Form Number 3352-888

Z400 Z Master®

With 48in 7-Gauge Side Discharge Mower

Model No. 74412 - 250000001 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 - 2004
All Rights Reserved

Register your product at www.Toro.com

Contents

Description	Page
Front Frame Assembly	3
Height of Cut Assembly	4
Main Frame Assembly	5
Fuel System Assembly	6
Parking Brake Assembly	7
Motion Control Assembly	8
Hydraulic System Assembly	9
Pump Idler and Belt Assembly	11
Engine, Clutch and Muffler Assembly	12
Deck Mounting Assembly	13
Deck Assembly No. 107-1667	14
Deck Decal Assembly	15
Spindle Assembly No. 107-8504	16
Rubber Deflector Assembly No. 108-4060	17
Idler Assembly	18
Seat and Bracket Assembly	19
Seat Assembly No. 107-2116	20
Electrical System Assembly	21
Roll-Over-Protection-System Assembly	22
Roll-Over-Protection-System Assembly No. 107-8093	23
Group 1 - Crankshaft Assembly Kohler CV493S 27528	24
Group 2 - Crankcase Assembly Kohler CV493S 27528	25
Group 3 - Oil Pan/Lubrication Assembly Kohler CV493S 27528	26
Group 4 - Head/Valve/Breather Assembly Kohler CV493S 27528	27
Group 5 - Ignition/Electrical Assembly Kohler CV493S 27528	28
Group 6 - Blower Housing and Baffle Assembly Kohler CV493S 27528	29
Group 7 - Starting System Assembly Kohler CV493S 27528	30
Group 9 - Engine Control Assembly Kohler CV493S 27528	31
Group 8 - Fuel System Assembly Kohler CV493S 27528	32
Group 10 - Air Intake/Filtration Assembly Kohler CV493S 27528	34
Group 11 - Exhaust Assembly Kohler CV493S 27528	35

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HHFTF	hex head flange thread forming
HJ	hex jam
HLH	hex lag head
HOC	height-of-cut
HS	hex
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
HYD	hydraulic
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
SHWH	slotted hex washer head
SPH	slotted pan head
SQH	square head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	torx truss head
WH	wing head

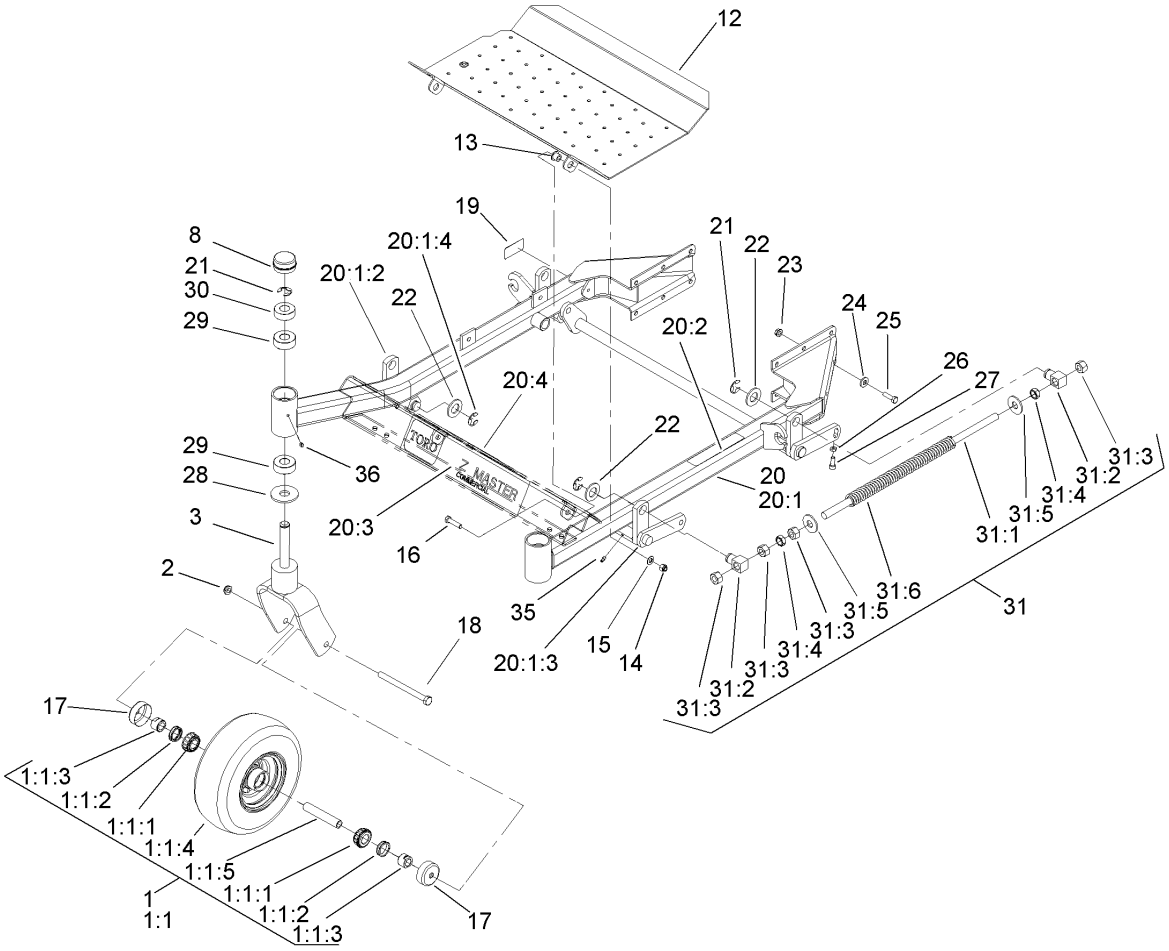
Footnotes

❶ Not illustrated

❷ Not serviced separately

❸ Included in a service kit or in an assembly

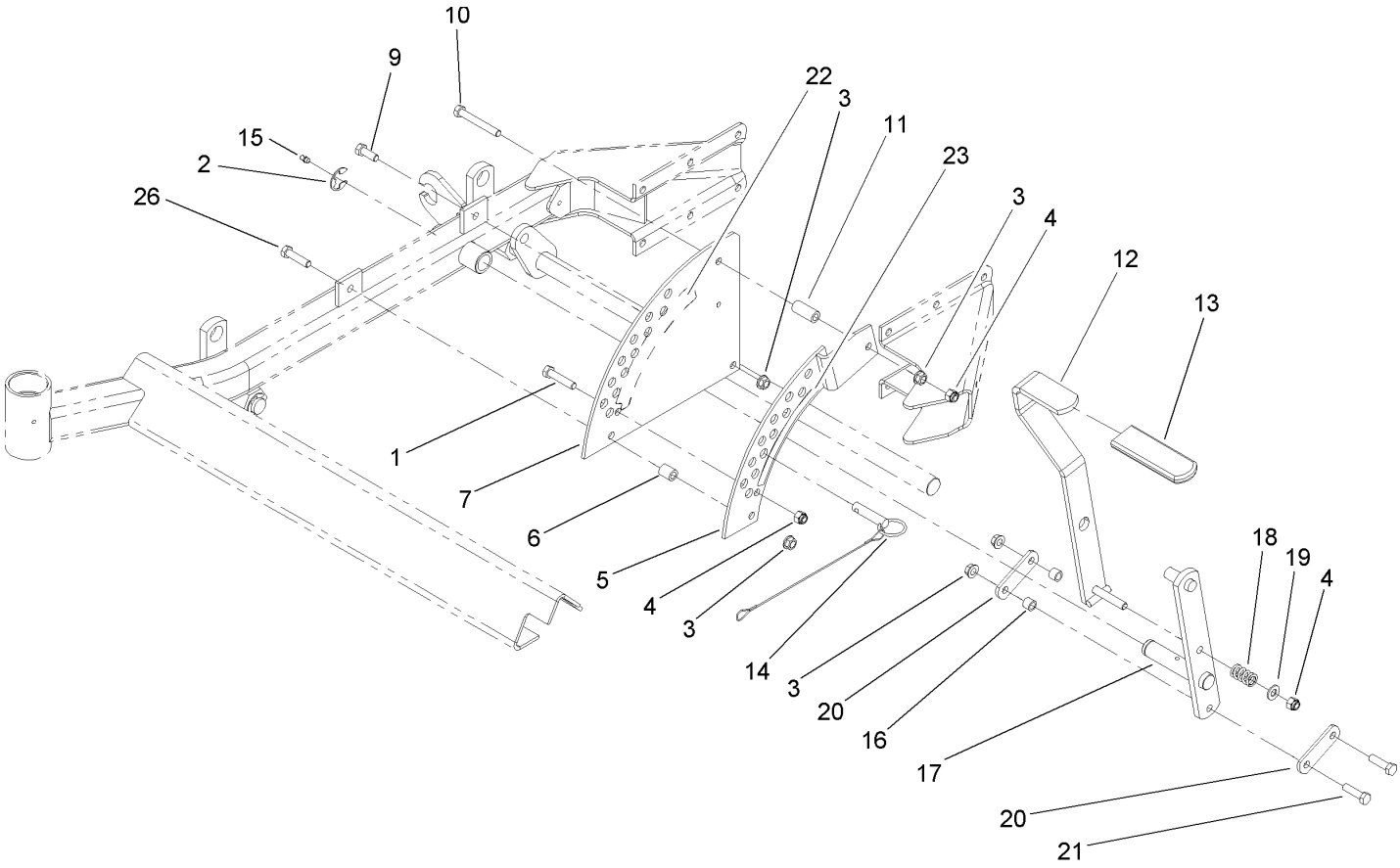
❹ Obtain Parts From Your Local Kohler Dealer



Front Frame Assembly

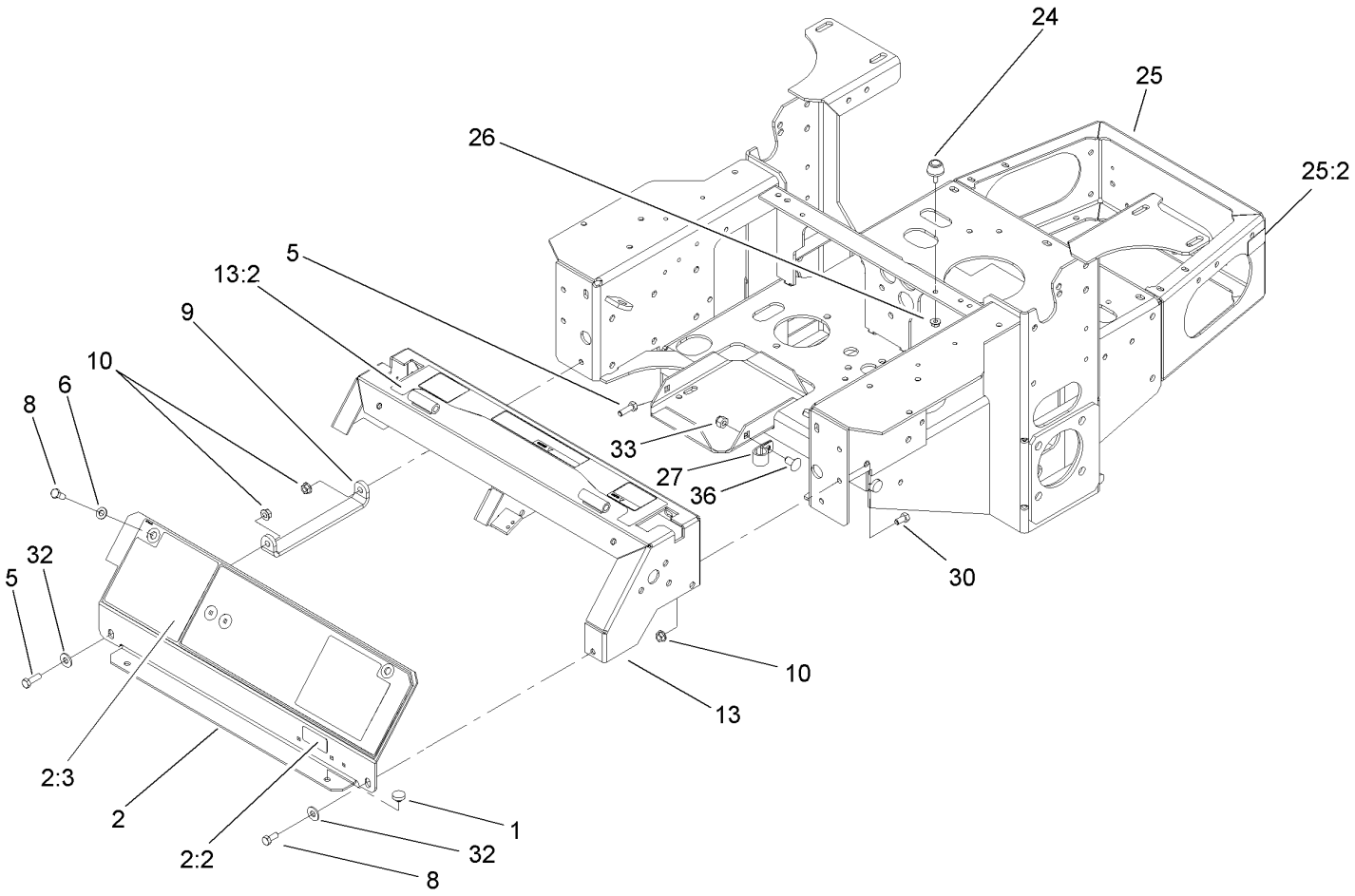
Ref	Part No.	Qty.	Description
1	103-3800	2	Wheel And Tire ASM
1:1		1	Wheel And Bearing ASM
1:1:1	1-633585	2	Bearing-Cone, Taper
1:1:2	103-0063	2	Seal-Caster
1:1:3	103-3051	2	Spacer-Nut
1:1:4	103-3151	1	Wheel And Tire ASM
1:1:5	103-3157	1	Axle-Caster
2	3296-45	2	Nut-Lock, NI
3	106-8796-01	2	Caster Fork ASM
8	1-543513	2	Cap-Grease
12	108-5007-03	1	Floor Pan
13	86-2180	2	Bushing-Flange
14	3296-39	2	Nut-Lock, NI
15	3256-24	2	Washer-Flat
16	323-8	2	Screw-HH
17	103-2768	4	Guard-Seal
18	325-20	2	Screw-HH
19	105-2625	1	Decal-Std, Safety
20	108-1130	1	Front Frame ASM
20:1		1	Front Frame ASM
20:1:2	99-3872	1	RH Lift Arm ASM
20:1:3	99-3871	1	LH Lift Arm ASM
20:1:4	32151-103	2	Ring-Snap
20:2	1-633818	1	Decal-Warning

Ref	Part No.	Qty.	Description
20:3	106-9730	1	Decal-
20:4	107-2112	1	Decal-Warning
21	32151-103	6	Ring-Snap
22	3256-29	6	Washer-Flat
23	3290-357	12	Nut-HHF
24	98-5975	12	Washer-Belleville
25	323-7	12	Screw-HH
26	3218-2	2	Nut-Jam
27	3274-18	2	Screw-HSH
28	104-1105	2	Spacer-Support, Deck
29	108-1059	4	Bushing
30	108-2654	2	Spacer
31	1-634439	2	Front Frame Spring ASM
31:1	1-633096	1	Rod-Lift, Deck
31:2	1-633441	2	Swivel-Deck Mount, Rear
31:3	3217-11	4	Nut-Hex
31:4	3218-6	2	Nut-Jam
31:5	3256-7	2	Washer-Flat
31:6	1-633064	1	Spring-Support, Deck
35	302-19	4	Fitting-Grease
36	302-5	2	Fitting-Grease



