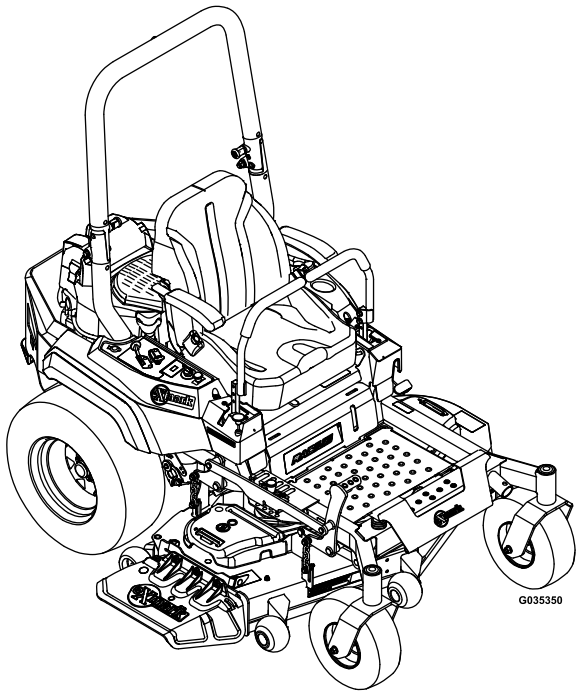
RADIUS® S-SERIES

Model No. RAS708GEM523C3—Serial No. 404314159 and Up

Picture below may not reflect actual product.



Parts Manual

Part No. 4504-189 Rev. A

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.

Touch Up Paint

Exmark black touch up spray paint – gloss black.

Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).

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2101 Ashland Ave
Beatrice, NE 68310

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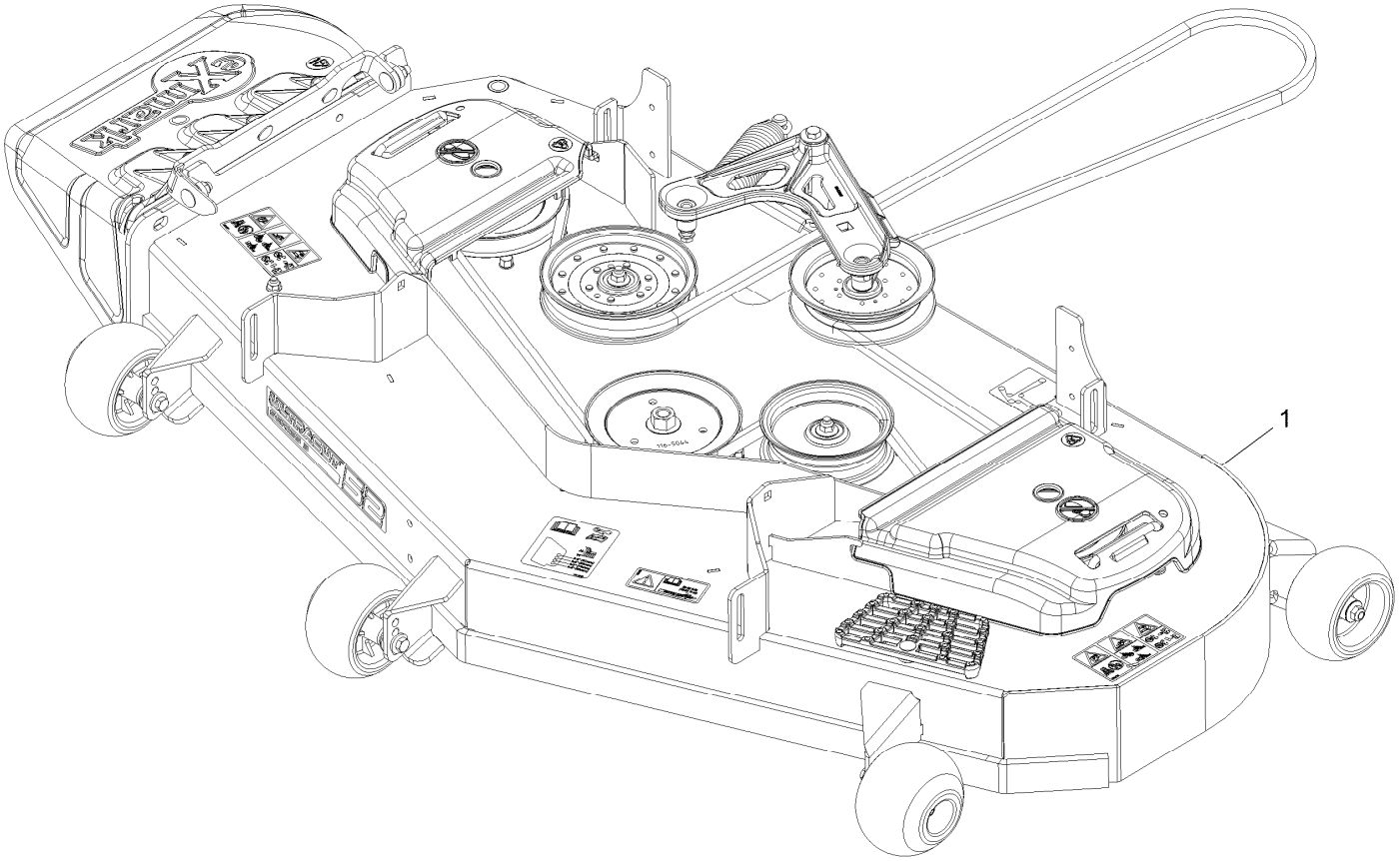


