Form No. 3471-914 Rev B

TORO®

Count on it.

Parts Catalog

48in Z Master® Professional 2000 Series

Riding Mower

Model No. 77281—Serial No. 418012033 and Up

Register at www.Toro.com.
Original Instructions (EN)

3471-914 B

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 illustration and in parts 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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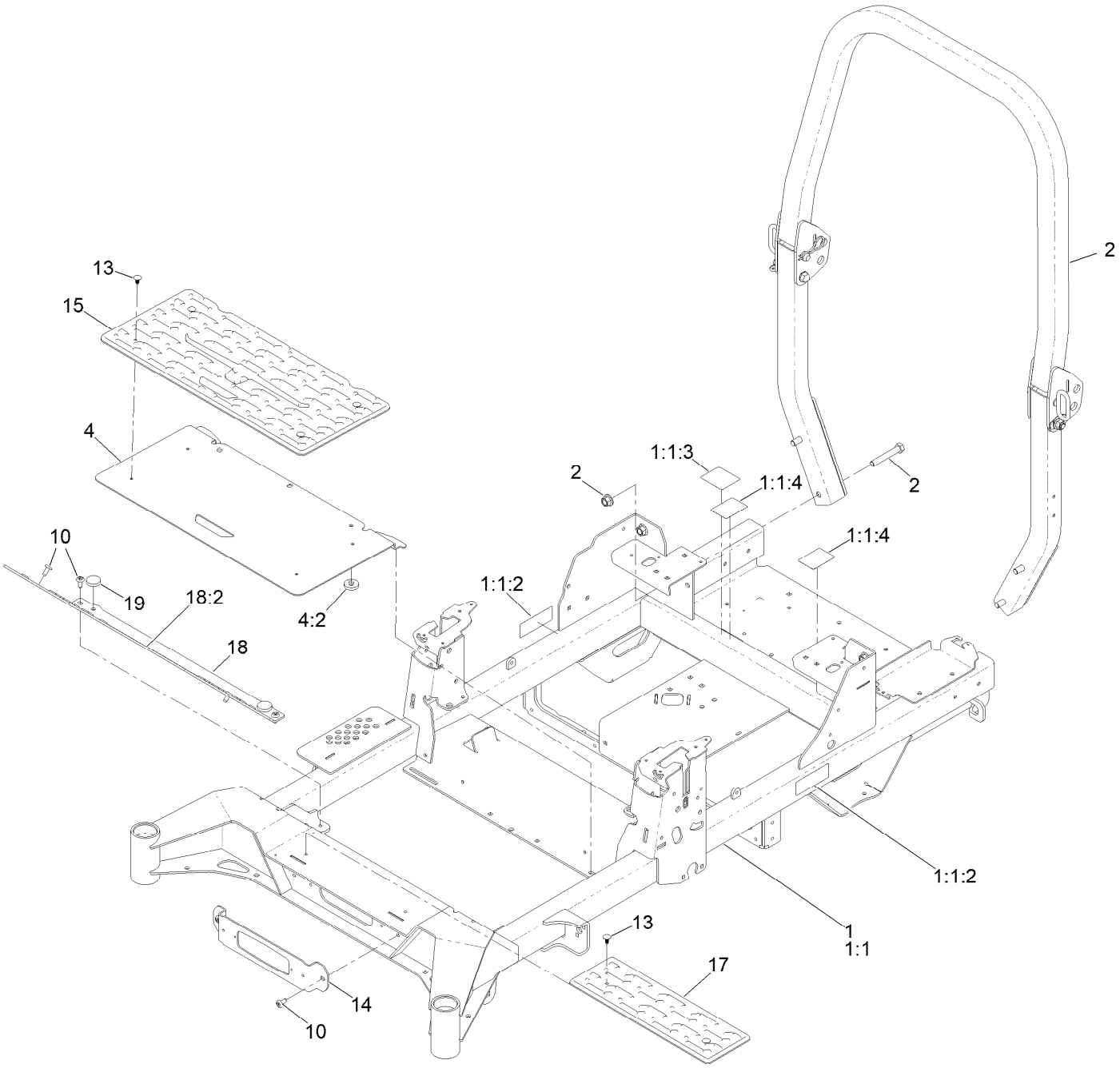
Frame Assembly

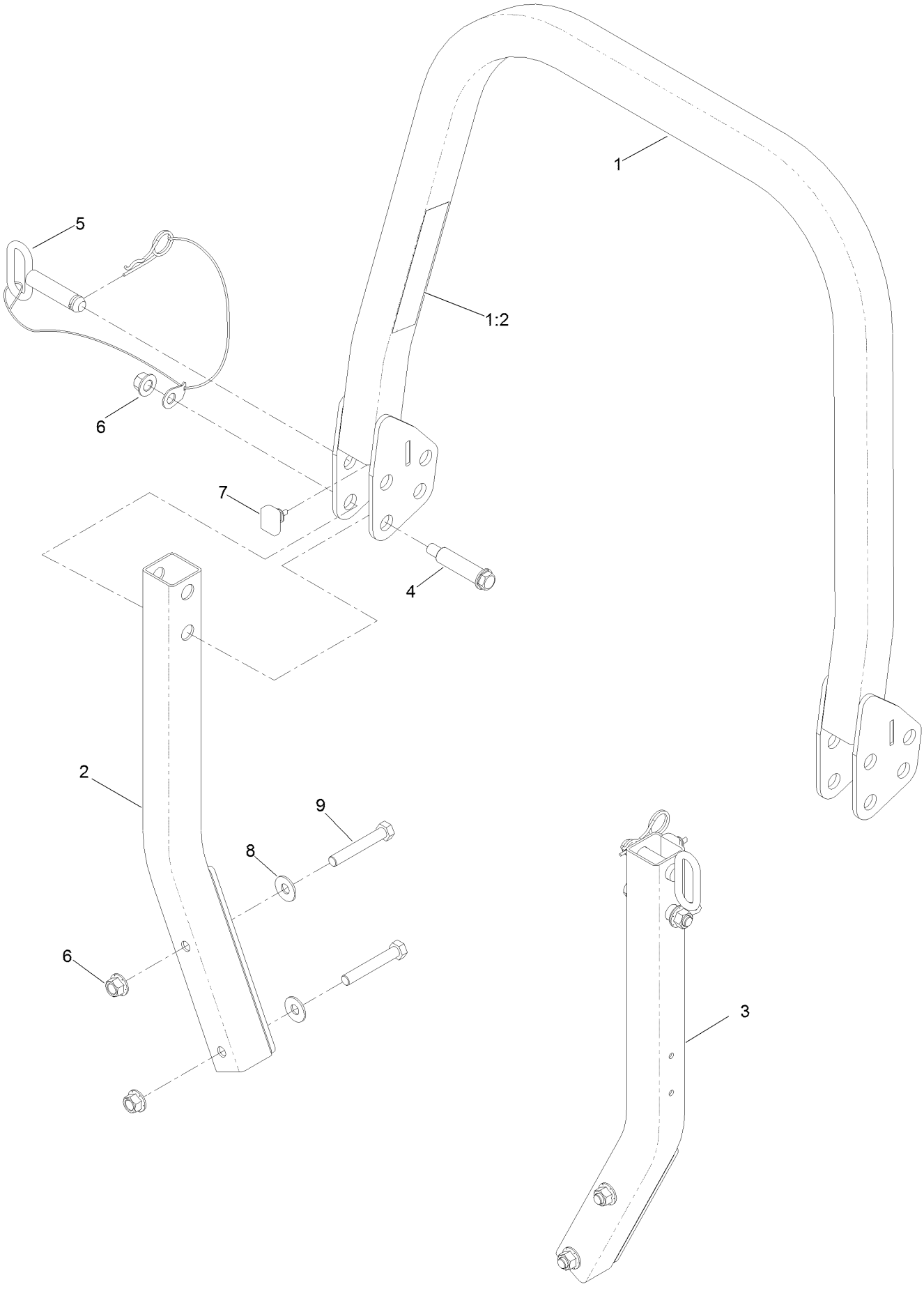


Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-8476	1	Frame ASM
1:1		1	Frame-48/52 ●
1:1:2	126-4363	2	Decal-Warning
1:1:3	109-6014	1	Decal-Routing, Belt
1:1:4	147-4982	2	Decal-Bypass
2	139-8062	1	ASM-ROPS
4	138-6098	1	Floor Pan ASM
4:2	109-9233	2	Bumper-Push-In, Rubber
10	138-9753	6	Screw
13	117-2382	6	Plug-Plastic
14	140-4994-01	1	Bracket-Light
15	140-7950	1	Floormat-Fixed Seat
17	140-4992	1	Step
18	140-4995	1	Toeboard
18:2	126-8383	1	Decal-Danger
19	109-9233	2	Bumper-Push-In, Rubber

● Not serviced separately

Roll-Over Protection System Assembly
No. 139-8062

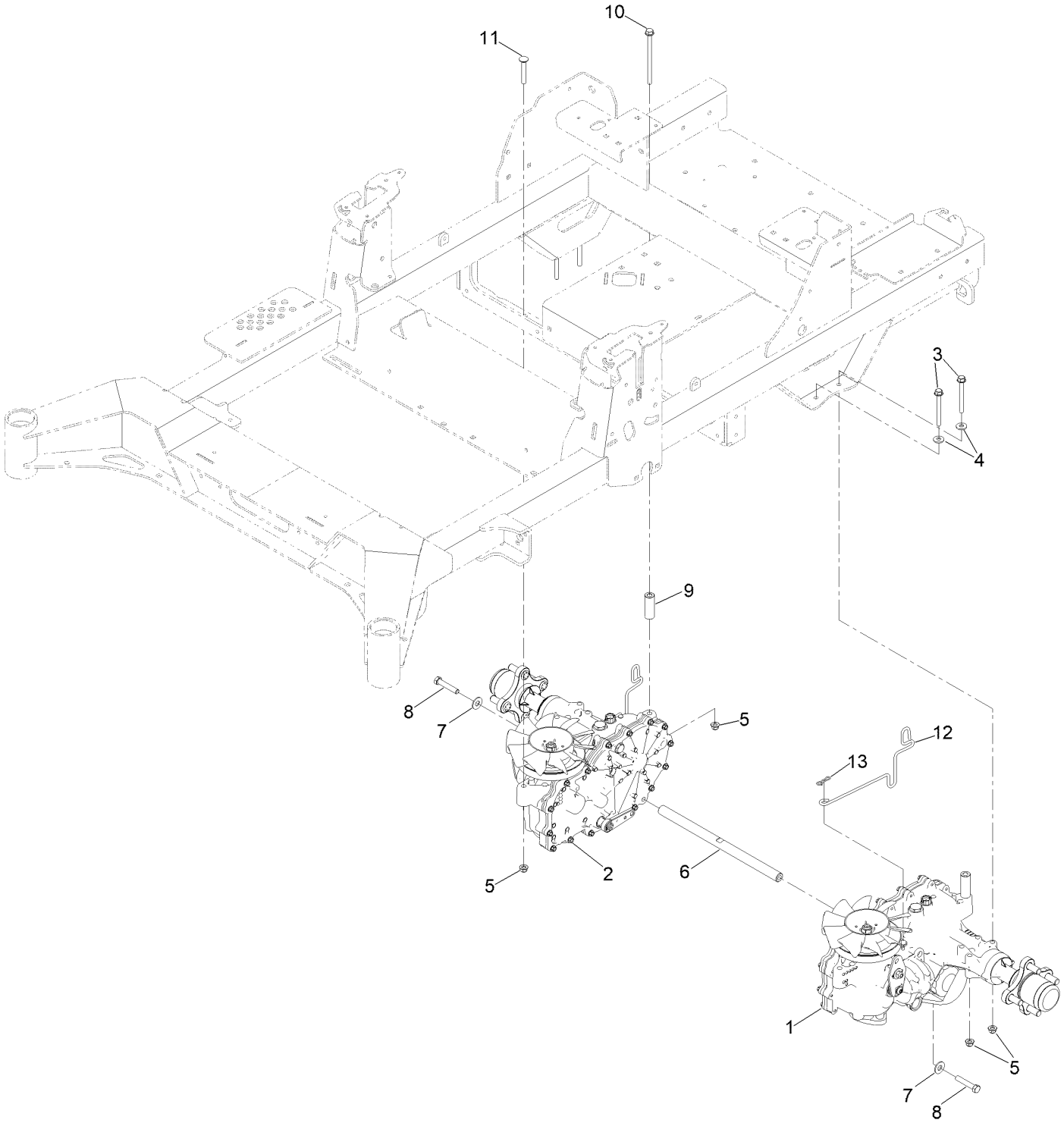


Roll-Over Protection System Assembly No. 139-8062 (continued)

Ref.	Part Number	Qty.	Description
1		1	Upper ROPS ASM ●
1:2	107-3069	1	Decal-Warning
2		1	RH Lower ROPS ASM ●
3		1	LH Lower ROPS ASM ●
4	126-9209	2	Bolt-Shoulder
5	161-4477	2	ROPS Pin ASM
6	99-5107	6	Nut-HF Nylock
7	109-5337	2	Bumper-ROPS
8	109-9505	4	Washer-Spring
9	325-13	4	Screw-HH

● Not serviced separately

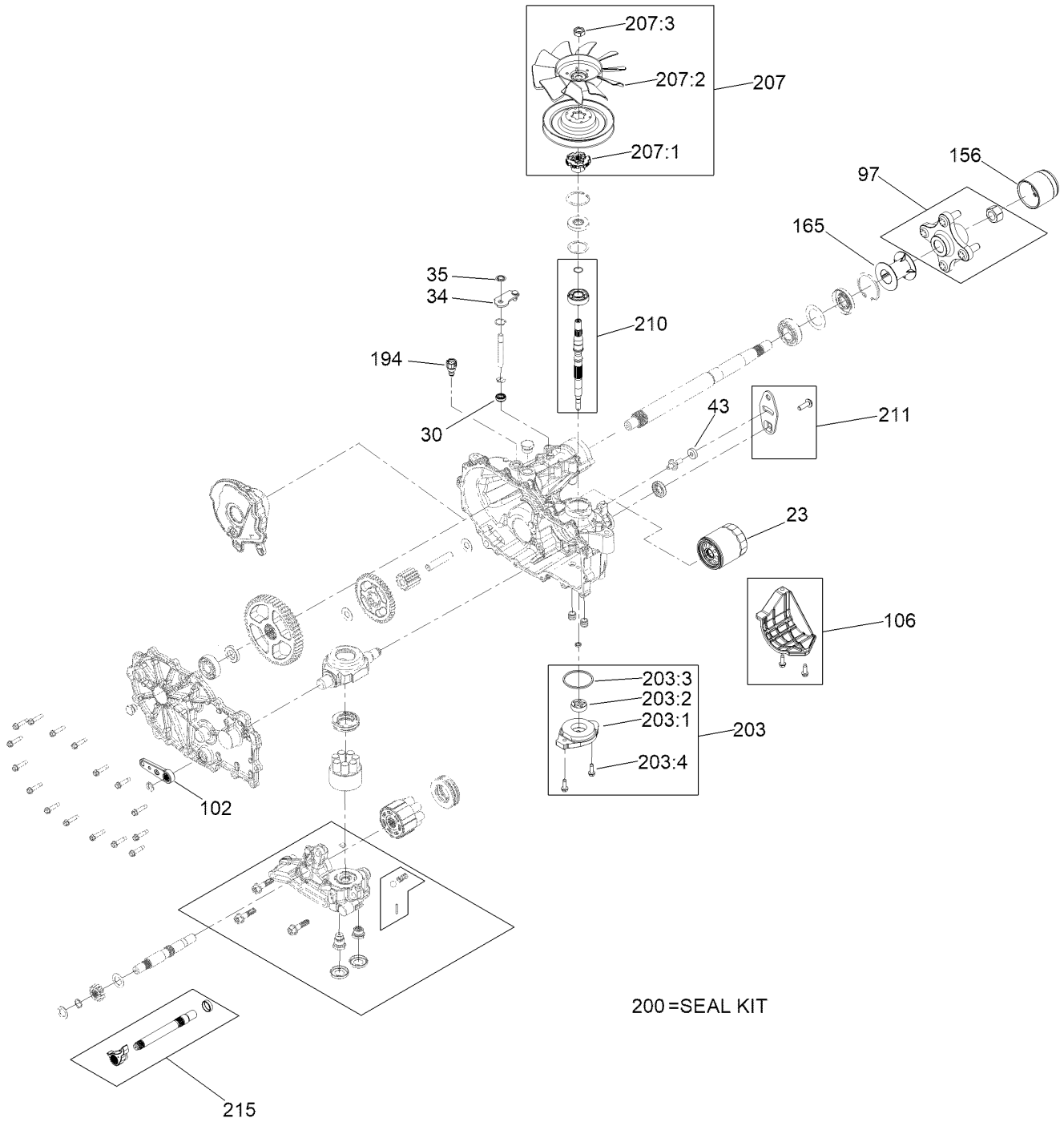
Hydro Drive Assembly



Hydro Drive Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-8424	1	Transaxle ASM
2	145-8425	1	Transaxle ASM
3	126-4687	4	Screw-HHF
4	1-303334	4	Washer-Spring
5	104-8300	8	Nut-HF, NI
6	145-5708	1	Shaft-Spacer
7	3256-4	2	Washer-Flat
8	94-7972	2	Screw-HH, Patch
9	109-3652	2	Spacer
10	126-5896	2	Screw HHF
11	3230-7	2	Bolt-CARR
12	125-8950	2	Rod-Bypass
13	119-1415	2	Pin-Cotter, Locking

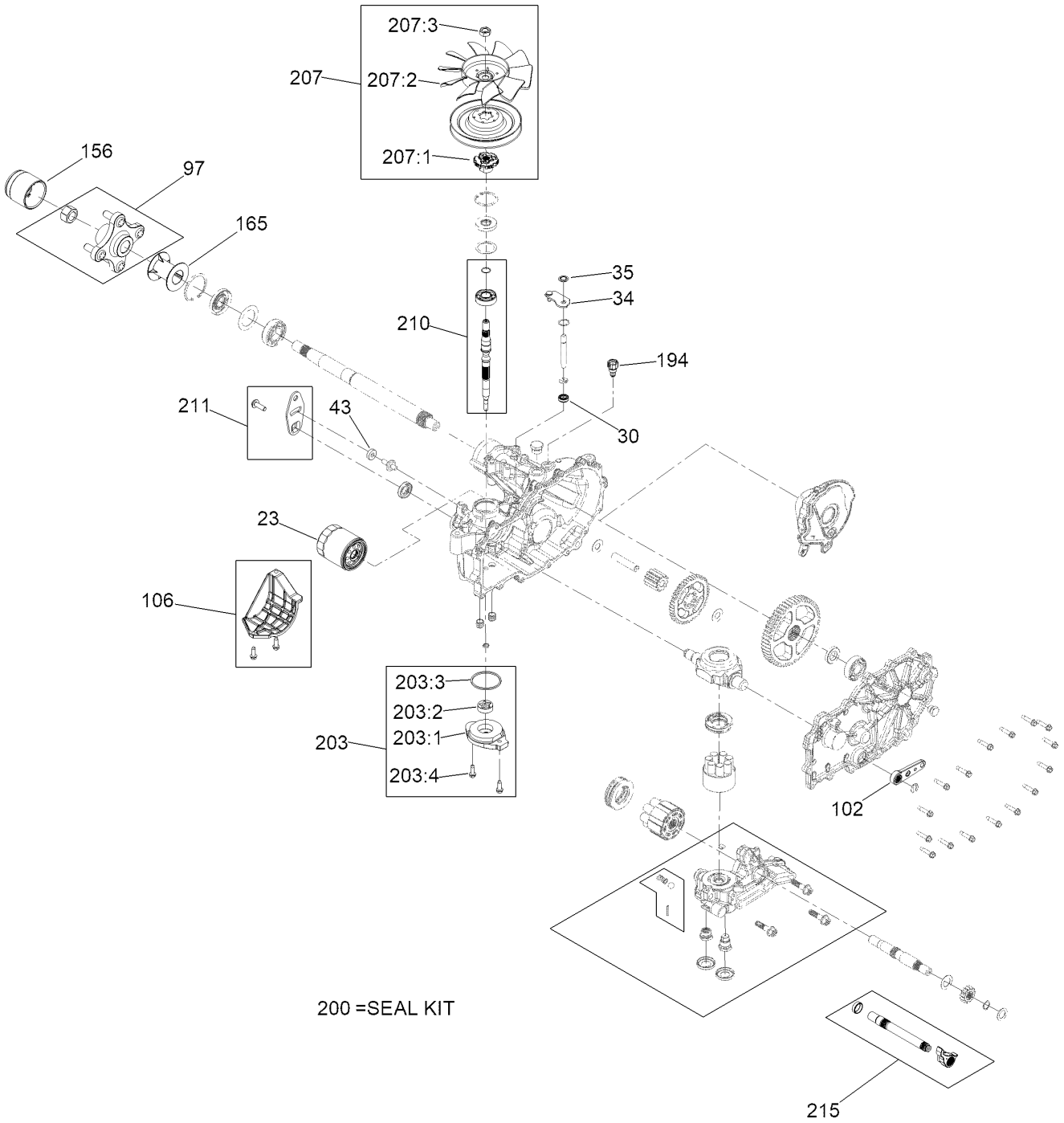
LH Transaxle Assembly No. 145-8424



LH Transaxle Assembly No. 145-8424 (continued)

