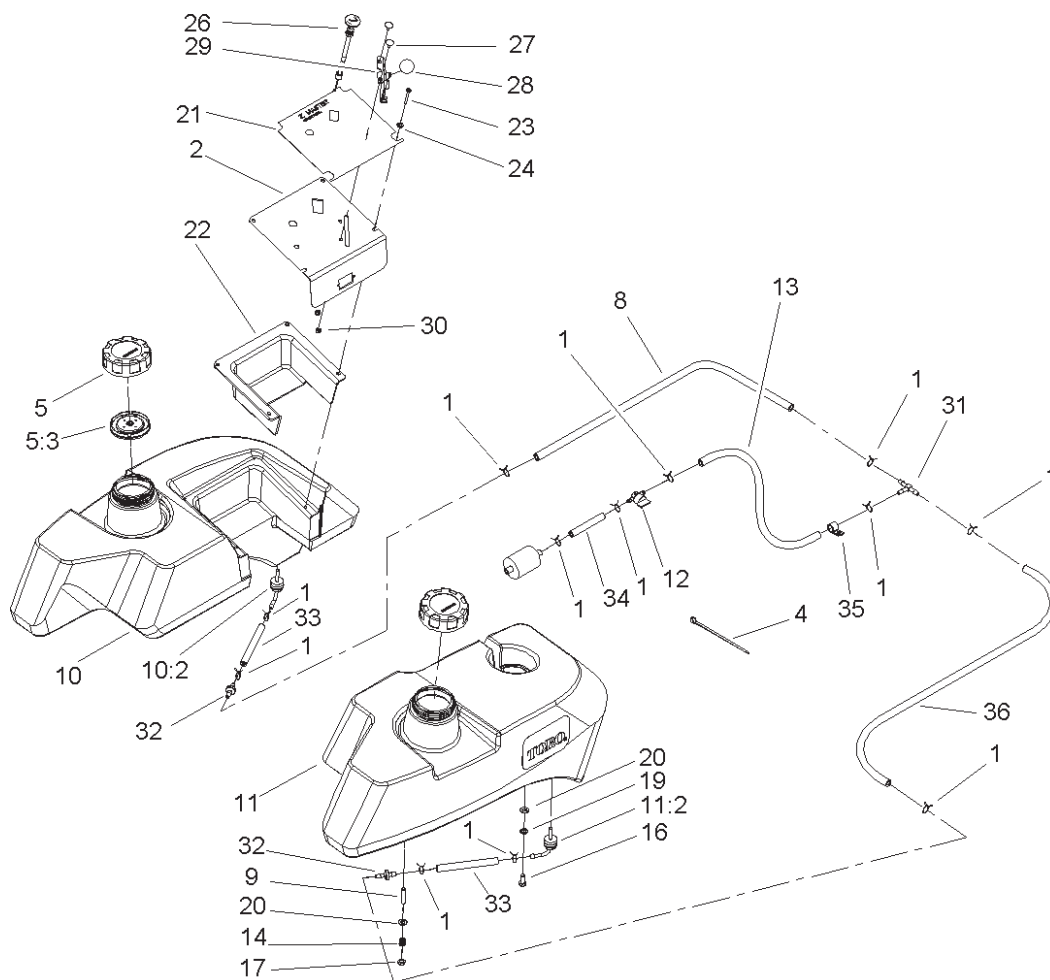


Sheet No.: 13

Guard Assembly

Ref. No.	Part No.	Qty.	Description
3	1-523420	2	Bumper
11	1-644276	1	Shield ASM
11:1	1-633462	1	Decal-Important
11:2	1-634308	1	Shield/Lift ASM
11:2:1	103-1308	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
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

Ref. No.	Part No.	Qty.	Description
43:1	1-523285	1	Clip-Baffle, Rear
43:2	1-633301	1	Shield-Engine
43:3	1-633794-03	1	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

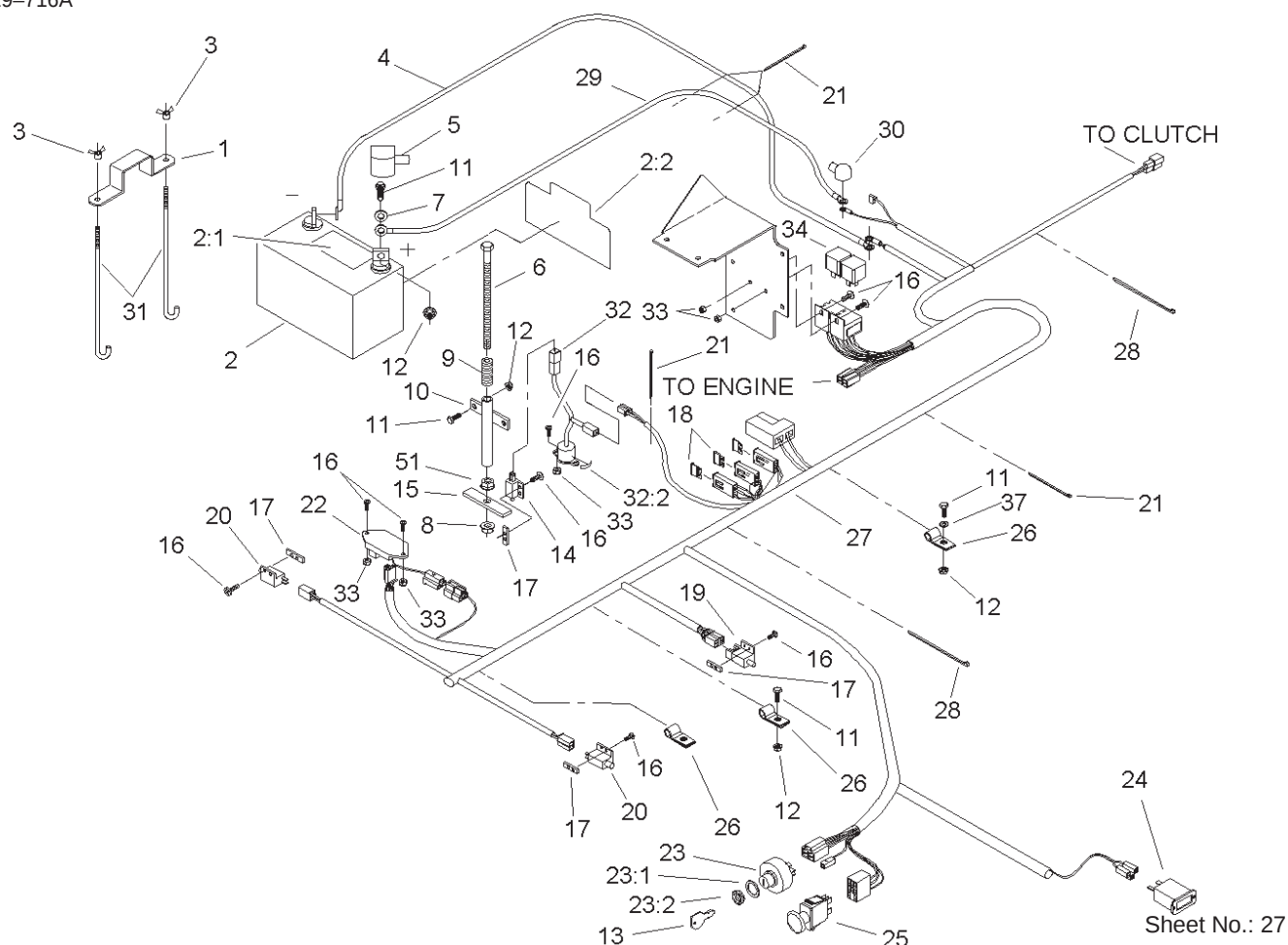


Sheet No.: 22

Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	1-303077	13	Clamp
2	106-9966-03	1	Panel-Control
4	1-303335	4	Tie-Plastic
5	88-3980	2	Gas Cap ASM
5:3	88-4010	1	Gasket-Cap, Gas
8	94-7420	2	Hose-Fuel
9	1-633023	6	Stud
10	106-9980	1	LH Fuel Tank ASM
10:2	103-2605	1	Fitting-Fuel, Bulkhead
11	106-9979	1	RH Fuel Tank ASM
11:2	103-2605	1	Fitting-Fuel, Bulkhead
12	1-603770	1	Valve-Fuel
13	107-2119	1	Hose-Fuel
14	1-633349	6	Spring-Tank, Fuel
16	322-3	2	Screw-HH
17	3296-47	6	Nut-Lock, NI
19	1-805005	2	Washer-Lock
20	3256-23	8	Washer-Flat
21	106-9969	1	Decal-Panel, Control
22	99-4940	1	Shield-Panel, Control
23	1-803071	4	Screw
24	1-303435	4	Washer-Spring
26	106-9962	1	Control-Choke, Push/Pull
27	1-807513	2	Bolt-CARR
28	1-513592	1	Knob-Ball