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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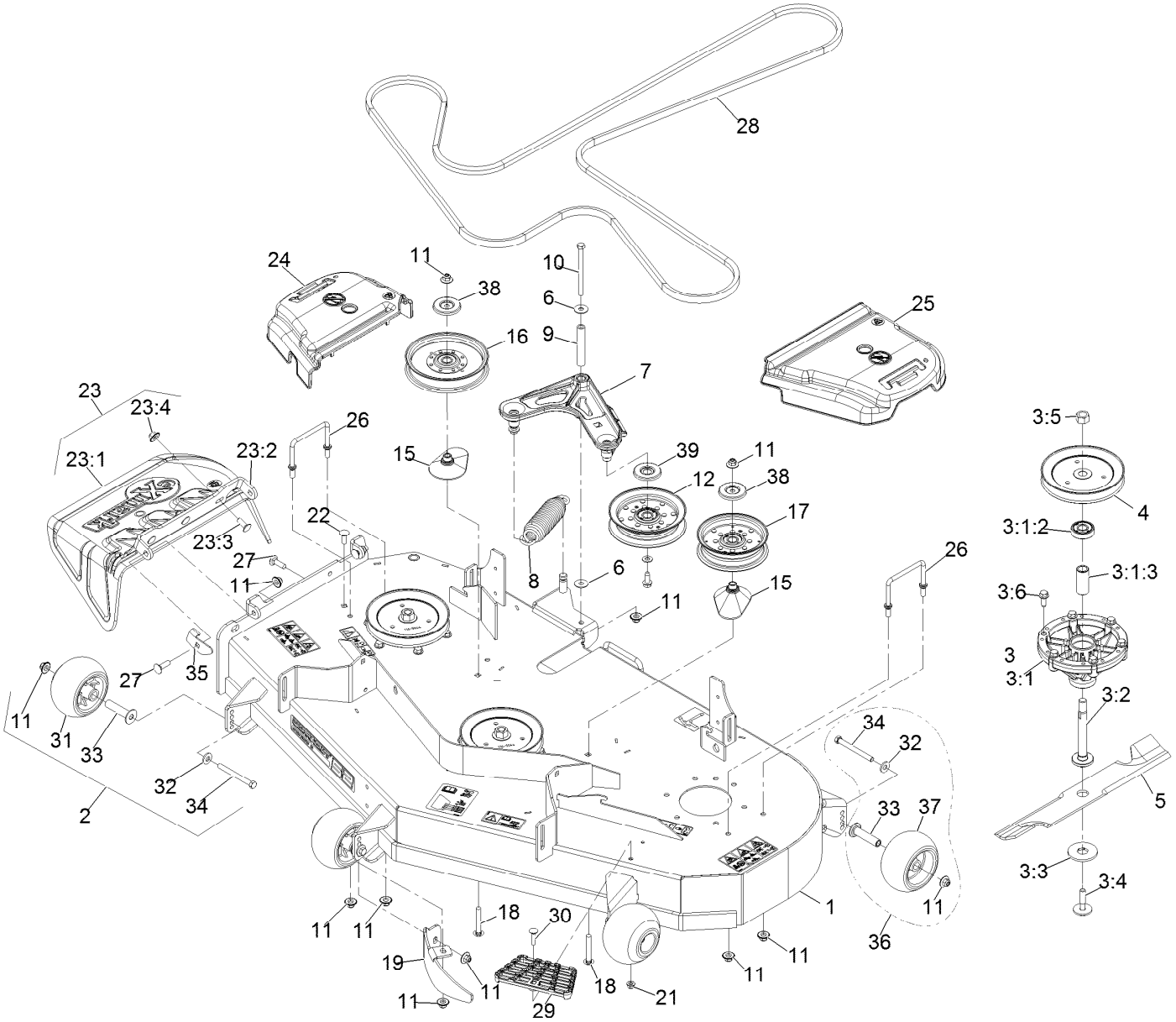
Complete Deck Assembly