Ref.	Part Number	Qty.	Description
23	109-3321	1	Element-Oil Filter, HYD
30	139-7497	1	Seal-Lip
34	107-2490	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, External
43	112-9853	1	Puck-Friction
97	116-3872	1	Hub-Offset
102	125-0021	1	Handle-Brake
106	120-7979	1	Guard-Filter, LH
156	116-6214	1	Cap-Axle, Long
165	116-6213	1	Tube-Axle
194	147-7366	1	Assembly-Fitting, Breather
200	121-3243	1	Seal Kit
203	114-8465	1	Charge Kit
203:1	114-8457	1	Cover-Charge Pump
203:2	104-2122	1	Gerotor ASM
203:3	109-3540	1	O Ring-Seal
203:4	104-2120	1	Screw
207	126-8904	1	Fan And Pulley Kit
207:1	126-8905	1	Hub-Fan
207:2	126-0226	1	Fan
207:3	116-9714	1	Nut-HJ
210	121-3248	1	Input Shaft Kit
211	117-5362	1	Control Arm Kit
215	140-8353	1	Inboard Kit

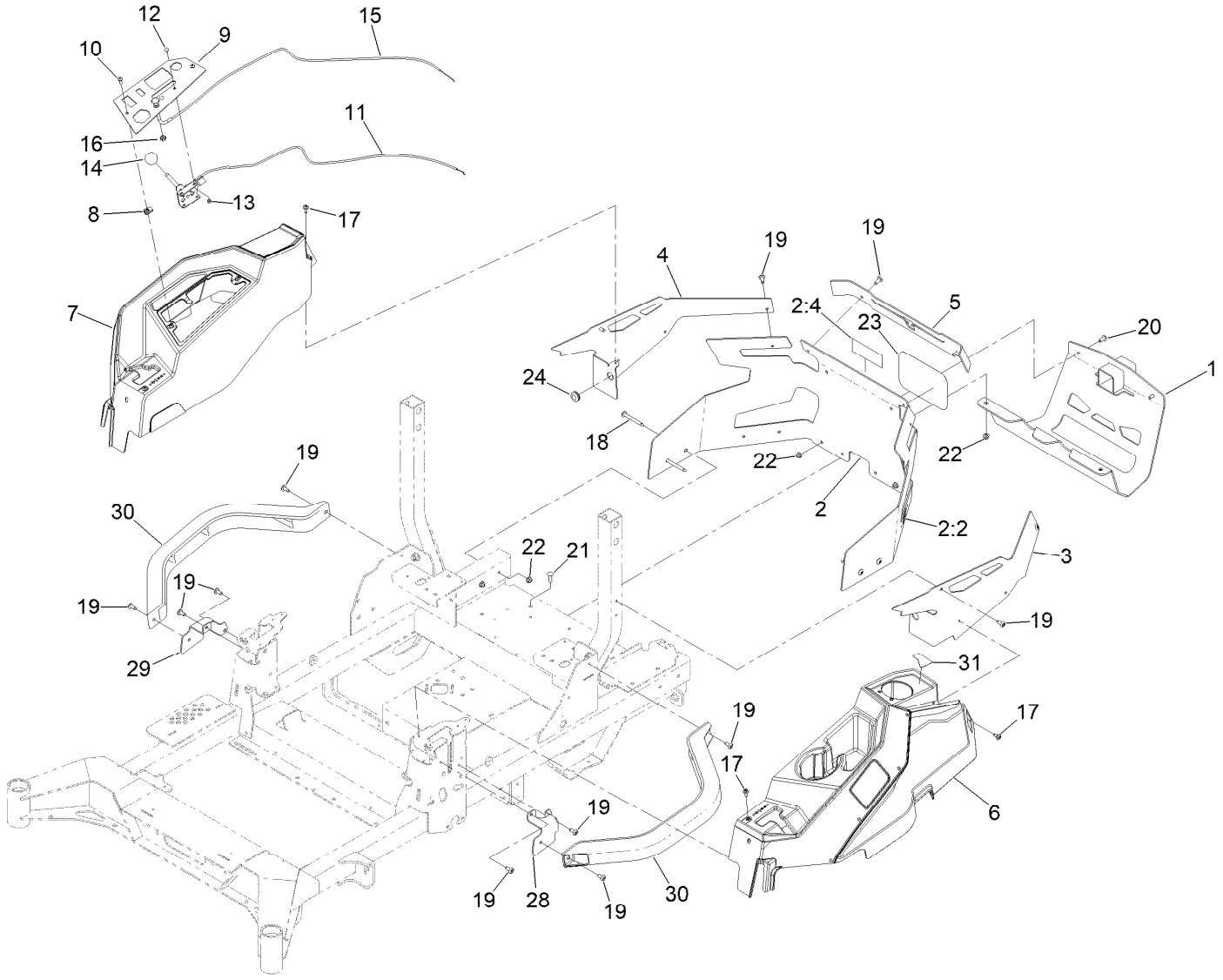
RH Transaxle Assembly No. 145-8425



RH Transaxle Assembly No. 145-8425 (continued)

Ref.	Part Number	Qty.	Description
23	109-3321	1	Element-Oil Filter, HYD
30	139-7497	1	Seal-Lip
34	107-2490	1	Arm-Bypass
35	106-8681	1	Ring-Retaining, External
43	112-9853	1	Puck-Friction
97	116-3872	1	Hub-Offset
102	125-0021	1	Handle-Brake
106	120-7981	1	Guard-Filter, RH
156	116-6214	1	Cap-Axle, Long
165	116-6213	1	Tube-Axle
194	147-7366	1	Assembly-Fitting, Breather
200	121-3243	1	Seal Kit
203	114-8465	1	Charge Kit
203:1	114-8457	1	Cover-Charge Pump
203:2	104-2122	1	Gerotor ASM
203:3	109-3540	1	O Ring-Seal
203:4	104-2120	1	Screw
207	126-8904	1	Fan And Pulley Kit
207:1	126-8905	1	Hub-Fan
207:2	126-0226	1	Fan
207:3	116-9714	1	Nut-HJ
210	121-3248	1	Input Shaft Kit
211	117-5362	1	Control Arm Kit
215	140-8353	1	Inboard Kit

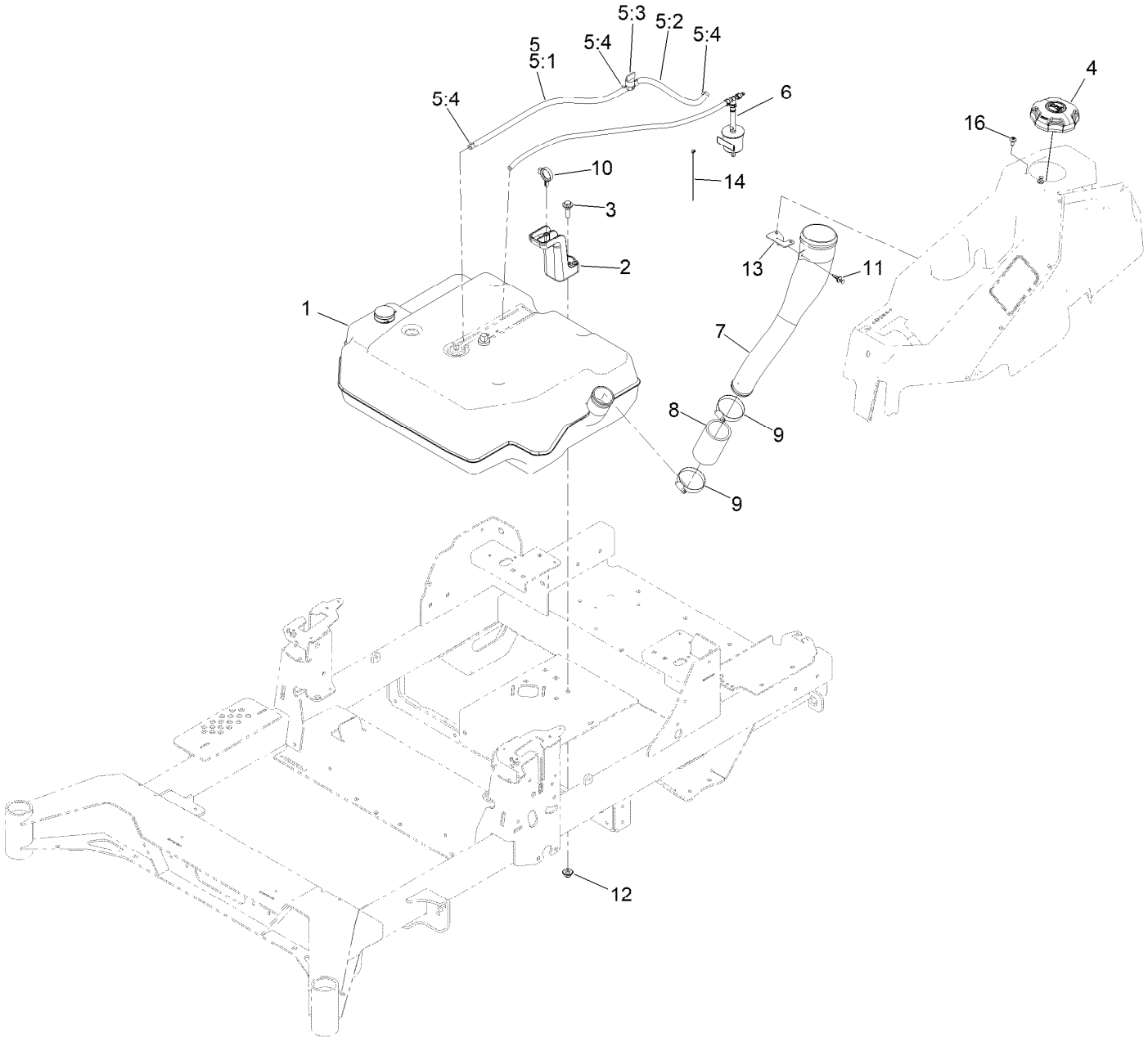
Throttle, Choke and Guards Assembly



Throttle, Choke and Guards Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-2408-03	1	Guard-Muffler
2	145-7022	1	Rear Guard ASM
2:2	106-5517	2	Decal-Warning
2:4	147-7364	1	Decal-Hitch
3	145-8443-01	1	Guard-Rear, LH
4	145-8444-01	1	Guard-Rear, RH
5	145-7007-01	1	Guard-Rear, Top
6	147-2352	1	LH Pod ASM
7	147-2353	1	RH Pod ASM
8	107069	2	Clip
9	145-8498-03	1	Panel-Control
10	138-0689	2	Screw-PH
11	139-6734	1	Cable-Control, Throttle
12	1-807513	2	Bolt-CARR
13	3296-2	2	Nut-Lock, NI
14	1-603175	1	Knob-Ball
15	139-6735	1	Cable-Control, Choke
16	3220-3	1	Nut-HJ
17	120-7950	6	Screw-Torx
18	126-6267	4	Screw-TTH
19	138-9753	14	Screw
20	126-6268	2	Screw-TTH
21	3230-22	2	Screw-CARR
22	104-8300	8	Nut-HF, NI
23	67-7320	1	Decal
24	112-7069	1	Grommet
28	145-8481-01	1	Bracket-Mount, LH
29	145-8484-01	1	Bracket-Mount, RH
30	147-2385-01	2	Tube-Pod
31	147-2399	1	Decal-Fuel Fill

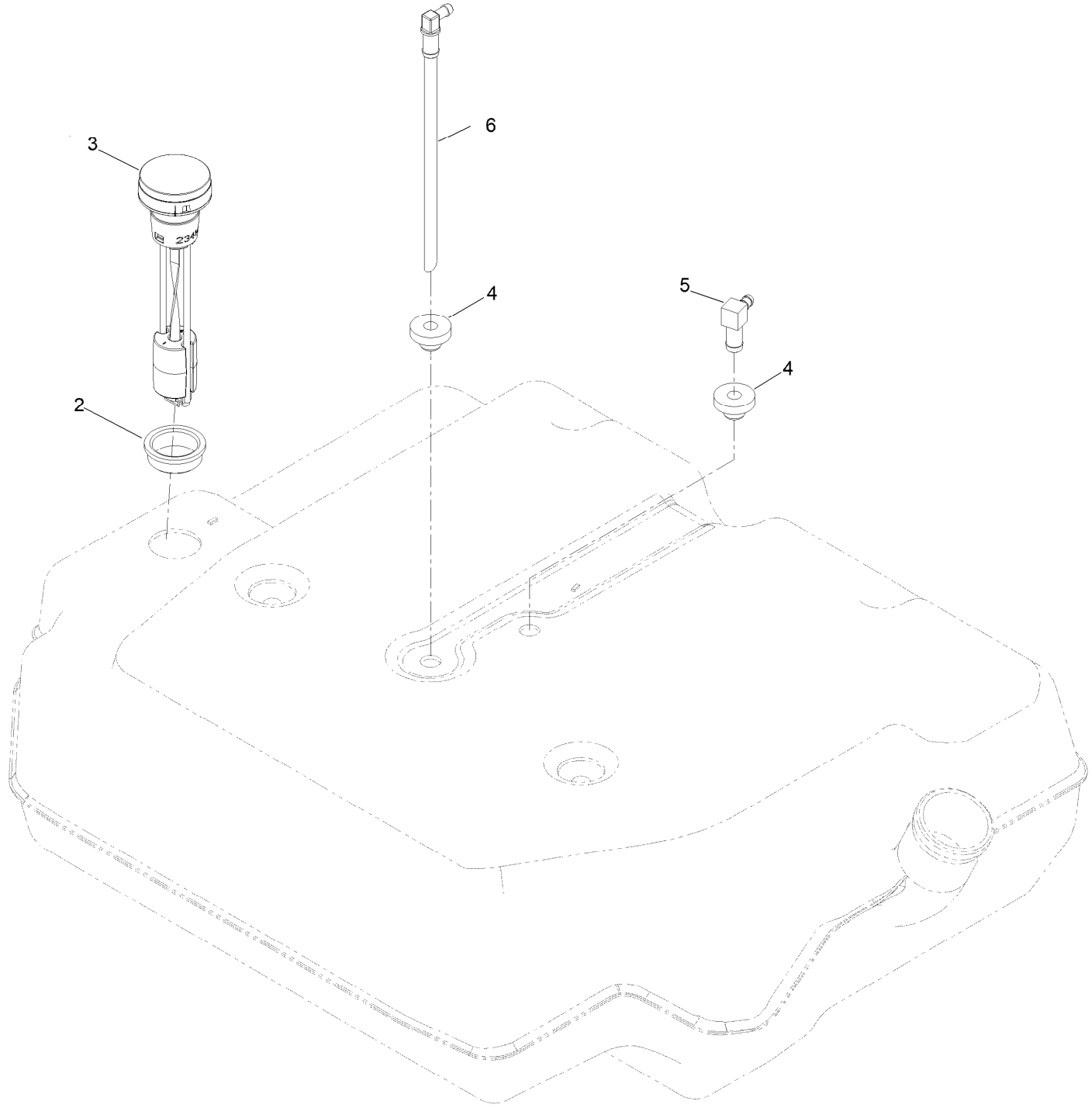
Fuel Assembly



Fuel Assembly (continued)

Ref.	Part Number	Qty.	Description
1	163-3471	1	Tank ASM-Fuel
2	145-5778	1	Retainer-Tank, Rear
3	614672	1	Screw-Shoulder, HWH
4	137-4119	1	Cap-Fuel, Ratcheting
5	163-0110	1	Hose Assembly-Fuel/Valve
5:1	109-0301	1	Hose-Fuel
5:2	114-3766	1	Hose-Fuel
5:3	1-603770	1	Valve-Fuel
5:4	2412-98	4	Clamp-Hose
6	163-0112	1	Hose Assembly-Fuel/Filter/Fitting
7	147-2431	1	Neck-Filler, Fuel
8	145-4698	1	Hose-Filler, Fuel
9	2412-130	2	Clamp-Hose
10	104-2490	1	Clamp-Hose
11	125-9622	1	Rivet-Blind
12	104-8301	1	Nut-HF, NI
13	161-2890	1	Bracket-Mounting, Fill
14	32180-082	1	Clip-Edge W/Tie, Perpendicular
16	120-7950	2	Screw-Torx

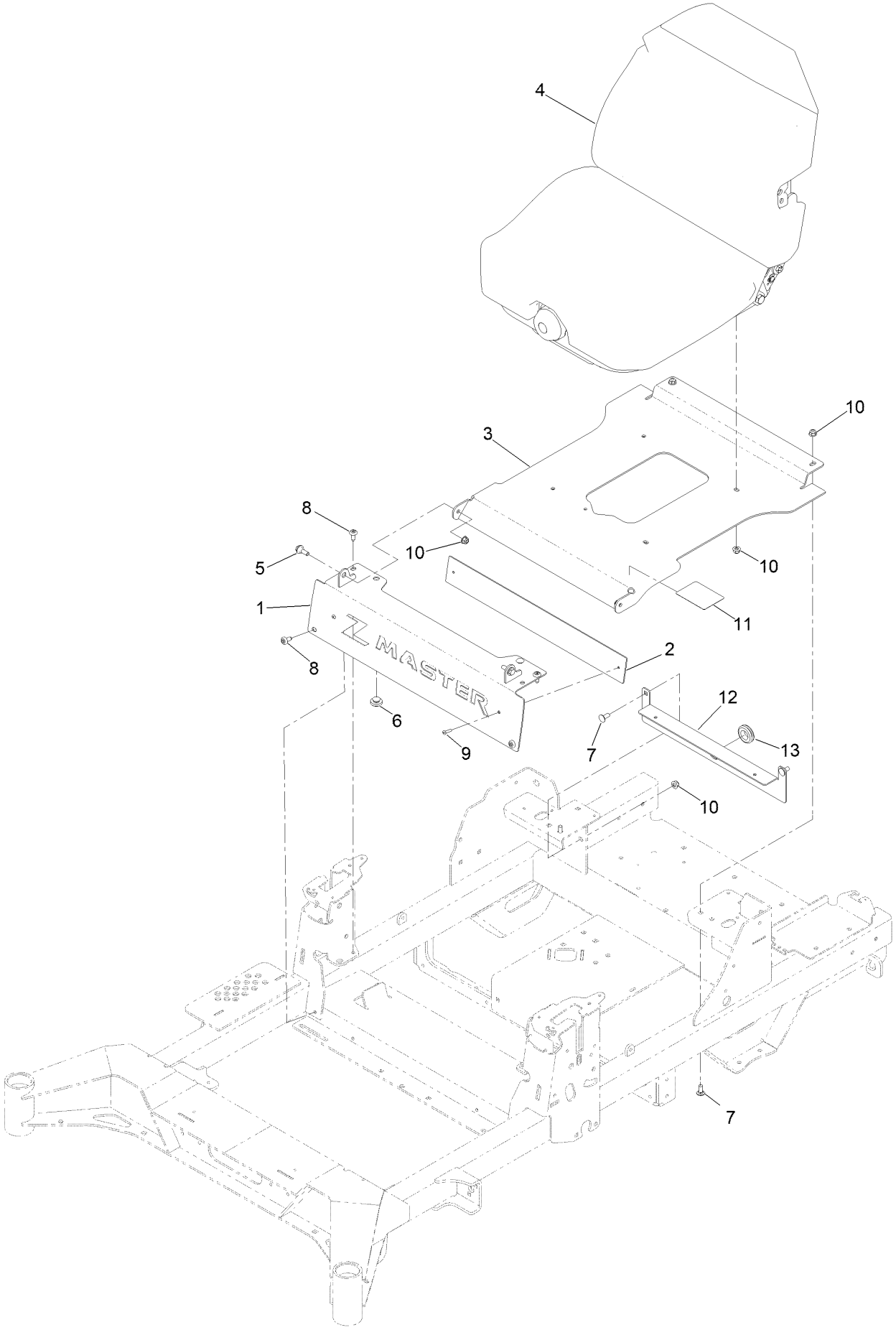
Fuel Tank Assembly No. 163-3471



Fuel Tank Assembly No. 163-3471 (continued)

Ref.	Part Number	Qty.	Description
2	133-9269	1	Grommet-Fuel
3	139-8058	1	Gauge-Fuel
4	46-6560	2	Bushing
5	126-9057	1	Fitting-90 DEG
6	140-4955	1	Connector Elbow-90 DEG