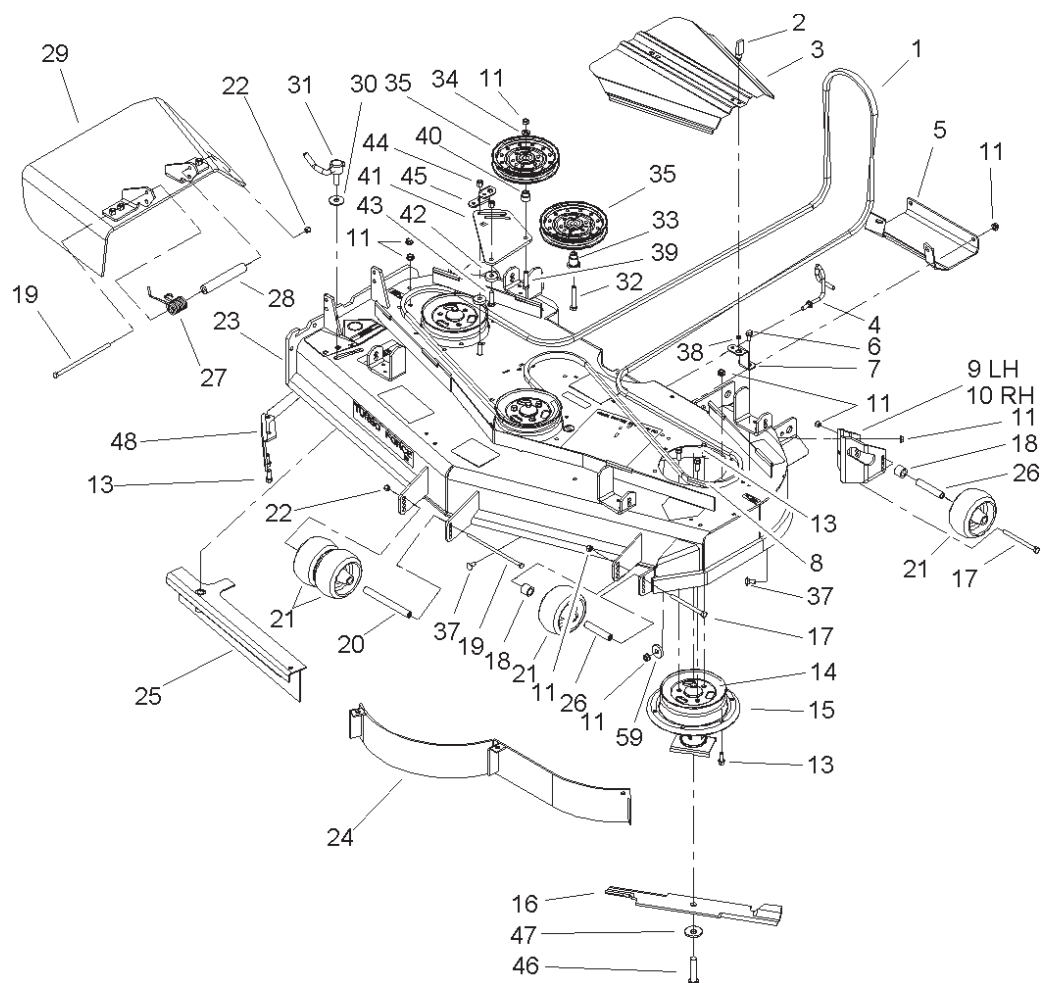
Ref. No.	Part No.	Qty.	Description
29	1-633696	1	Cable-Throttle
30	3296-2	2	Nut-Lock
31	99-5005	1	Fitting-Tee, Barbed
32	99-5000	2	Valve-Check, Fuel
33	99-7190	2	Hose-Fuel
34	105-8342	1	Hose-Fuel
35	1-513762	1	Clip-Loom
36	1-543526	1	Hose-Fuel



Electrical System Assembly

Ref. No.	Part No.	Qty.	Description
1	1-633652-03	1	Strap-Holddown
2	105-1692	1	Battery
2:1	104-4163	1	Decal-Battery
2:2	104-4164	1	Decal-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	3296-29	1	Nut-Lock, NI
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

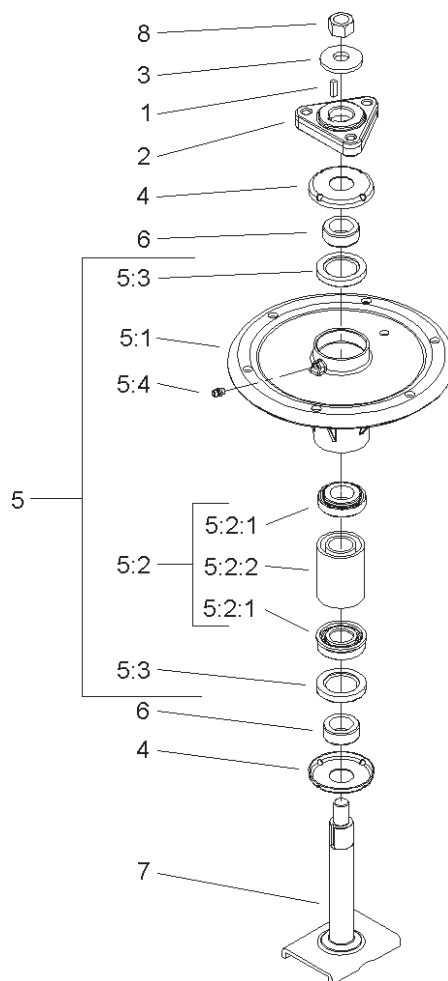
Ref. No.	Part No.	Qty.	Description
23	88-9830	1	Key Switch ASM
23:1	3254-5	1	Washer-Tooth
23:2	218-461	1	Nut-HH
24	1-513374	1	Meter-Hour
25	1-633673	1	Switch-Delta
26	1-633396	3	Clip-Loom
27	106-7497	1	Harness-Wire
28	1-303335	2	Tie-Plastic
29	1-523281	1	Wire-Starter
30	1-543393	1	Insulator-Solenoid
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
37	3256-22	1	Washer-Flat
51	3217-6	1	Nut-Hex



Sheet No.: 0

Deck Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	105-7790	1	Belt	27	104-8554	1	Spring-Torsion
2	74-5950	4	Latch-Swell	28	105-4622	1	Spacer
3	105-8786-01	2	Cover-Belt	29	106-3249	1	Rubber Deflector ASM
4	106-3220	1	Guide-Wire	30	105-7697	1	Washer-Plastic
5	106-7358-01	1	Plate-Skid	31	106-3242	1	Lever ASM
6	32144-70	4	Screw-HH	32	323-12	2	Screw-HH
7	105-8787-01	3	Bracket-Cover	33	106-3214	2	Support-Pulley
8	105-7699	8	Seal-Strip	34	3256-24	3	Washer-Flat
9	106-7354-01	1	Plate-Roller, LH	35	1-633109	3	Idler-Flat
10	106-7355-01	1	Plate-Roller, RH	37	3231-1	10	Screw-CARR
11	3290-357	42	Nut-HHF	38	99-3058	4	Washer
13	95-1726	33	Screw-Taptite	39	323-9	1	Screw-HH
14	105-7735	3	Pulley	40	1-603496	1	Bushing-Idler
15	106-3217	3	Spindle ASM	41	105-7787-01	1	Plate-Idler
16	105-7781	3	Blade-High Flow	42	105-7788	2	Spacer
17	323-23	3	Screw-HH	43	3231-4	2	Screw-CARR
18	98-7913	3	Tube-Spacer	44	3296-39	2	Nut-Lock, NI
19	322-50	2	Screw-HH	45	105-7789-01	1	Bracket-Cover, Belt
20	98-5967	1	Spacer	46	103-0862	3	Screw-Cap
21	1-603299	5	Roller-Anti Scalp	47	103-0865	3	Washer-Blade Bolt, Heavy
22	3296-29	2	Nut-Lock, NI				
23	107-1623	1	52in Deck ASM	48	106-3216-01	1	Baffle-Discharge
24	105-7754-01	1	Baffle ASM-Welded (Red)	59	112843	1	Washer
25	105-7755-01	1	Baffle ASM				
26	98-7912	3	Tube-Spanner				