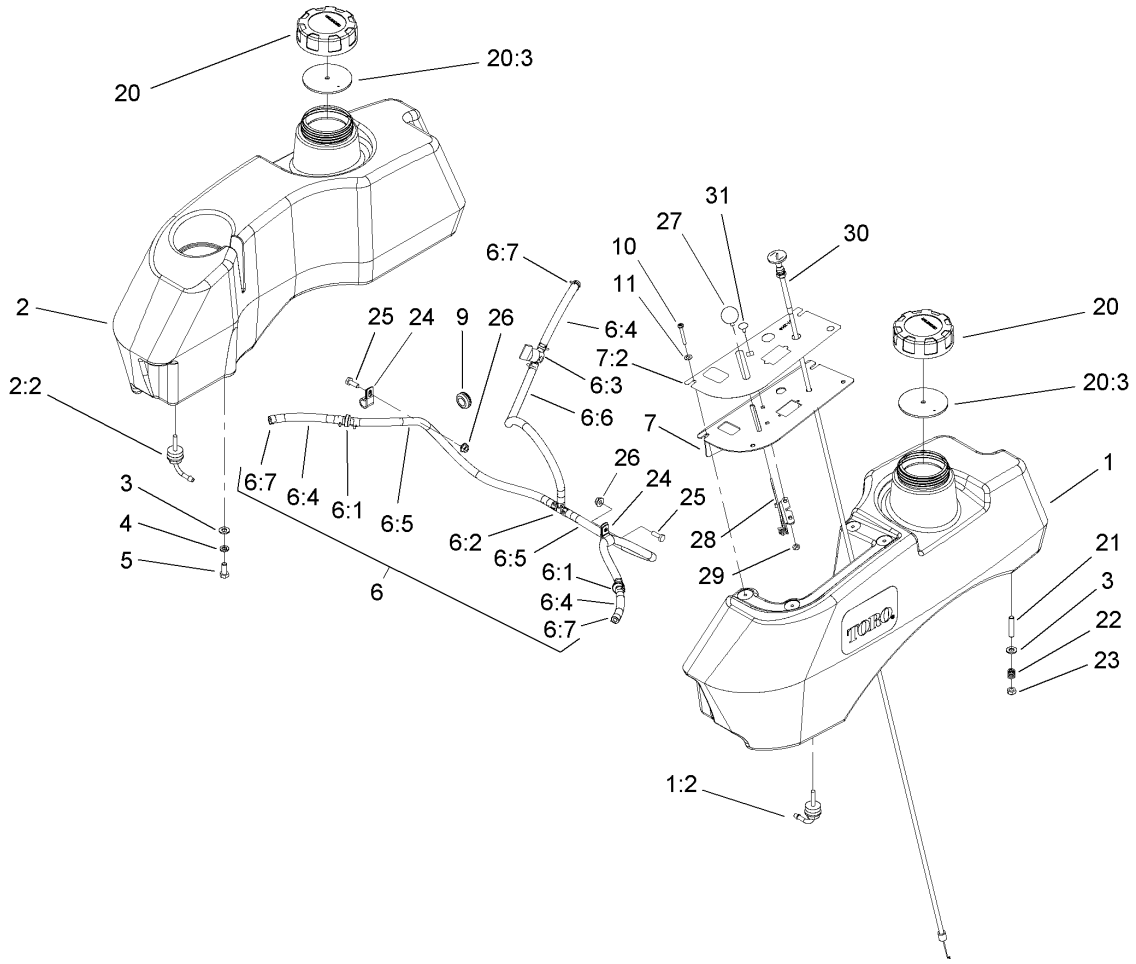
Height of Cut Assembly

Ref	Part No.	Qty.	Description
1	323-9	1	Screw-HH
2	32151-103	1	Ring-Snap
3	3290-357	5	Nut-HHF
4	3296-39	3	Nut-Lock, NI
5	1-652235-01	1	Plate-Lift, Deck
6	1-633080	1	Bushing-Lever, Lift
7	1-653230-01	1	Plate-Lift, Deck
9	323-6	1	Screw-HH
10	323-13	1	Screw-HH
11	1-633082	1	Bushing-Lever, Lift
12	103-2078-03	1	Handle-Lift
13	1-633295	1	Grip-Lever, Lift
14	106-9951	1	Hitch Pin ASM
15	302-19	1	Fitting-Grease
16	103-1918	2	Bushing
17	106-6598-03	1	Lift Arm ASM
18	1-633325	1	Spring-Compression
19	3256-24	1	Washer-Flat
20	1-633068	2	Arm-Lift, Deck
21	323-29	2	Screw-HH
22	108-1051	1	Decal-Deck Height, Outer
23	108-1050	1	Decal-Deck Height, Inner
26	323-8	1	Screw-HH



Main Frame Assembly

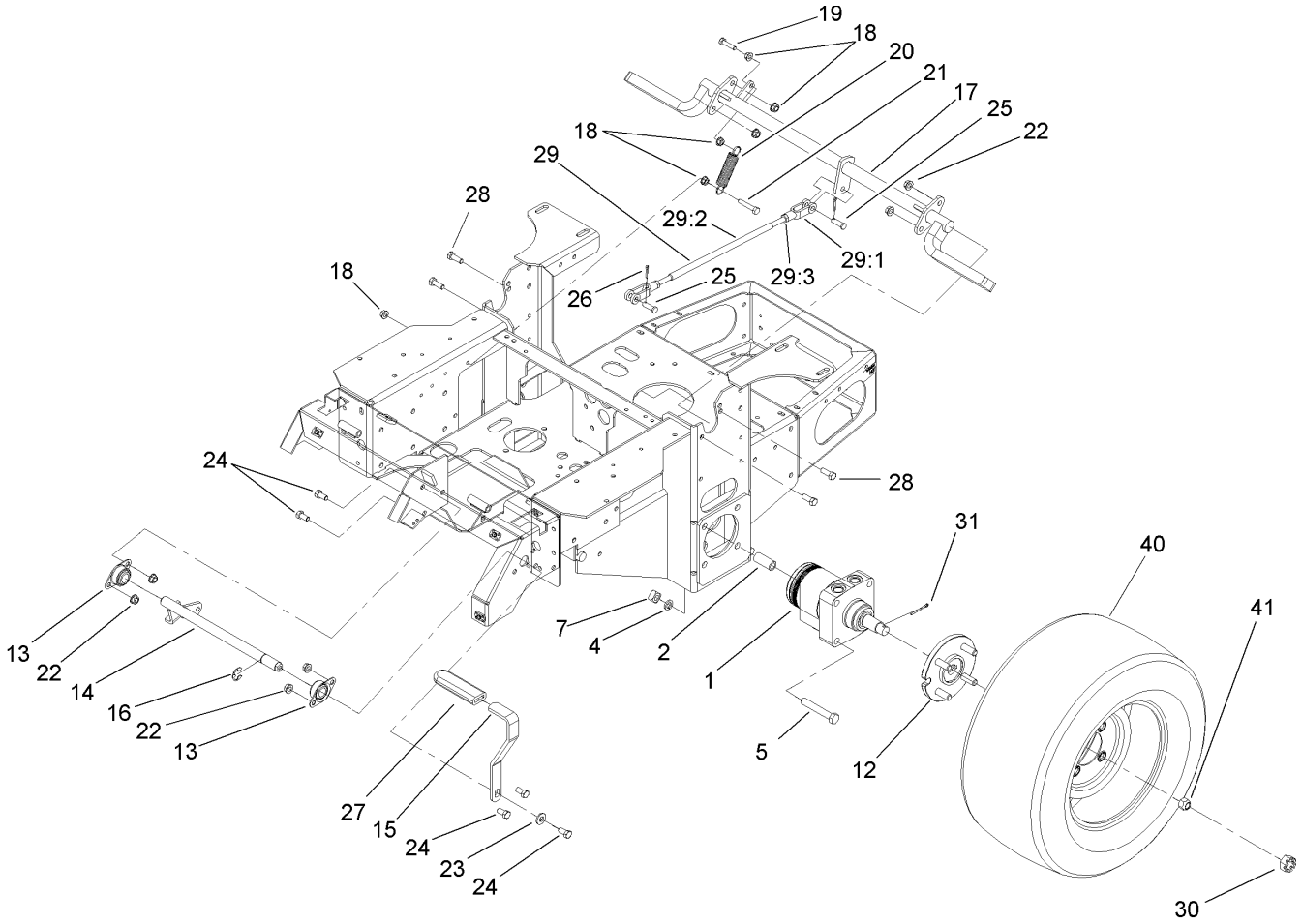
Ref	Part No.	Qty.	Description
1	1-513658	2	Bumper
2	108-1864	1	Panel ASM
2:2	98-4387	1	Decal-Protection, Ear
2:3	107-8445	1	Decal-Cover, Panel
5	322-5	2	Screw-HH
6	3256-23	2	Washer-Flat
8	322-3	3	Screw-HH
9	1-653089-03	1	Bracket
10	32128-20	6	Nut-HF
13	108-5997	1	Console Asm, Z400 (W/ Decals)
13:2	108-5995	1	Decal, Top Console Z400
24	1-523420	2	Bumper
25	108-2782	1	Main Frame ASM
25:2	65-2690	1	Decal-Surface, Hot
26	32128-33	2	Nut-HF
27	1-633396	1	Clip-Loom
30	322-2	4	Screw-HH
32	3256-3	2	Washer-Flat
33	3296-39	1	Nut-Lock, NI
36	3231-21	1	Screw-CARR



Fuel System Assembly

Ref	Part No.	Qty.	Description
1	107-2146	1	LH Fuel Tank ASM
1:2	103-2605	1	Fitting-Fuel, Bulkhead
2	106-9975	1	RH Fuel Tank ASM
2:2	103-2605	1	Fitting-Fuel, Bulkhead
3	3256-23	8	Washer-Flat
4	1-805005	4	Washer-Lock
5	322-3	4	Screw-HH
❷6		1	Fuel Line ASM
6:1	99-5000	2	Valve-Check, Fuel
6:2	99-5005	1	Fitting-Tee, Barbed
6:3	1-603770	1	Valve-Fuel
6:4	99-7190	3	Hose-Fuel
6:5	99-3185	2	Hose-Fuel
6:6	106-8720	1	Hose-Fuel
6:7	1-303077	12	Clamp
7	107-2149	1	Control Panel ASM
7:2	107-2148	1	Decal-Panel, Control
9	1-543296	2	Grommet
10	32122-30	4	Screw-Pth
11	1-303435	4	Washer-Spring
20	88-3980	2	Gas Cap ASM
20:3	88-4010	1	Gasket-Cap, Gas
21	1-633023	4	Stud
22	1-633349	4	Spring-Tank, Fuel

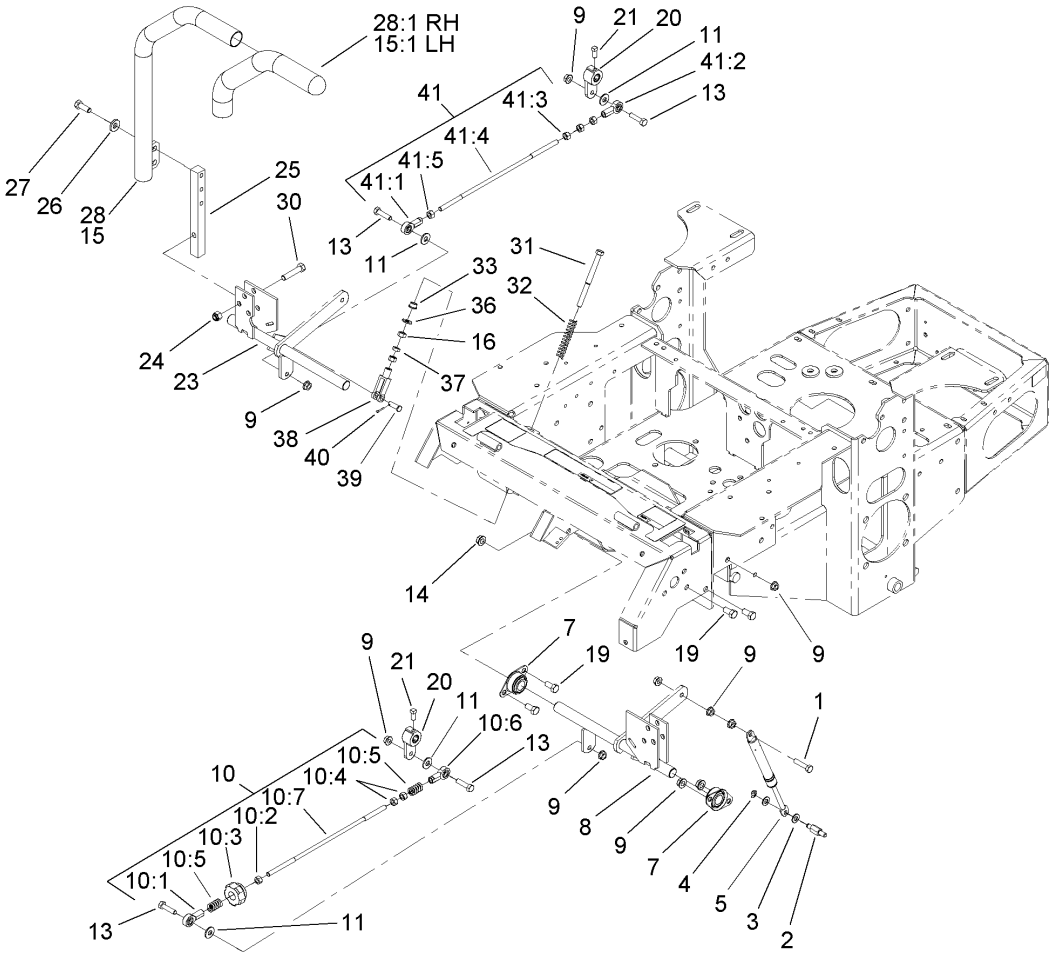
Ref	Part No.	Qty.	Description
23	3296-47	4	Nut-Lock, NI
24	1-513762	4	Clip-Loom
25	321-4	2	Screw-HH
26	32128-33	2	Nut-HF
27	1-513592	1	Knob-Ball
28	103-4091	1	Cable-Throttle
29	3296-2	2	Nut-Lock
30	103-4090	1	Control-Choke
31	1-807513	2	Bolt-CARR



Parking Brake Assembly

Ref	Part No.	Qty.	Description
1	103-4695	2	Motor-Wheel
❶1:1	1-000119	1	Seal Kit
❶1:2	1-000138	1	Bearing Kit
2	103-4042	8	Spacer-Motor, Wheel
4	3253-7	8	Washer-Lock
5	325-18	8	Screw-HH
7	103-0131	8	Nut-Square
12	1-602997	2	Hub W/studs
13	1-633102	2	Bearing-Flange, Side
14	103-3116	1	Shaft-Brake, Parking
15	1-653074-03	1	Handle-Brake, Park
16	32151-48	1	E-Ring
17	103-3960-03	1	Brake
18	32128-20	4	Nut-HF
19	322-6	1	Screw-HH
20	1-323161	1	Spring-Idler
21	322-9	1	Screw-HH
22	3290-357	8	Nut-HHF
23	98-5975	1	Washer-Belleville
24	323-4	5	Screw-HH
25	1-808285	2	Pin-Clevis
26	3272-10	2	Pin-Cotter
27	1-633268	1	Grip-Lever, Brake
28	323-6	4	Screw-HH

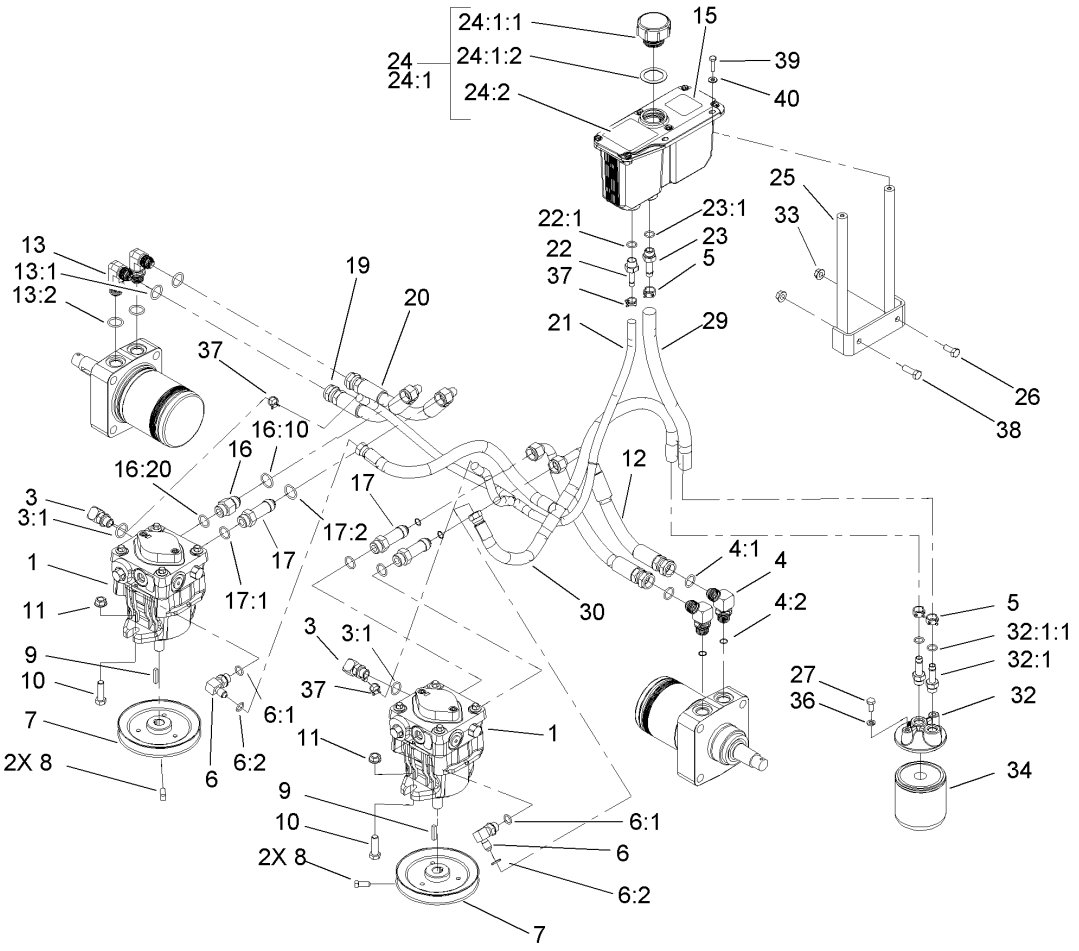
Ref	Part No.	Qty.	Description
29	103-4335	1	Brake Rod ASM
29:1	1-633131	2	Yoke-Linkage, Brake
29:2	103-3907	1	Linkage,brake Handle
29:3	3219-3	2	Nut-Hex
30	32136-5	2	Nut-Hex Slotted
31	1-806800	2	Pin-Cotter
40	103-3978	2	Wheel And Tire ASM
41	242-50	8	Nut-Lug