Complete Deck Assembly (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	126-8038	1	ASM-Deck Complete 523

Deck Assembly



Deck Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-3578	1	ASM-Deck W/Decals 523
2	116-9981	3	Kit, Anti-Scalp Roller
3	126-4630	3	ASM, Cutter Housing Complete
3:1	126-4627	1	ASM-Cutter Housing
3:1:2	116-4004	2	Bearing
3:1:3	116-4876	1	Spacer-Bearing
3:2	109-7431	1	Spindle-Hex Pilot ❑
3:3	126-4530	1	Washer-Hex Blade Drive
3:4	116-0005	1	Bolt-Blade, Sem ■ ❍
3:5	3219-6	1	Nut-Hex ▲
3:6	126-1696	6	Screw-Forming, Thread
4	116-5044	3	Sheave,Blade Drive 6.50
5	103-6382	3	Blade, Solid ●
5	103-6387	3	Blade, Low Lift ●
5	103-6392	3	Blade, Mulching ◆
5	103-6402	3	Blade-Notched
5	116-5175	3	Blade-Extreme 2, 18.00" ●
6	52-2860	2	Washer
7	126-0976	1	Idler Arm ASM
8	116-6317	1	Spring-Extension
9	116-5111	1	Bushing
10	323-38	1	Screw-HH
11	109-6658	16	Nut-Flange, NI
12	126-9196	1	Idler-Pulley, Flat
15	109-2872	2	Spacer-Pulley
16	126-9189	1	Idler-Pulley, Flat 6.00X1.00
17	126-9197	1	Idler-Pulley, Flat 5.00X1.31
18	3231-44	2	Screw-CARR
19	116-5835-01	1	Baffle-Dogleg, Lze-Pns-52
21	104-8300	1	Nut-HF, NI
22	3231-22	1	Screw-CARR
23	109-7188	1	ASM,Discharge Chute
23:1	109-2738	1	Chute, Discharge
23:2	109-8675-01	1	Bracket,Discharge Chute
23:3	3231-22	3	Screw-CARR
23:4	109-6658	3	Nut-Flange, NI
24	109-6935	1	Cover-Belt, RH
25	109-6936	1	Cover-Belt, LH
26	109-6982	2	Wireform-Cover
27	3231-25	3	Bolt-CARR
28	126-7443	1	Belt-V
29	126-4781-03	1	Step-Deck
30	3230-3	1	Screw-CARR
31	103-8415	3	Roller-Anti-Scalp
32	98-5975	5	Washer-Belleville
33	116-8131	5	Axle, Roller
34	116-9362	5	Screw-HH
35	135-0064	1	Stop-Discharge Chute
36	126-7840	2	Kit-Antiscalp Roller
37	1-603299	2	Roller-Scalp, Anti
38	126-8043	2	Shield-Dust
39	126-9195	1	Shield-Guard, Dust