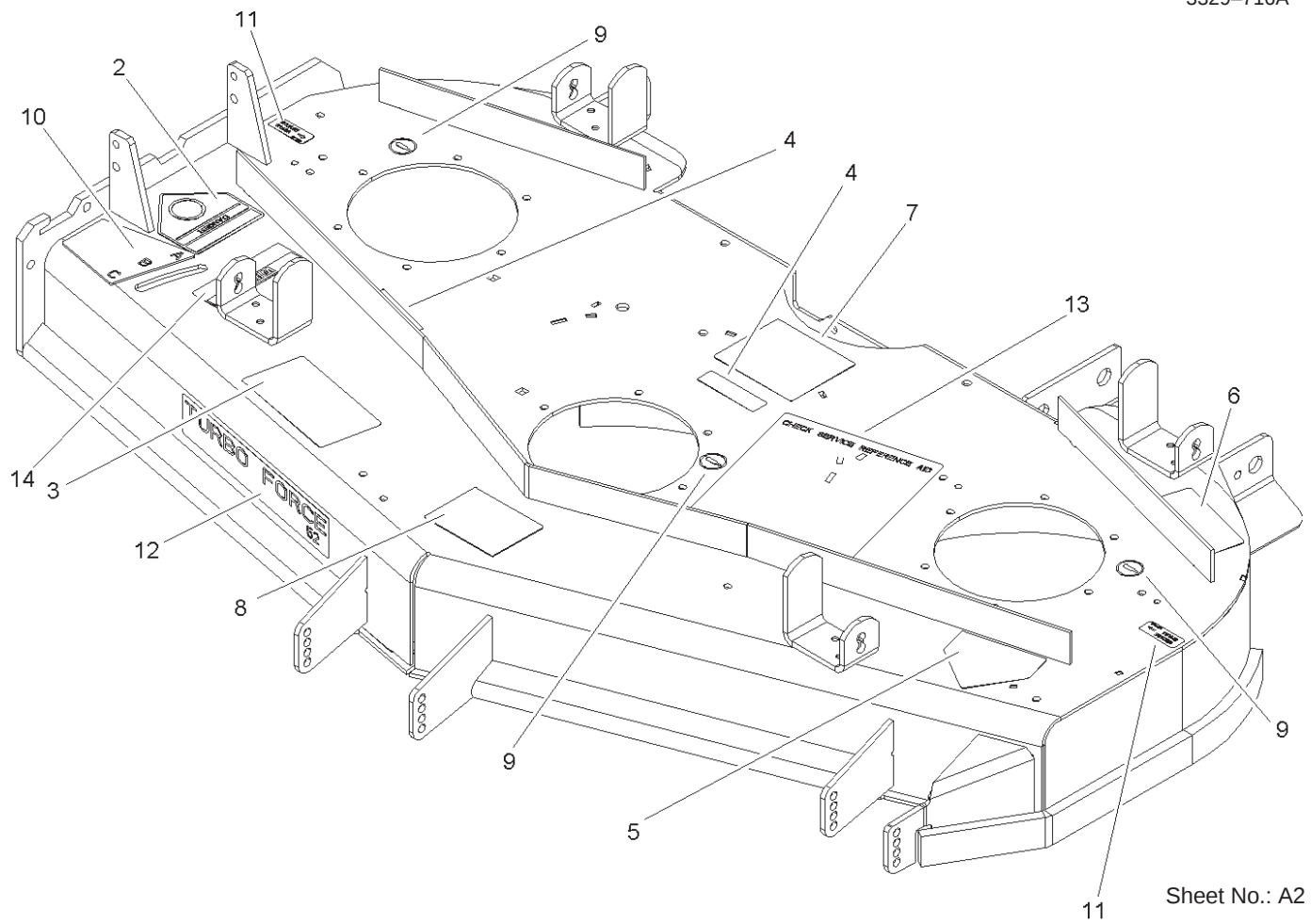


Sheet No.: A1

Spindle Assembly No. 106-3217

Ref. No.	Part No.	Qty.	Description
1	10-8040	1	Key-Square
2	106-3277	1	Hub-Pulley
3	103-0865	1	Washer-Blade Bolt, Heavy
4	106-3204	2	Shield-Bearing
5	107-1627	1	Spindle Bearing ASM
5:1	106-3211	1	Housing-Spindle
5:2	106-3207	1	Bearing ASM
5:2:1	27-0960	1	Bearing ASM
5:2:2	106-3206	1	Spacer-Set, Matched
5:3	253-133	2	Seal-Oil
5:4	302-5	1	Fitting-Grease
6	106-3218	2	Spacer-Seal
7	106-3233	1	Spindle Shaft ASM
8	3219-6	1	Nut-Hex

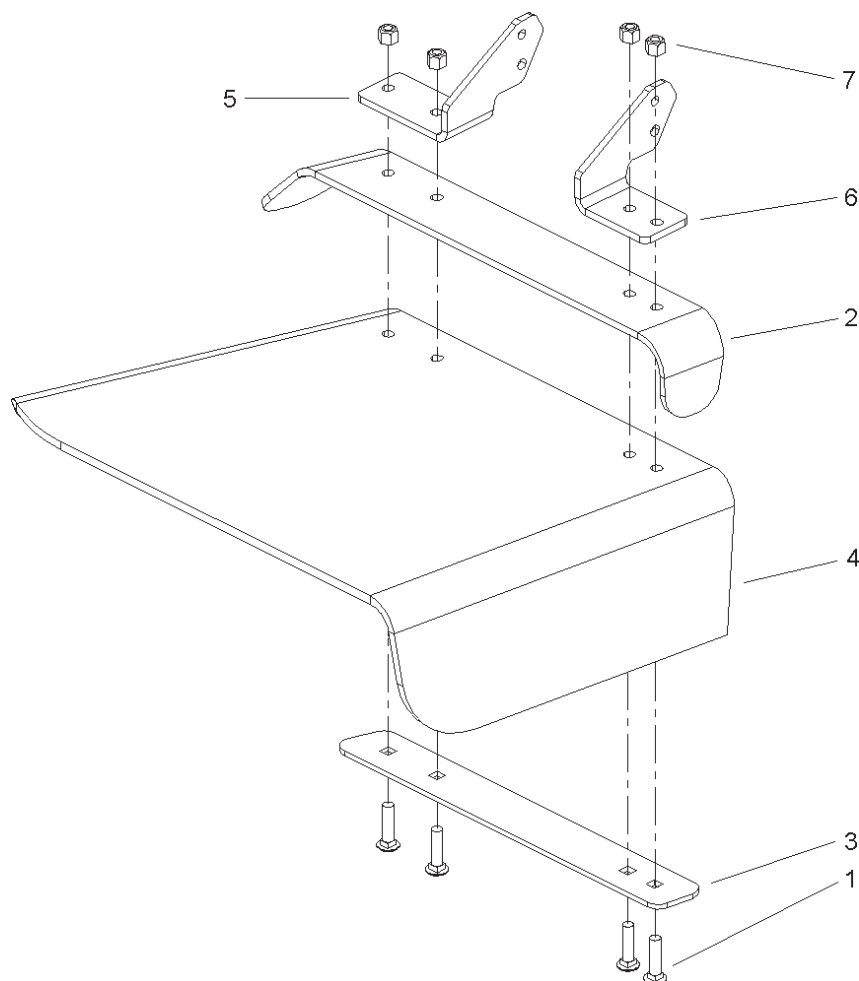
Ref. No.	Part No.	Qty.	Description



Deck Decal Assembly No. 107-1623

Ref. No.	Part No.	Qty.	Description
2	54-9220	1	Decal-Danger
3	66-1340	1	Decal-Danger
4	98-5954	3	Decal-Missing, Cover
5	43-8480	1	Decal-Danger
6	68-8340	1	Decal-Torque
7	105-7797	1	Decal-Routing, Belt
8	105-7798	1	Decal-Anti Scalp
9	58-6520	3	Decal-Grease
10	107-1622	1	Decal-Adjustment, Baffle
11	107-1613	2	Decal-Grease
12	107-1618	1	Decal-Turbo Force 52
13	107-1621	1	Decal-Service, Check
14	104-8569	1	Decal-Warning

Ref. No.	Part No.	Qty.	Description

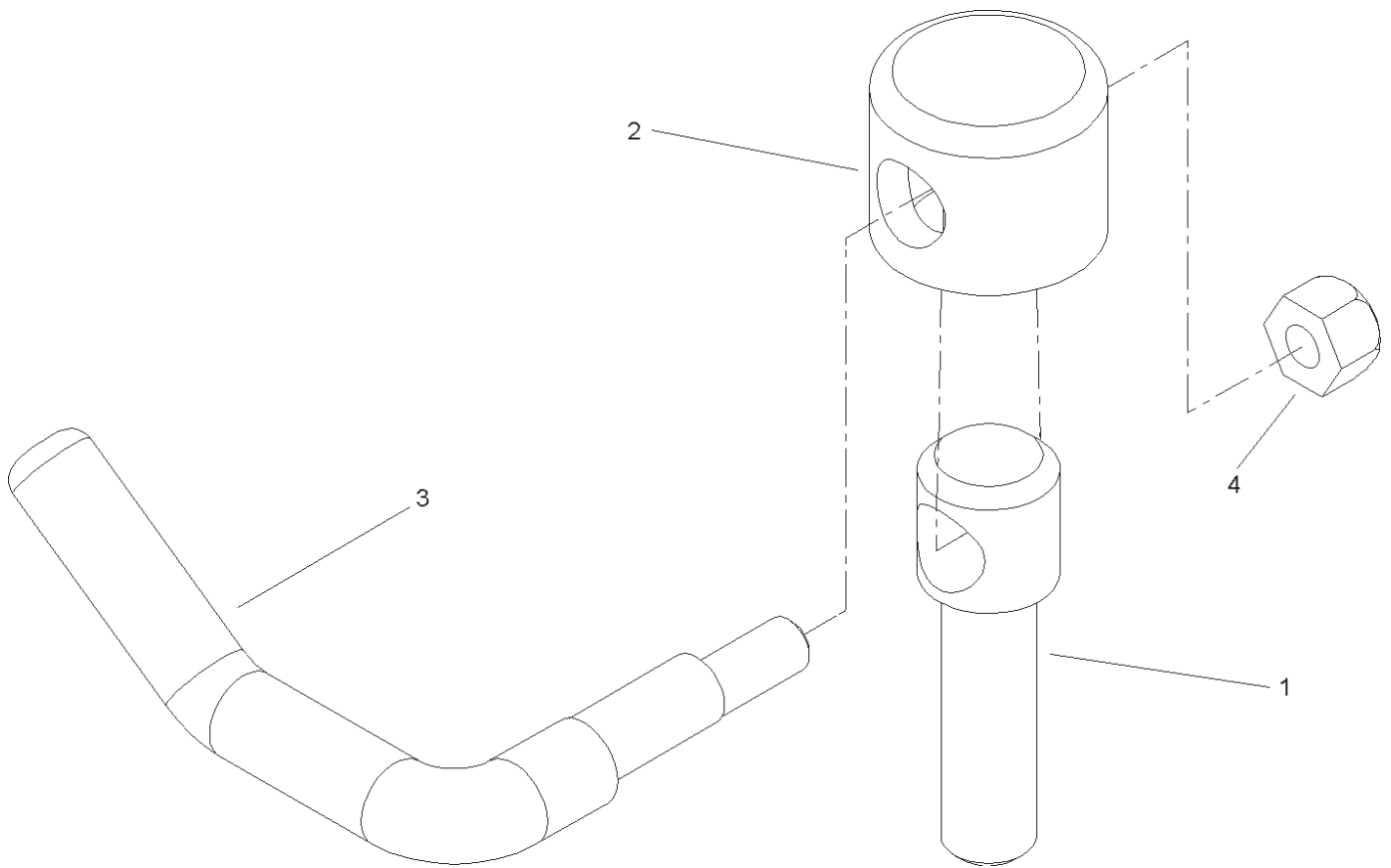


Sheet No.: A3

Deflector Assembly No. 106-3249

Ref. No.	Part No.	Qty.	Description
1	3231-4	4	Screw-CARR
2	106-3246-01	1	Deflector
3	106-3248-03	1	Strap-Discharge
4	107-1617	1	Deflector-Rubber
5	106-3252-01	1	Plate-Hinge, Rear
6	106-3253-01	1	Plate-Hinge, Front
7	3296-39	4	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