Motion Control Assembly

Ref	Part No.	Qty.	Description
1	1-403180	2	Screw-HH
2	103-4101	2	Pin-Damper
3	3256-23	4	Washer-Flat
4	32120-35	2	E-Ring
5	103-4079	2	Damper-Control, Motion
7	1-633102	4	Bearing-Flange, Side
8	103-4774	1	Control-Motion, LH
9	32128-20	12	Nut-HF
10	103-4326	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	103-3066	1	Link-Rod, Tracking
11	3256-3	4	Washer-Flat
13	322-6	4	Screw-HH
14	3290-357	6	Nut-HHF
15	103-0631	1	LH Lever ASM
15:1	1-633257	1	Grip-Control, Motion
16	3219-2	4	Nut-Hex
19	323-4	6	Screw-HH
20	103-3717	2	Arm-Control

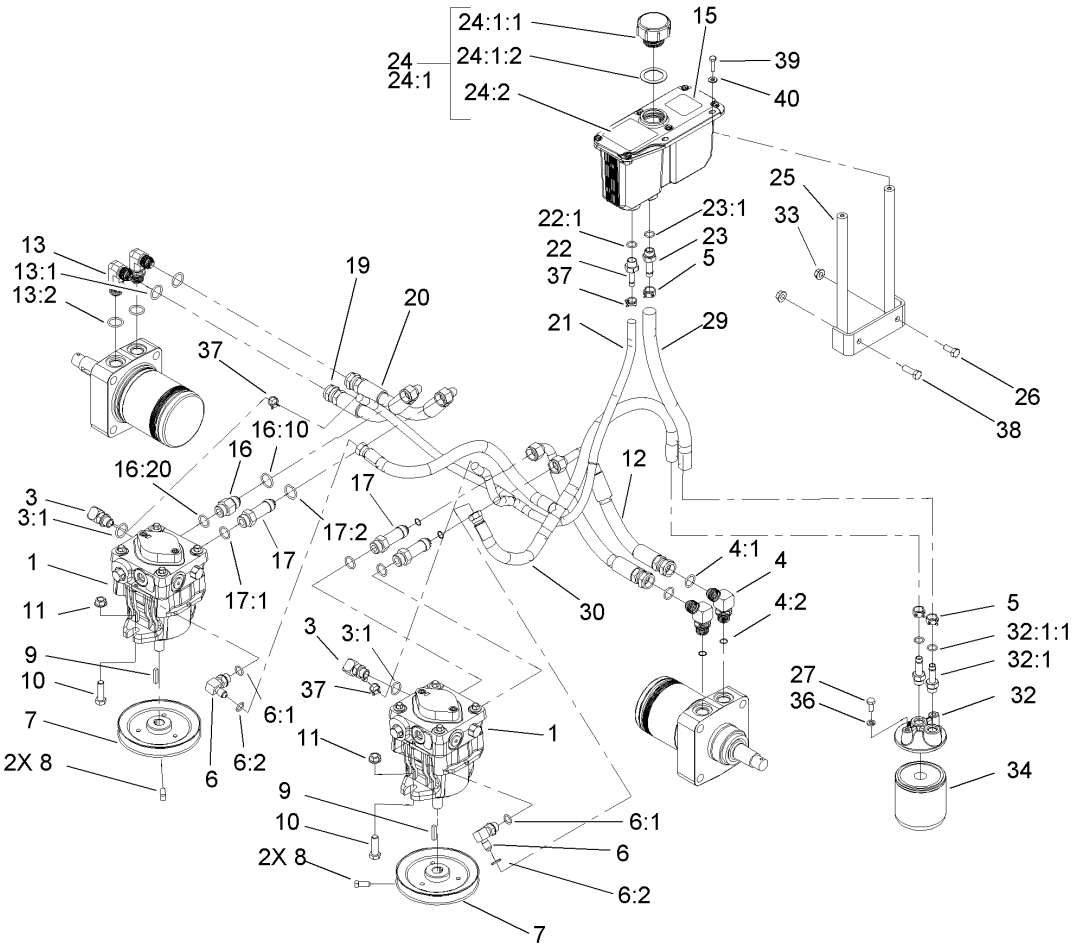
Ref	Part No.	Qty.	Description
21	1-803022	2	Screw-Set
23	103-4773	1	Control-Motion, RH
24	3296-39	6	Nut-Lock, NI
25	103-0407	2	Arm-Shaft, Control
26	98-5975	4	Washer-Belleville
27	323-6	4	Screw-HH
28	103-0632	1	RH Lever ASM
28:1	1-633257	1	Grip-Control, Motion
30	323-9	6	Screw-HH
31	1-603737	2	Bolt-Return, Neutral
32	1-603807	2	Spring-Return, Neutral
33	1-603735	2	Bushing-Flanged
36	3256-2	2	Washer-Flat
37	3220-2	2	Nut-Jam
38	1-303105	2	Yoke-Adjustable
39	1-808280	2	Pin-Clevis
40	3272-5	2	Pin-Cotter
41	103-4327	1	Tracking ASM
41:1	1-543017	1	Balljoint-RH
41:2	1-633152	1	Balljoint-Thread, LH
41:3	1-804524	1	Nut
41:4	103-3066	1	Link-Rod, Tracking
41:5	3219-2	3	Nut-Hex



Hydraulic System Assembly

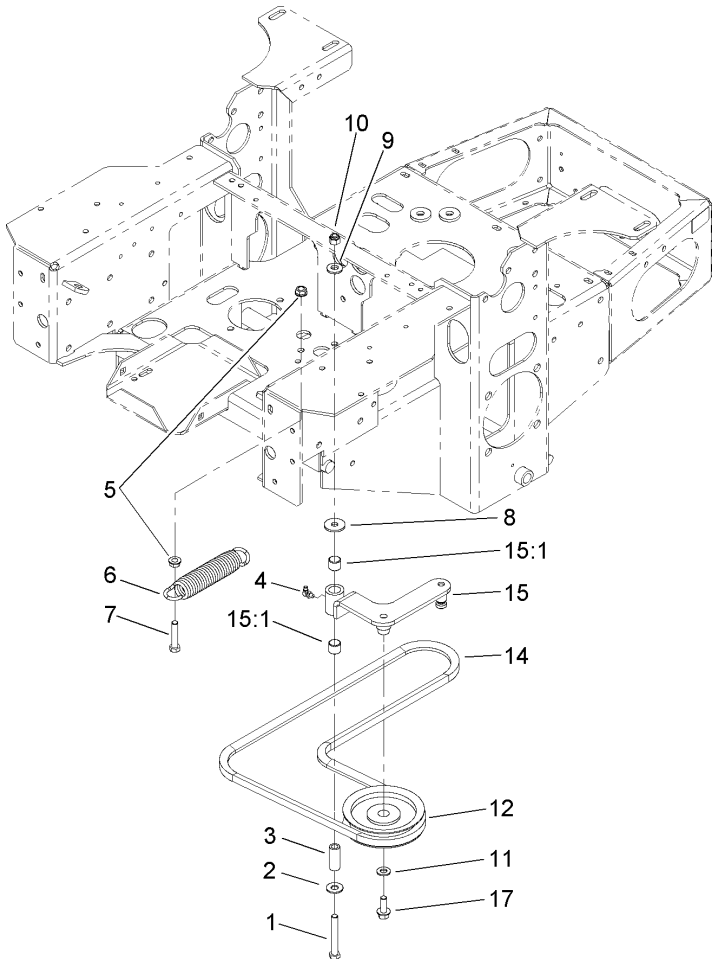
Ref	Part No.	Qty.	Description
1	103-4040	2	Pump-HYD
3	103-1799	2	Elbow-90 DEG
3:1	237-42	1	O-Ring
4	103-2153	2	Fitting-90 DEG
4:1	1-603920	1	O-Ring
4:2	1-603992	1	O-Ring
5	103-1988	3	Clamp-Hose
6	103-1802	2	Fitting-Hyd, 90 DEG
6:1	1-603921	1	O-Ring
6:2	237-42	1	O-Ring
7	1-653156	2	Pulley
8	1-803050	2	Screw-Set
9	1-807272	2	Key
10	323-7	4	Screw-HH
11	3290-357	5	Nut-HHF
12	103-4022	1	Hose-Lh, Rear
13	103-4797	2	Elbow-90 DEG
13:1	1-603920	1	O-Ring
13:2	1-603992	1	O-Ring
15	103-2644	1	Decal-Exhaust
16	103-4020	1	Adapter-Straight
16:10	1-603920	1	O-Ring
16:20	1-603992	1	O-Ring
17	103-1940	3	Adapter-Hyd, Straight

Ref	Part No.	Qty.	Description
17:1	237-79	1	O-Ring
17:2	1-603992	1	O-Ring
19	103-4021	1	Hose-Rh, Rear
20	1-653187	2	Hose-Rear, RH
21	103-2357	1	HYD Hose ASM
22	103-1801	1	Adapter-Straight
22:1	237-42	1	O-Ring
23	103-1912	1	Adapter-Straight
23:1	237-42	1	O-Ring
24	103-1947	1	HYD Reservoir ASM
❷24:1		1	Reservoir-HYD
24:1:1	103-1948	1	Cap-Reservoir, HYD
24:1:2	103-1949	1	Gasket-Cap
24:2	1-523552	1	Decal-Tank, HYD
25	103-3071-03	1	Stand-Reservoir
26	322-3	1	Screw-HH
27	321-3	2	Screw-HH
29	103-3077	1	HYD Hose ASM
30	103-2930	1	HYD Hose ASM
32	103-2889	1	Filter Head ASM
32:1	103-1912	2	Adapter-Straight
32:1:1	237-42	1	O-Ring
33	32128-20	2	Nut-HF
34	1-633752	1	Filter-Hyd, Winter



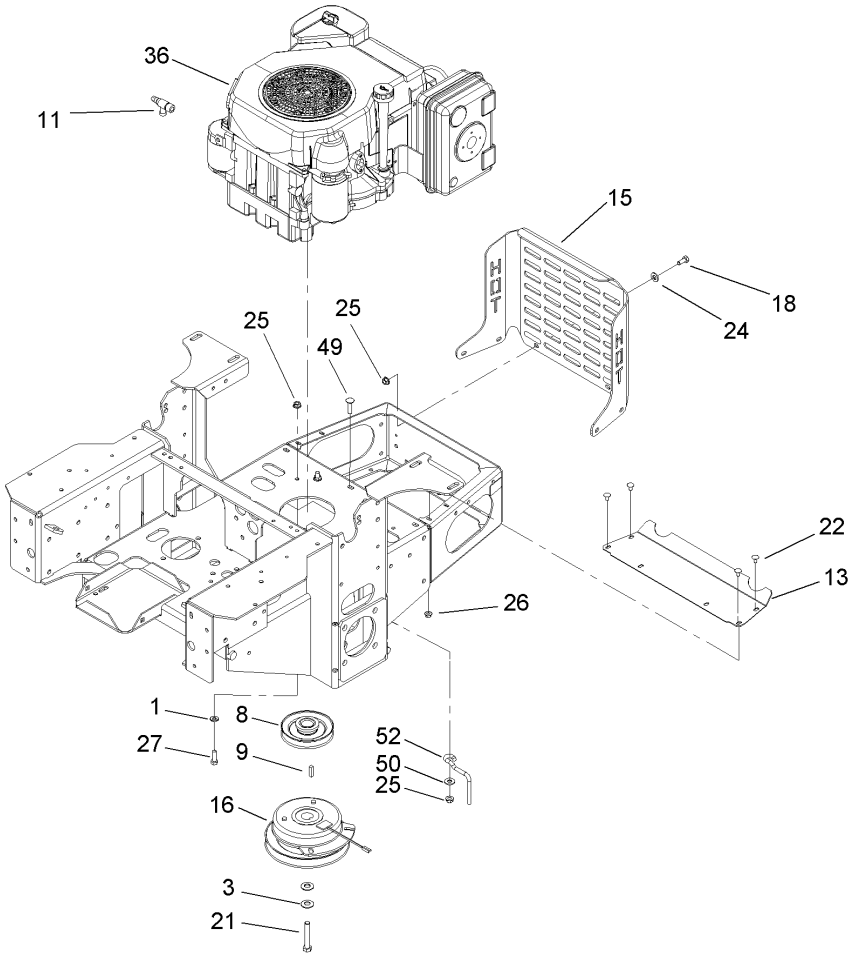
Hydraulic System Assembly (continued)

Ref	Part No.	Qty.	Description
34	1-633750	1	Filter-HYD
36	1-805004	2	Washer-Lock
37	103-1716	3	Clamp-Hose
38	322-5	1	Screw-HH
39	321-6	2	Screw-HH
40	3256-22	2	Washer-Flat



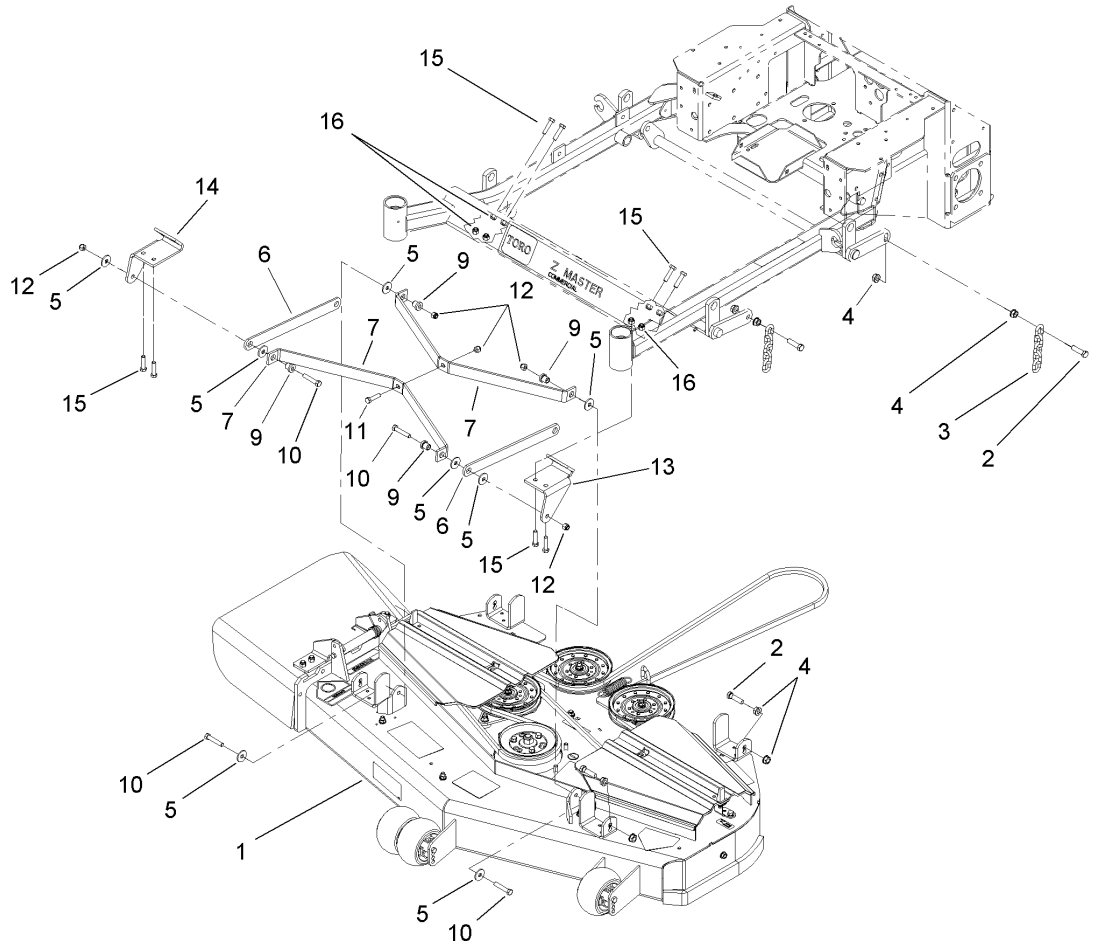
Pump Idler and Belt Assembly

Ref	Part No.	Qty.	Description
1	323-13	1	Screw-HH
2	3256-4	1	Washer-Flat
3	1-603044	1	Bushing
4	302-40	1	Fitting-Grease
5	3290-357	2	Nut-HHF
6	103-4480	1	Spring-Extension
7	323-9	1	Screw-HH
8	63-8410	1	Washer
9	98-5975	1	Washer-Belleville
10	3296-39	1	Nut-Lock, NI
11	3256-24	1	Washer-Flat
12	1-603843	1	Pulley-Idler
14	107-3959	1	Belt-Cog
15	103-4482	1	Idler Arm ASM
15:1	103-4681	2	Sleeve-Bearing
17	3234-11	1	Screw-HHF