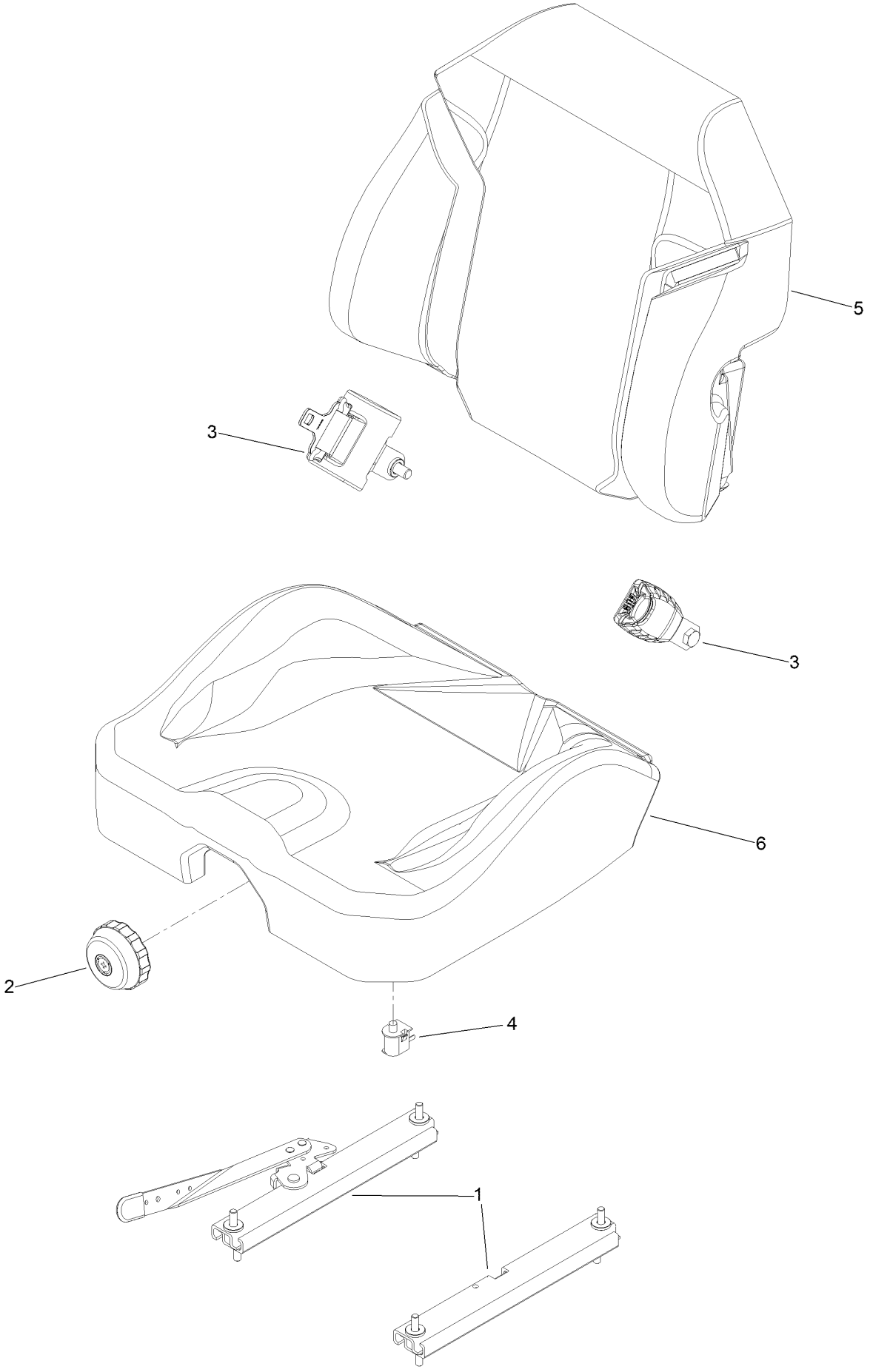
Seat Mount Assembly



Seat Mount Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-7025-03	1	Badge Plate ASM [black]
2	147-4954-01	1	Plate-Backer
3	147-7354-03	1	Pan-Seat
4	147-2384	1	Seat ASM-Suspension
5	116-2670	2	Screw-Shoulder
6	135-0505	2	Bumper-Seat
7	3230-23	4	Bolt-CARR
8	138-9753	4	Screw
9	130-8451	2	Rivet-Trifold
10	104-8300	10	Nut-HF, NI
11	144-2669	1	Decal-Service Aid
12	147-2362-03	1	Bracket-Firewall
13	1-543286	1	Grommet

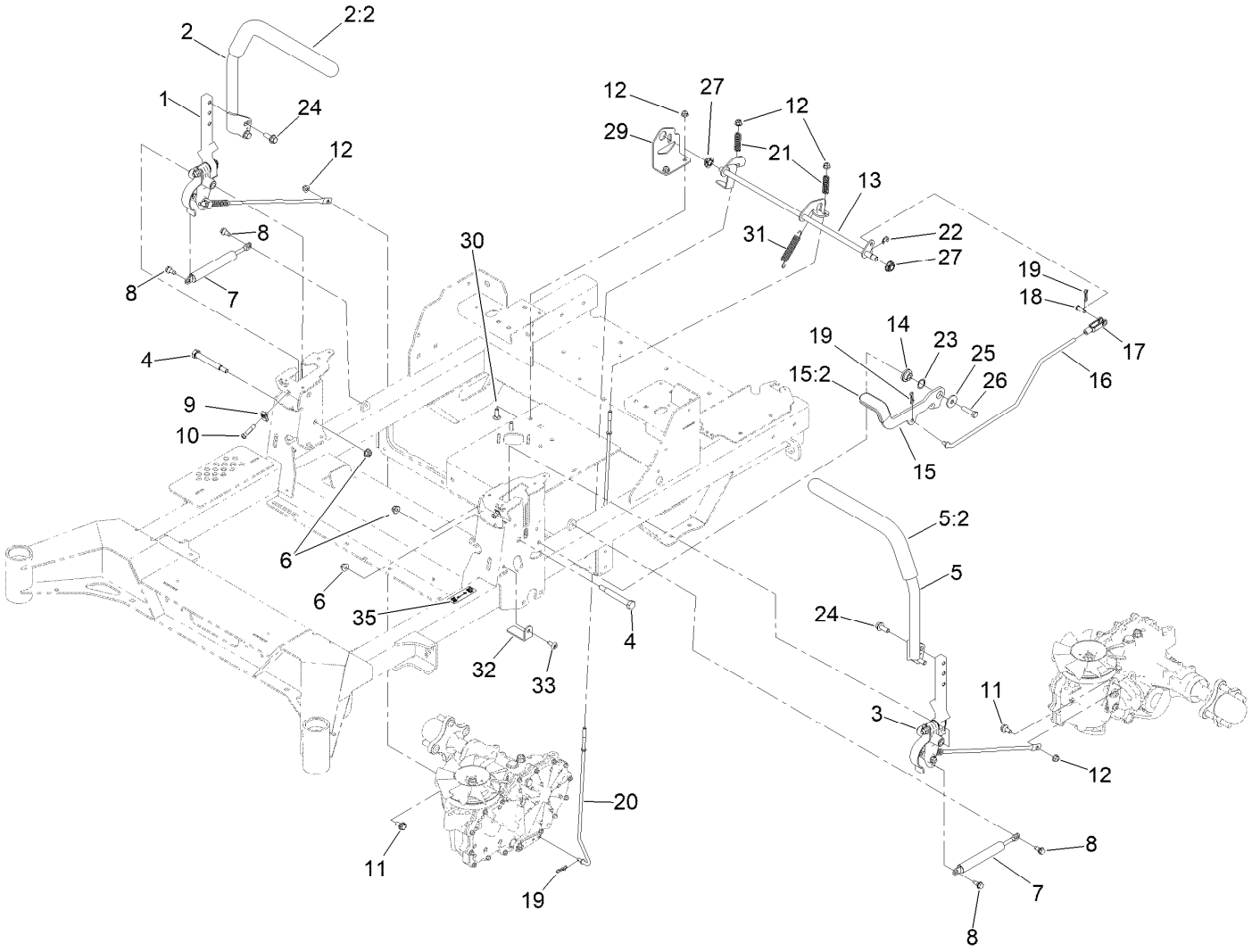
Seat Assembly No. 147-2384



Seat Assembly No. 147-2384 (continued)

Ref.	Part Number	Qty.	Description
1	126-8558	1	Tracks-4" Travel
2	116-8911	1	Knob-Adjuster
3	146-0595	1	Seat Belt Kit
4	82-2190	1	Switch-Bail
5	147-7367	1	Cover-Back, Seat
6	147-7368	1	Cover-Bottom, Suspension Seat

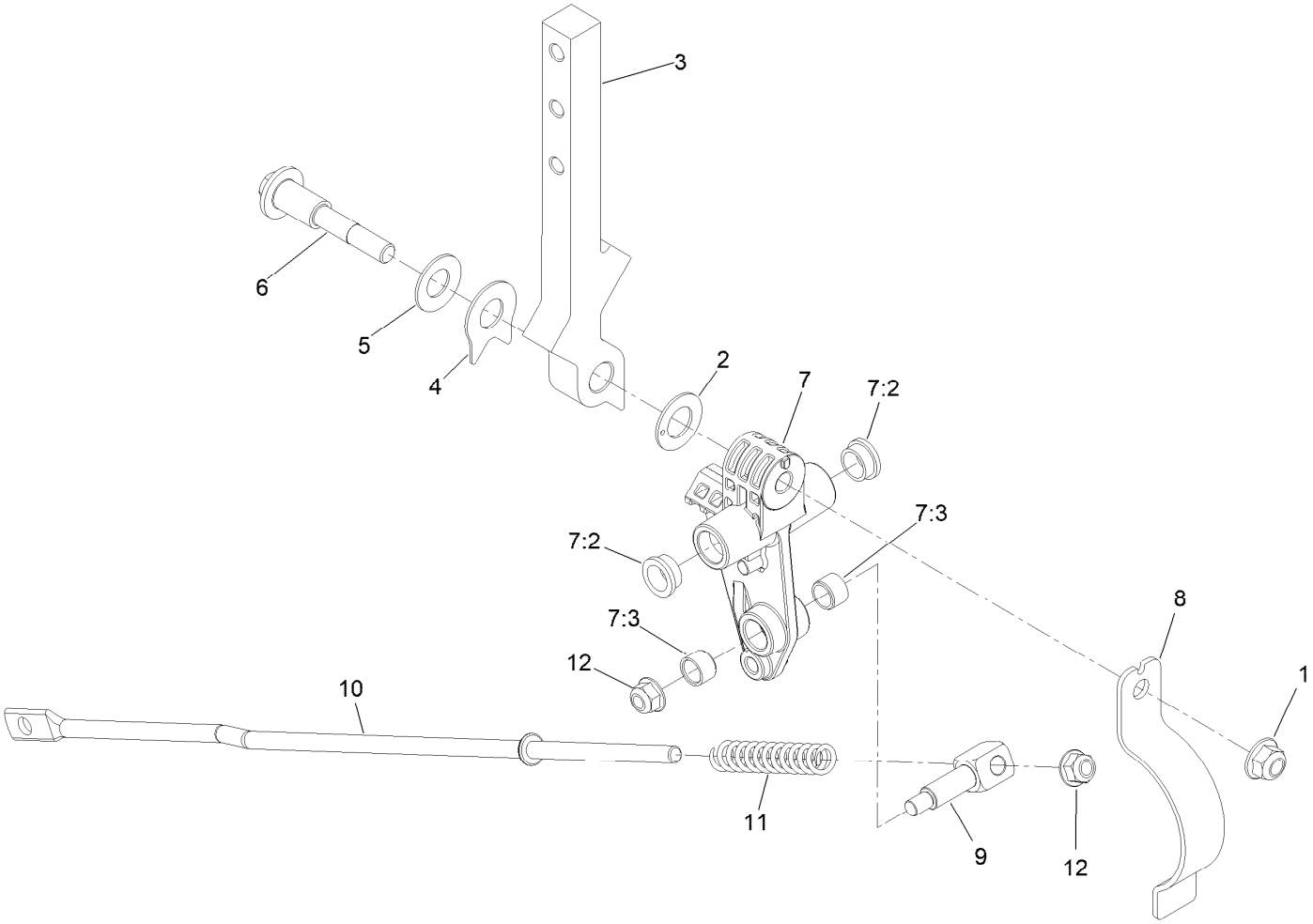
Motion Control Assembly



Motion Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	145-5725	1	Motion Control ASM-RH
2	147-2390	1	RH Handle ASM
2:2	109-5668	1	Grip-Lever, Control
3	145-5724	1	Motion Control ASM-LH
4	115-5099	2	Bolt-Pivot
5	147-2391	1	LH Handle ASM
5:2	109-5668	1	Grip-Lever, Control
6	104-8301	3	Nut-HF, NI
7	142-6851	2	Damper
8	126-4424	4	Screw-Shoulder
9	112-3306	2	Nut
10	126-4299	2	Screw-HSBH
11	37-8771	2	Bolt-Shoulder, HF
12	104-8300	6	Nut-HF, NI
13	145-5719	1	Shaft-Brake
14	126-5989	1	Pivot-Flange
15	147-7375	1	Lever-Brake
15:2	132-4749	1	Grip-Lever
16	145-5722	1	Linkage-Brake, Upper
17	1-303105	1	Yoke-Adjustable
18	1-808280	1	Pin-Clevis
19	119-1415	4	Pin-Cotter, Locking
20	126-7217	2	Linkage-Brake, Lower
21	109-7694	2	Spring-Compression
22	32120-47	1	Ring-Retaining, External
23	119-4164	1	Washer-Wave
24	110-5052	4	Screw-HHF
25	2844	1	Washer
26	323-8	1	Screw-HH
27	126-5820	2	Bearing-Spherical
29	145-5726	1	Bracket-Brake
30	3230-22	2	Screw-CARR
31	109-7124	1	Spring-Extension
32	145-3685	2	Plate-Stop, Rtn
33	138-9753	2	Screw
35	115-9625	1	Decal-Brake, Parking

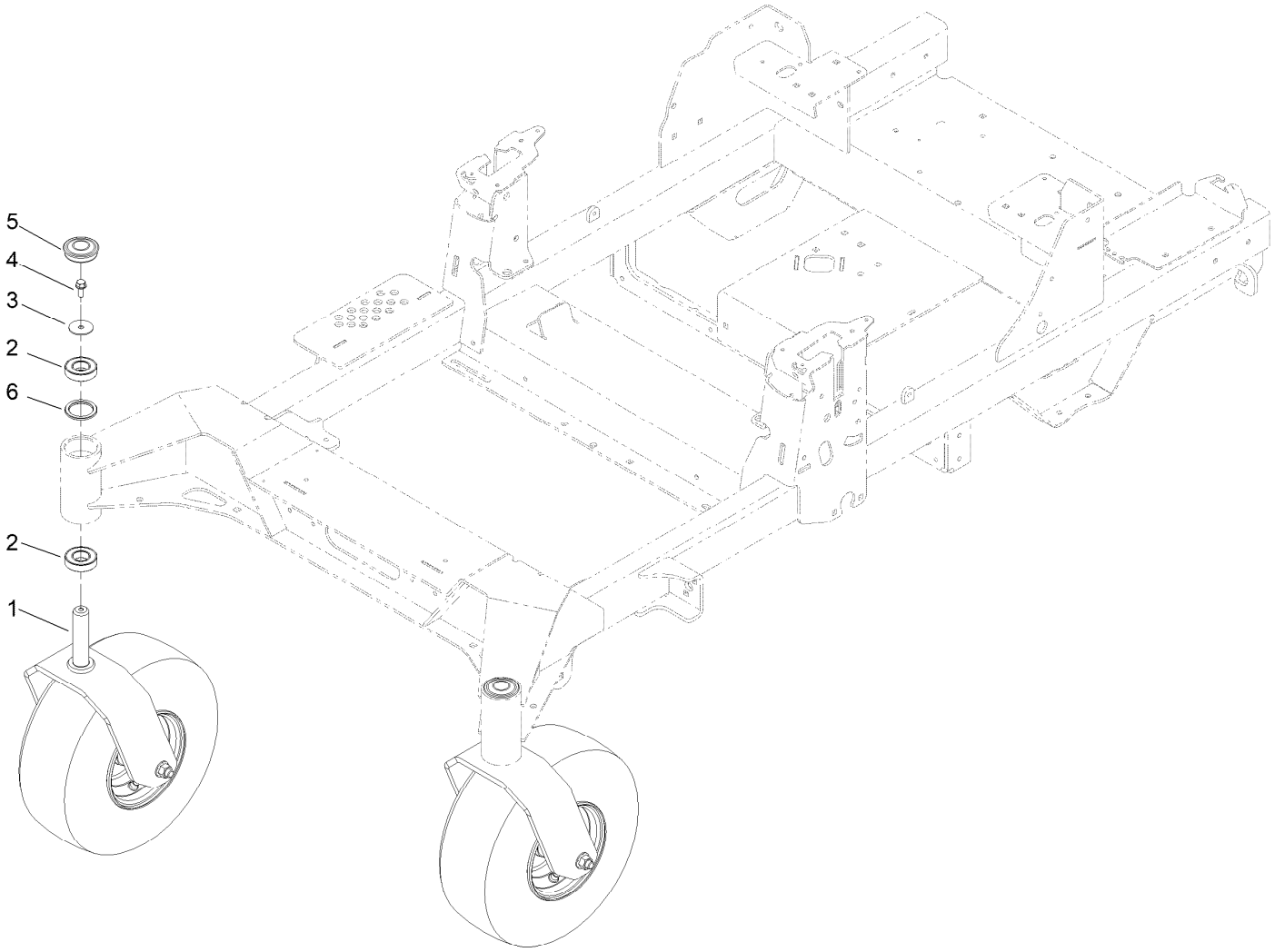
Left and Right Motion Control Assembly



Left and Right Motion Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	104-8301	1	Nut-HF, NI
2	126-7296	1	Washer-Friction
3	147-2389	1	Arm-Control
4	142-8478	1	Spacer, Anti-Rotation
5	119-8925	1	Washer-Belleville
6	117-1198	1	Bolt-Pivot
7	145-5798	1	ASM-Control Arm
7:2	126-8909	2	Bushing
7:3	1-413152	2	Bushing-Sleeve
8	145-5799	1	Spring-Rtn
9	126-5434	1	Swivel
10	145-5723	1	Link-Control
11	126-8195	1	Spring-Return, Neutral
12	104-8300	2	Nut-HF, NI

Front Caster Wheel Assembly

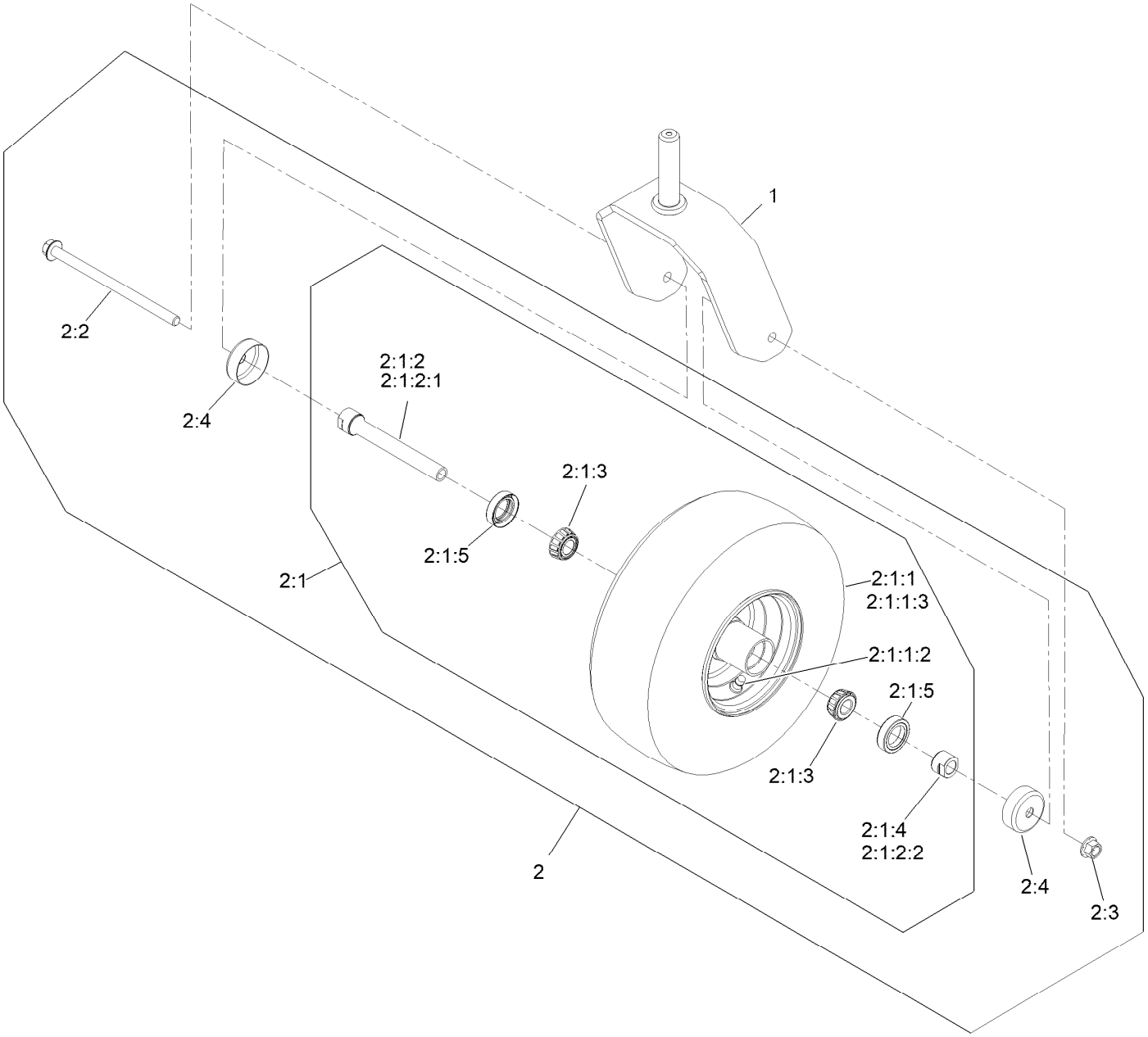


Front Caster Wheel Assembly (continued)