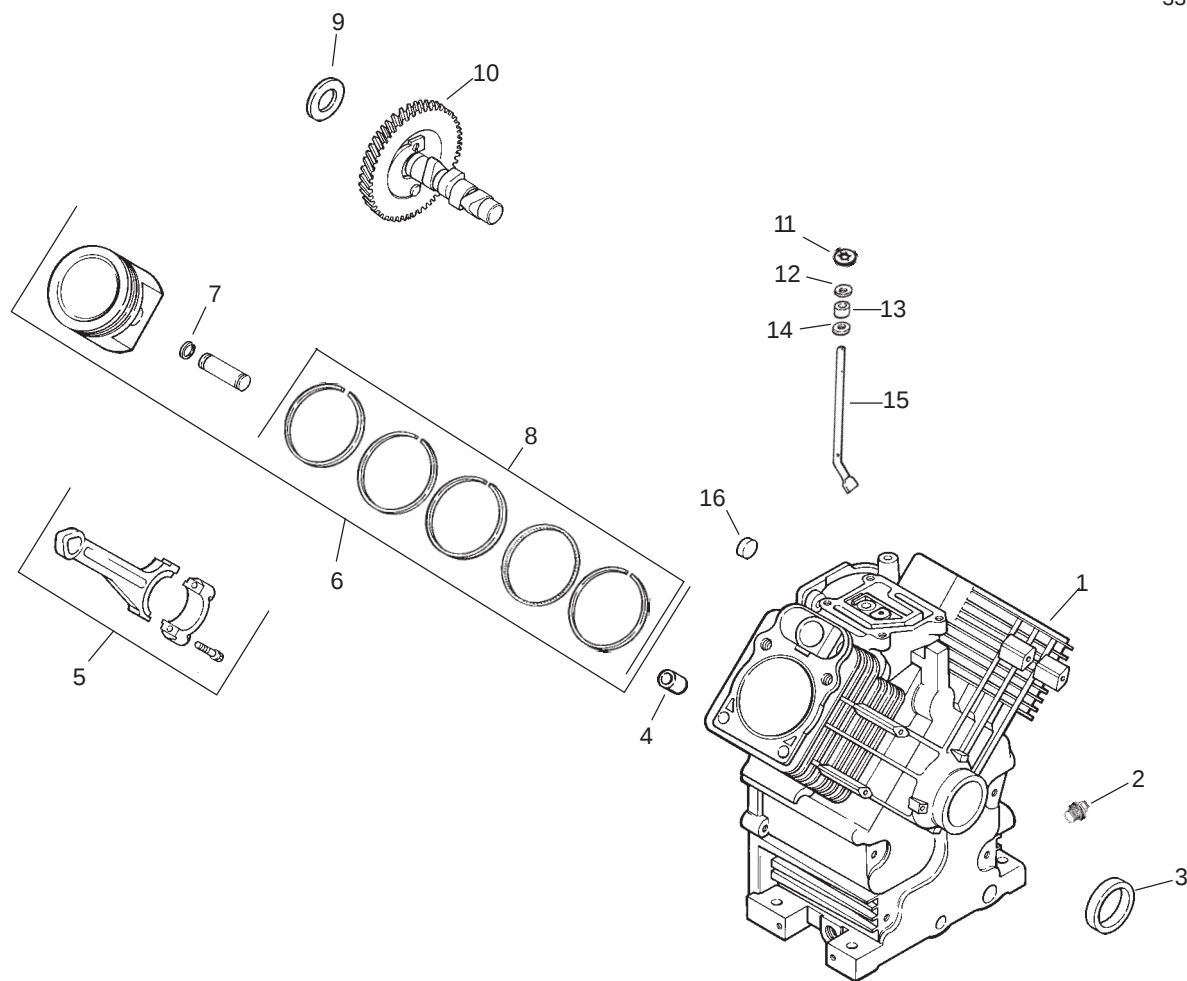


Sheet No.: A4

Lever Assembly No. 106-3242

Ref. No.	Part No.	Qty.	Description
1	106-3239	1	Screw-Lock
2	106-3240	1	Cap-Lock
3	106-3241	1	Lever-Lock
4	3296-29	1	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

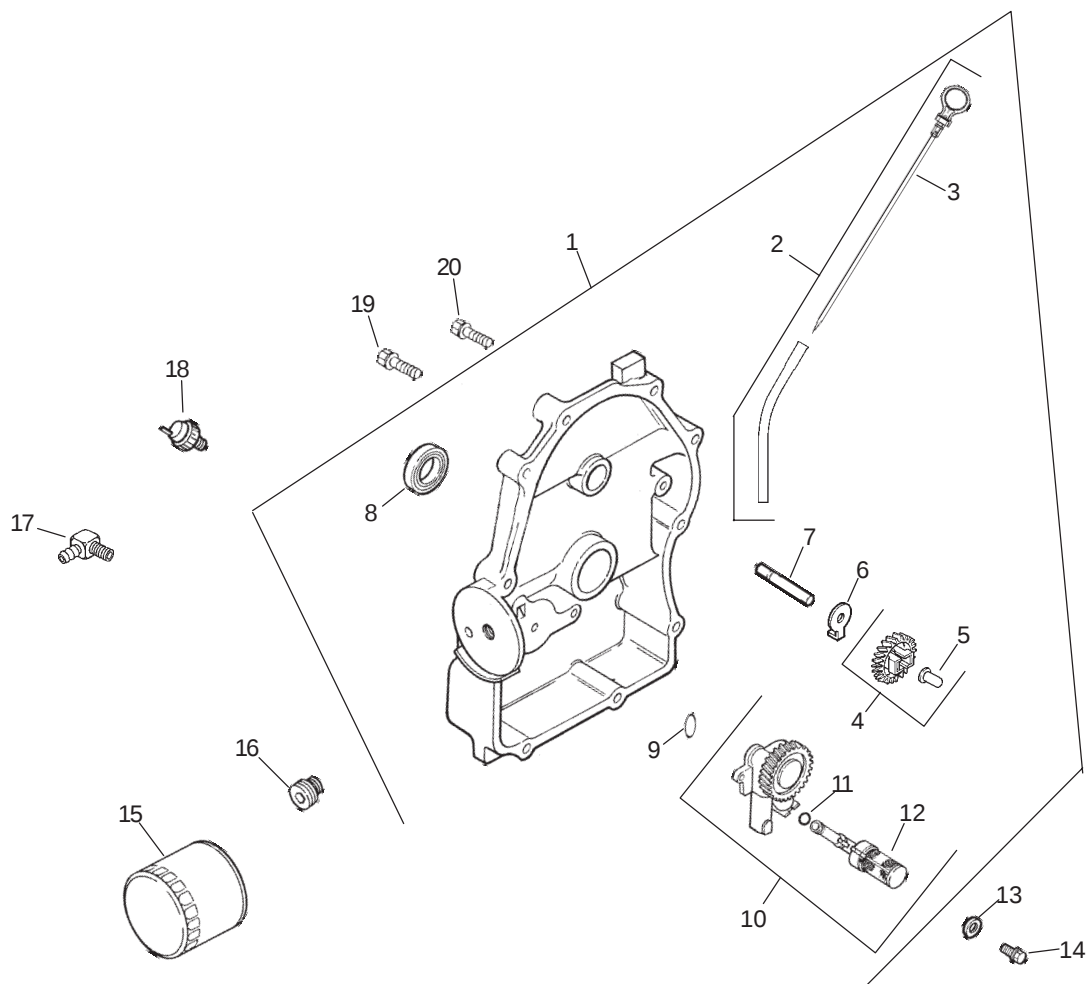


Group 2 – Crankcase Assembly Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description
1		1	Crankcase (USE: Miniblock 24 782 15)
2	25 139 57-S	2	Plug, square hd. 3/8\" N.P.T.F
3	24 032 01-S	1	Seal, front oil
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 17-S	2	Piston w/Ring Set (Std.) (Includes 7, 8)
	24 874 14-S	2	Piston w/Ring Set (.08)
	24 874 18-S	2	Piston w/Ring Set (.25)
	24 874 19-S	2	Piston w/Ring Set (.50)
7	24 018 01-S	4	Retainer, piston pin
8	24 108 11-S	2	Ring Set (Std. & .08)
	24 108 12-S	2	Ring Set (.25)
	24 108 13-S	2	Ring Set (.50)
9	12 422 09-S	A.R.	Shim, camshaft – red
	12 422 13-S	A.R.	Shim, camshaft– black
	12 422 07-S	A.R.	Shim, camshaft – white
	12 422 08-S	A.R.	Shim, camshaft – blue
	12 422 10-S	1	Shim, camshaft – yellow