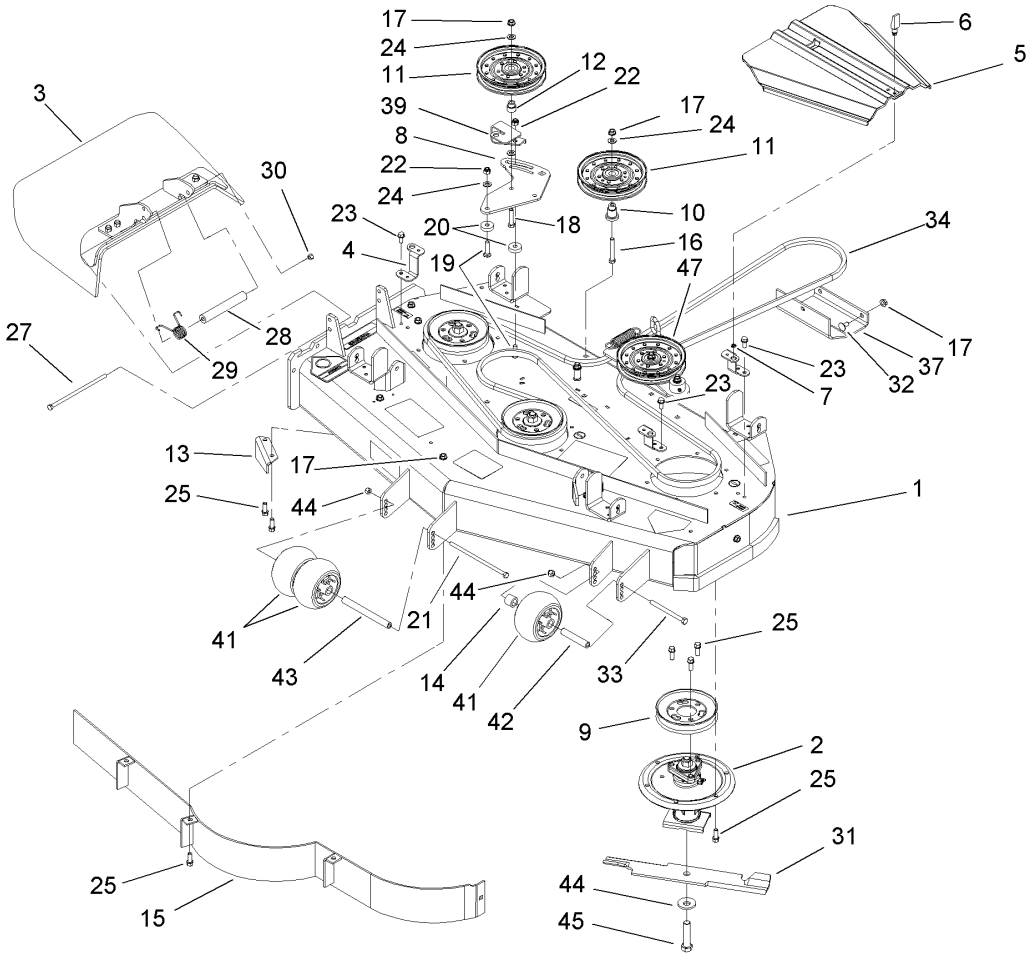
Engine, Clutch and Muffler Assembly

Ref	Part No.	Qty.	Description
1	1-303334	4	Washer-Spring
3	1-603610	2	Washer-Spring
8	1-653035	1	Pulley
9	1-807259	1	Key
11	103-1965	1	Valve-Drain, Oil
13	103-2740-03	1	Deflector-Short
15	103-4048-03	1	Bumper-Rear
16	104-3624	1	Clutch
18	322-3	6	Screw-HH
21	3212-10	1	Screw-HH
22	3229-10	4	Screw-CARR
24	3256-24	6	Washer-Flat
25	32128-20	7	Nut-HF
26	32128-33	4	Nut-HF
27	33114-025	4	Screw-HH
❸❹36		1	Engine, Kohler Cv493s
49	3230-3	1	Screw-CARR
50	3256-3	1	Washer-Flat
52	108-1058	1	Rod-Belt



Deck Mounting Assembly

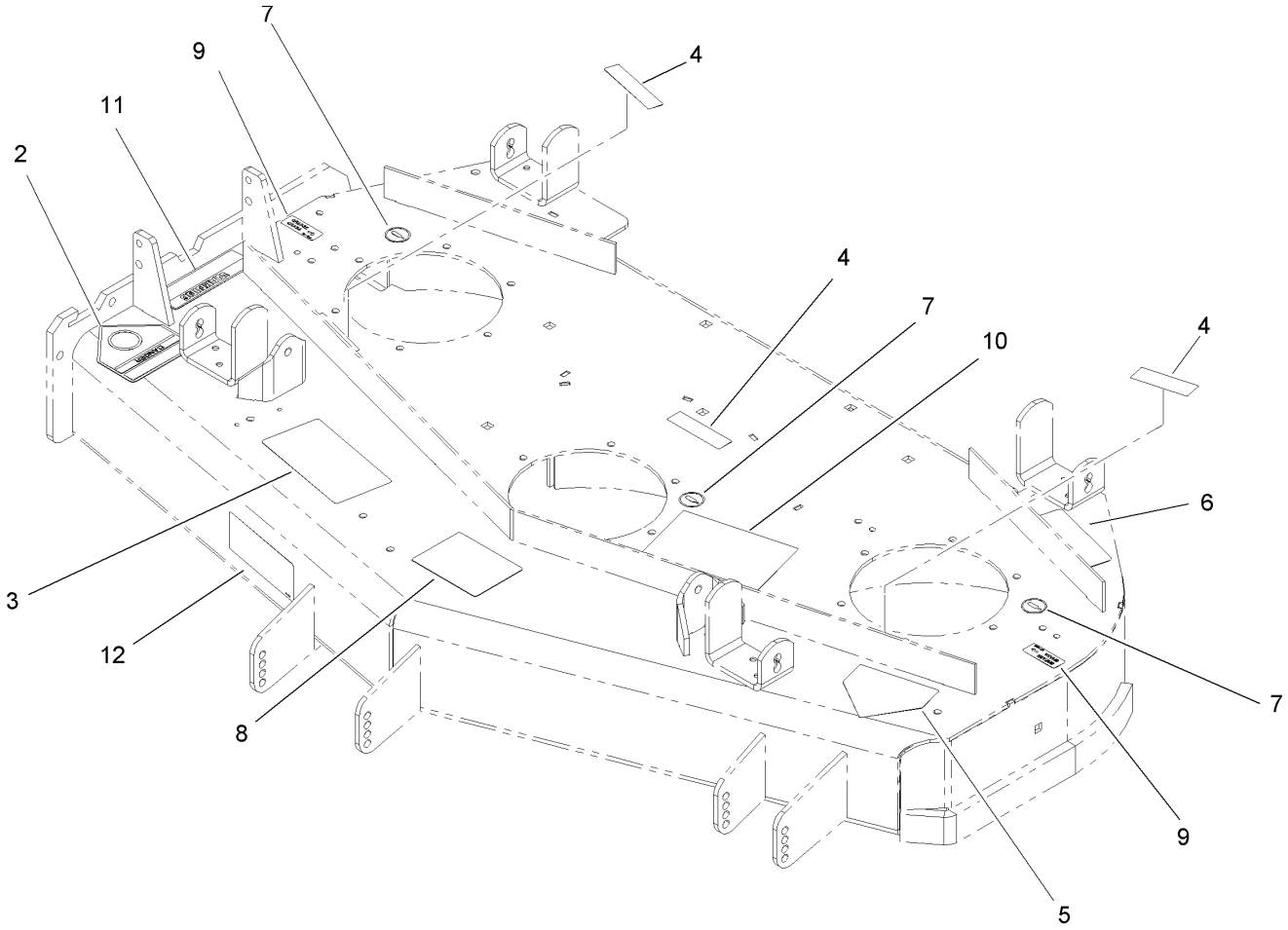
Ref	Part No.	Qty.	Description
1	107-1667	1	Deck ASM
2	103-1898	8	Screw-HH
3	1-633447	4	Chain-Lift, Deck
4	32128-37	16	Nut-HF
5	63-8410	8	Washer
6	107-1698-01	2	Strut-Flat
7	108-2168-01	2	Brace-Cross
9	65-5950	4	Bushing-Pulley
10	323-10	4	Screw-HH
11	323-8	1	Screw-HH
12	3296-39	6	Nut-Lock, NI
13	108-2164-01	1	Plate-Pull, LH
14	108-2165-01	1	Plate-Pull, RH
15	323-6	8	Screw-HH
16	3290-357	8	Nut-HHF



Deck Assembly No. 107-1667

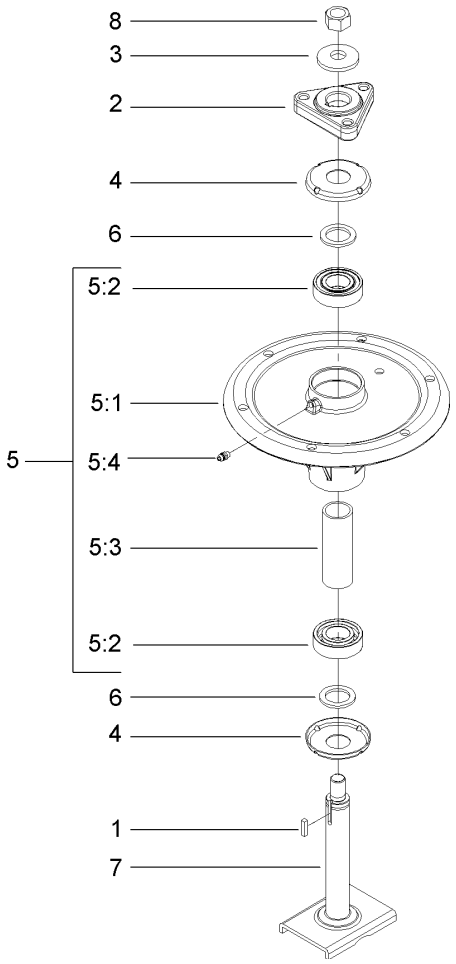
Ref	Part No.	Qty.	Description
1	107-1666	1	Deck Decal ASM
2	107-8504	3	Spindle ASM
3	108-4060	1	Rubber Deflector ASM
4	108-2177-01	3	Bracket-Cover, Tall
5	107-8536	2	Cover-Belt
6	74-5950	2	Latch-Swell
7	99-3058	2	Washer
8	107-8516-01	1	Plate-Idler
9	107-1684	3	Pulley
10	106-3214	1	Mount-Pulley
11	1-633109	2	Idler-Flat
12	1-603496	1	Bushing-Idler
13	107-8541-01	1	Baffle-Discharge
14	98-7913	1	Tube-Spacer
15	108-2187-01	1	Baffle ASM
16	323-12	1	Screw-HH
17	3290-357	32	Nut-HHF
18	323-9	1	Screw-HH
19	3231-4	2	Screw-CARR
20	105-7788	2	Spacer
21	323-28	1	Screw-HH
22	3296-39	4	Nut-Lock, NI
23	32144-70	3	Screw-HH
24	3256-24	4	Washer-Flat

Ref	Part No.	Qty.	Description
25	92-1624	32	Screw
27	322-50	2	Screw-HH
28	105-4622	1	Spacer
29	107-1663	1	Spring-Torsion
30	3296-29	1	Nut-Lock, NI
31	107-3192-03	3	Blade-Rotary, 16.5 High Flow
32	3231-1	7	Screw-CARR
33	323-23	1	Screw-HH
34	106-7369	1	Belt-V
37	107-3166-01	1	Skid
39	108-2228-01	1	Bracket-Cover
41	1-603299	3	Roller-Anti Scalp
42	98-7912	1	Tube-Spanner
43	98-5967	1	Spacer-Wheel
44	103-0865	3	Washer-Blade Bolt, Heavy
45	103-0862	3	Screw-Cap
47		1	Idler ASM
99	107-3193-03	3	Blade-Rotary, 16.5 Low Flow
99	107-3196-03	3	Blade-Rotary, 16.5in Recycling
99	107-3195-03	3	Blade-Rotary, 16.5 Atomic
99	107-3194-03	3	Blade-Rotary, 16.5 Med Flow



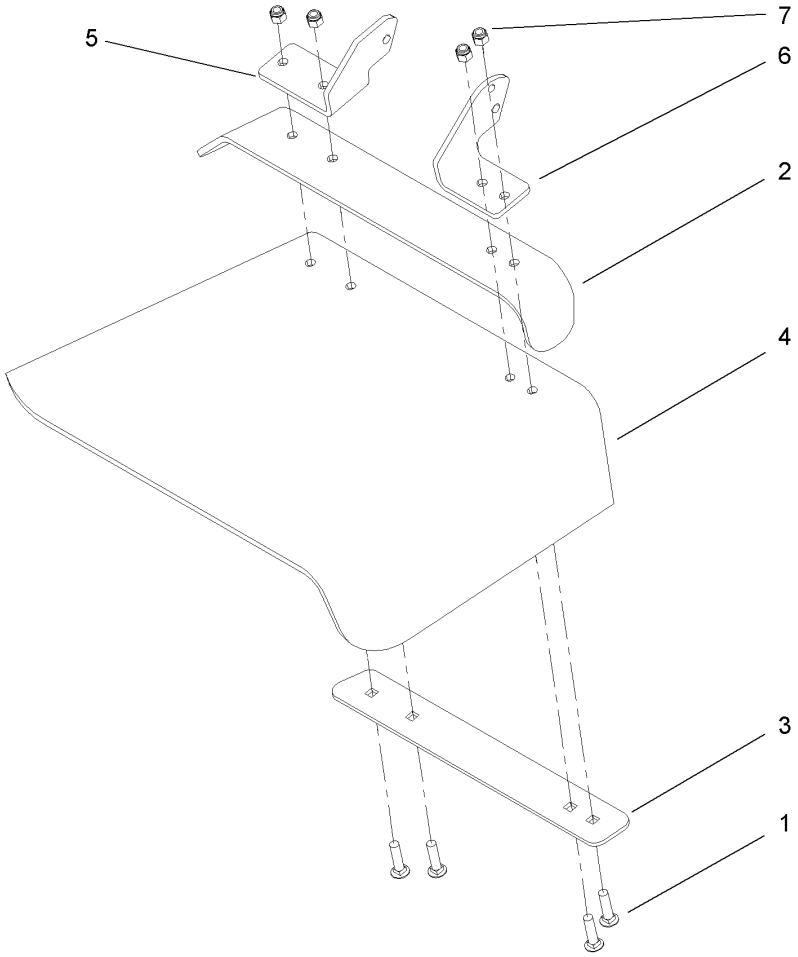
Deck Decal Assembly

Ref	Part No.	Qty.	Description
2	54-9220	1	Decal-Danger
3	66-1340	1	Decal-Danger
4	98-5954	3	Decal-Missing, Cover
5	1-403005	1	Decal-Danger
6	68-8340	1	Decal-Torque
7	58-6520	3	Decal-Grease
8	105-7798	1	Decal-Anti Scalp
9	107-1613	3	Decal-Grease
10	107-1687	1	Decal-Aid, Service
11	104-8569	1	Decal-Warning
12	107-1695	1	Decal