● Optional Equipment

■ Torque to 50-60 ft-lb

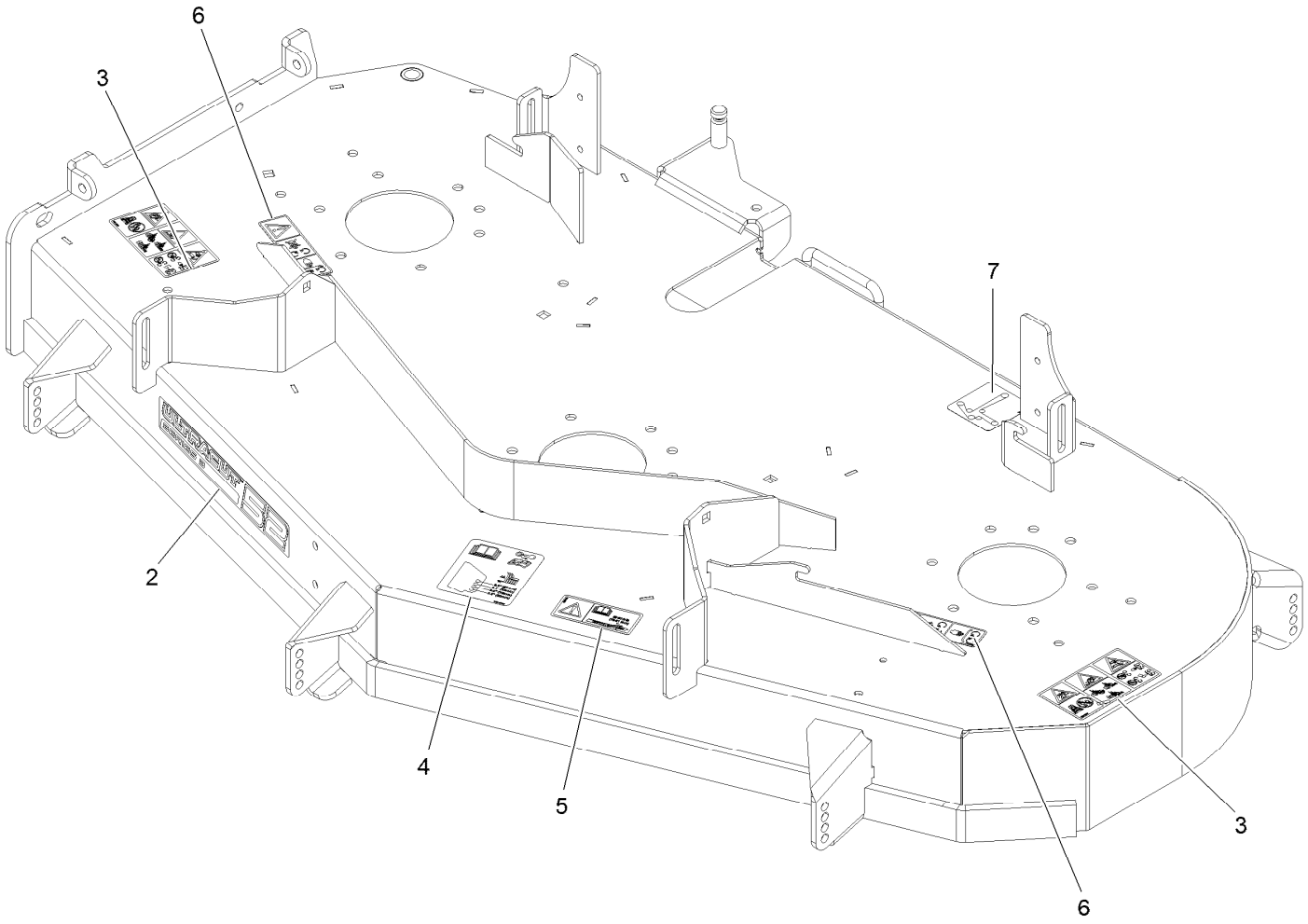
▲ Torque to 75-85 ft-lb

◆ Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.

❑ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize) to spindle shaft

❍ Apply lubricant to threads as needed to prevent seizing. Copper based anti-seize preferable. Grease is an acceptable substitute.