Ref. No.	Part No.	Qty.	Description
	12 422 11-S	A.R.	Shim, camshaft – green
	12 422 12-S	A.R.	Shim, camshaft – gray
10	24 012 10-S	1	Camshaft
11	24 018 09-S	1	Retainer, ring
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 38-S	1	Shaft, governor cross
16	52 139 09-S	1	Plug, cup

Obtain Parts from Kohler

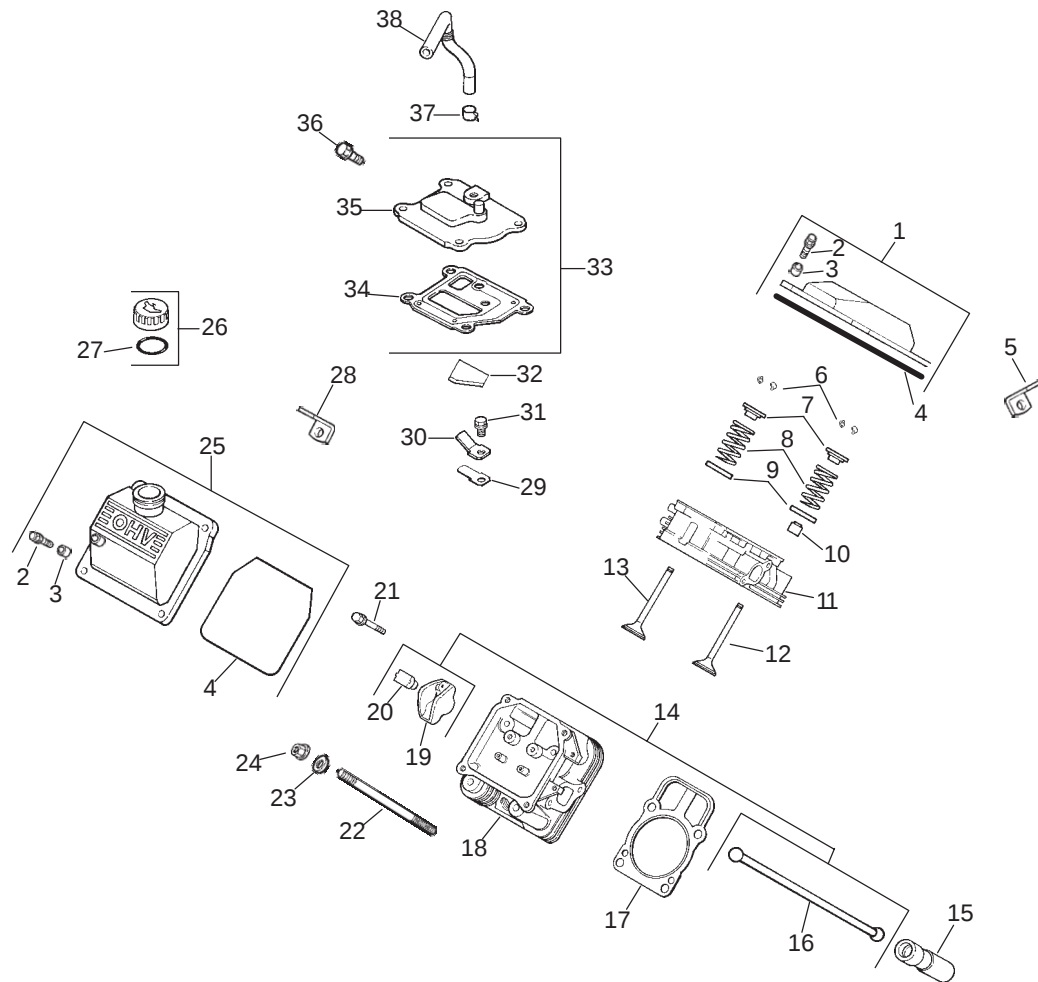


Group 3 – Oil Pan/Lubrication Assembly Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description
1	24 009 83-S	1	Kit, closure plate (Includes 2-12,19,20)
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	24 153 08-S	1	O-Ring
10	24 393 10-S	1	Oil pump assembly (Includes 11,12)
11	24 153 01-S	1	O-Ring, oil pick-up
12	24 381 04-S	1	Pick-up, oil
13	M-631005-S	2	Washer, plain 6 mm
14	M-645025-S	2	Screw, hex. flange M6x1.0x25
15	52 050 02-S	1	Filter, oil
16	24 136 01-S	1	Nipple, oil filter
17	25 155 02-S	1	Connector, hose 45(
18	24 099 03-S	1	Switch, oil pressure

Ref. No.	Part No.	Qty.	Description
19	24 086 16-S	9	Screw, hex. flange M8x1.25x45
20	24 086 17-S	1	Screw, hex. flange M8x1.25x45

Obtain Parts from Kohler

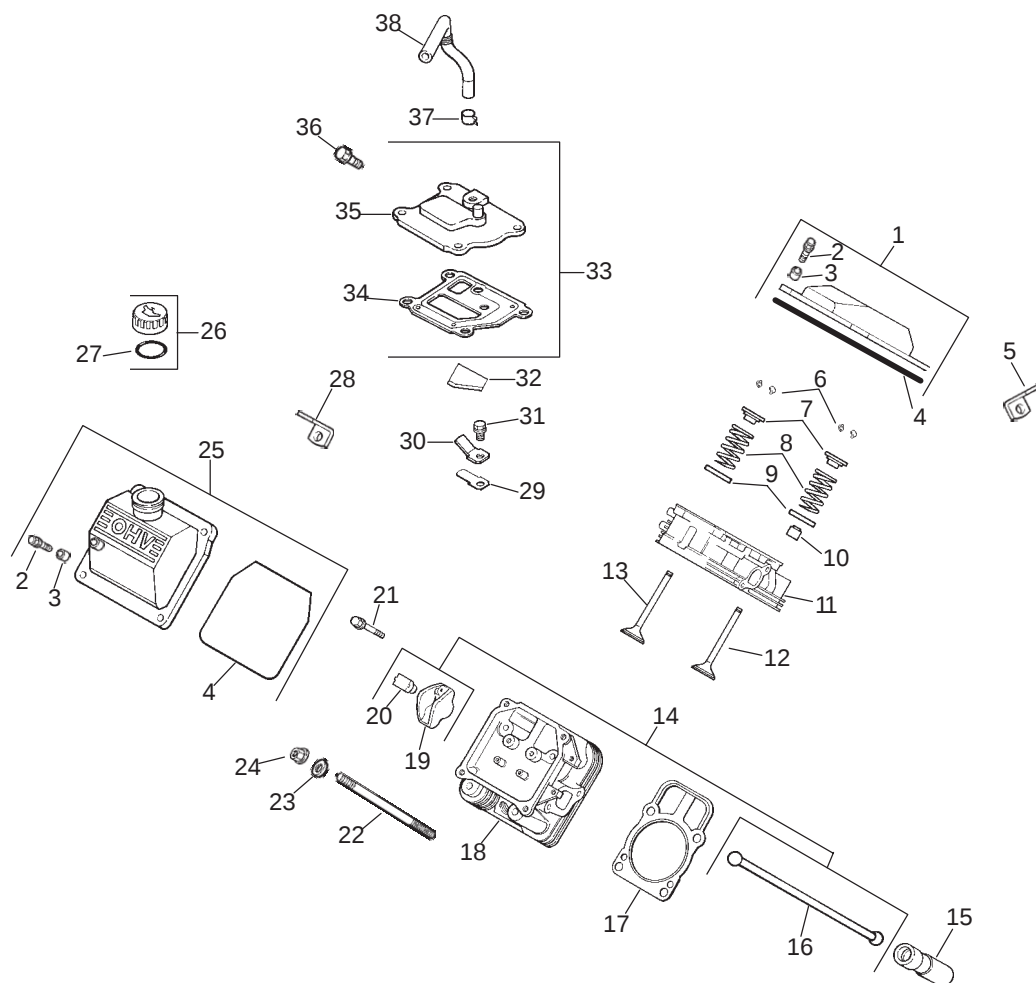


Group 4 – Head/Valve/Breather Assembly Kohler CH20S-64684

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	12 445 05-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 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 08-S	2	Gasket, cylinder head

Ref. No.	Part No.	Qty.	Description
18	24 318 71-S	1	Head assembly, #2 cylinder
19	25 186 01-S	4	Arm, rocker
20	24 599 01-S	4	Pivot, rocker arm
21	M-640034-S	4	Screw, hex. flange M6x1.0x34
22	24 072 09-S	8	Stud, cylinder head M8x1.25x20, M10x1.5x33, 105 mm long
23	24 468 16-S	8	Washer, flat 8 mm
24	24 100 10-S	8	Nut, hex. flange M8x1.25
25	24 755 75-S	1	Kit, valve cover – oil fill (Includes 2-4)
26	25 755 13-S	1	Kit, oil fill cap (Includes 27)
27	25 153 02-S	1	O-Ring
28	24 445 01-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