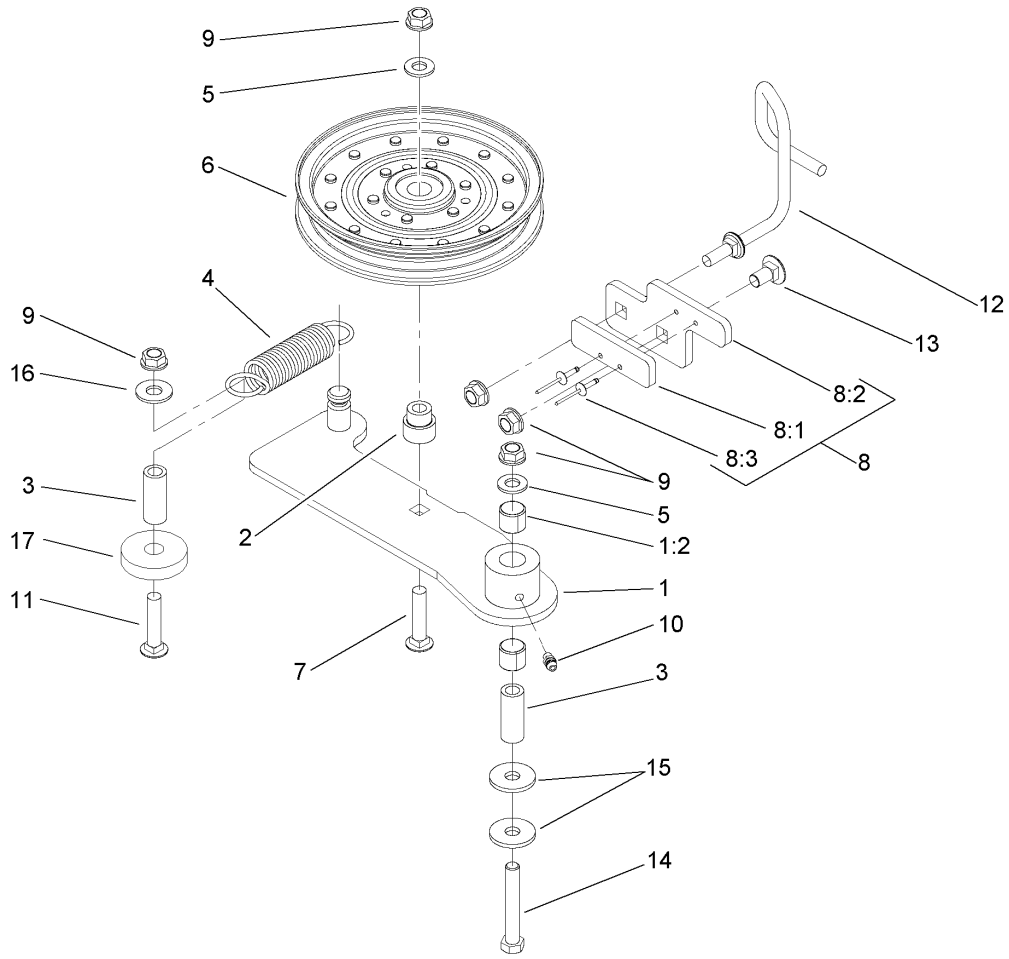
Spindle Assembly No. 107-8504

Ref	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
❷5		1	Spindle Bearing ASM
5:1	106-3211	1	Housing-Spindle
5:2	113514	2	Bearing-Ball
5:3	107-8502	1	Spacer-Bearing
5:4	302-5	1	Fitting-Grease
6	3-8514	2	Washer-Thrust
7	107-8501	1	Spindle ASM
8	3219-6	1	Nut-Hex



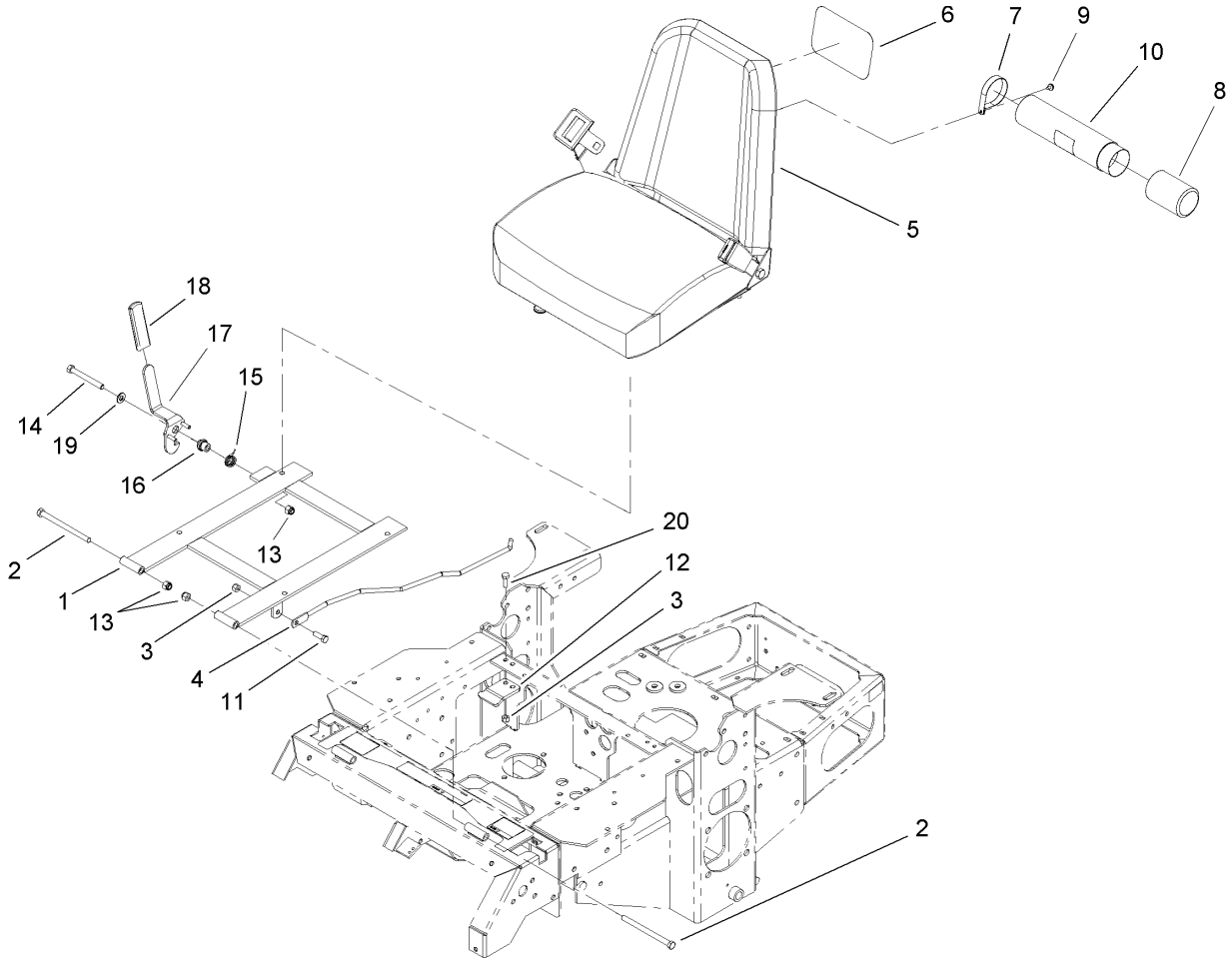
Rubber Deflector Assembly No. 108-4060

Ref	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	Defelector-Rubber
5	108-4059-01	1	Plate-Hinge, Rear
6	108-4058-01	1	Plate-Hinge, Front
7	3296-39	4	Nut-Lock, NI



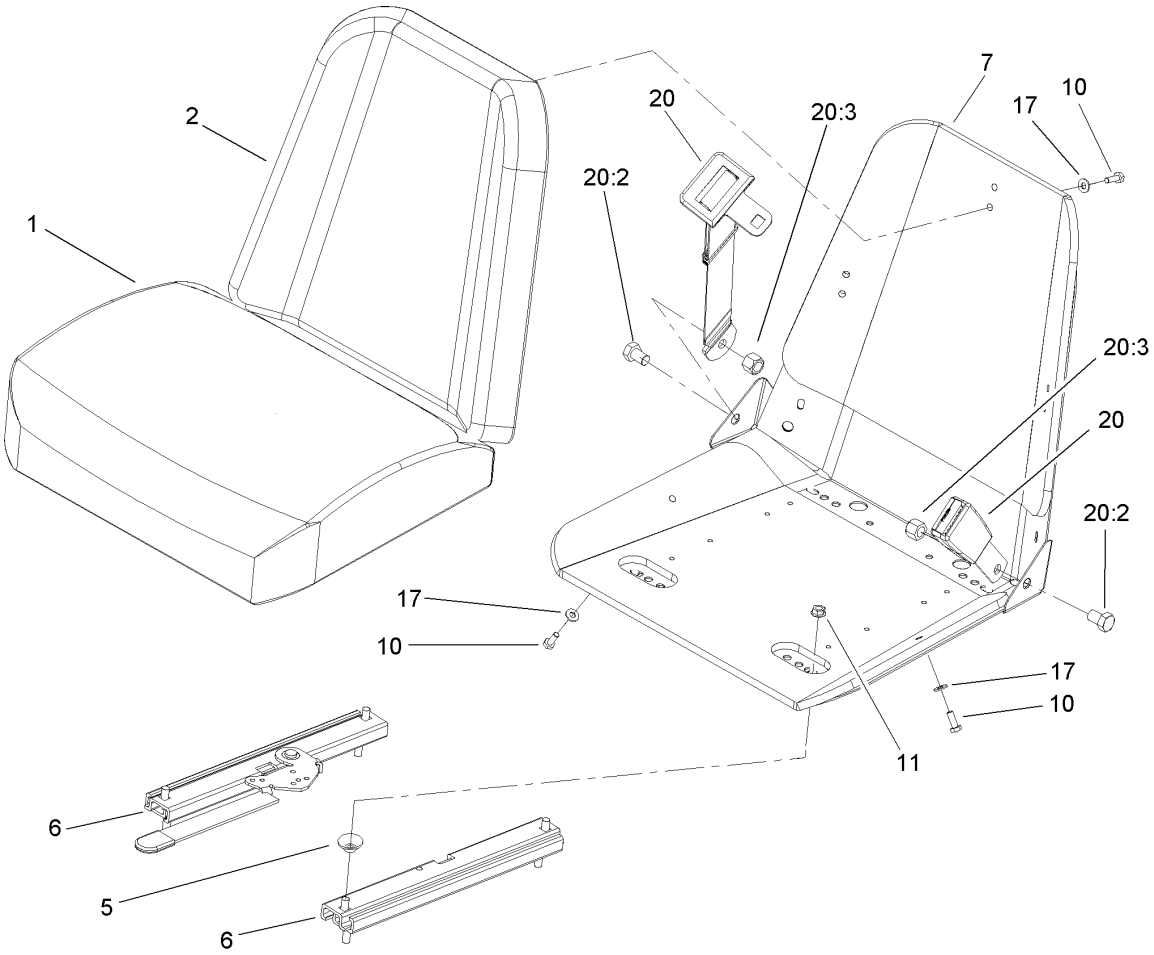
Idler Assembly

Ref	Part No.	Qty.	Description
1	108-4062	1	Idler Arm ASM
1:2	103-4681	2	Sleeve-Bearing
2	1-603496	1	Bushing-Idler
3	1-603044	2	Bushing
4	1-603402	1	Spring-Extension
5	3256-24	2	Washer-Flat
6	1-633109	1	Idler-Flat
7	3231-6	1	Screw-CARR
❷8		1	Stop Pad ASM
8:1	106-3229	1	Pad-Bumber
8:2	107-1697-01	1	Plate-Stop
8:3	3269-24	2	Rivet
9	3290-357	5	Nut-HHF
10	302-5	1	Fitting-Grease
11	3231-31	1	Screw-CARR
12	108-4072	1	Guide-Belt
13	3231-1	1	Screw-CARR
14	323-12	1	Screw-HH
15	2844	2	Washer
16	3256-4	1	Washer-Flat
17	108-2239	1	Stop-Plastic



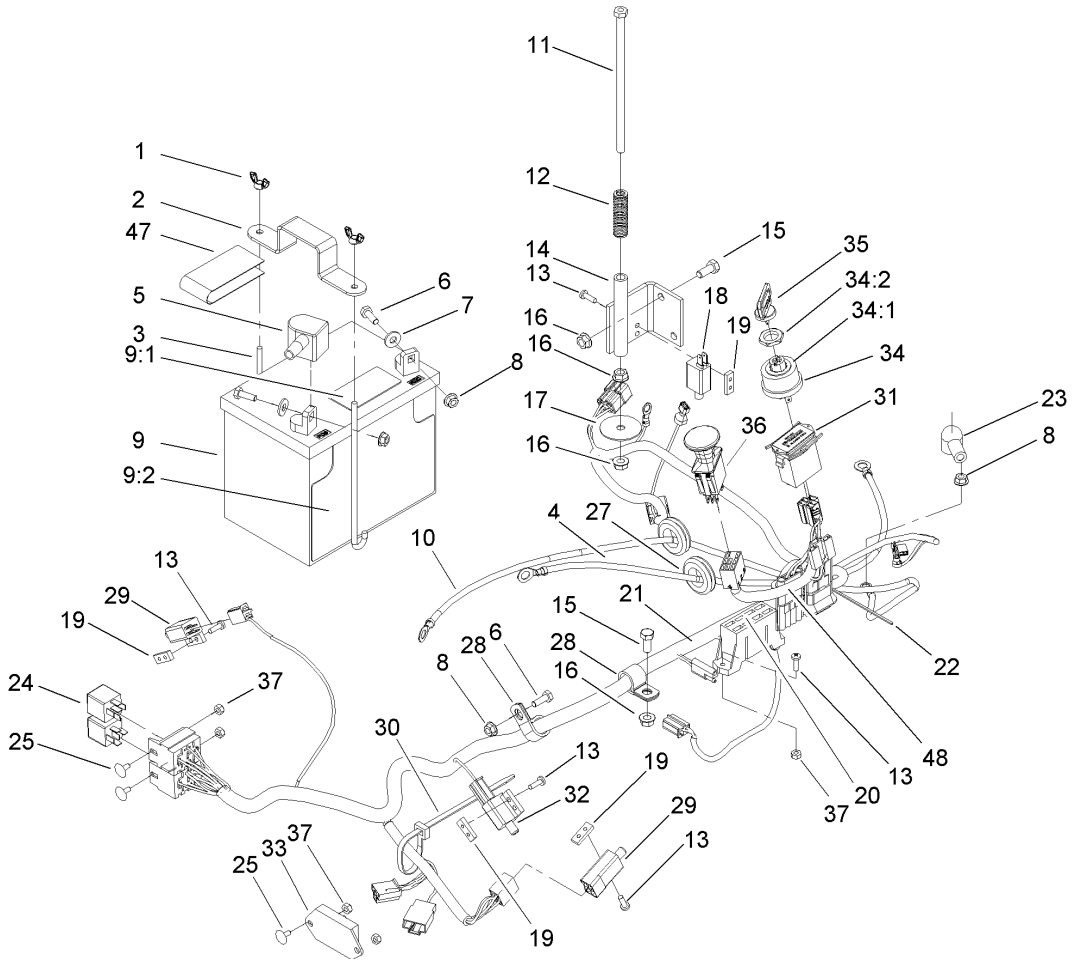
Seat and Bracket Assembly

Ref	Part No.	Qty.	Description
1	107-3052-03	1	Seat Support Frame ASM
2	323-39	2	Screw-HH
3	3296-29	3	Nut-Lock, NI
4	103-1731	1	Rod-Retainer, Seat
5	107-2116	1	Seat ASM
6	99-4693	1	Decal
7	2412-120	2	R-Clamp
8	104-7048	1	Cap-Housing
9	32104-76	2	Screw
10	104-7050	1	Housing-Manual
11	322-5	1	Screw-HH
12	103-5961	1	Catch-Latch, Seat
13	3296-39	3	Nut-Lock, NI
14	323-20	1	Screw-HH
15	107-0076	1	Spring-Torsion
16	107-0075	1	Bushing-Latch, Seat
17	107-3083	1	Latch ASM
18	62-9130	1	Grip-Handle
19	3256-24	1	Washer-Flat
20	322-4	2	Screw-HH