Ref.	Part Number	Qty.	Description
1		2	ASM, Front Caster W/ Fork ●
2	109-3678	4	Bearing-Ball
3	3256-68	2	Washer-Flat
4	100-1668	2	Screw-HHF
5	144-0375	2	Cap-Grease
6	145-3660	2	Spacer-Bearing

● Not serviced separately

Fork and Caster Assembly

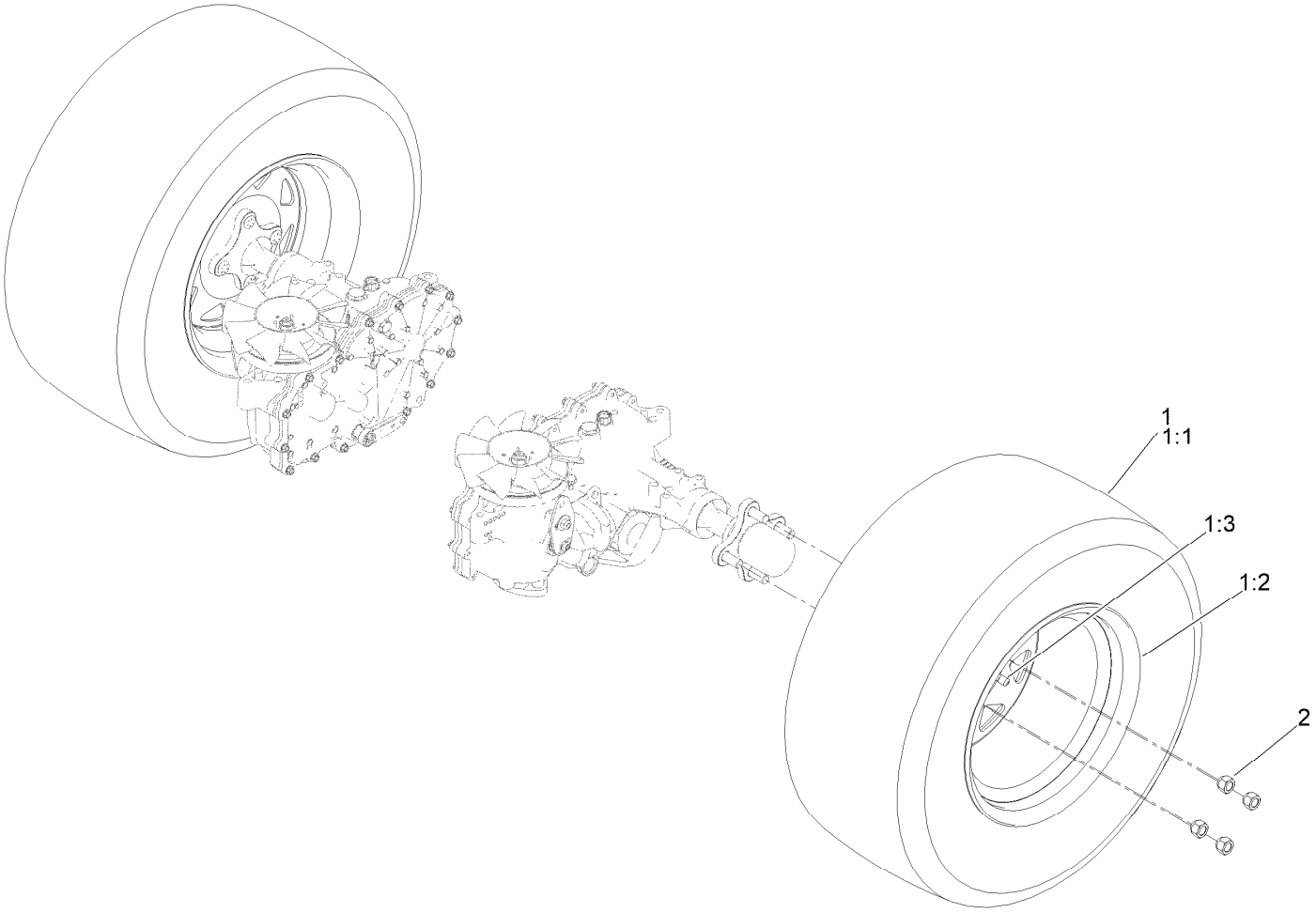


Fork and Caster Assembly (continued)

Ref.	Part Number	Qty.	Description
1	142-7827-01	1	Fork-Caster
2	139-3639	1	ASM-Pneumatic 13X6.50-6
2:1		1	Wheel And Bearings ASM ●
2:1:1		1	Wheel And Tire ASM 13X6.5-6 ●
2:1:1:2	5108	1	Valve
2:1:1:3	126-5959	1	Tire
2:1:2	126-7796	1	Caster Axle ASM
2:1:2:1	126-5220	1	Axle-Caster
2:1:2:2	103-3051	1	Spacer-Nut
2:1:3	1-633585	2	Bearing-Cone, Taper
2:1:4	103-3051	1	Spacer-Nut
2:1:5	103-0063	2	Seal-Caster
2:2	126-5389	1	Screw-HHF
2:3	99-5107	1	Nut-HF Nylock
2:4	103-2768	2	Guard-Seal

● Not serviced separately

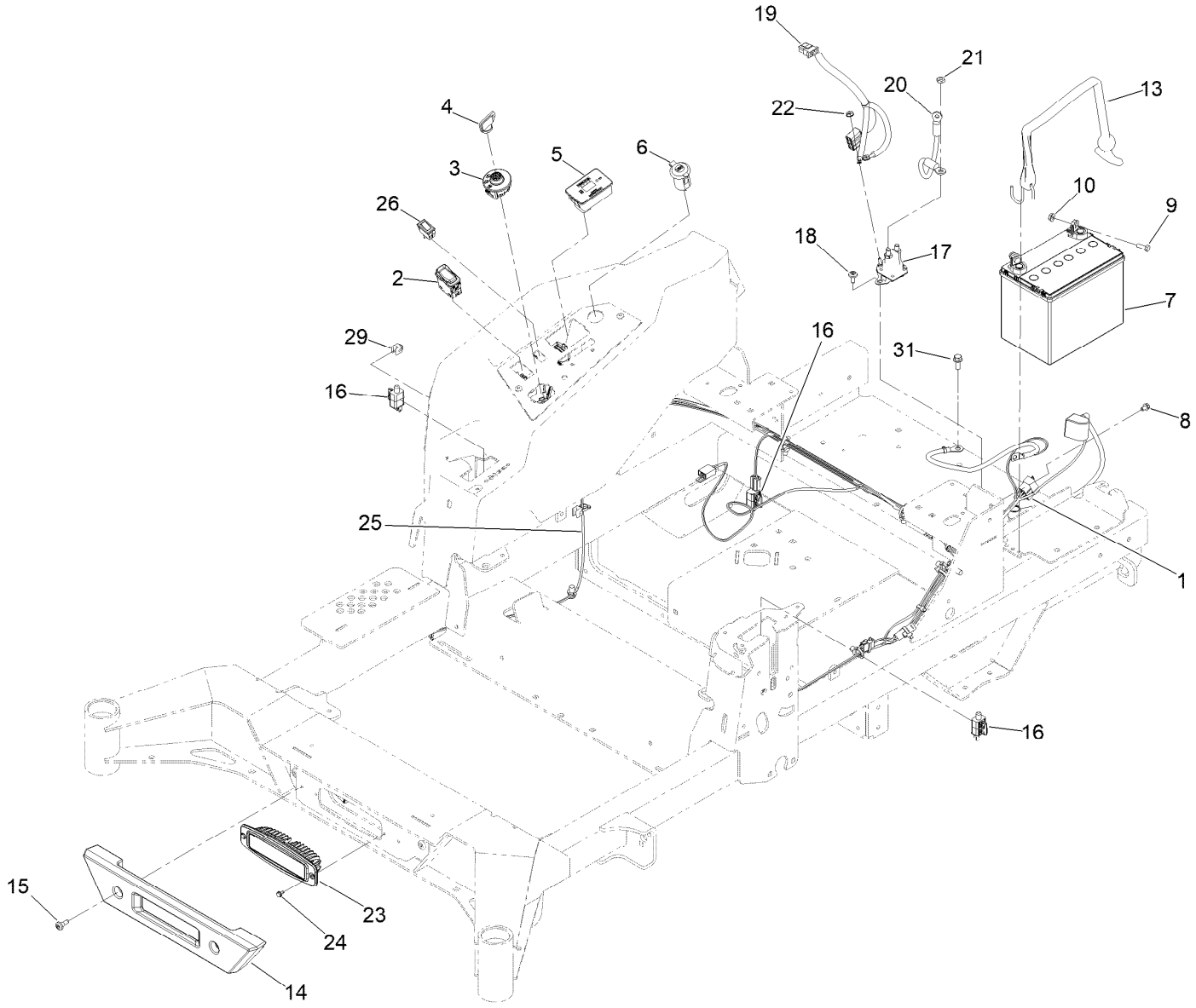
Rear Drive Wheel Assembly



Rear Drive Wheel Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-5029	2	ASM-Voodoo Trac 24X9.5-12
1:1	147-5032	1	Tire-Voodoo 24X9.5-12
1:2	140-7967	1	Wheel
1:3	232-27	1	Stem-Valve
2	139-2564	8	Nut-Lug

Electrical Assembly



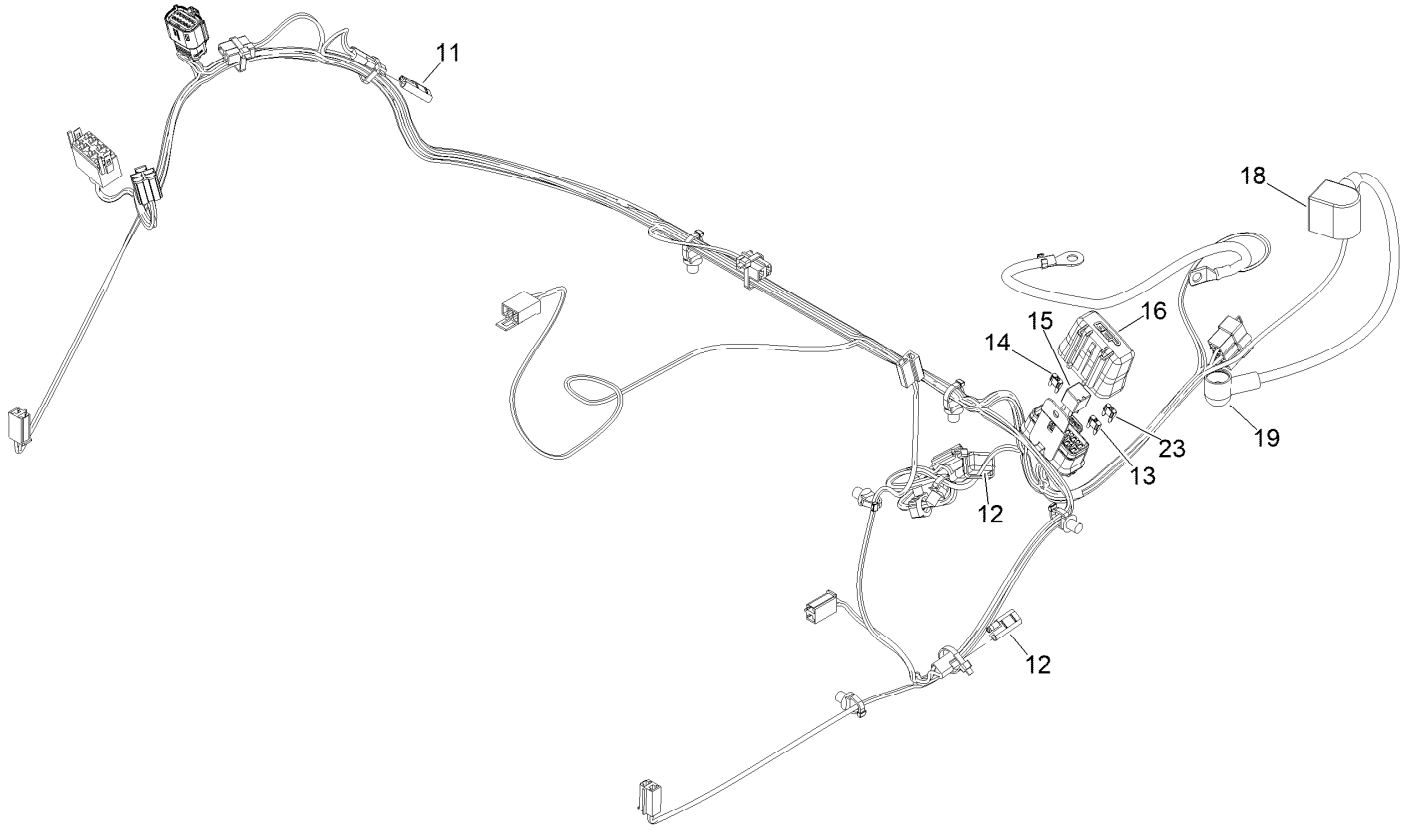
Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-2363	1	Harness-Wire, Zmaster
2	139-6368	1	Switch-Rocker, On-None-On
3	137-4100	1	Switch-Ignition
4	63-8360	1	Key-Ignition
5	116-5609	1	Module ASM
6	140-7955	1	Port-Power, USB
7	104-8162	1	Battery
8	99-8445	1	Screw-HWH
9	321-4	2	Screw-HH
10	32128-33	2	Nut-HF
13	142-8697	1	Strap, Bungee
14	147-7853	1	Bumper-Front
15	135-2015	2	Screw-Shoulder
16	110-6765	3	Switch
17	117-1197	1	Solenoid
18	126-6266	2	Screw-Tph
19	126-5036	1	Adapter-Harness, Wire
20	100-3540	1	Cable-Battery, Positive
21	3220-2	1	Nut-Hex Jam
22	32149-8	2	Nut-Keps
23	139-8089	1	Light - Flush Mount
24	104-2065	2	Screw-HWH
25	140-1213	1	Harness-Wire, Light Kit
26	92-8875	1	Switch-Rocker
29	32180-082	1	Clip-Edge W/Tie, Perpendicular
31	3234-14	1	Screw-HHF
99	1-603511	1	Keys-Ignition (Spare Pair) ● ■

● Not illustrated

■ Optional Equipment

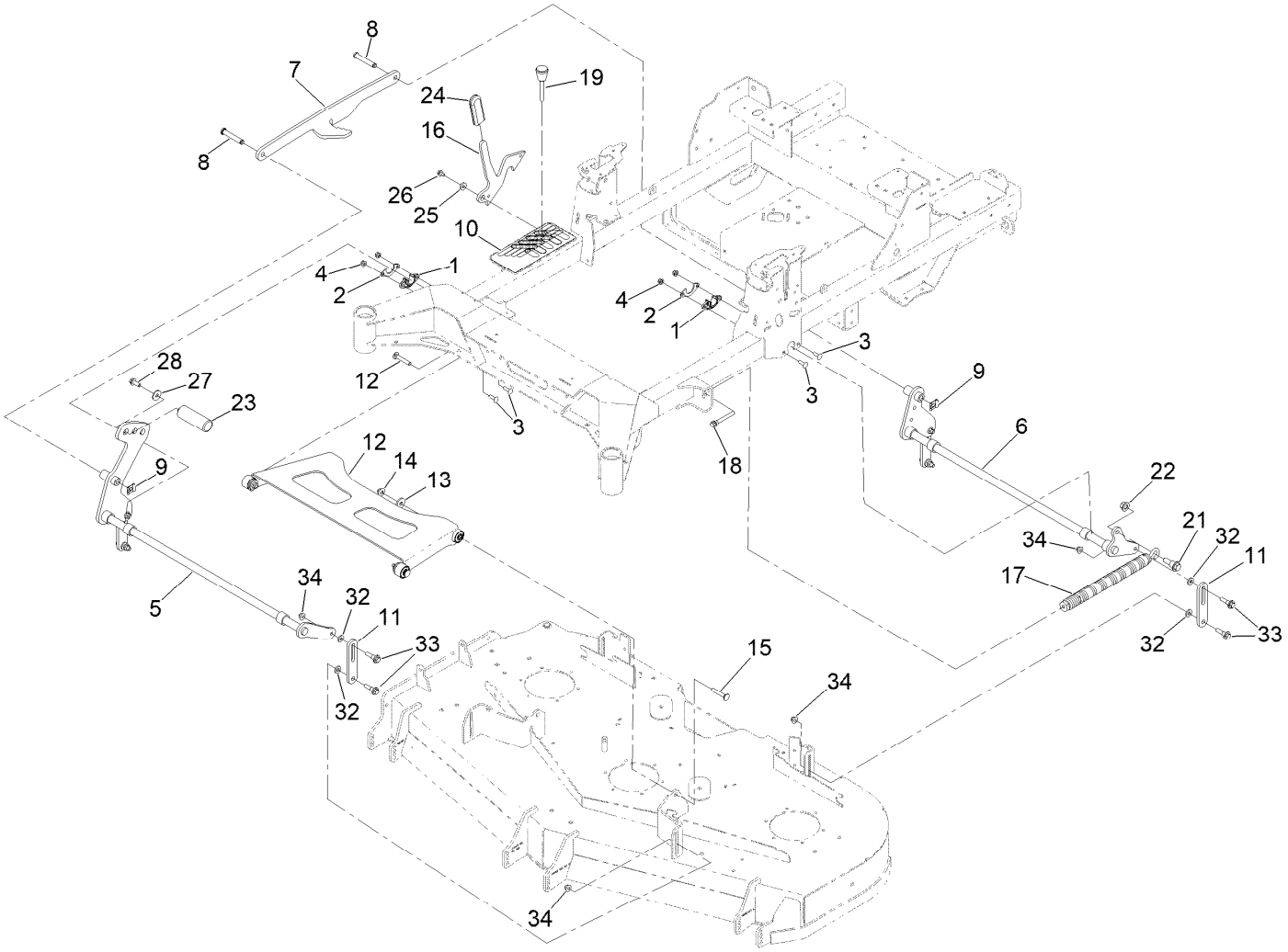
Wire Harness Assembly No. 147-2363



Wire Harness Assembly No. 147-2363 (continued)

Ref.	Part Number	Qty.	Description
11	116-0053	2	Cap-Plug
12	103-3895	1	Diode
13	121-8867	1	Fuse-Mini Blade, 15 Amp
14	121-8868	1	Fuse-Mini Blade, 20 Amp
15	126-3991	1	Relay-Micro
16	32180-176	1	Cover-Block, Fuse
18	126-8876	1	Insulator-Battery
19	1-543393	1	Insulator-Solenoid
23	121-8869	1	Fuse-Mini Blade, 25 Amp

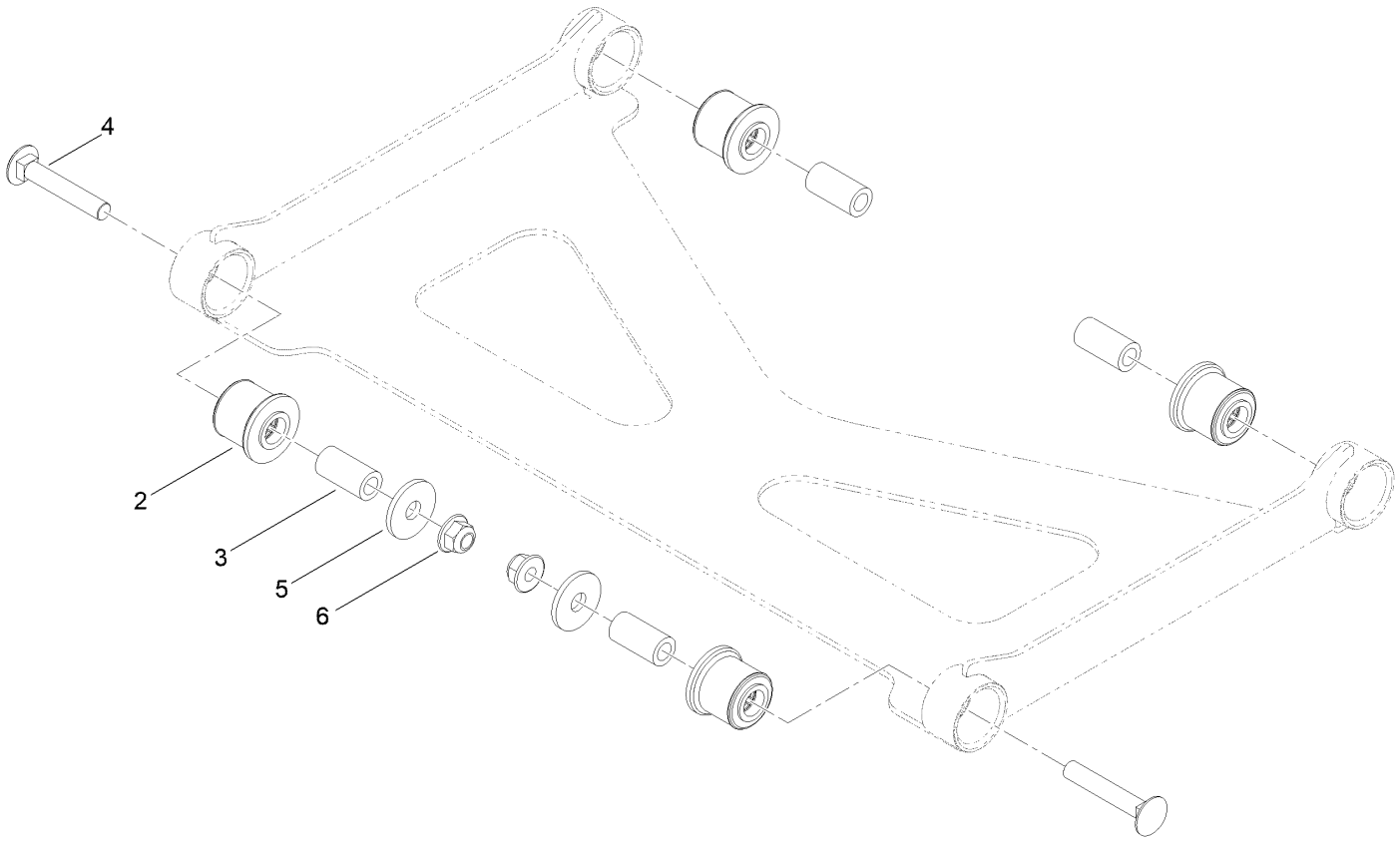
Deck Lift Assembly



Deck Lift Assembly (continued)