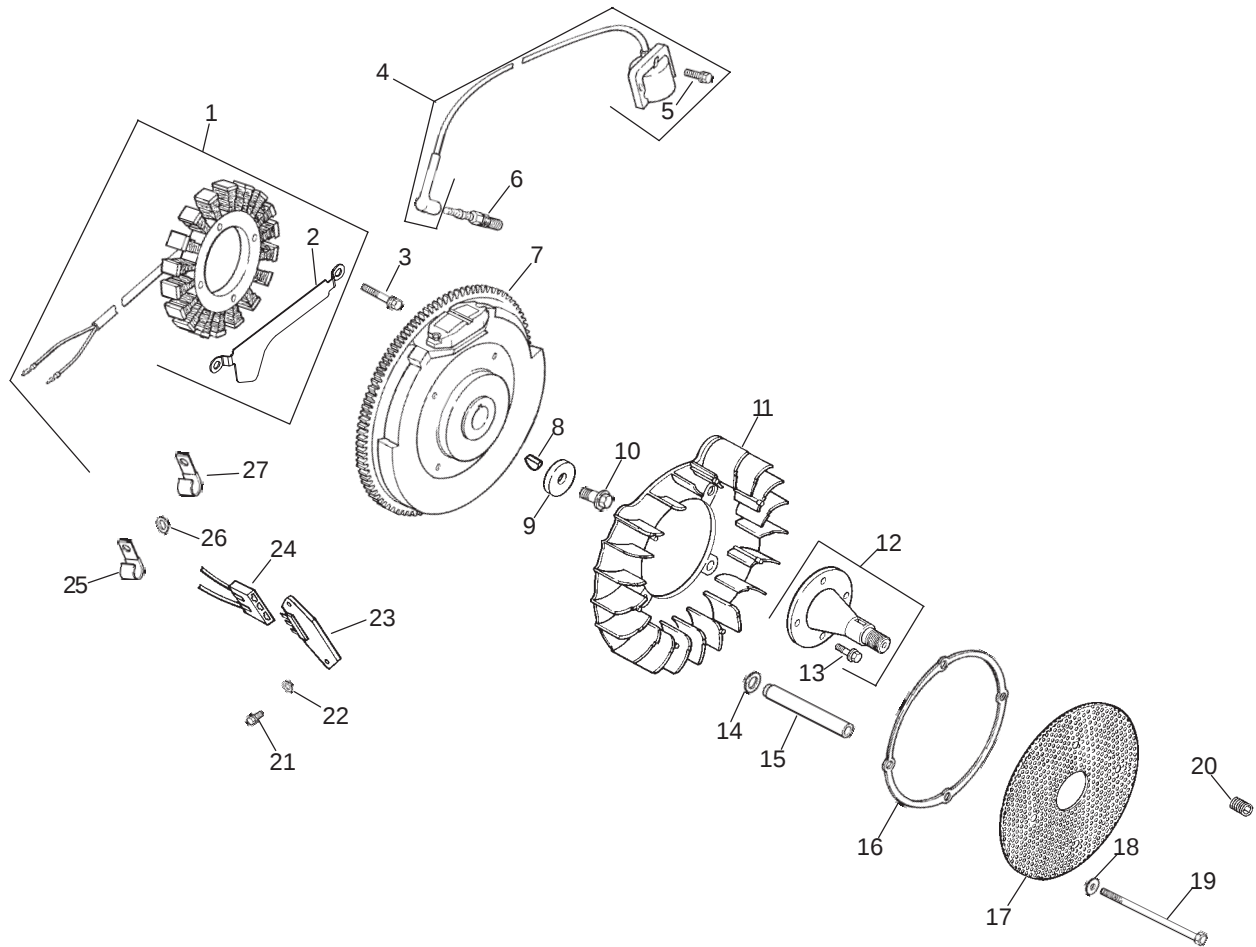
Group 4 – Head/Valve/Breather Assembly (Continued)

Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description
32	24 050 01-S	1	Filter, breather
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

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler



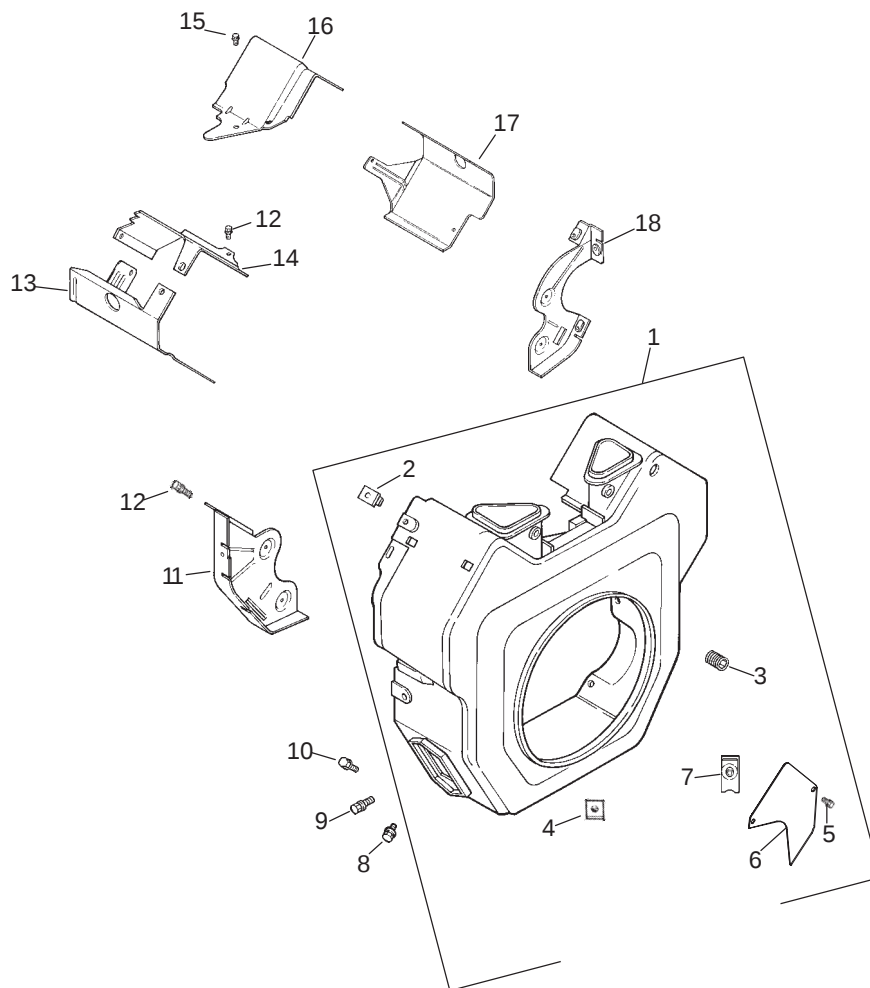
Group 5 – Ignition/Electrical Assembly Kohler CH20S-64684

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 25-S	2	Kit, ignition module (Includes 5)
5	M-561025-S	4	Screw, hex. flange 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	24 157 01-S	1	Fan
12	24 755 08-S	1	Kit, front drive shaft (Includes 13)
13	M-839025-S	4	Screw, hex. flange M8x1.25x25
14	24 468 11-S	4	Washer, spring 10 mm
15	24 112 14-S	4	Spacer
16	24 141 06-S	1	Ring, support
17	24 162 22-S	1	Screen, grass

Ref. No.	Part No.	Qty.	Description
18	X-25-53-S	4	Washer, plain 1/4"
19	M-603100-S	4	Screw, hex. hd. M6x1.0x100
20	25 086 43-S	1	Screw, set
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 3 contact
25	235173-S	1	Clip, cable
26	X-25-63-S	1	Washer, plain 1/4"
27	48 154 02-S	1	Clip, cable
*	24 518 12-S	1	Lead, black, (5" – 12 gauge – insulated grip barrel eyelet terminals)
*	24 176 109-S	1	Harness, wiring
*	25 454 03-S	2	Tie, cable
*	X-22-11-S	1	Washer, lock (used to ground rectifier-regulator)