Seat Assembly No. 107-2116

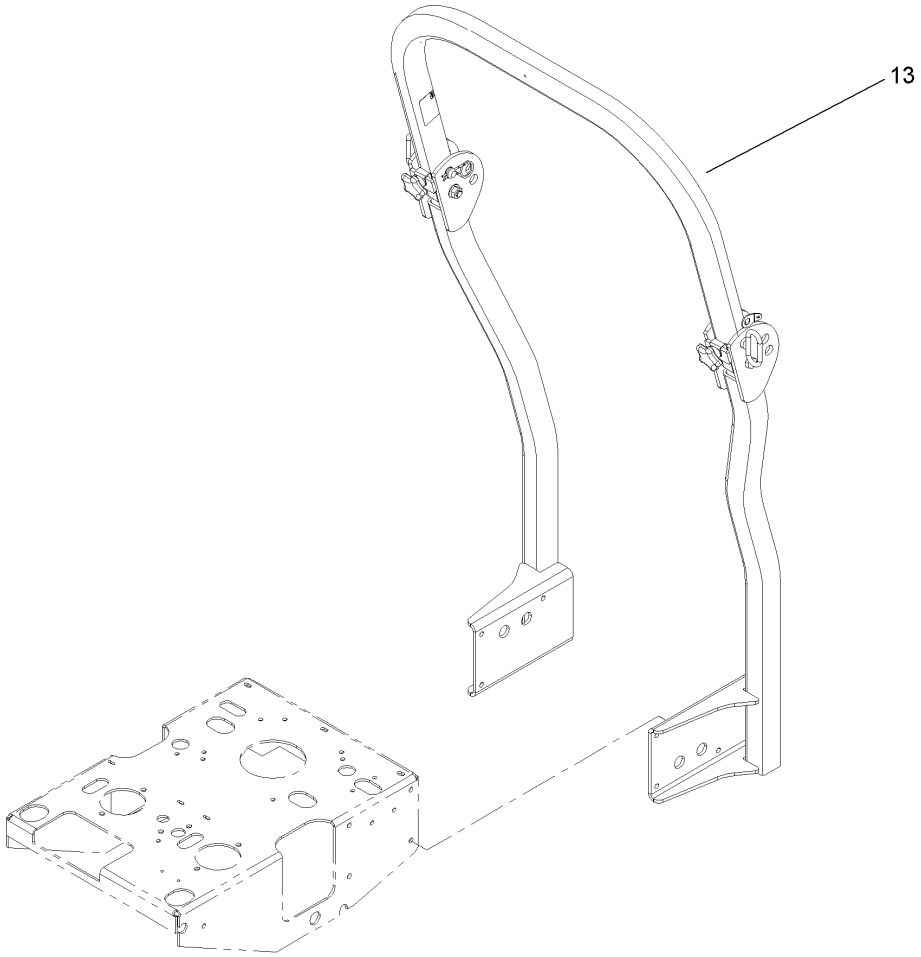
Ref	Part No.	Qty.	Description
1	103-0290	1	Cushion-Seat, Bottom
2	104-7754	1	Cushion-Seat, Back
5	1-543401	4	Spacer-Track
6	1-643255	1	Track-Seat
7	1-633859	1	Frame-Seat
10	321-4	5	Screw-HH
11	32128-20	4	Nut-HF
17	3256-22	5	Washer-Flat
20	103-4469	1	Seatbelt Kit
20:2	3212-4	2	Screw-HH
20:3	3296-38	2	Nut-Lock NI



Electrical System Assembly

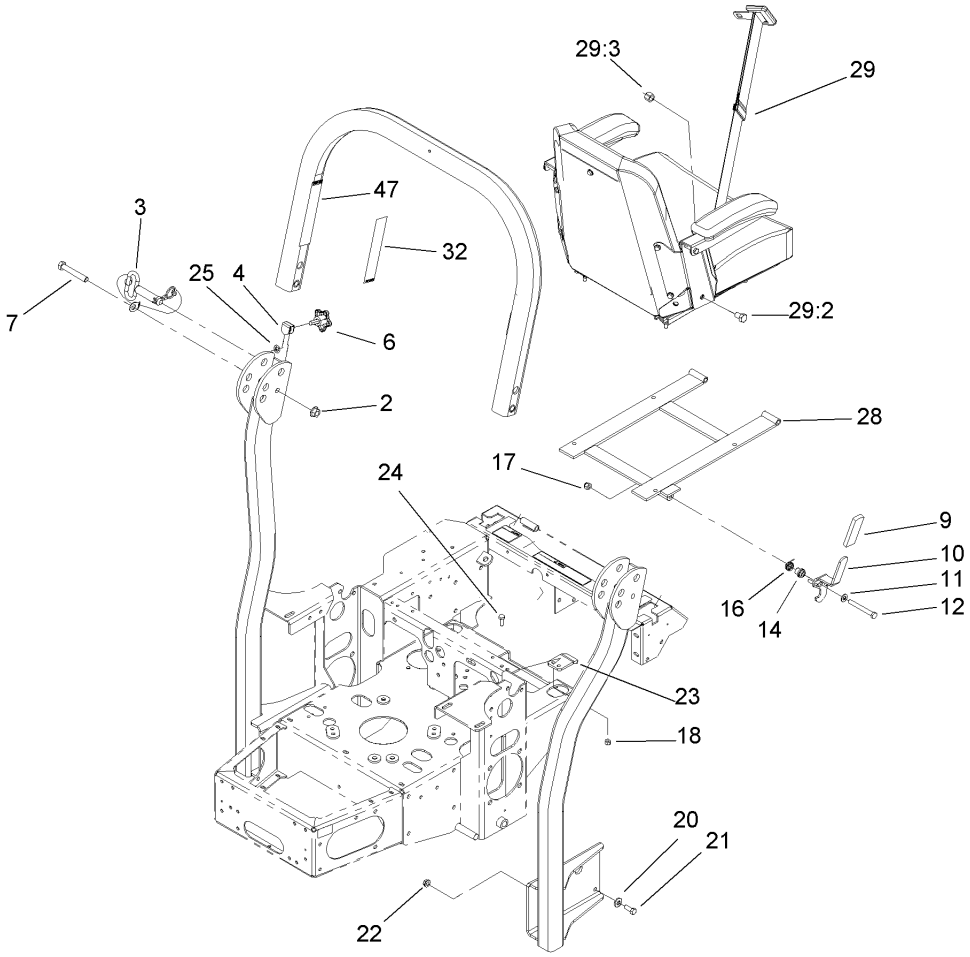
Ref	Part No.	Qty.	Description
1	1-543792	2	Wingnut
2	1-633652-03	1	Strap-Holddown
3	1-633651	2	Bolt-Holddown
4	1-543767	1	Wire-Ground
5	1-543391	1	Insulator-Battery
6	321-4	3	Screw-HH
7	3256-2	2	Washer-Flat
8	32128-33	3	Nut-HF
9	105-1692	1	Battery
9:1	104-4163	1	Decal-Battery
9:2	104-4164	1	Decal-Battery
10	1-523281	1	Wire-Starter
11	1-800282	1	Screw-HH
12	1-523415	1	Spring-Switch, Seat
13	1-803075	10	Screw-Head, Truss
14	1-652072-03	1	Bracket-Switch, Seat
15	322-3	3	Screw-HH
16	32128-20	5	Nut-HF
17	1-653036	1	Washer
18	1-513152	1	Switch-Closed, Normally
19	1-633181	4	Plate-Tapped
20	1-816001	2	Fuse-Blade Type, 20 Amp
21	107-8053	1	Harness-Electrical
22	1-303287	3	Tie-Plastic

Ref	Part No.	Qty.	Description
23	1-543393	1	Insulator-Solenoid
24	1-643275	2	Relay
25	1-807513	4	Bolt-CARR
27	1-543286	3	Grommet
28	1-633396	2	Clip-Loom
29	1-513051	2	Switch-Open, Normally
30	1-303335	4	Tie-Plastic
31	1-513374	1	Meter-Hour
32	1-633111	1	Switch
33	100-6186	1	Module-Delay, Seat
34	88-9830	1	Key Switch ASM
34:1	3254-5	1	Washer-Tooth
34:2	218-461	1	Nut-HH
35	63-8360	2	Key-Ignition
36	1-633673	1	Switch-Delta
37	3296-2	6	Nut-Lock
47	107-9309	1	Decal-Instructions, Charging
48	107-8054	1	Harness-Electrical, Control Panel



Roll-Over-Protection-System Assembly

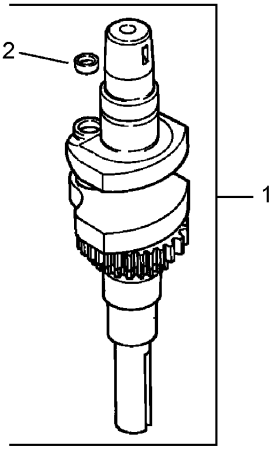
Ref	Part No.	Qty.	Description
13	107-8093	1	Rops ASM



Roll-Over-Protection-System Assembly No. 107-8093

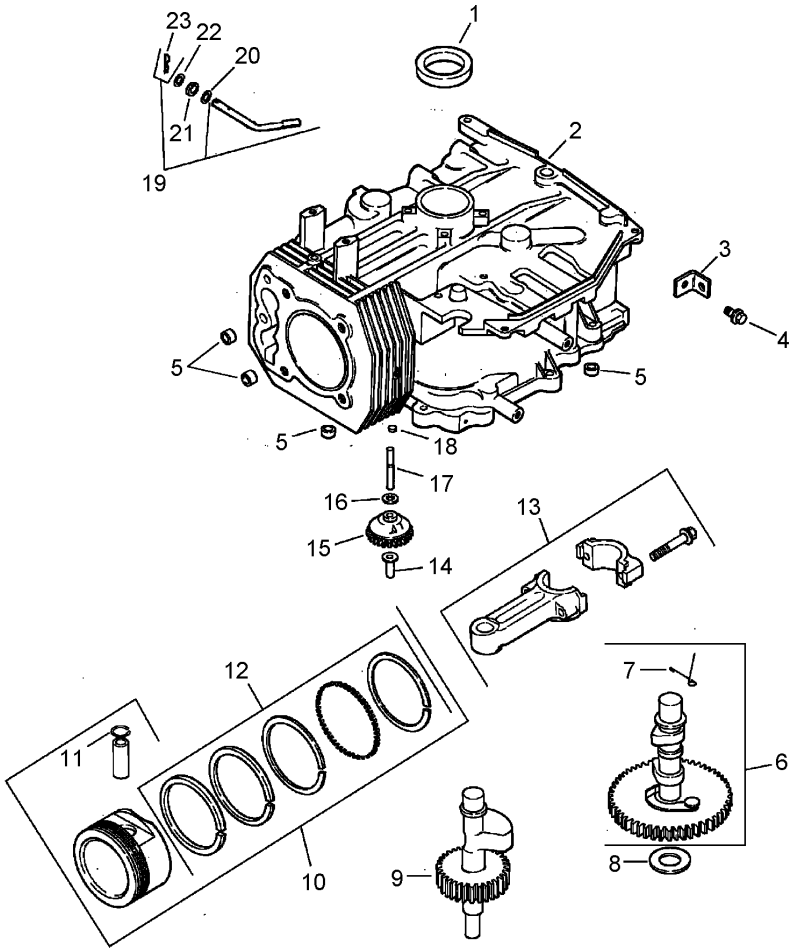
Ref	Part No.	Qty.	Description
2	32128-23	2	Nut-HF
3	103-4553	2	Rops Fold Pin ASM
4	107-3124	2	Clip
6	106-0887	2	Knob
7	325-13	2	Screw-HH
9	62-9130	1	Grip-Handle
10	107-3083	1	Latch ASM
11	3256-24	1	Washer-Flat
12	323-20	1	Screw-HH
14	107-0075	1	Bushing-Latch, Seat
16	107-0076	1	Spring-Torsion
17	3296-39	1	Nut-Lock, NI
18	3296-29	2	Nut-Lock, NI
20	98-5975	8	Washer-Belleville
21	323-6	8	Screw-HH
22	3290-357	8	Nut-HHF
23	107-3059	1	Catch-Latch, Seat
24	322-4	2	Screw-HH
25	107-3154	2	Nut-Push
28	107-3052-03	1	Seat Support Frame ASM
29	103-4469	1	Seatbelt Kit
29:2	3212-4	2	Screw-HH
29:3	3296-38	2	Nut-Lock NI
32	107-3069	1	Decal-Warning, Folding Rops

Ref	Part No.	Qty.	Description
47	107-2102	1	Decal-Warning, Folding Rops



Group 1 - Crankshaft Assembly
Kohler CV493S 27528

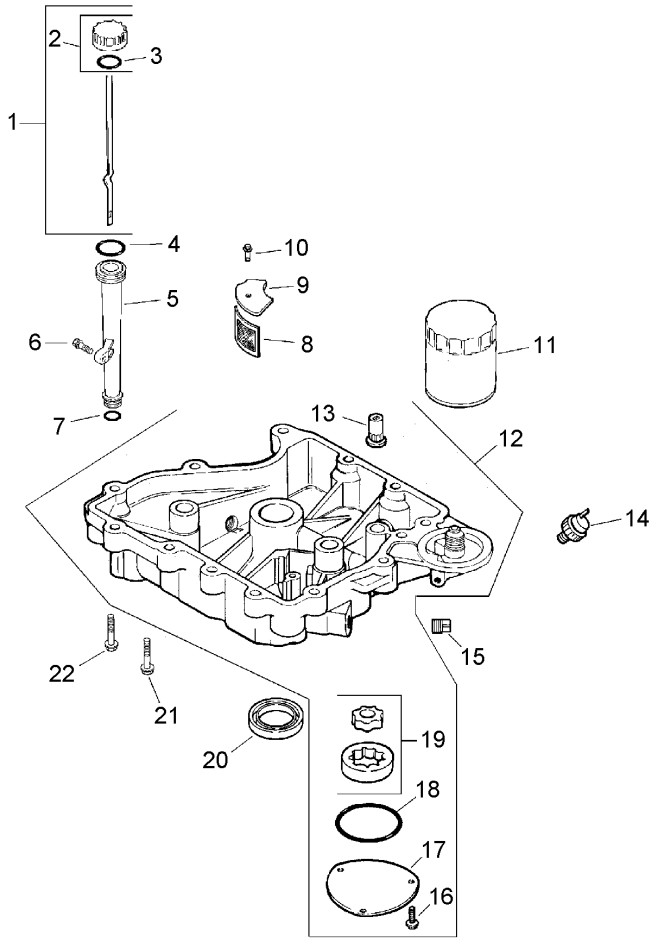
Ref	Part No.	Qty.	Description
❹1	12 014 61-S	1	Crankshaft (Incl. Ref. #2)
❹2	25 139 27-S	1	Plug-Cup