Ref.	Part Number	Qty.	Description
1	139-5872	4	Bearing-Flange
2	116-2887	4	Gusset-Lift, Deck
3	3230-22	8	Screw-CARR
4	104-8300	8	Nut-HF, NI
5	139-8050-03	1	Front Deck Lift Shaft ASM
6	140-4975-03	1	Shaft-Lift, Deck
7	126-4639-03	1	Link-HOC
8	126-9181	2	Pin-Clevis
9	138-8491	2	Clip-Pin
10	147-2360	1	Decal-HOC
11	145-5702-03	4	Link-Lift, Deck
12	140-1179	1	Deck Strut W/ Bushings ASM
13	1-373034	2	Washer
14	109-6658	2	Nut-Flange, NI
15	3231-7	2	Screw-CARR
16	145-8475-03	1	Plate-Transport Lock
17	116-0886	1	Spring-Extension
18	92-7674	1	Bolt-Shoulder
19	126-5401	1	Pin-HOC
21	116-0780	1	Screw-Shoulder, HHF
22	99-5107	1	Nut-HF Nylock
23	140-4959	1	Pedal-Foot Lift
24	132-4749	1	Grip-Lever
25	104-7658	1	Spacer
26	9266934	1	Screw
27	2844	1	Washer
28	3234-42	1	Screw-HHF
32	43-0940	8	Spacer
33	130-0742	8	Bolt-Shoulder
34	104-8301	8	Nut-HF, NI

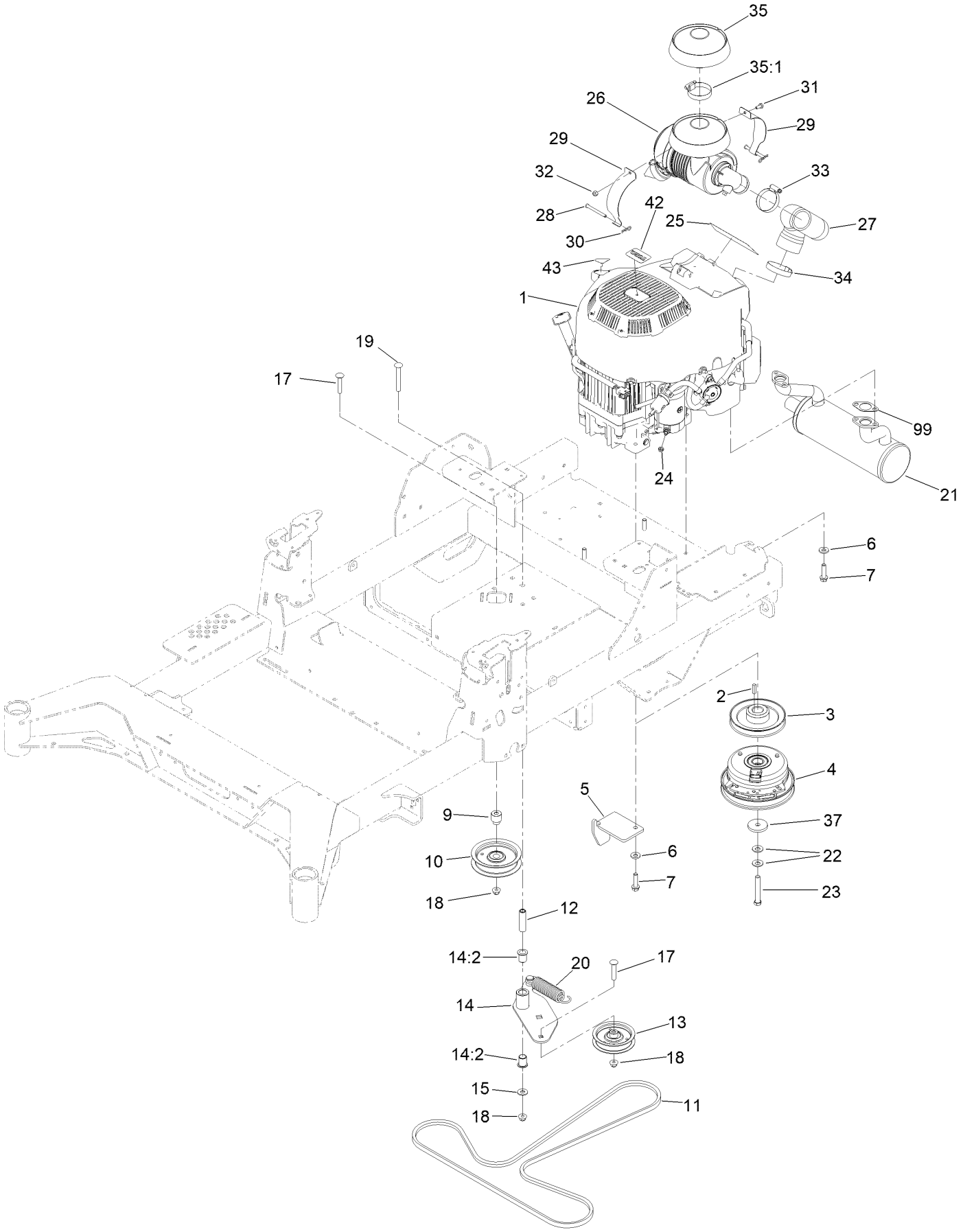
Deck Strut Assembly No. 140-1179



Deck Strut Assembly No. 140-1179 (continued)

Ref.	Part Number	Qty.	Description
2	126-8360	4	Bushing-Rubber, Suspension
3	108-6544	4	Spacer
4	3231-7	2	Screw-CARR
5	2844	2	Washer
6	104-8301	2	Nut-HF, NI

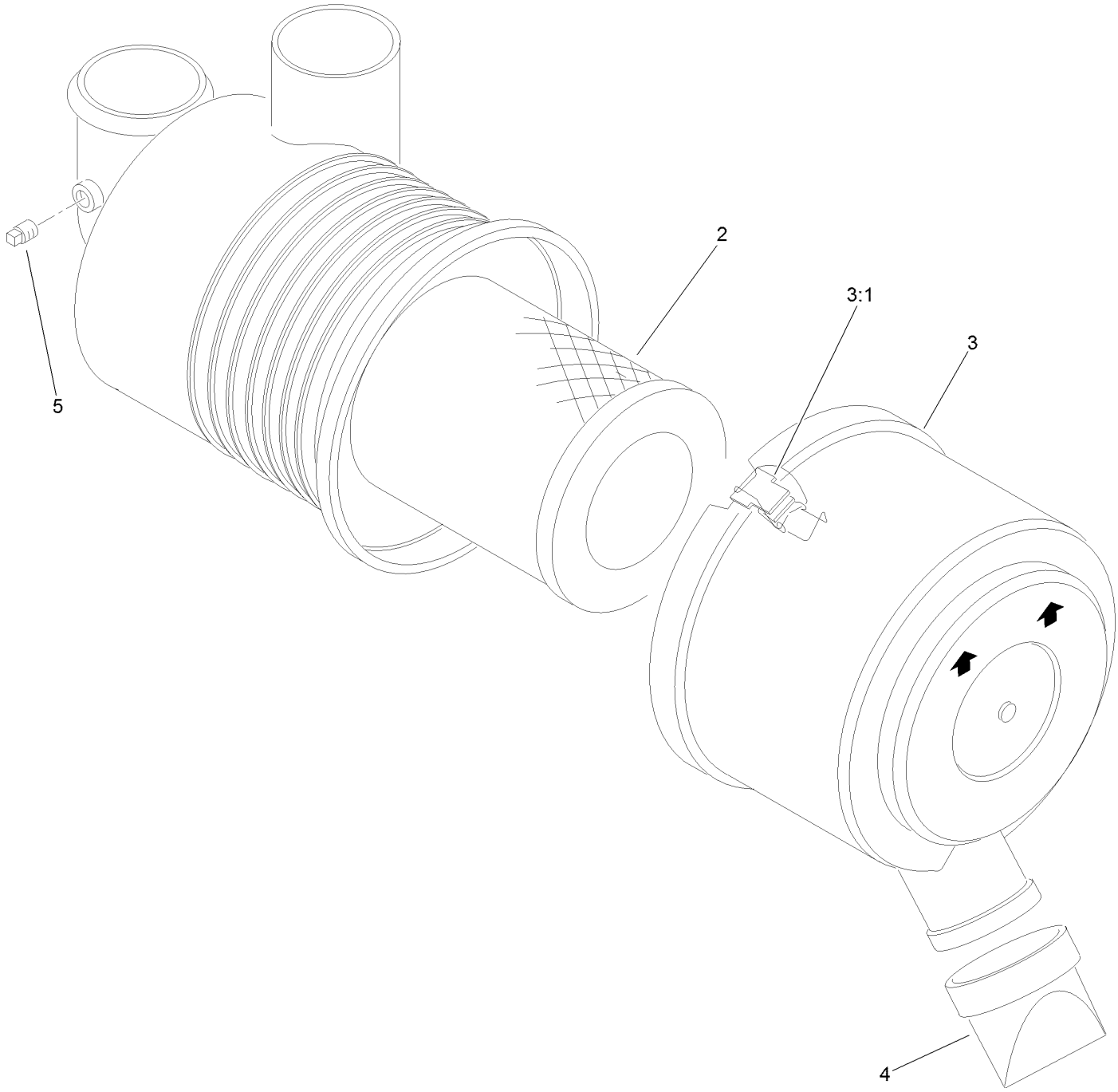
Engine, Clutch and Muffler Assembly



Engine, Clutch and Muffler Assembly (continued)

Ref.	Part Number	Qty.	Description
1	136-7823	1	Engine-2P77F-HD
2	1-807259	1	Key
3	138-6007	1	Sheave-Engine
4	147-2400	1	Clutch 6.75, 105 Ftlb, 1.00 Dd
5	140-1190	1	Anchor-Clutch
6	98-5975	4	Washer-Belleville
7	32144-102	4	Screw-HWH
9	126-7684	1	Bushing-Idler
10	132-4718	1	Pulley-Idler, Flat
11	145-5727	1	Belt-V
12	139-6690	1	Bushing, Idler Pivot
13	140-4964	1	Pulley-Idler, Flat
14	145-5731	1	Idler Arm ASM
14:2	138-2573	1	Bushing-Flange
15	3256-4	1	Washer-Flat
17	117-9971	2	Bolt-Carriage
18	104-8301	3	Nut-HF, NI
19	3231-42	1	Screw-CARR
20	138-7264	1	Spring-Extension
21	126-5864	1	Muffler
22	1-603610	2	Washer-Spring
23	126-7198	1	Screw-HH W/Loctite
24	33003-00	1	Nut-HF
25	140-2715	1	Decal
26	93-2190	1	Air Cleaner ASM
27	136-9242	1	Hose-Intake
28	137-2011	2	Pin-Clevis
29	136-9243	2	Strap-Canister, Air
30	1-806003	2	Pin-Cotter
31	137-3041	1	Screw-HH
32	137-3088	1	Nut-Hex
33	1-643009	1	Clamp-Hose
34	2412-130	1	Clamp-Hose
35	136-7859	1	Rain Cap Kit
35:1	1-643009	1	Clamp-Hose
37	109-6919	1	Washer-Plain
42	110-1136	1	Decal
43	131-1097	1	Decal-Drain, Oil
99	120-4317	2	Gasket-Exhaust

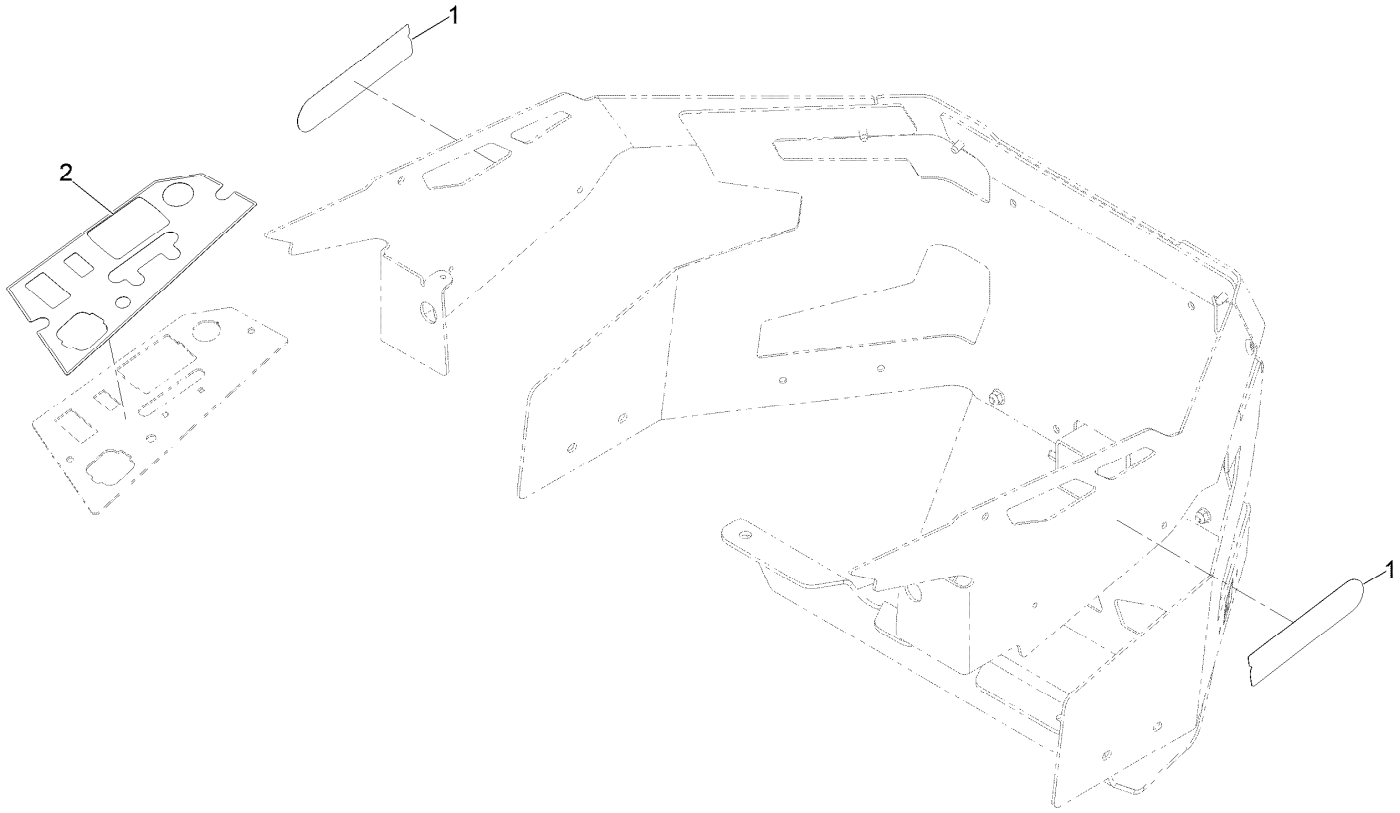
Air Cleaner Assembly No. 93-2190



Air Cleaner Assembly No. 93-2190 (continued)

Ref.	Part Number	Qty.	Description
2	108-3811	1	Filter-Air V-Twin HD
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe

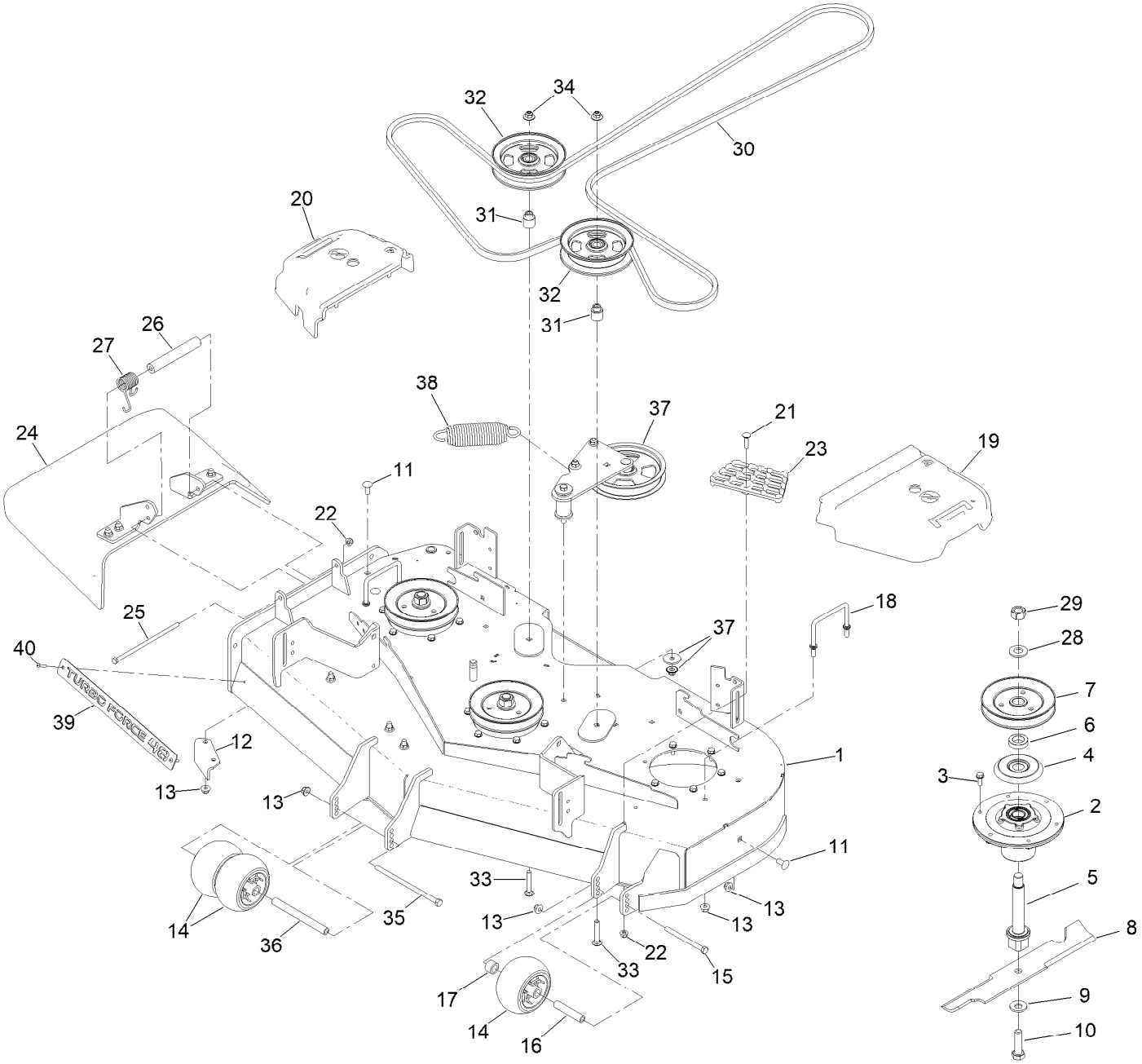
Decal Assembly



Decal Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	145-8407	2	Decal-2000 Series
2	147-4953	1	Decal-Panel, Control