Obtain Parts from Kohler

* Not Illustrated



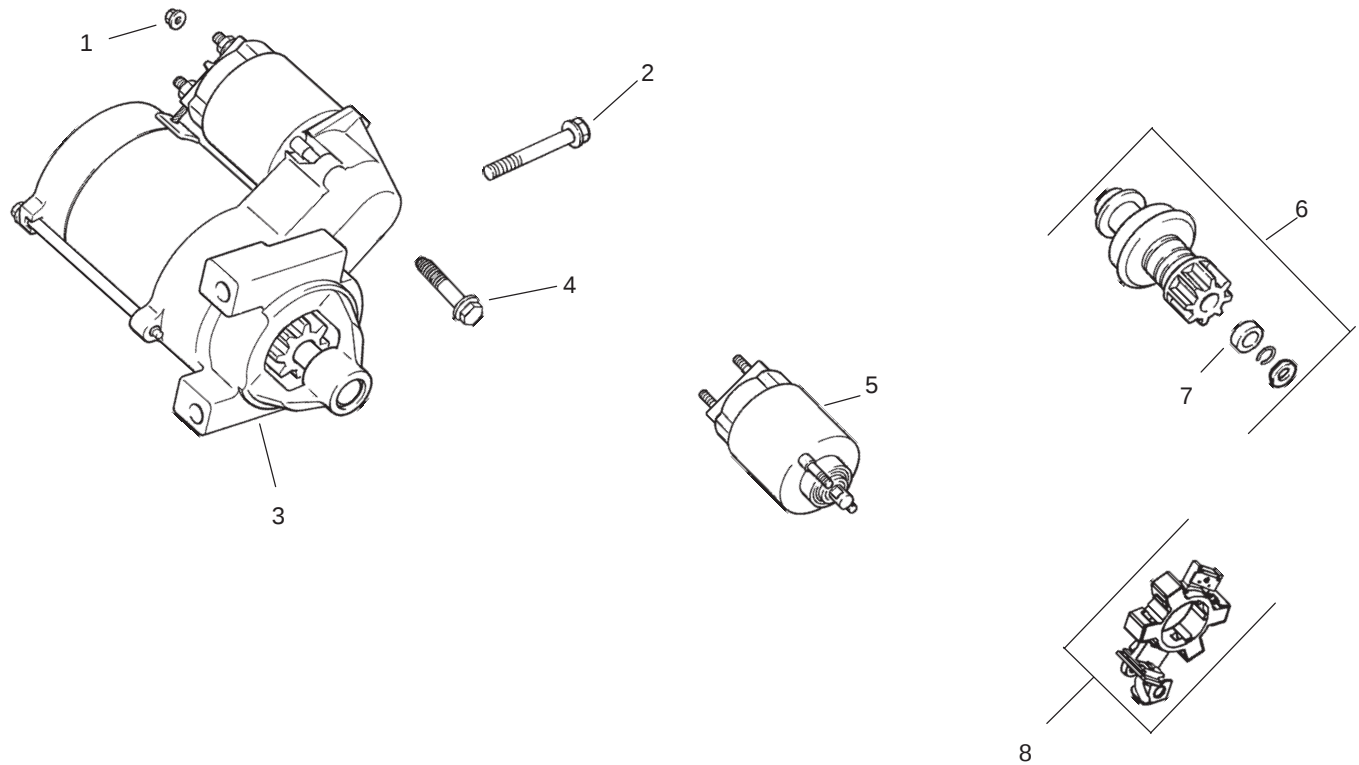
Group 6 – Blower Housing Assembly Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description
1	54 027 93-S	1	Housing, blower assembly (Includes 2-7)
2	24 100 01-S	2	Nut, plastic
3	25 086 43-S	1	Screw, set
4	24 100 02-S	2	Nut, plastic (2)
5	M-645016-S	4	Screw, hex. flange M6x1.0x16
6	24 096 64-S	2	Cover, access panel
7	25 154 02-S	4	Clip, mounting
8	M-551016-S	1	Screw, hex. flange M5x0.8x16
9	M-545016-S	3	Screw, hex. flange M5x0.8x16
10	M-545020-S	4	Screw, hex. flange M5x0.8x20
11	24 146 16-S	1	Plate, backing – #2 side
12	M-645016-S	6	Screw, hex. flange M6x1.0x16
13	24 063 20-S	1	Baffle, cylinder barrel – #2 side
14	24 063 17-S	1	Baffle, valley – #2 side

Ref. No.	Part No.	Qty.	Description
15	M-545010-S	2	Screw, hex. flange M5x0.8x10
16	24 063 59-S	1	Baffle, valley – #1 side
17	24 063 58-S	1	Baffle, cylinder barrel – #1 side
18	24 146 20-S	1	Plate, backing – #1 side
*	24 113 114-S	1	Decal, 20 HP

Obtain Parts from Kohler

* Not Illustrated

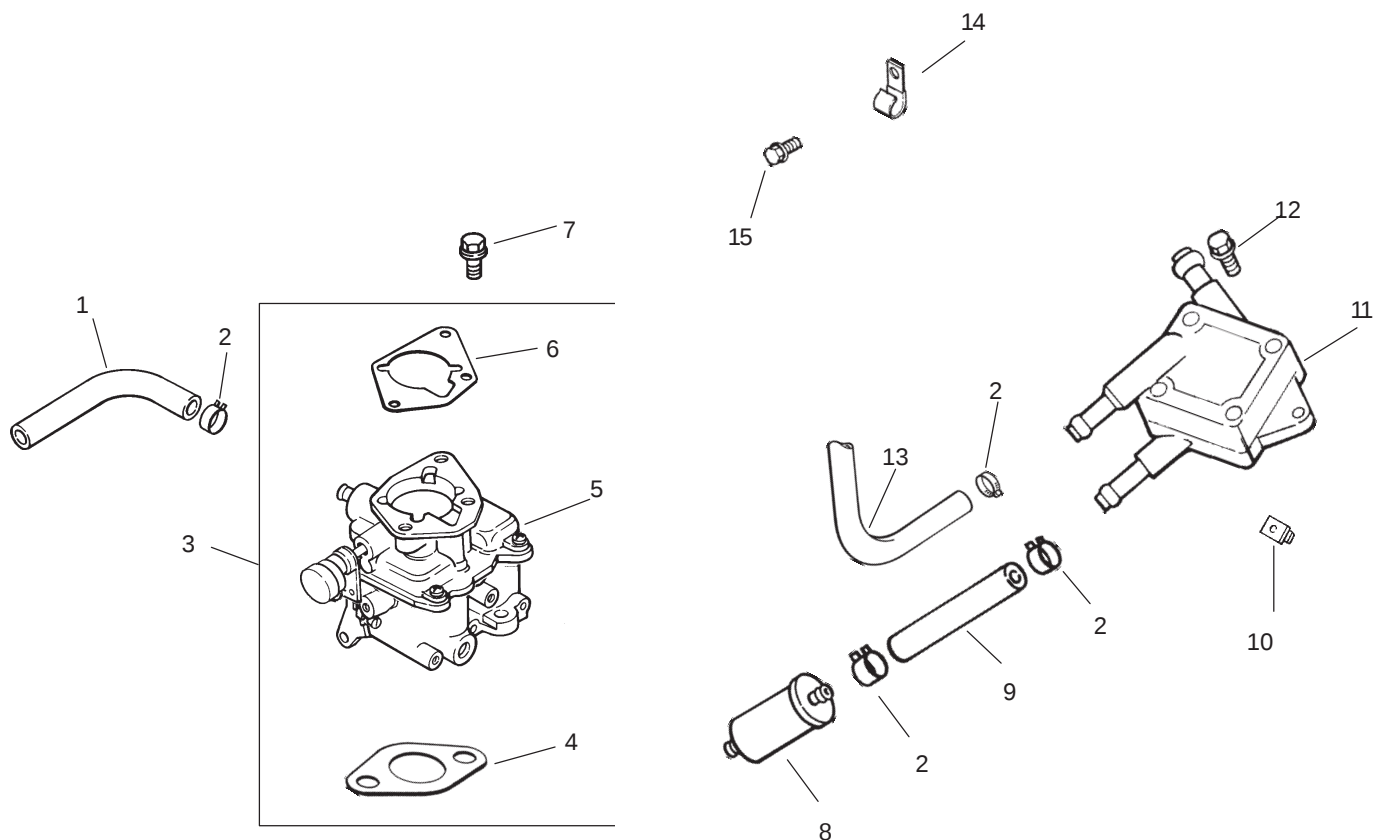


Group 7 – Starter Assembly Kohler CH20S-64684

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 hd.
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	25 221 01-S	1	Kit, brush

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler



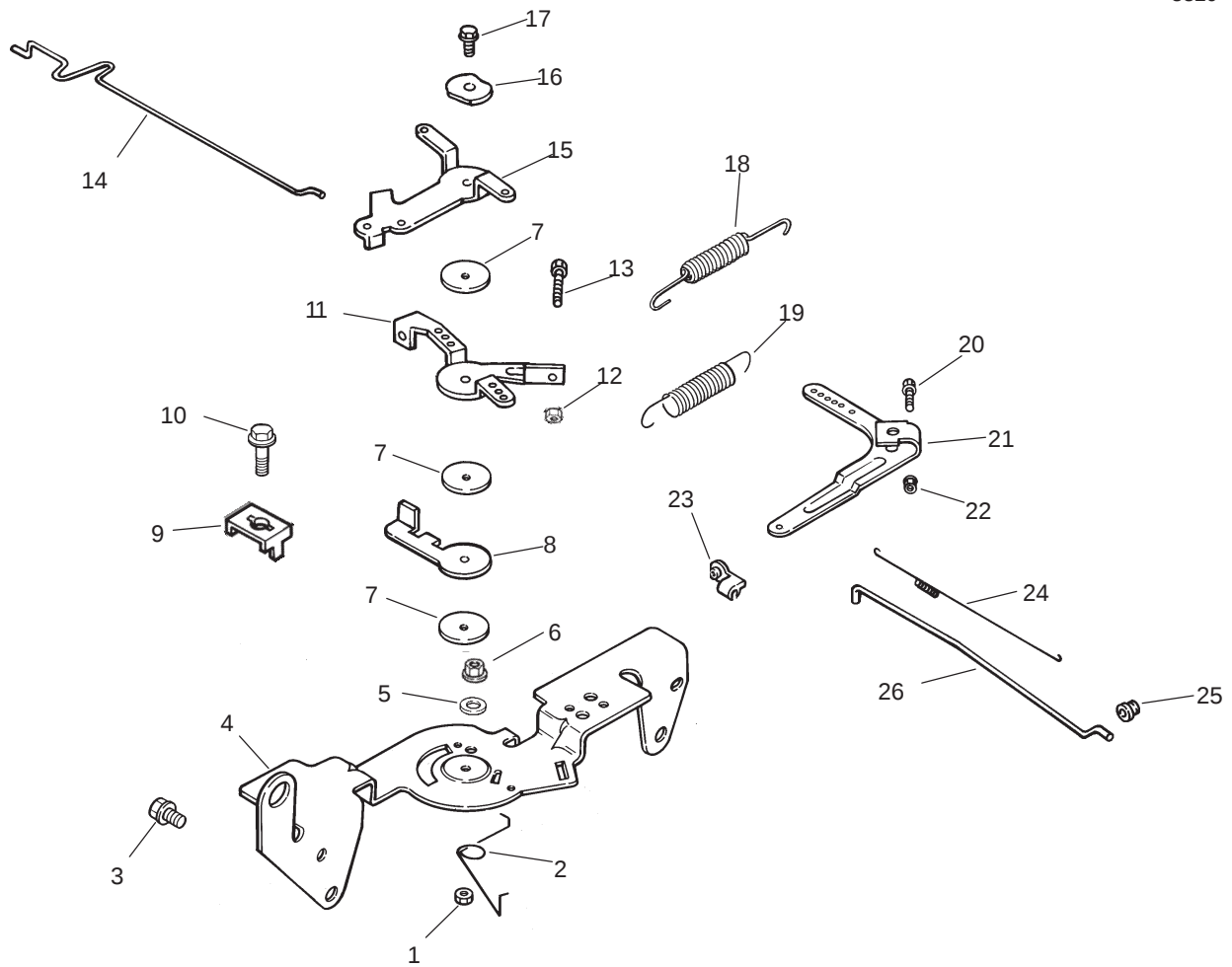
Group 8 – Fuel System Assembly Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description
1	25 353 32-S	1	Line, fuel 9"
2	25 237 14-S	6	Clamp, hose
3	24 853 32-S	1	Kit, carburetor w/gaskets (Includes 4-6)
4	24 041 06-S	1	Gasket, air cleaner base
5	24 053 32	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, & 24 755 125-S)
6	24 041 17-S	1	Gasket, carburetor
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