Group 2 - Crankcase Assembly
Kohler CV493S 27528

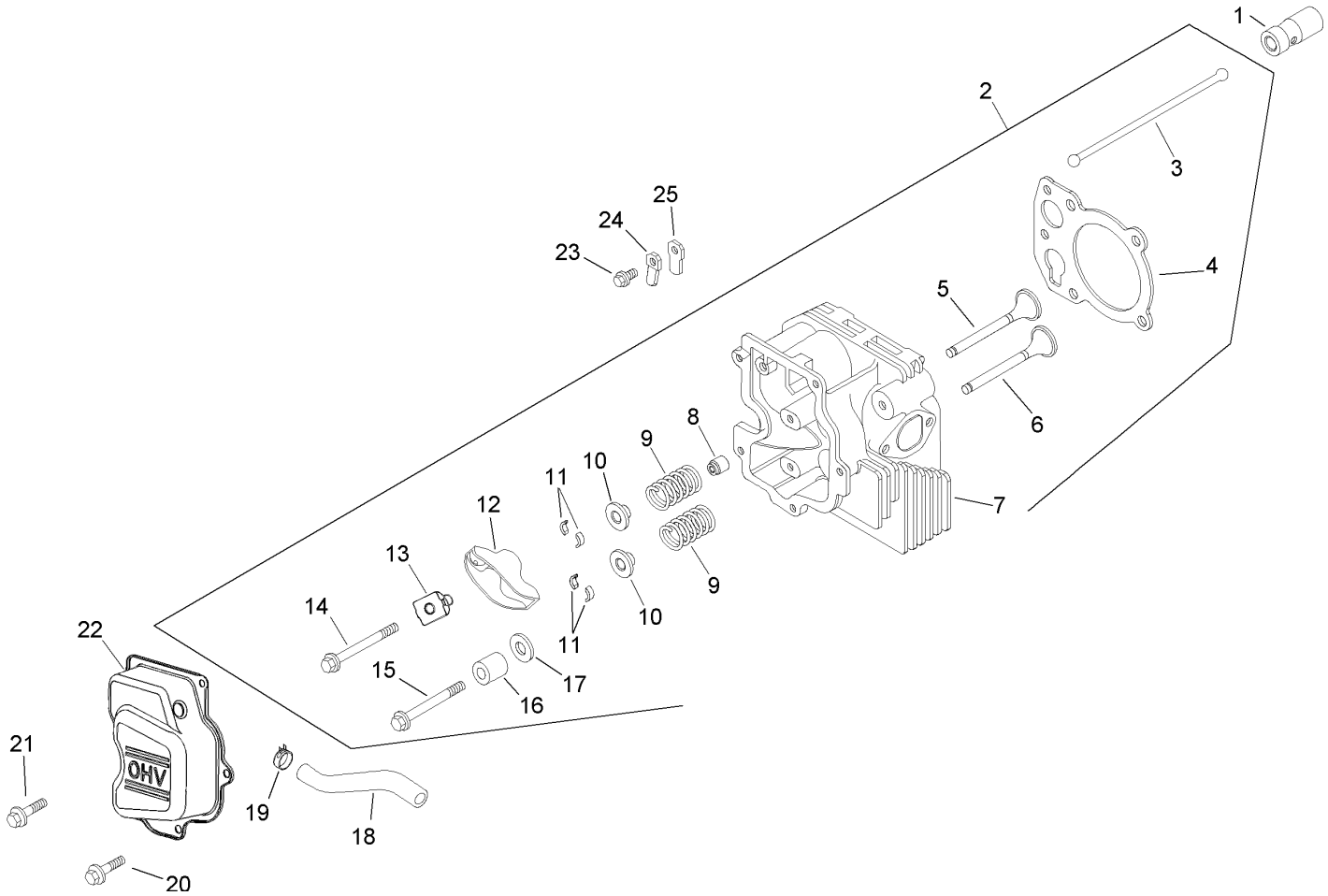
Ref	Part No.	Qty.	Description
❹1	12 032 03-S	1	Seal-Oil, Front
❷❹2		1	Crankcase (Use Short Block Or Miniblock)
❹3	12 445 02-S	1	Strap-Lifting
❹4	M-839025-S	1	Screw-Hex Flange, M8x1.25x25
❹5	24 380 13-S	4	Pin-Locating
❹6	12 010 30-S	1	Camshaft ASM (Incl. Ref. #7)
❹7	12 089 37-S	1	Spring-Actuating
❹8	12 422 08-S	1	Shim-Camshaft, Blue
❹8	12 422 09-S	1	Shim-Camshaft, Red
❹8	12 422 10-S	1	Shim-Camshaft, Yellow
❹8	12 422 11-S	1	Shim-Camshaft, Green
❹8	12 422 12-S	1	Shim-Camshaft, Gray
❹8	12 422 13-S	1	Shim-Camshaft, Black
❹8	12 422 07-S	1	Shim-Camshaft, White
❹9	12 144 28-S	1	Shaft-Balance
❹10	12 874 07-S	1	Piston W/ring Set (Std.) (Incl. Ref. #11 And 12)
❹10	12 874 11-S	1	Piston W/ring Set (.08)
❹10	12 874 08-S	1	Piston W/ring Set (.25)
❹10	12 874 09-S	1	Piston W/ring Set (.50)
❹11	12 018 02-S	2	Retainer-Pin, Piston
❹12	12 108 07-S	2	Ring Set (Std. & .08)
❹12	12 108 08-S	2	Ring Set (.25)

Ref	Part No.	Qty.	Description
❹12	12 108 09-S	2	Ring Set (.50)
❹13	12 067 11-S	1	Rod-Connecting (Std.)
❹13	12 067 12-S	1	Rod-Connecting (.25)
❹14	12 380 01-S	1	Pin-Governor Regulating
❹15	12 043 05-S	1	Gear-Governor
❹16	M-631005-S	1	Washer-Plain (6 Mm)
❹17	12 144 02-S	1	Shaft-Governor Gear
❹18	52 139 09-S	1	Plug-Cup
❹19	12 755 64-S	1	Governor Cross Shaft Kit (Incl. Ref. #23)
❹20	X-25-102-S	1	Washer-Plain, 1/4in
❹21	12 032 01-S	1	Seal-Cross Shaft, Governor
❹22	M-631015-S	1	Washer-Plain, 6mm
❹23	12 154 05-S	1	Clip-Pin, Hitch



Group 3 - Oil Pan/Lubrication Assembly
Kohler CV493S 27528

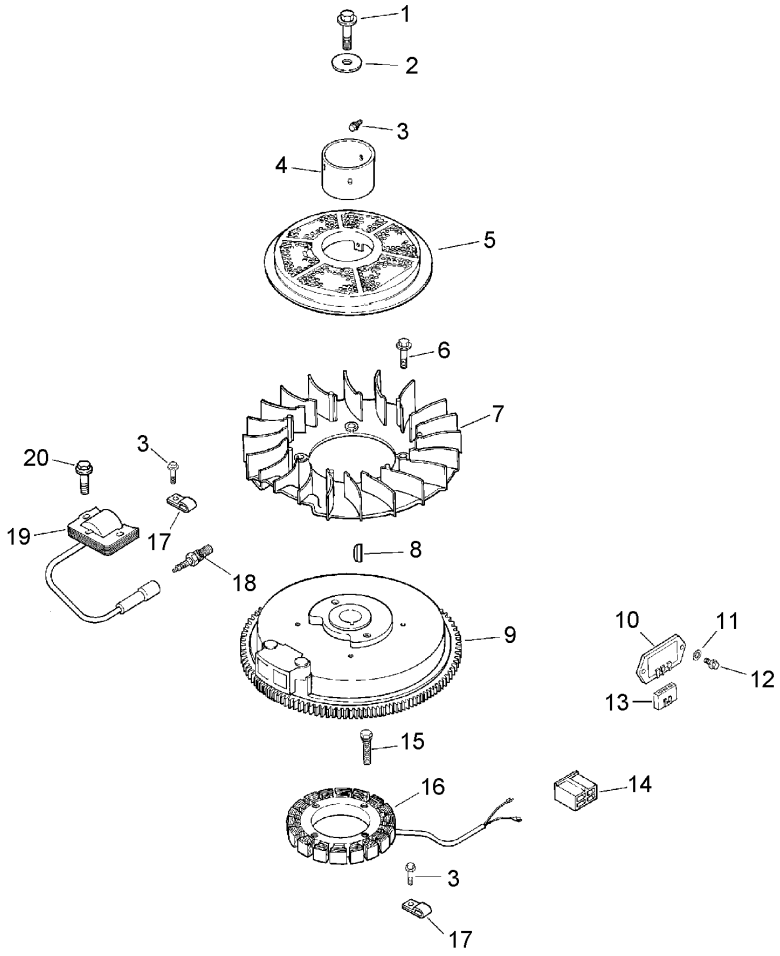
Ref	Part No.	Qty.	Description
❹1	12 038 01-S	1	Dipstick (Incl. Ref. #2 And 3)
❹2	25 755 13-S	1	Oil Fill Cap (Incl. Ref. #3)
❹3	25 153 02-S	1	O-Ring
❹4	12 153 02-S	1	O-Ring (Upper Oil Fill Tube)
❹5	12 123 04-S	1	Tube-Fill, Oil
❹6	M-545020-S	1	Screw-Hex Flange, M5x0.8x20
❹7	12 153 01-S	1	O-Ring (Lower Oil Fill Tube)
❹8	25 162 07-S	1	Screen-Pickup, Oil
❹9	12 096 03-S	1	Cover-Screen, Oil Pickup
❹10	M-545016-S	1	Screw-Hex Flange, M5x0.8x16
❹11	12 050 01-S	1	Filter-Oil
❹12	12 199 50-S	1	Oil Pan ASM (Incl. Ref. #13, 16-19)
❹13	25 462 09-S	1	Valve-Relief, Oil Pressure
❹14	24 099 03-S	1	Switch-Pressure, Oil
❹15	25 139 57-S	2	Plug-Sq. Hd. 3/8 N.p.t.f.
❹16	M-545016-S	3	Screw-Hex Flange, M5x0.8x16
❹17	12 096 34-S	1	Cover-Pump, Oil
❹18	12 153 06-S	1	O-Ring (Oil Pump Cover)
❹19	12 393 01-S	1	Oil Pump ASM
❹20	12 032 03-S	1	Seal-Oil, Front
❹21	24 086 16-S	11	Screw-Hex Flange, M8x1.25x45
❹22	24 086 17-S	1	Screw-Hex Flange, M8x1.25x45



Group 4 - Head/Valve/Breather Assembly
Kohler CV493S 27528

Ref	Part No.	Qty.	Description
❹1	25 351 01-S	2	Lifter-Valve
❹2	12 755 101-S	1	Cylinder Head Kit (Incl. Ref. #3-17)
❹3	12 411 05-S	2	Rod-Push
❹4	12 041 10-S	1	Gasket-Head, Cylinder
❹5	12 017 01-S	1	Valve-Intake (Std.)
❹6	12 016 01-S	1	Valve-Exhaust (Std.)
❹7	12 318 51-S	1	Head-Cylinder
❹8	66 032 05-S	2	Seal-Valve Stem
❹9	12 089 34-S	2	Spring-Valve
❹10	12 173 01-S	2	Cap-Spring, Valve
❹11	12 755 03-S	1	Retainer Kit
❹12	25 186 01-S	2	Arm-Rocker
❹13	12 599 03-S	2	Pivot-Arm, Rocker
❹14	M-645016-S	3	Screw-Hex Flange, M6x1.0x16
❹15	M-640034-S	2	Screw-Hf, M6x1.0x34
❹16	12 112 16-S	2	Spacer
❹17	12 468 05-S	1	Washer-Plain, 13/32in
❹18	12 326 18-S	1	Hose-Breather
❹19	25 237 14-S	1	Clamp-Breather
❹20	20 086 02-S	4	Screw-Hf, M10x1.5x81
❹21	12 086 16-S	1	Screw-Hf, Reduced
❹22	12 096 47-S	1	Cover-Valve
❹23	M-545010-S	1	Screw-Hex Flange, M5x0.8x10
❹24	66 018 04-S	1	Retainer-Breather Reed

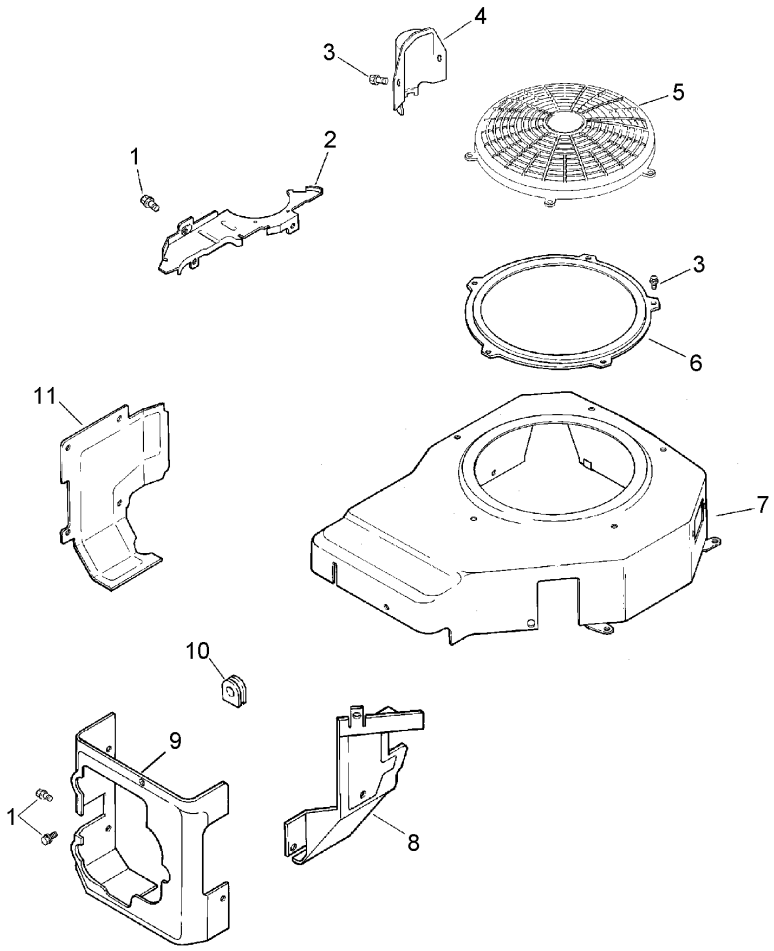
Ref	Part No.	Qty.	Description
❹25	12 402 02-S	1	Reed-Breather
❶❹	12 017 02-S	1	Valve-Intake (.25)
❶❹	12 016 02-S	1	Valve-Exhaust (.25)
❶❹	12 041 01-S	2	Gasket-Carburetor
❶❹	12 041 02-S	1	Gasket-Base, Air Cleaner
❶❹	12 041 03-S	1	Gasket-Manifold, Exhaust



Group 5 - Ignition/Electrical Assembly
Kohler CV493S 27528

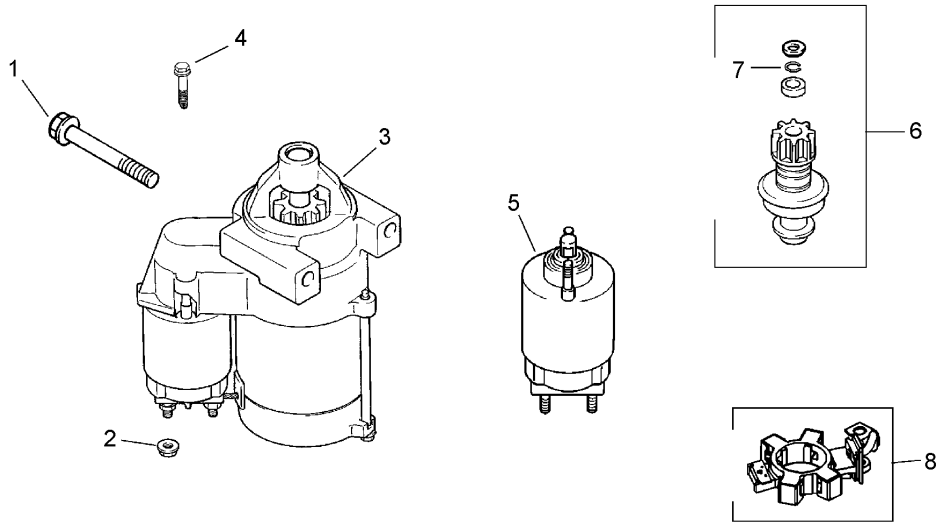
Ref	Part No.	Qty.	Description
❹1	12 086 14-S	1	Screw-Hex Flange, M10x1.5x46
❹2	12 468 03-S	1	Washer-Plain (3/8)
❹3	M-545010-S	5	Screw-Hex Flange, M5x0.8x10
❹4	12 109 03-S	1	Cup-Mounting, Screen
❹5	12 162 09-S	1	Screen-Grass
❹6	25 086 47-S	4	Bolt-Shoulder, M6x1.0x16
❹7	12 157 03-S	1	Fan
❹8	X-42-15-S	1	Key
❹9	12 025 56-S	1	Flywheel
❹10	41 403 09-S	1	Rectifier-Regulator
❹11	X-25-5-S	1	Washer-Steel
❹12	M-639016-S	1	Screw-Hf, M6x1.0x16
❹13	236602-S	1	Connector (3 Contact)
❹14	41 155 02-S	1	Connector (5 Contact)
❹15	M-548025-S	2	Screw-Hex. Cap, M5x0.8x25
❹16	237878-S	1	Stator Kit (Includes Terminal 25 452 01-S)
❹17	X-728-1-S	2	Clip
❹18	12 132 02-S	1	Spark Plug
❹19	12 584 04-S	1	Module-Ignition
❹20	M-545020-S	2	Screw-Hex Flange, M5x0.8x20
❶❹	12 126 96-S	1	Bracket-Strap, Ground
❶❹	25 452 01-S	1	Terminal