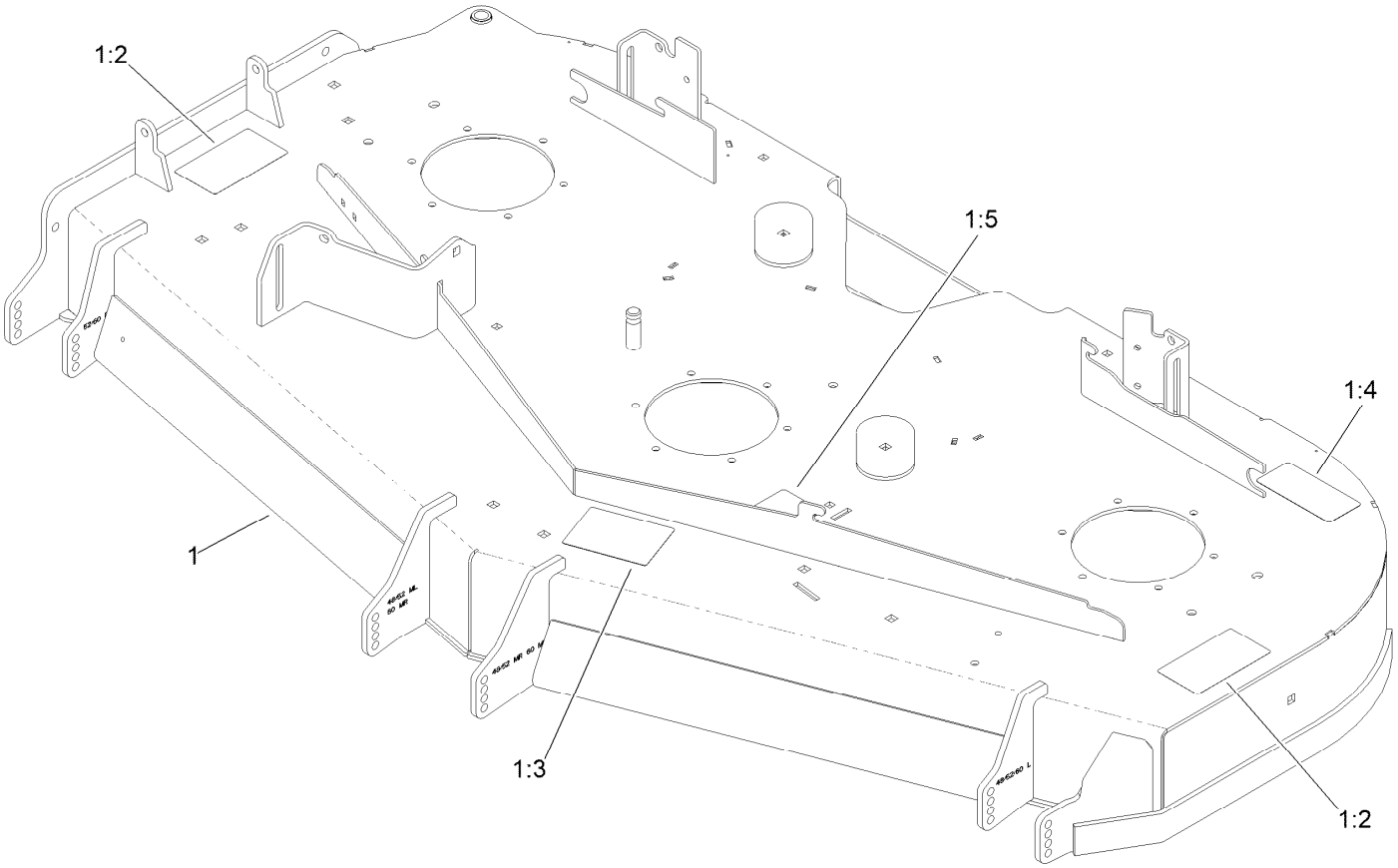
Deck Assembly



Deck Assembly (continued)

Ref.	Part Number	Qty.	Description
1	147-7371	1	Deck Decal ASM
2	139-2357	3	Spindle ASM
3	32144-41	18	Screw-Taptite
4	117-7210	3	Shield-Bearing
5	133-2126	3	Shaft-Spindle
6	147-2381	3	Spacer-Pulley
7	138-6065	3	Sheave,Blade Drive 5.91
8	133-2137	3	Blade-Rotary, 16.5In (Hi Flow)
9	125-1736	3	Washer-Belleville
10	51-4060	3	Screw-Blade
11	3231-27	8	Screw-CARR
12	107-8541-01	1	Baffle-Discharge
13	104-8301	14	Nut-HF, NI
14	1-603299	3	Roller-Scalp, Anti
15	323-23	1	Screw-HH
16	133-2129	1	Tube-Shafting
17	133-2128	1	Tube-Spacer
18	109-6982	2	Wireform-Cover
19	109-6936	1	Cover-Belt, LH
20	109-6935	1	Cover-Belt, RH
21	3230-3	1	Screw-CARR
22	104-8300	2	Nut-HF, NI
23	126-4781-03	1	Step-Deck
24	144-2635	1	Rubber Deflector ASM
25	322-50	1	Screw-HH
26	105-4622	1	Spacer
27	108-4052	1	Spring-Torsion
28	103-2802	3	Washer
29	116-7306	3	Nut-Hex
30	144-0358	1	Belt-V
31	139-8061	2	Bushing, Idler
32	132-9425	2	Pulley-Idler, Flat
33	3231-7	2	Screw-CARR
34	109-6658	2	Nut-Flange, NI
35	108-5388	1	Screw-HH
36	98-5967	1	Spacer-Wheel
37	139-1087	1	Idler Arm ASM
38	116-6317	1	Spring-Extension
39	147-4976-03	1	Plate-Turbo Force [black]
40	130-8451	2	Rivet-Trifold

Deck Decal Assembly No. 147-7371

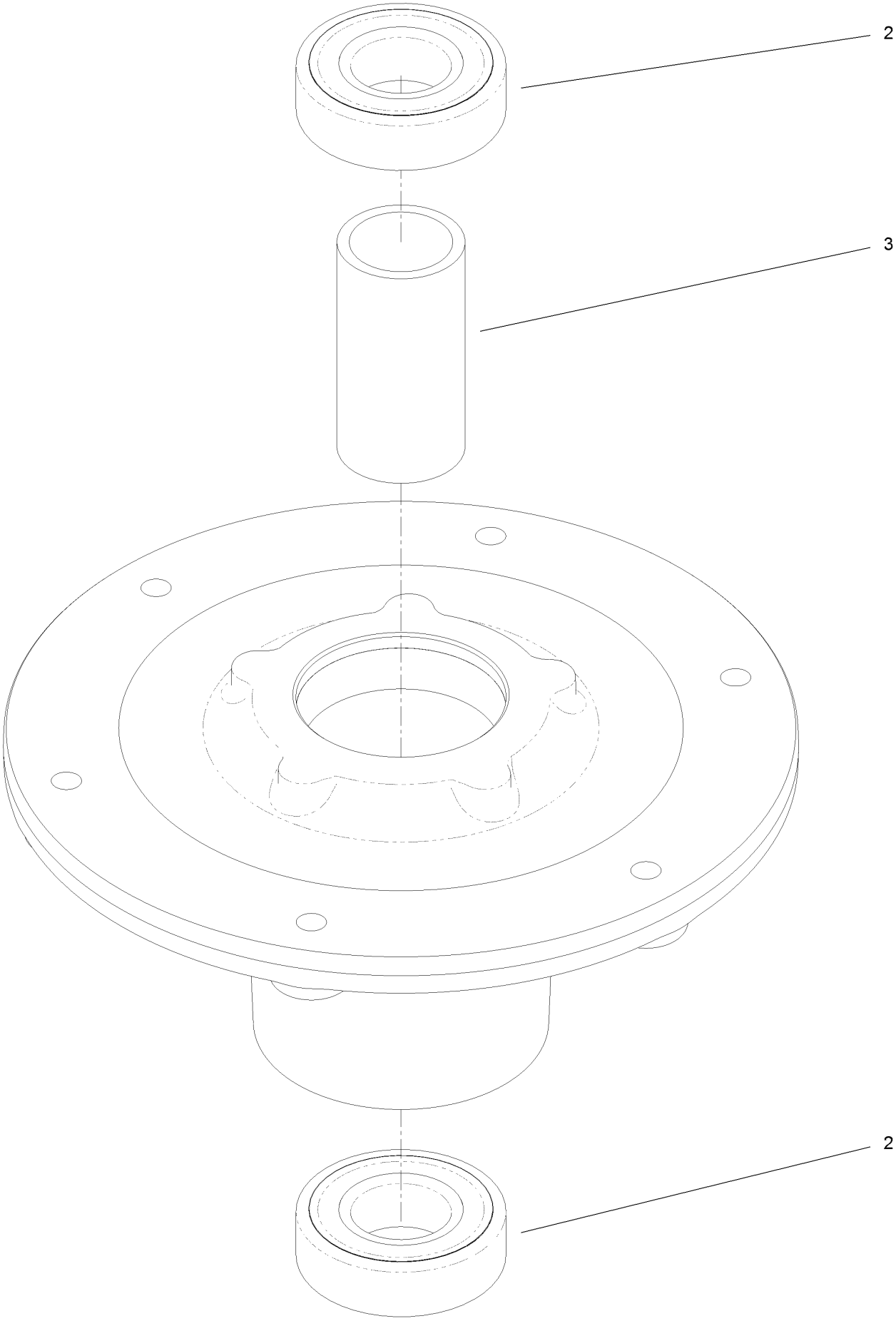


Deck Decal Assembly No. 147-7371 (continued)

Ref.	Part Number	Qty.	Description
1		1	ASM-Deck W/Decals ●
1:2	117-3848	2	Decal-Danger
1:3	127-0326	1	Decal-Scalp, Anti
1:4	93-7818	1	Decal-Torque, Blade Bolt
1:5	109-6035	1	Decal-Routing, Belt

● Not serviced separately

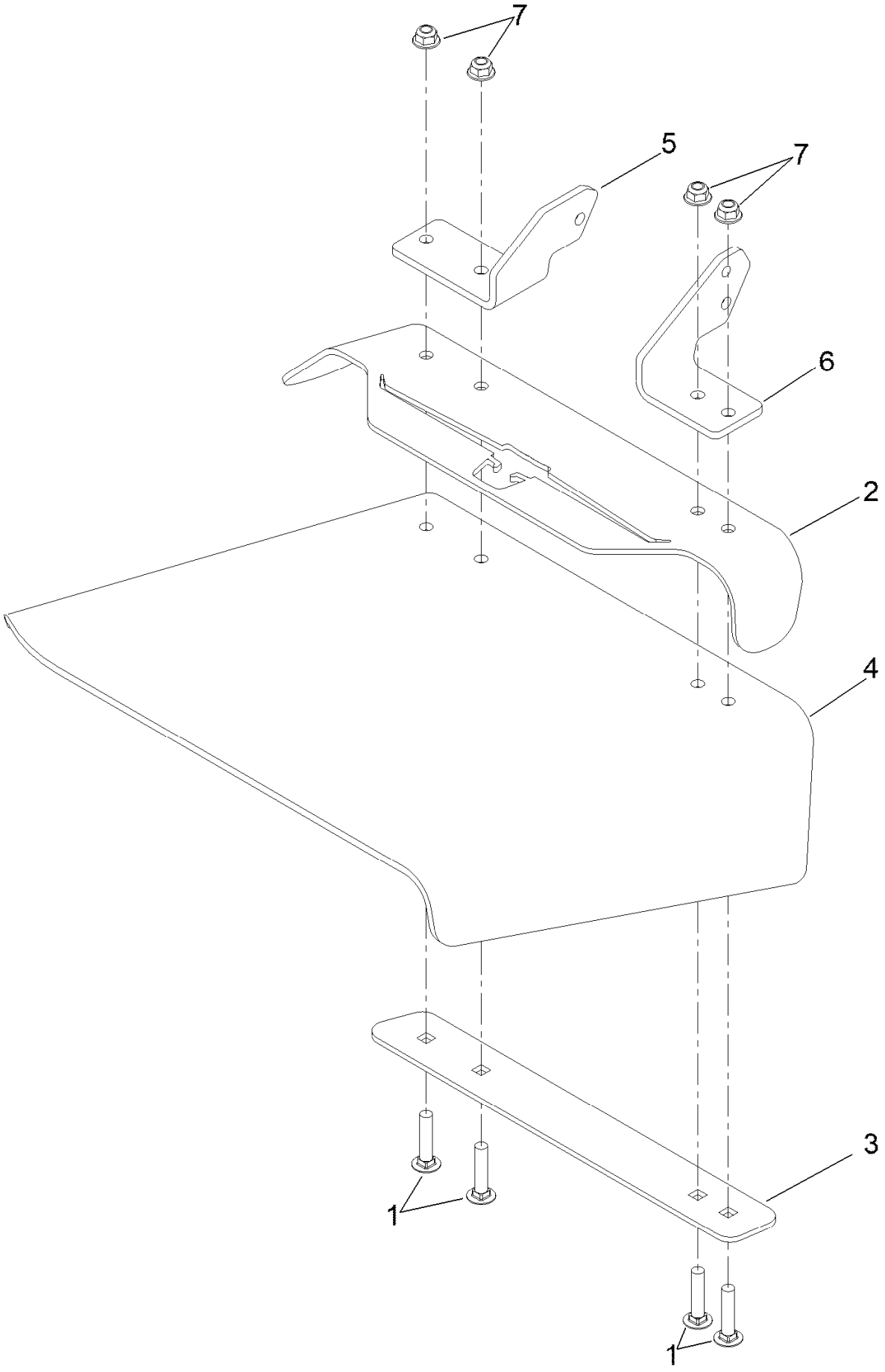
Spindle Assembly No. 139-2357



Spindle Assembly No. 139-2357 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
2	116-0720	2	Bearing-Ball
3	138-7220	1	Spacer-Bearing

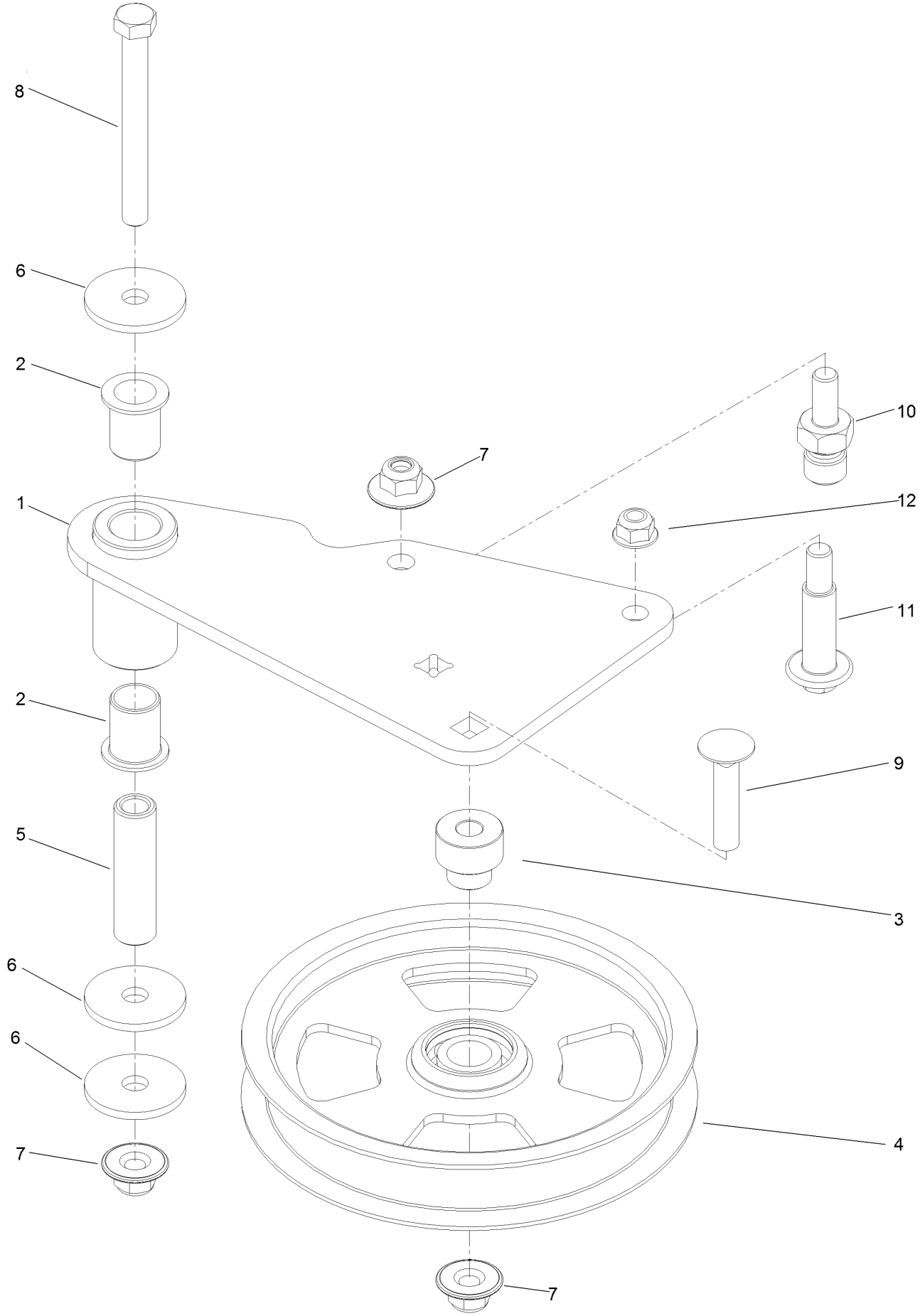
Deflector Assembly No. 144-2635



Deflector Assembly No. 144-2635 (continued)

Ref.	Part Number	Qty.	Description
1	3231-5	4	Screw-CARR
2	161-9815-01	1	Plate-Deflector Mount
3	106-3248-03	1	Strap-Discharge
4	161-3464	1	Deflector-Deck, Rubber
5	108-4059-01	1	Plate-Hinge, Rear
6	106-3253-01	1	Plate-Hinge, Front
7	104-8301	4	Nut-HF, NI

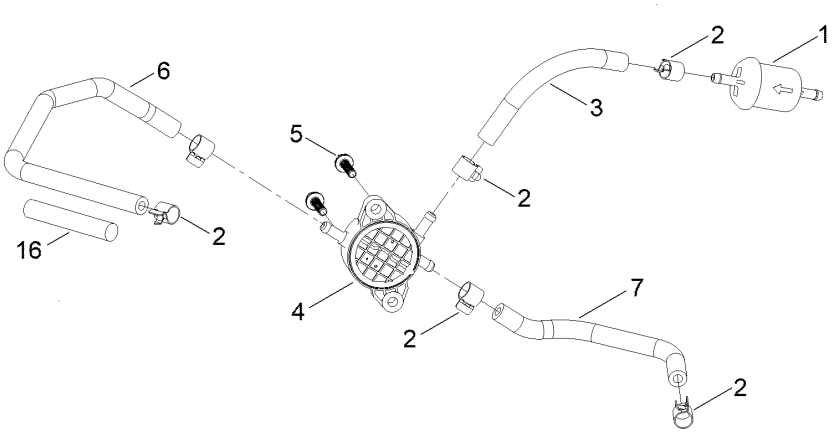
Idler Arm Assembly No. 139-1087

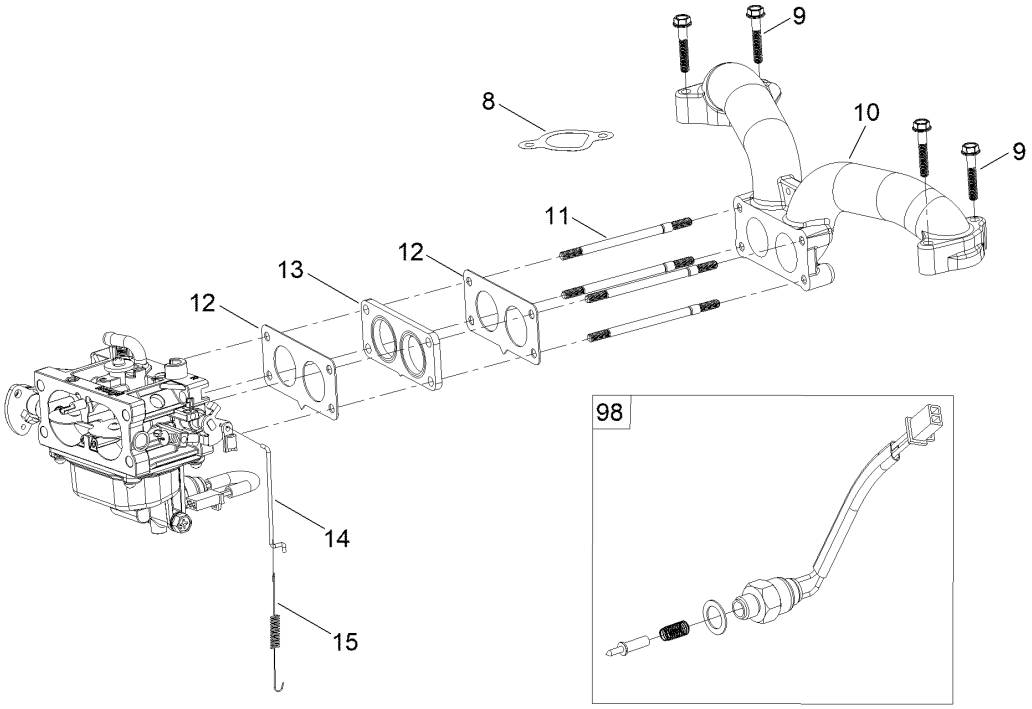


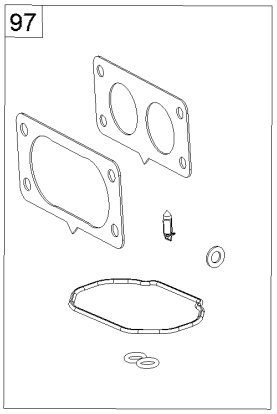
Idler Arm Assembly No. 139-1087 (continued)