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 15-1/2"
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
*	24 757 03-S	1	Kit, carburetor repair
*	24 757 07-S	1	Kit, choke repair
*	24 755 125-S	1	Kit, high altitude w/gaskets

Obtain Parts from Kohler

* Not Illustrated

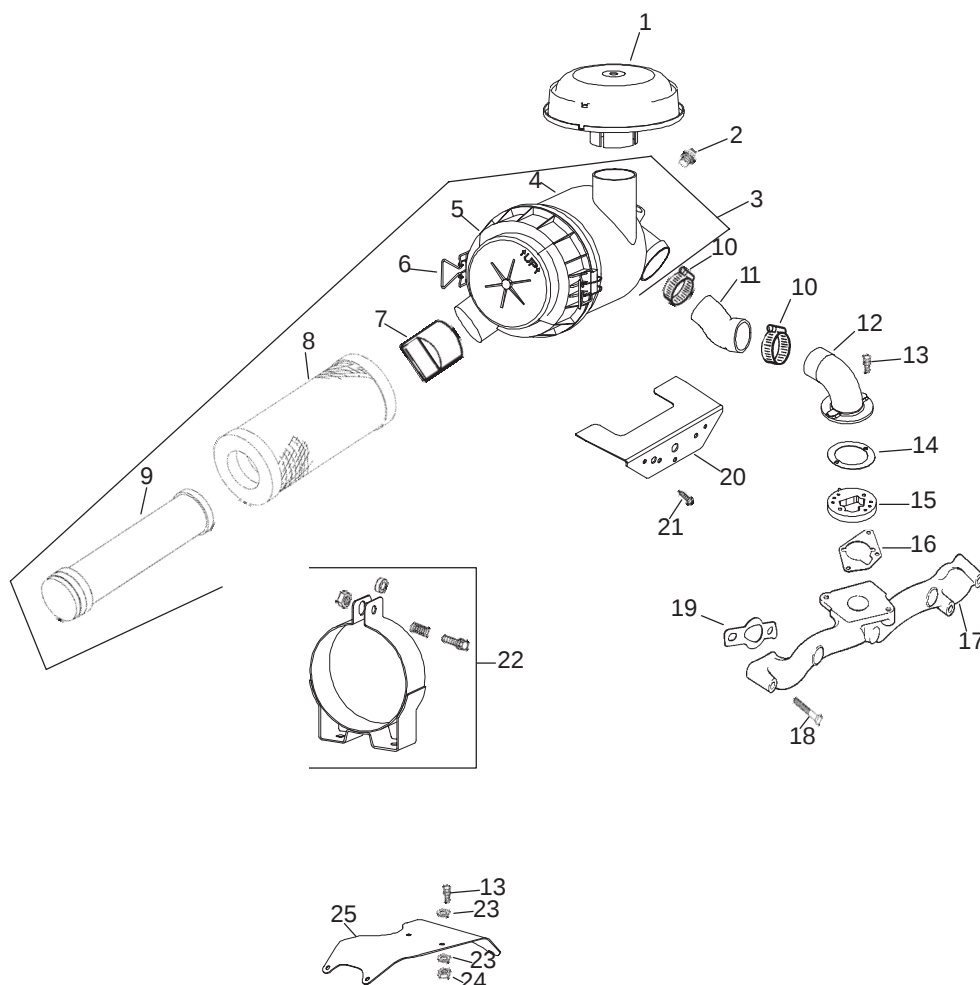


Group 9 – Engine Control Assembly Kohler CH20S-64684

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 5.5 mm
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 M4x0.7
13	M-401030-S	1	Screw, hex. cap 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
19	24 089 48-S	1	Spring, governor

Ref. No.	Part No.	Qty.	Description
20	24 211 03-S	1	Bolt round head, square neck
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, linkage retaining
26	24 079 01-S	1	Linkage, throttle

Obtain Parts from Kohler



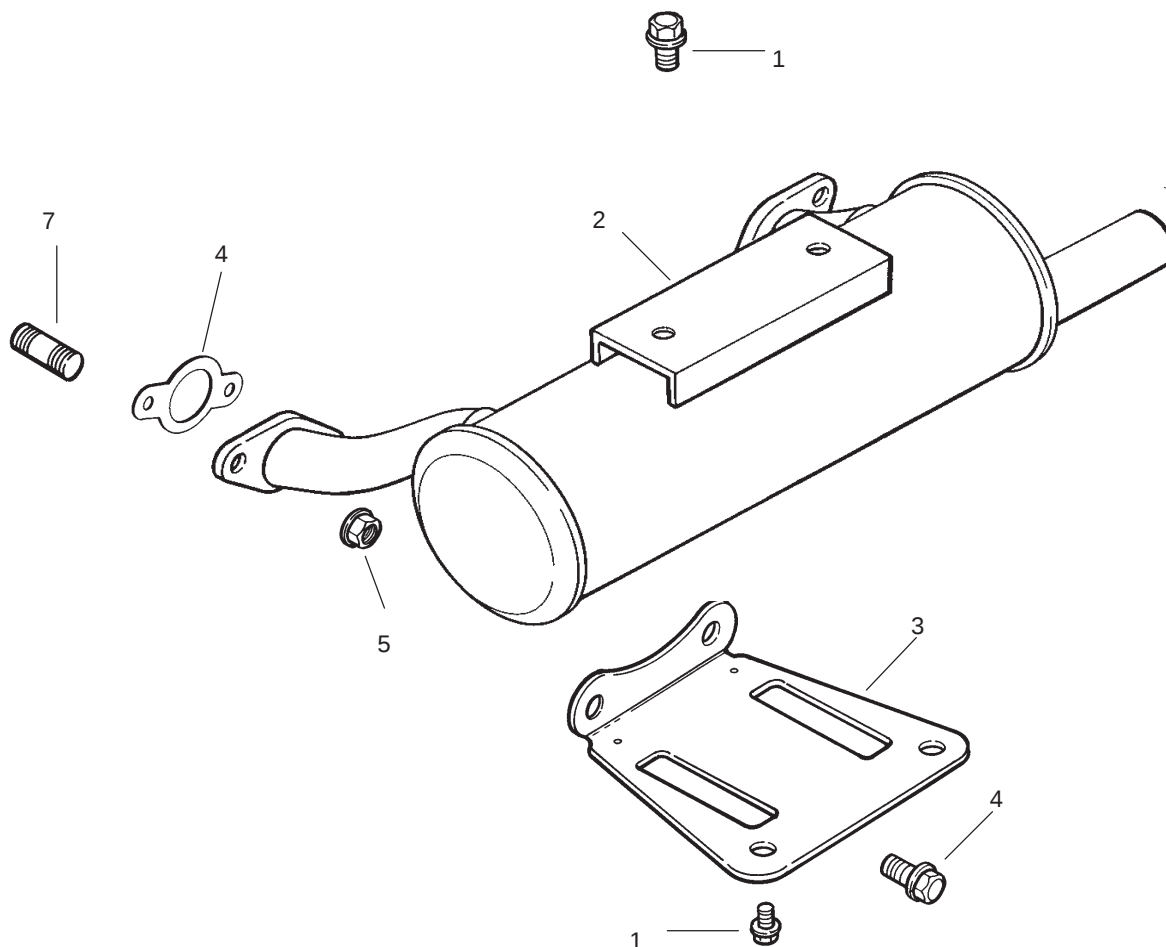
Group 10 – Air Intake/Filtration Assembly Kohler CH20S-64684

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
*	25 113 27-S	1	Decal, air cleaner

Obtain Parts from Kohler

* Not Illustrated



Group 11 – Exhaust Assembly Kohler CH20S-64684

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	M-650012-S	4	Screw, hex. flange M6x1.0x12				
2	24 068 18-S	1	Muffler, canister – oil filter side outlet				
3	24 126 12-S	1	Bracket, muffler – low mount				
4	M-839020-S	2	Screw, hex. flange M8x1.25x80				
5	M-841080-S	4	Nut, hex. flange M8x1.25				
6	24 041 49-S	2	Gasket, exhaust				
7	25 072 04-S	4	Stud M8x1.25x33				
*	24 522 167	1	Shortblock				
*	24 782 15	1	Miniblock				
*	24 755 107-S	1	Gasket Set				

Obtain Parts from Kohler