Ref	Part No.	Qty.	Description
❶❹	25 518 05-S	1	Lead-Black, Rectifier To Connector (5in, 14 Gauge, Uninsulated Push On Tab Terminals)
❶❹	12 518 01-S	1	Lead, White, Ground To Kill (19in, 18 Gauge, Fully Insulated Push On Tab And Uninsulated Push On Tab Terminals)



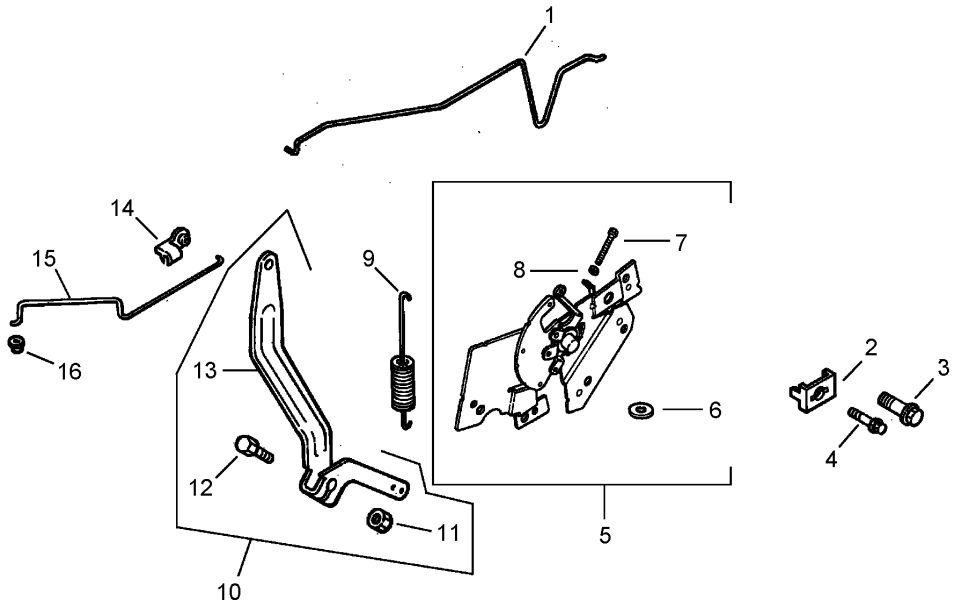
Group 6 - Blower Housing and Baffle Assembly
Kohler CV493S 27528

Ref	Part No.	Qty.	Description
❹1	M-545010-S	6	Screw-Hex Flange, M5x0.8x10
❹2	12 146 07-S	1	Plate-Housing, Blower
❹3	M-550010-S	11	Screw-Hf, M5x0.8x10
❹4	12 096 33-S	1	Cover-Starter
❹5	12 314 07-S	1	Guard-Stylized
❹6	12 314 10-S	1	Guard-Screen, Grass
❹7	12 027 53-S	1	Housing-Blower
❹8	12 063 18-S	1	Baffle (Intake Side)
❹9	12 063 20-S	1	Baffle (Cylinder Head)
❹10	12 313 03-S	1	Grommet-Spark Plug
❹11	12 063 19-S	1	Baffle (Cylinder)
❶❹	M-545016-S	1	Screw-Hex Flange, M5x0.8x16
❶❹	M-561016-S	1	Screw-Hf, M5x0.8x16
❶❹	24 113 18-S	1	Decal-Screen, Grass
❶❹	12 113 125-S	1	Decal-18hp
❶❹	25 113 39-S	1	Decal-Clear Lamination



Group 7 - Starting System Assembly
Kohler CV493S 27528

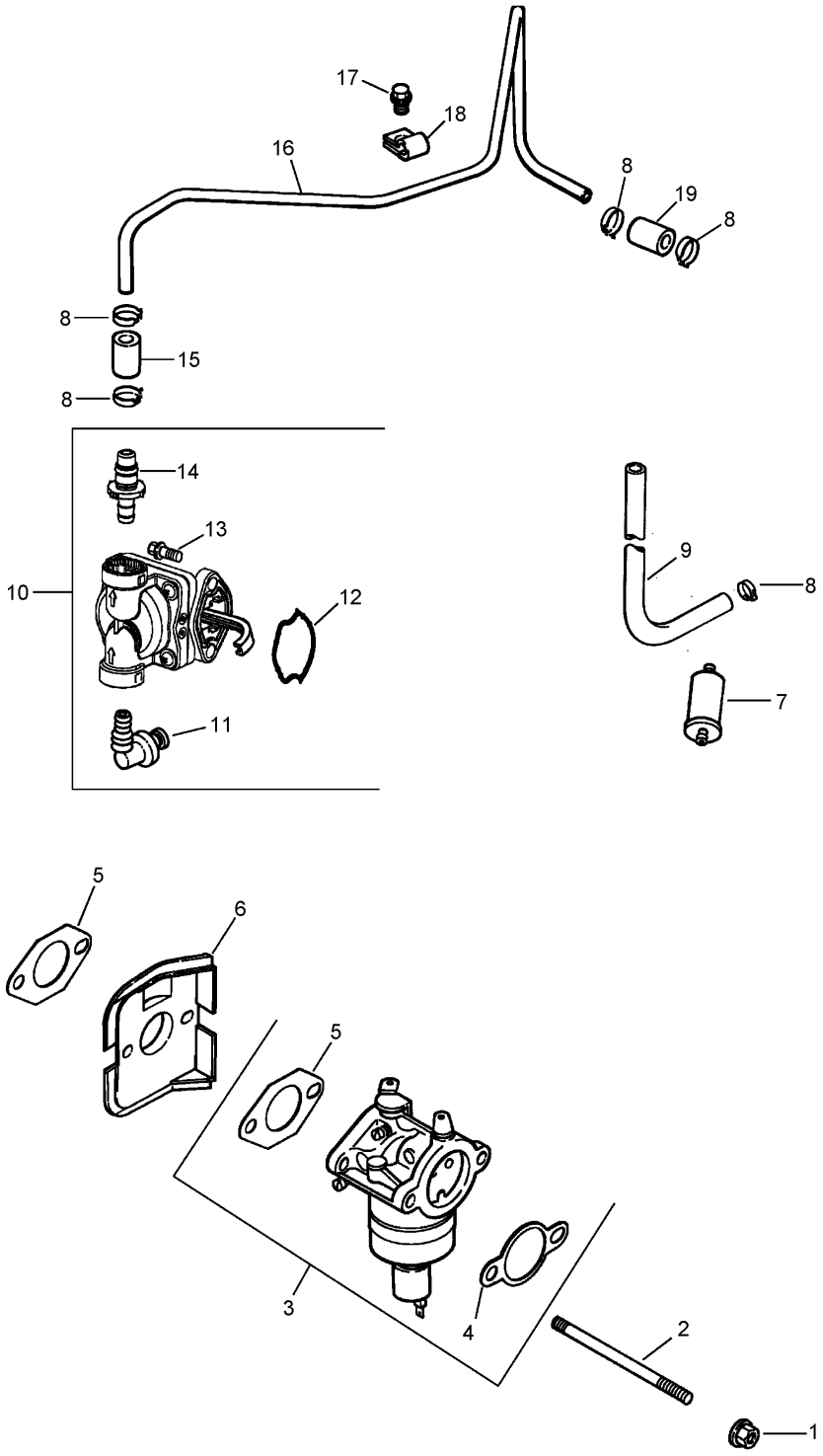
Ref	Part No.	Qty.	Description
❹1	M-839080-S	2	Screw-Hex Flange, M8x1.25x80
❹2	M-841080-S	1	Nut-Hex Flange, M8x1.25
❹3	25 098 09-S	1	Starter ASM (Incl. Ref. #4-8)
❹4	25 086 113-S	3	Screw-External Torx Head
❹5	25 435 05-S	1	Solenoid Kit (Includes 4)
❹6	25 755 33-S	1	Pinion Drive Kit (Incl. Ref. #7)
❹7	25 141 05-S	1	Ring
❹8	25 221 01-S	1	Brush Kit



Group 9 - Engine Control Assembly
Kohler CV493S 27528

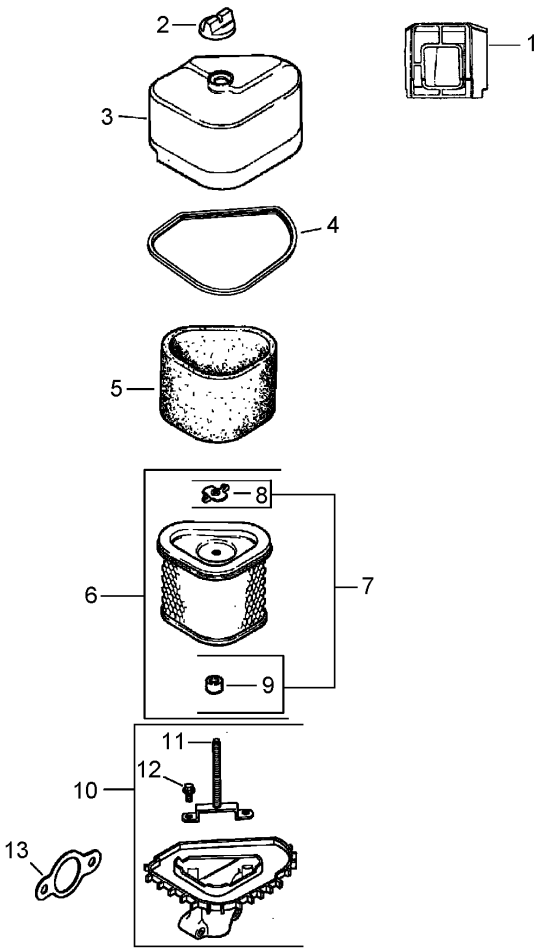
Ref	Part No.	Qty.	Description
❹1	12 079 11-S	1	Linkage-Choke
❹2	12 237 01-S	2	Clamp-Cable
❹3	M-545016-S	2	Screw-Hex Flange, M5x0.8x16
❹4	M-664020-S	2	Screw-Lobed Socket, M6x1.0x20
❹5	12 536 02-S	1	Speed Control ASM (Incl. Ref. #6-8)
❹6	230293-S	1	Spacer-Shim
❹7	M-401030-S	1	Screw-Hf, M4x0.7x30
❹8	M-446030-S	1	Nut-Hf, M4x0.7
❹9	52 089 07-S	1	Spring-Governor
❹10	12 755 83-S	1	Governor Lever Kit (Incl. Ref. #11-13)
❹11	12 100 07-S	1	Nut-Hf, M6x1.0
❹12	52 211 04-S	1	Screw-Hf, M6x1.0x25
❹13	12 090 28-S	1	Lever-Governor
❹14	25 158 11-S	1	Bushing-Linkage Retaining
❹15	12 079 10-S	1	Linkage-Throttle
❹16	25 158 08-S	1	Bushing-Linkage Retaining

Group 8 - Fuel System Assembly
Kohler CV493S 27528



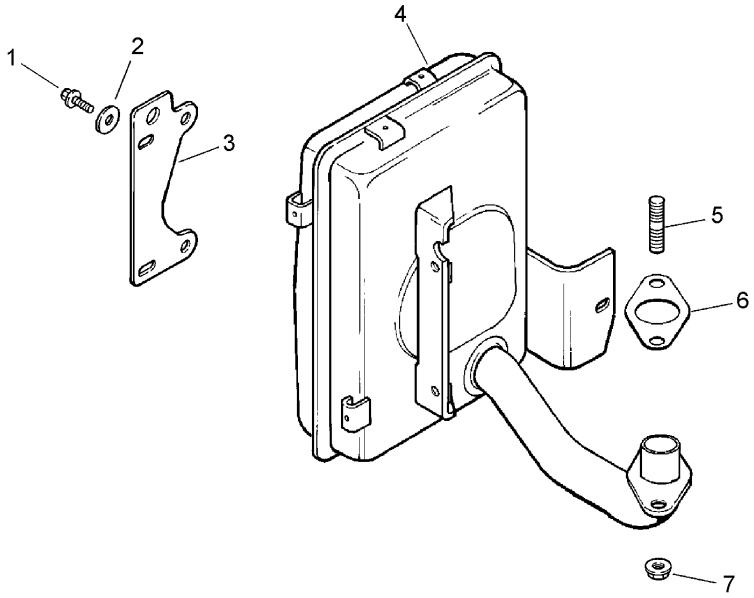
Group 8 - Fuel System Assembly
Kohler CV493S 27528

Ref	Part No.	Qty.	Description
❹1	M-641060-S	2	Nut-Hex Flange, M6x1.0
❹2	M-629116-S	2	Stud-M6x1.0x116
❹3	12 853 149-S	1	Carburetor Kit (Incl. Ref. #4, 5, [qty. 1], Tie 12 454 03-S, And Terminal 25 452 20-S)
❹4	12 041 02-S	1	Gasket-Base, Air Cleaner
❹5	12 041 01-S	2	Gasket-Carburetor
❹6	12 265 06-S	1	Deflector-Heat
❹7	25 050 08-S	1	Filter-Fuel
❹8	25 237 14-S	6	Clamp-Breather
❹9	52 353 18-S	1	Line-Fuel, 8in
❹10	12 559 02-S	1	Fuel Pump Kit (Incl. Ref. #11-14)
❹11	12 294 13-S	1	Fitting-90 DEG
❹12	25 153 04-S	1	O-Ring (Fuel Pump)
❹13	M-664020-S	2	Screw-Lobed Socket, M6x1.0x20
❹14	24 294 09-S	1	Fitting-Straight
❹15	12 353 01-S	1	Line-Fuel, 1-1/4in
❹16	12 123 19-S	1	Line-Fuel. Metal
❹17	M-545010-S	1	Screw-Hex Flange, M5x0.8x10
❹18	12 154 01-S	1	Clamp-Line, Fuel
❹19	41 353 18-S	1	Line-Fuel, 2-1/2in
❶❹	12 757 02-S	1	Float Kit
❶❹	12 757 03-S	1	Carburetor Repair Kit
❶❹	12 757 36-S	1	Throttle Shaft Bearing Kit
❶❹	12 757 37-S	1	Bowl Replacement Kit



Group 10 - Air Intake/Filtration Assembly
Kohler CV493S 27528

Ref	Part No.	Qty.	Description
❹1	12 281 02-S	1	Duct-Air
❹2	20 341 01-S	1	Knob-Cover
❹3	12 096 44-S	1	Cover-Cleaner, Air
❹4	12 032 14-S	1	Seal
❹5	12 083 12-S	1	Precleaner
❹6	12 083 10-S	1	Element-Cleaner, Air (Incl. Ref. # 8 And 9)
❹7	12 743 12-S	1	Air Cleaner Kit (Incl. Ref. #8 And 9)
❹8	12 100 01-S	1	Nut-Wing
❹9	12 032 11-S	1	Seal
❹10	12 094 13-S	1	Base-Cleaner, Air (Incl. Ref. #11 And 12)
❹11	12 072 04-S	1	Stud-Plate, Mounting
❹12	12 086 01-S	2	Screw
❹13	12 041 02-S	2	Gasket-Base, Air Cleaner
❶❹	12-113-04-S	1	Decal-Cleaner, Air



Group 11 - Exhaust Assembly
Kohler CV493S 27528

Ref	Part No.	Qty.	Description
❹1	M-645025-S	2	Screw-Hex Flange, M6x1.0x25
❹2	12 112 20-S	2	Spacer
❹3	12 126 71-S	1	Bracket-Muffler
❹4	12 068 54-S	1	Muffler
❹5	25 072 04-S	2	Stud, M8x1.25x33
❹6	12 041 03-S	2	Gasket-Manifold, Exhaust
❹7	M-841080-S	2	Nut-Hex Flange, M8x1.25
❶❹	M-545010-S	1	Screw-Hex Flange, M5x0.8x10
❶❹	M-645016-S	2	Screw-Hex Flange, M6x1.0x16
❶❹	12 265 07-S	1	Deflector-Exhaust
❶❹	M-545010-S	4	Screw-Hex Flange, M5x0.8x10
❶❹	12 755 93-S	1	Gasket Set


TORO®