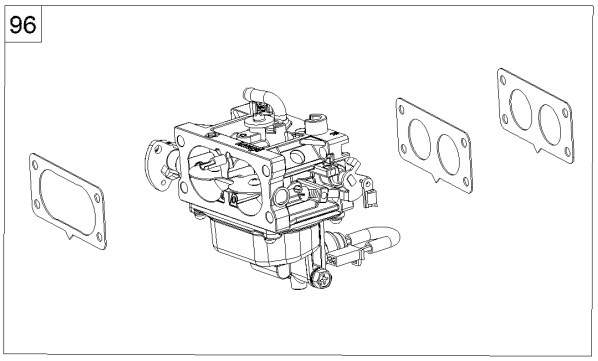
Ref.	Part Number	Qty.	Description
1	139-1086	1	Idler Arm ASM
2	138-2573	2	Bushing-Flange
3	139-8060	1	Bushing, Idler
4	132-9424	1	Pulley-Idler, Flat
5	139-6690	1	Bushing, Idler Pivot
6	1-213069	3	Washer
7	109-6658	3	Nut-Flange, NI
8	323-15	1	Screw-HH
9	3231-5	1	Screw-CARR
10	132-4729	1	Anchor-Spring, Short
11	136-9028	1	Bolt-Shoulder, HWH
12	104-8301	1	Nut-HF, NI

Fuel System Assembly







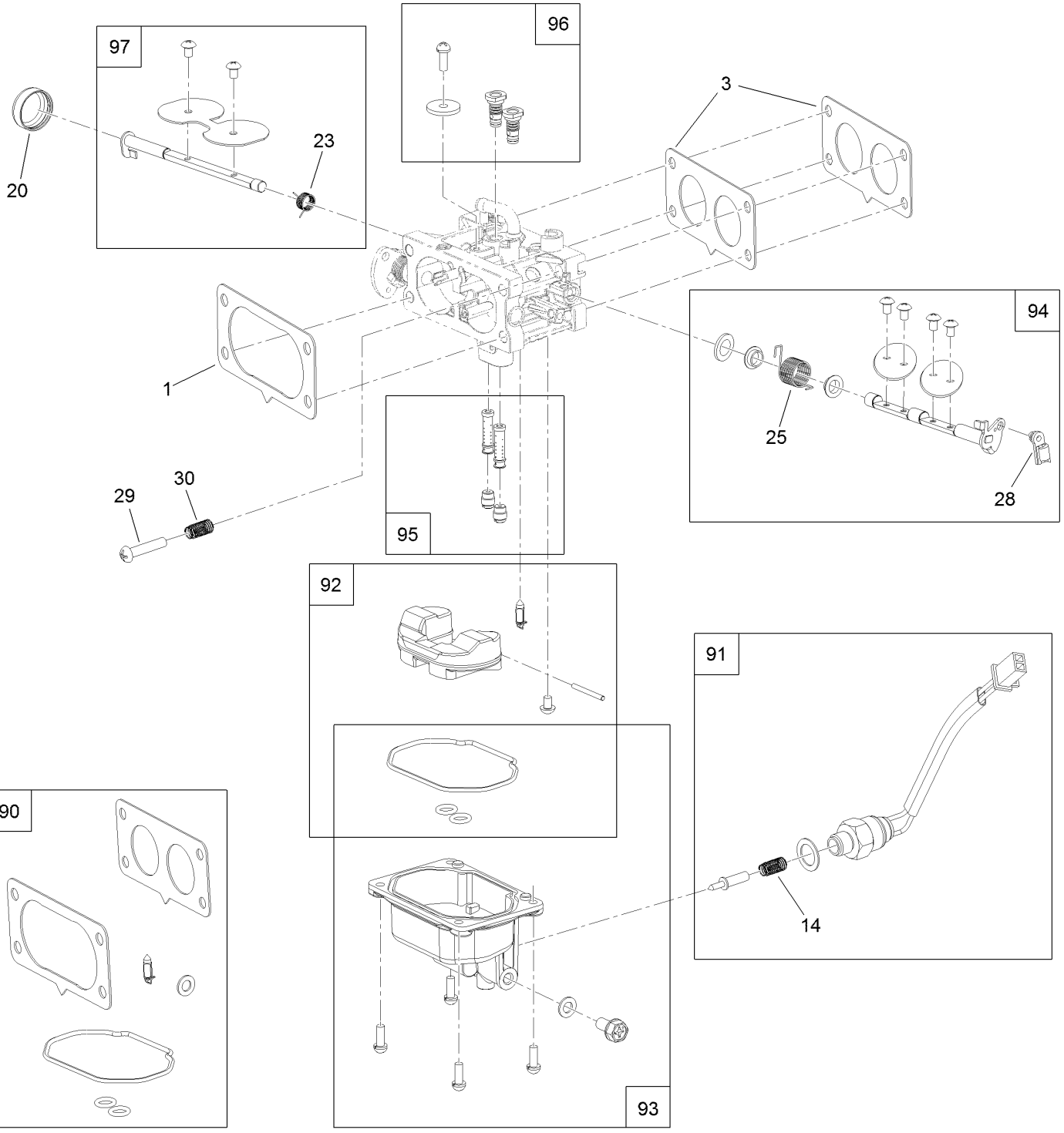


Fuel System Assembly (continued)

Ref.	Part Number	Qty.	Description
1	139-0717	1	Filter-Fuel
2	139-0719	6	Clamp-Fuel Hose
3	120-4371	1	Hose-Fuel
4	139-0684	1	Pump-Fuel
5	120-4225	2	Screw-HHF
6	127-9205	1	Hose-Fuel
7	127-9207	1	Hose-Fuel
8	127-9230	2	Gasket-Intake
9	120-4284	4	Screw-HHF
10	127-9244	1	Manifold-Intake
11	127-9245	4	Stud
12	127-9246	2	Gasket-Carburetor
13	127-9247	1	Insulator-Carburetor
14	133-9963	1	Linkage-Throttle
15	133-9964	1	Spring-Return, Throttle
16	127-9355	1	Sleeve-Fuel Line Protector
96	136-7842	1	Carburetor Replacement Kit ASM
97	127-9290	1	Carburetor Repair Kit
98	127-9292	1	Solenoid Kit
99	136-7838	1	High Altitude Kit ●

● Not illustrated

Carburetor Assembly

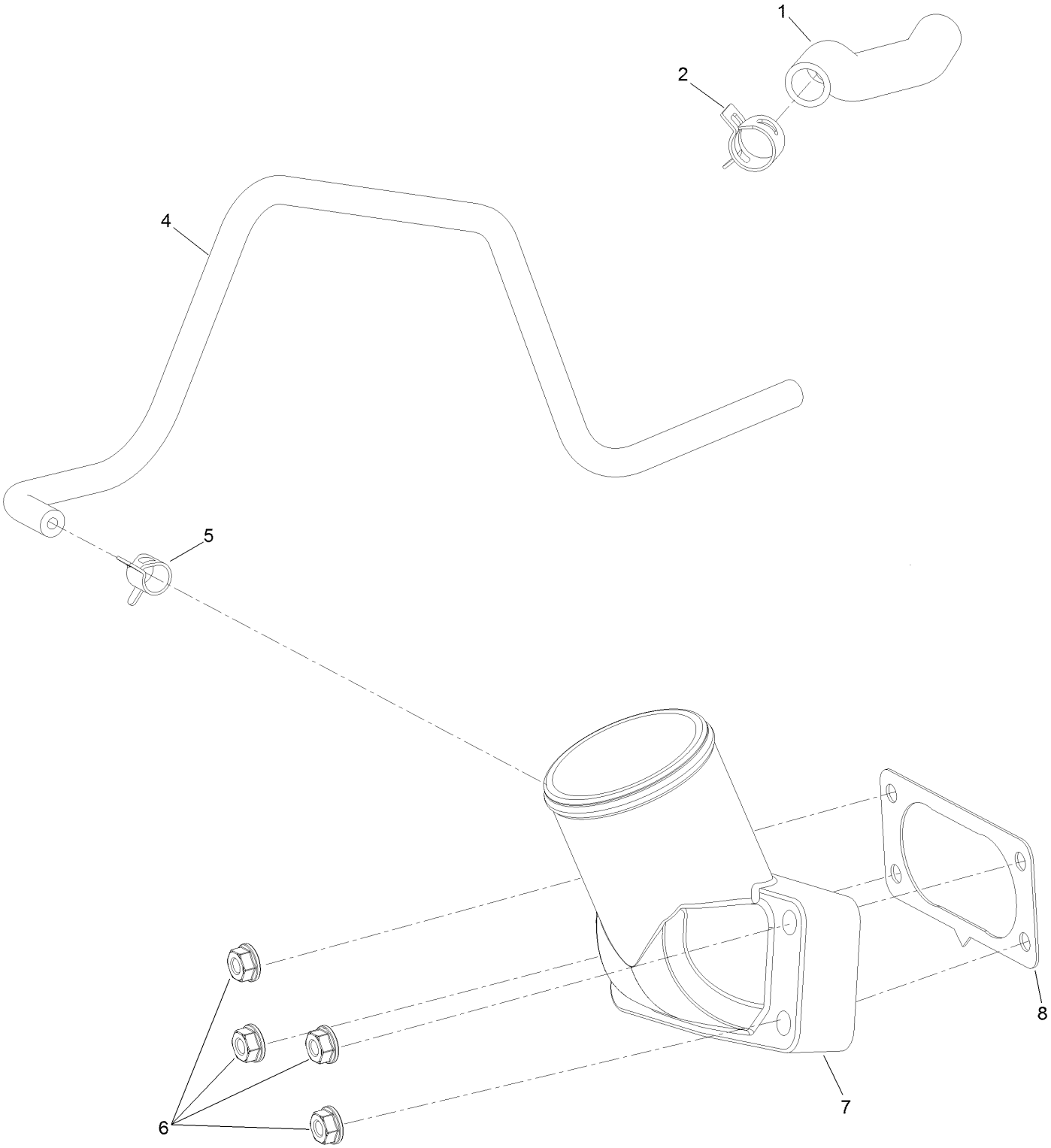


Carburetor Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9251	1	Gasket-Carburetor
3	127-9246	2	Gasket-Carburetor
14	127-9319	1	Spring
20	127-9325	1	Cover-Shaft, Choke
23	127-9328	1	Spring
25	127-9330	1	Spring
28	127-9333	1	Clamp-Lock
29	127-9334	1	Screw-PPH
30	127-9335	1	Spring

Ref.	Part Number	Qty.	Description
90	127-9290	1	Carburetor Repair Kit
91	127-9292	1	Solenoid Kit
92	127-9340	1	Float Kit
93	127-9341	1	Bowl Kit
94	133-9817	1	Throttle Shaft Kit
95	136-7846	1	Nozzle And Jet Kit
96	136-7899	1	Idle Jet Kit
97	127-9345	1	Choke Shaft Kit

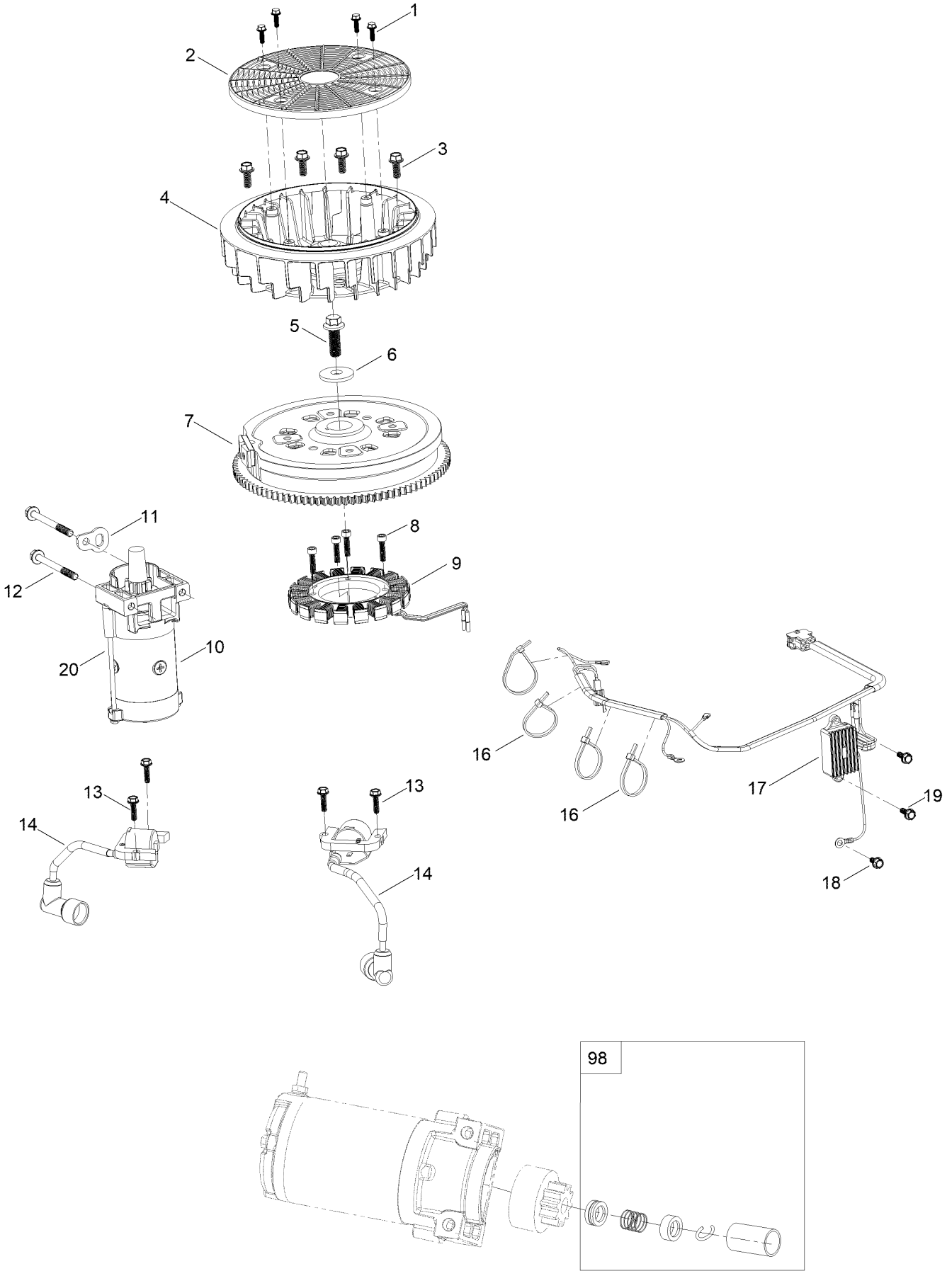
Air Intake and Filtration Assembly



Air Intake and Filtration Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9235	1	Tube-Breather
2	127-9234	2	Clamp-Hose
4	127-9253	1	Hose-Fuel
5	127-9187	1	Clamp-Hose
6	120-4236	4	Nut-Flange
7	136-9241	1	Manifold-Intake
8	127-9251	1	Gasket-Carburetor

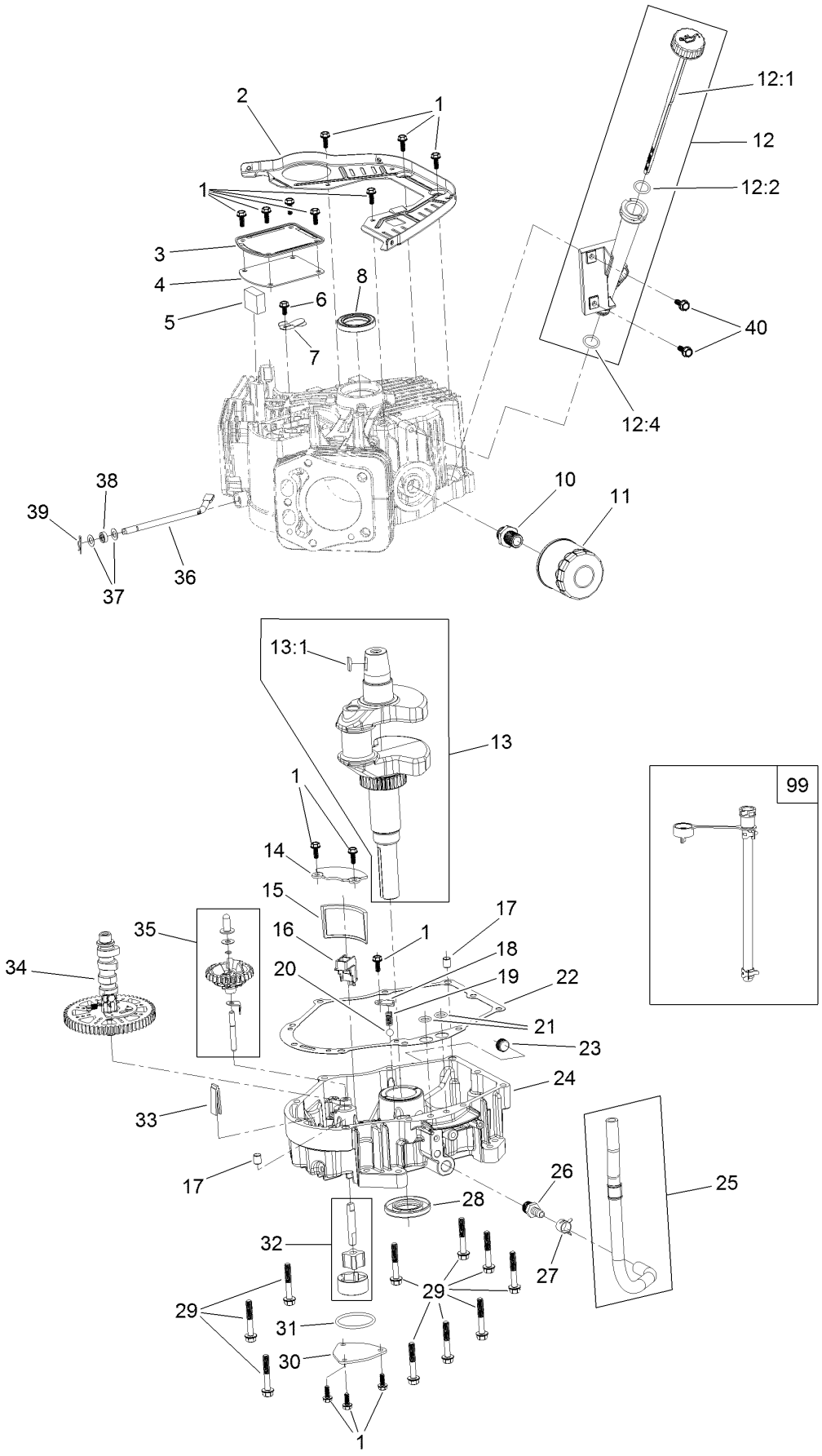
Ignition and Cooling Fan Assembly



Ignition and Cooling Fan Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9197	4	Screw-HWH
2	127-9198	1	Screen-Rotating
3	127-9199	4	Screw-HWH
4	127-9200	1	Fan-Cooling
5	127-9201	1	Screw-HWH
6	127-9202	1	Washer-Spring
7	127-9306	1	Flywheel
8	127-9210	4	Screw-HSH
9	136-7876	1	Alternator
10	136-7880	1	Motor-Starter
11	127-9208	1	Bracket-Lift
12	120-4231	2	Screw-HHF
13	121-0007	4	Bolt-Flange
14	139-0720	2	Ignition Coil ASM
16	127-9220	4	Tie-Zip
17	136-7879	1	Regulator-Voltage, W/Harness
18	120-4216	1	Screw-HHF
19	120-4232	2	Screw-HHF
20	133-1562	1	Pinion-Starter
98	133-1566	1	Starter Repair Kit

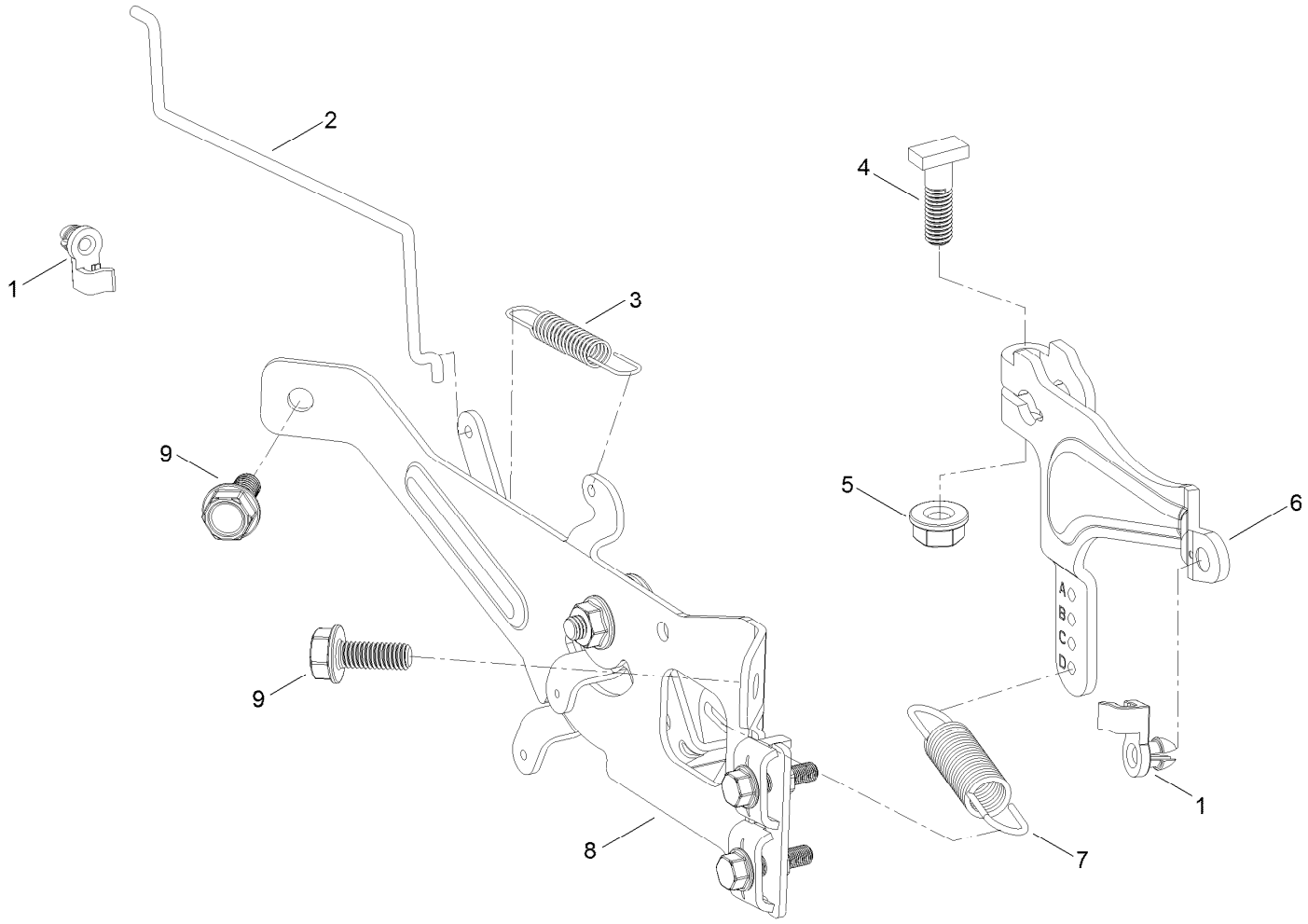
Crankcase and Crankshaft Assembly



Crankcase and Crankshaft Assembly (continued)

Ref.	Part Number	Qty.	Description
1	120-4232	14	Screw-HHF
2	127-9212	1	Baffle
3	127-9213	1	Cover-Breather
4	127-9214	1	Gasket-Breather
5	127-9215	1	Filter-Breather
6	120-4216	1	Screw-HHF
7	127-9217	1	Valve-Breather
8	120-4267	1	Seal-Oil
10	136-7884	1	Adaptor-Filter, Oil
11	136-7848	1	Filter-Oil
12	127-9218	1	Oil Tube ASM
12:1	127-9283	1	Dipstick
12:2	127-9284	1	O-Ring
12:4	127-9286	1	O-Ring
13	127-9255	1	Crankshaft
13:1	120-4320	1	Key-Woodruff
14	127-9261	1	Cover-Screen, Oil
15	127-9262	1	Screen-Oil
16	127-9263	1	Retainer-Screen
17	120-4274	2	Pin-Dowel
18	127-9264	1	Plate-Retainer
19	127-9265	1	Spring
20	127-9266	1	Valve-Ball
21	120-4262	2	O-Ring
22	127-9267	1	Gasket-Cover, Crankcase
23	133-9805	1	Plug-Drain
24	133-9806	1	Cover-Crankcase
25	127-9293	1	Oil Drain Hose ASM
26	127-9275	1	Fitting-Hose
27	127-9276	1	Clamp-Hose
28	127-9271	1	Seal
29	121-0473	10	Screw-HHF
30	127-9274	1	Cover-Oil Pump
31	127-9273	1	O-Ring
32	127-9272	1	Oil Pump ASM
33	120-4275	1	Deflector-Oil, Rubber
34	133-1568	1	Camshaft
35	136-7882	1	Governor ASM
36	127-9238	1	Shaft-Governor
37	120-4258	2	Washer-Plain
38	120-4257	1	Seal-Oil
39	120-4256	1	Pin-Hair
40	120-4232	2	Screw-HHF
99	144-0976	1	Oil Drain Service Kit

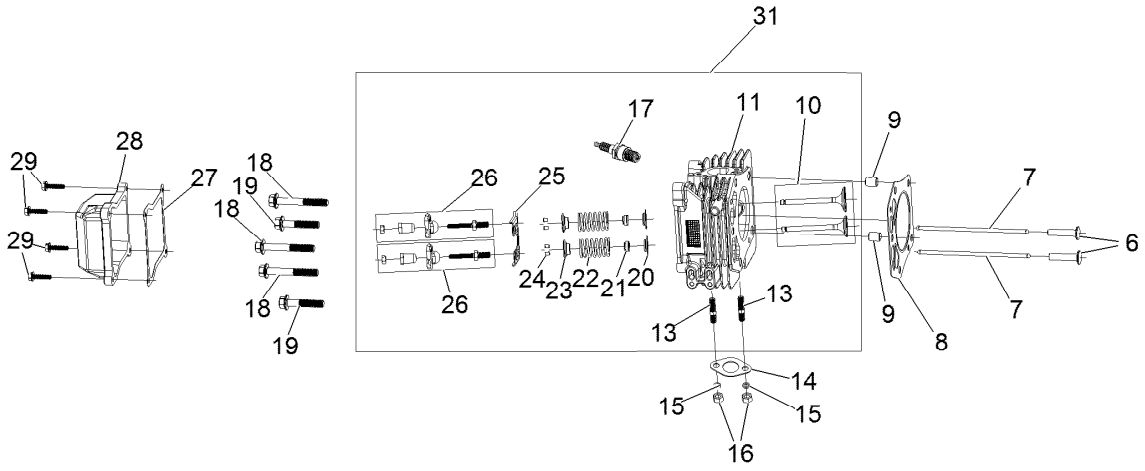
Governor Control Assembly

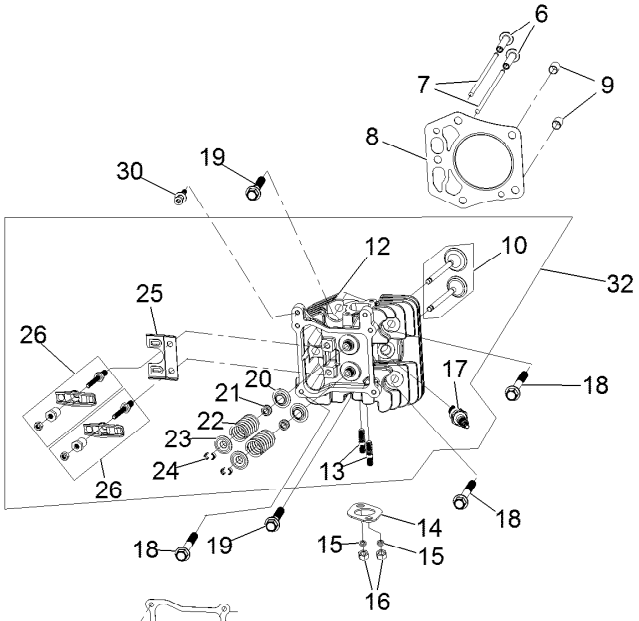


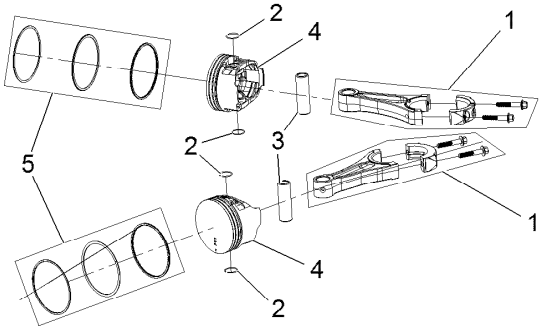
Governor Control Assembly (continued)

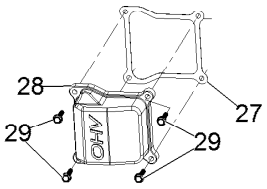
Ref.	Part Number	Qty.	Description
1	127-9250	2	Clip-Linkage
2	127-9242	1	Linkage-Choke
3	127-9241	1	Spring-Governor
4	120-4238	1	Bolt-Arm, Governor
5	120-4236	1	Nut-Flange
6	133-9961	1	Arm-Governor
7	133-9962	1	Spring-Governor
8	133-1570	1	Control Plate ASM
9	120-4232	2	Screw-HHF

Piston and Cylinder Head Assembly





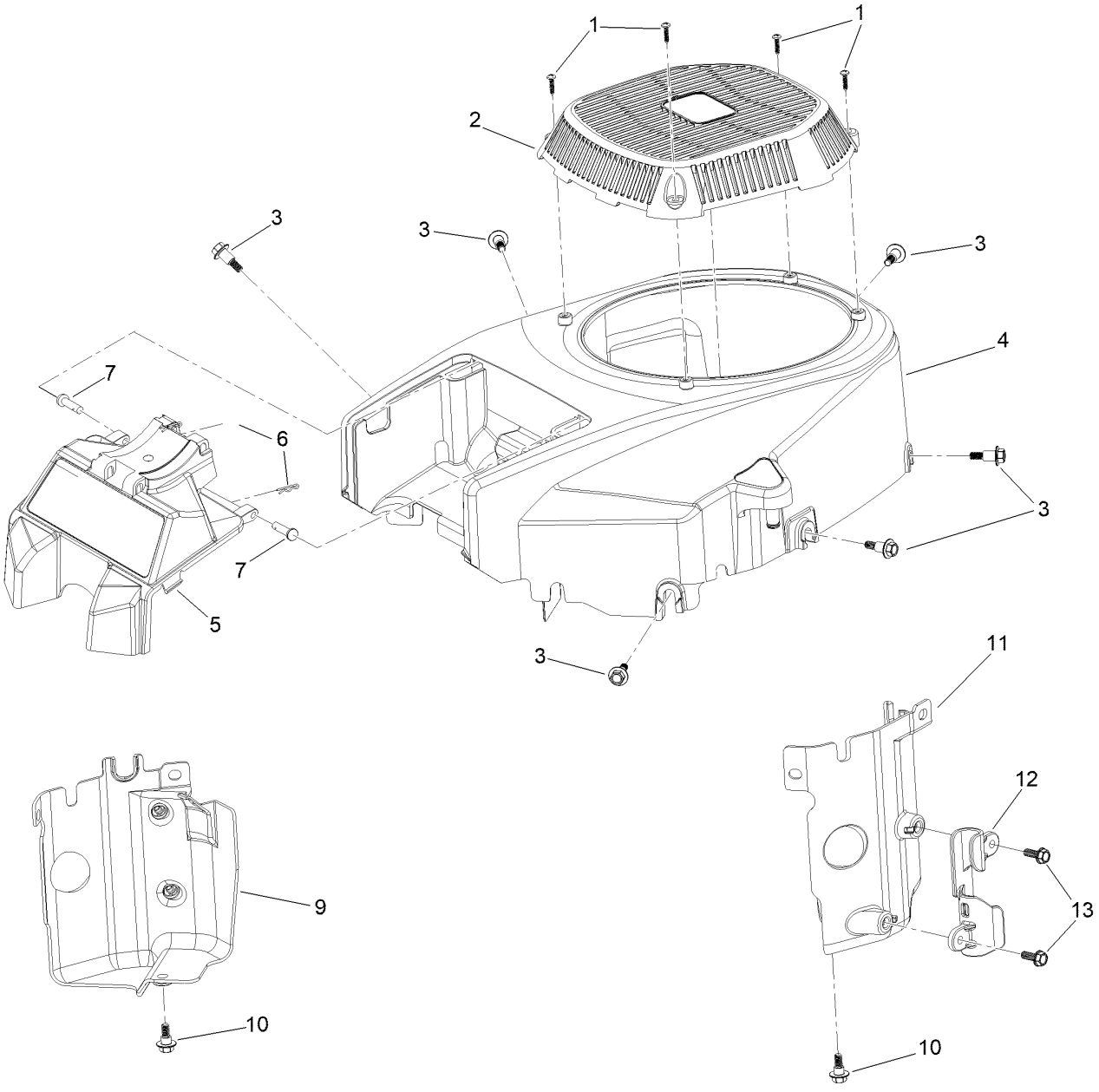




Piston and Cylinder Head Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-9256	2	Connecting Rod ASM
2	127-9258	4	Clip-Pin, Piston
3	127-9257	2	Pin-Piston
4	127-9259	2	Piston
5	127-9260	2	Piston Ring Set
6	127-9224	4	Lifter-Valve
7	127-9225	4	Rod-Push
8	127-9226	2	Gasket-Head, Cylinder
9	127-9227	4	Pin-Dowel
10	127-9228	2	Valve Set
11	133-9804	1	Head-Cylinder, Left
12	133-9802	1	Head-Cylinder, Right
13	121-0464	4	Stud-Exhaust
14	120-4317	2	Gasket-Exhaust
15	127-9279	4	Washer-Lock, Split
16	121-0199	4	Nut-HH
17	81-3250	2	Spark Plug
18	127-9231	6	Screw-HWH
19	127-9232	4	Screw-HWH
20	120-4303	4	Seat-Spring, Valve
21	120-4304	4	Seal-Stem, Valve
22	120-4305	4	Spring-Valve
23	120-4306	4	Retainer-Spring, Valve
24	120-4307	8	Keeper-Valve
25	127-9233	2	Plate-Guide, Push Rod
26	136-7881	4	Rocker Arm ASM
27	127-9295	2	Gasket-Valve Cover
28	127-9050	2	Cover-Valve
29	120-4225	8	Screw-HHF
30	120-4214	1	Screw-Shoulder, HH
31	136-7892	1	Complete Left Head ASM
32	136-7891	1	Complete Right Head ASM

Blower Housing Assembly

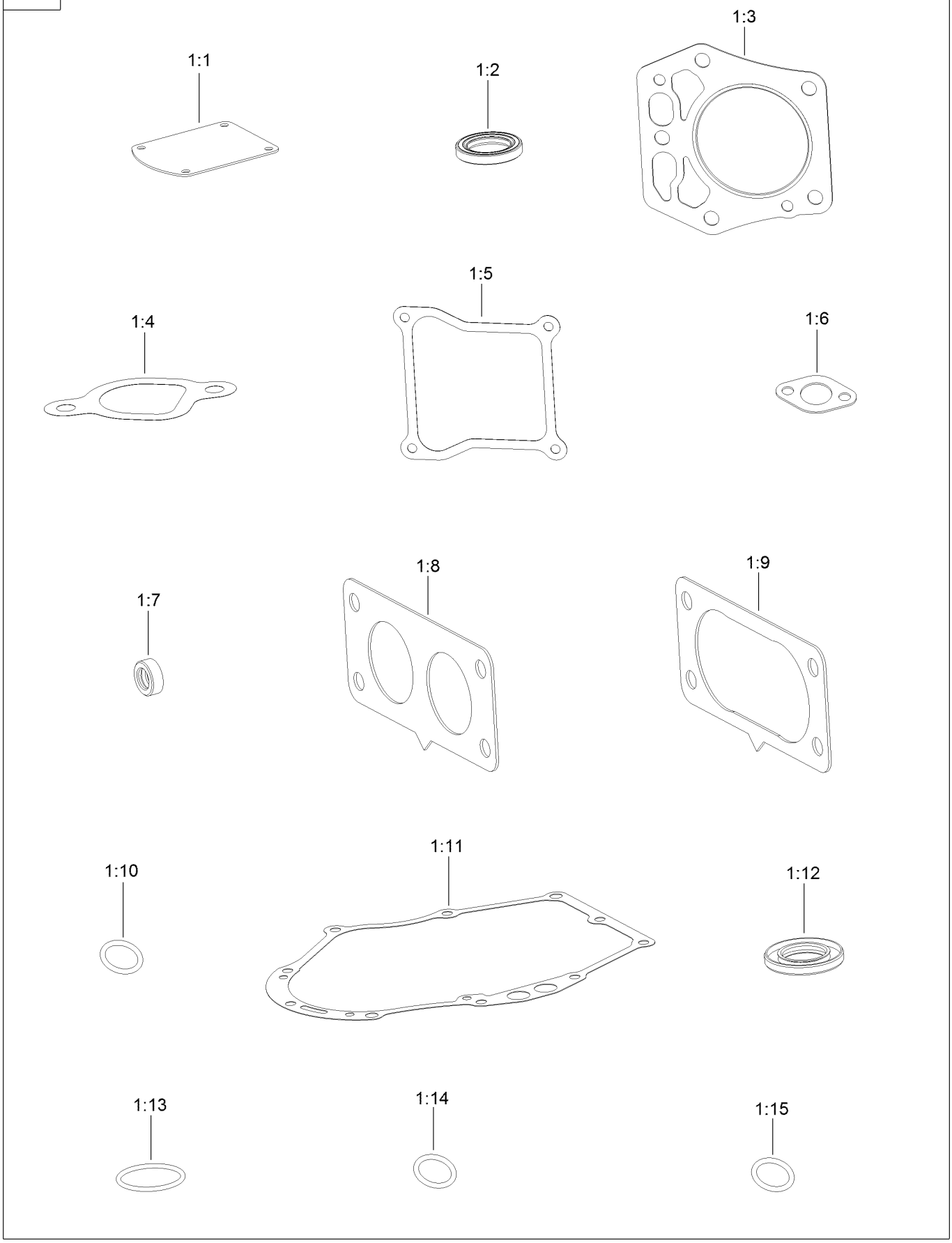


Blower Housing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-1571	4	Screw-PPH, Plastic
2	127-9045	1	Cover-Fan
3	127-9196	6	Screw-Shoulder, HWH
4	133-1572	1	Shroud-Engine
5	136-5585	1	Support-Filter
6	127-9280	2	Pin-Hair
7	127-9282	2	Pin
9	136-7877	1	Baffle-Air, Left
10	120-4210	2	Screw-Shoulder, HHF
11	136-7878	1	Baffle-Air, Right
12	127-9287	1	Cleat-Hose
13	120-4232	2	Screw-HHF

Gasket and Seal Kit

1



Gasket and Seal Kit (continued)

Ref.	Part Number	Qty.	Description
1	127-9296	1	Gasket And Seal Kit
1:1	127-9214	1	Gasket-Breather
1:2	120-4267	1	Seal-Oil
1:3	127-9226	2	Gasket-Head, Cylinder
1:4	127-9230	2	Gasket-Intake
1:5	127-9295	2	Gasket-Valve Cover
1:6	120-4317	2	Gasket-Exhaust
1:7	120-4257	1	Seal-Oil
1:8	127-9246	2	Gasket-Carburetor
1:9	127-9251	1	Gasket-Carburetor
1:10	120-4262	2	O-Ring
1:11	127-9267	1	Gasket-Cover, Crankcase
1:12	127-9271	1	Seal
1:13	127-9273	1	O-Ring
1:14	127-9284	1	O-Ring
1:15	127-9286	1	O-Ring

Attachments and Accessories

For 77281 — 48in Z Master Professional 2000 Series Riding Mower

Product Name	Model/Part
Hypr-Oil 500 (quart)	114-4713
Hypr-Oil 500 (gallon)	114-4714
Hypr-Oil 500-5 (5 gallon)	114-4715
Striper Kit	126-7882
Jack Kit	127-6666
Blade-Rotary, 16.5in (Hi Flow)	133-2137
Blade-Rotary, Atomic 16.5	133-2160
Blade-Rotary, Recycling 16.5in	133-2163
Blade (6 Pack) 16.5in Hi Flow	133-2176
Blade (6 Pack) 16.5in Atomic	133-2182
Spark Arrestor, 1.25 I.D.	137-8098
Tweel-Turf Tire	139-3649
Recycler Kit	139-6650
Semi Pneumatic Wheel and Tire Assembly, 13x6.50-6	140-4896
Wheel And Tire Asm	140-7958
Trimmer Mount	144-2665
Jack Mount Kit	144-2676
Hardtop Sun Canopy	144-3719
Handle Extension Kit	145-3615
13x6.5n6 Caster Tweel Asm	147-6294
Bucket Mount Kit, Z Master 2000 or 4000 Series Riding Mower	147-6345
Universal Mount Kit, Z Master 2000 or 4000 Series Riding Mower	147-6346
Kit-Baffle, Turbo Force 48	147-7360
Arm Rest Kit	147-7397
Electric Deck Lift Kit	147-7867
2in Reciever Hitch Kit	161-2810
Fuel Pickup with Screen Kit	161-6806
Maintenance Kit Toro V-twin W/ HD AC	20295
Bagger Kit, Z Master 2000 / 4000	78439
Z 4000 48in Completion Kit	78464

Notes:

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Count on it.