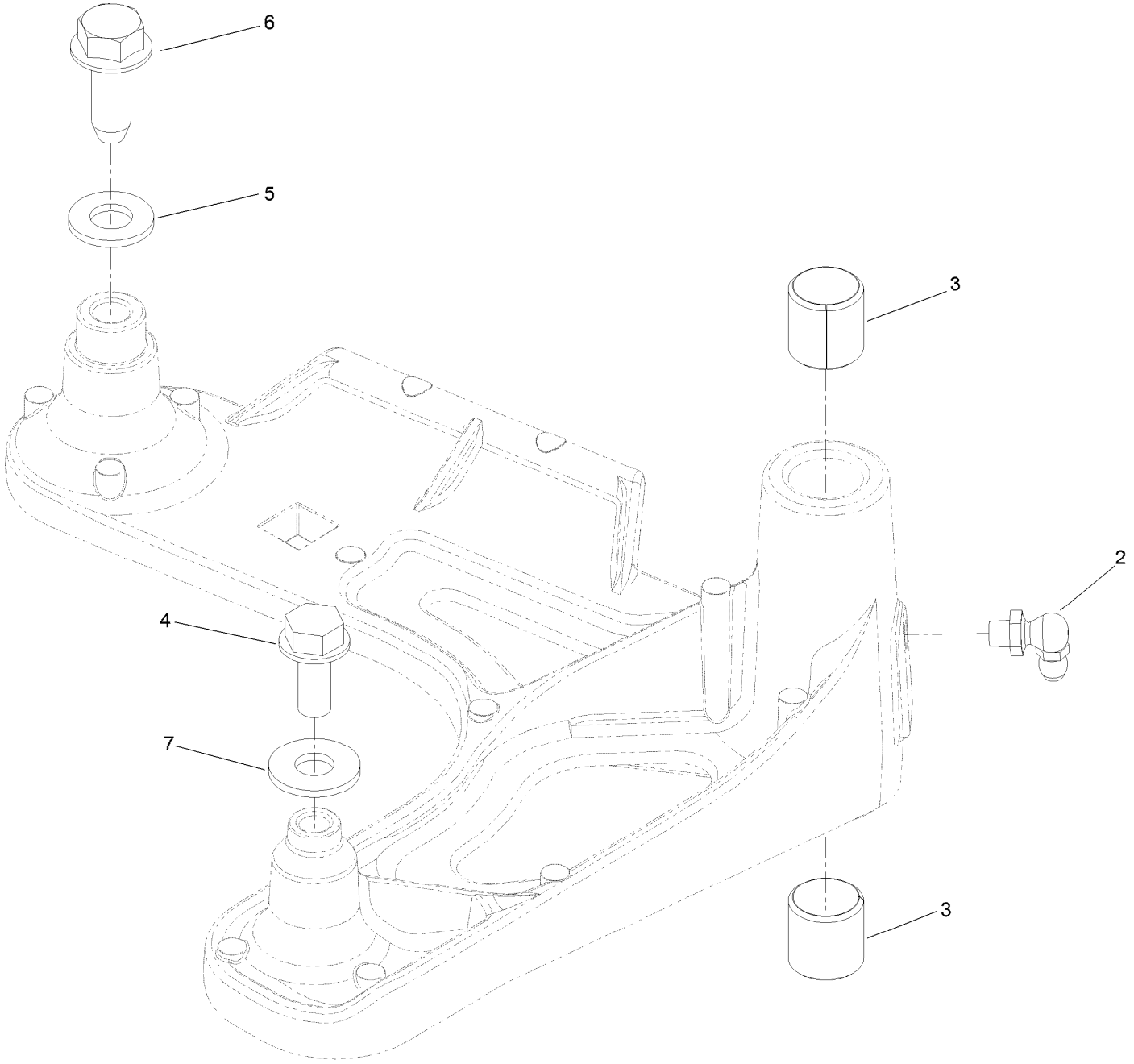
Deck W/Decals Assembly No. 126-3578



Deck W/Decals Assembly No. 126-3578 (continued)

Ref.	Part Number	Qty.	Description
2	126-6747	1	Decal-Ultracut 52 Series 3
3	126-6464	2	Decal-Danger Thrown Objects
4	109-6036	1	Decal-Roller, Anti-Scalp
5	116-8283	1	Decal-Bolt Torque
6	112-9028	2	Decal-Cover, Missing
7	109-6035	1	Decal-Routing, Belt

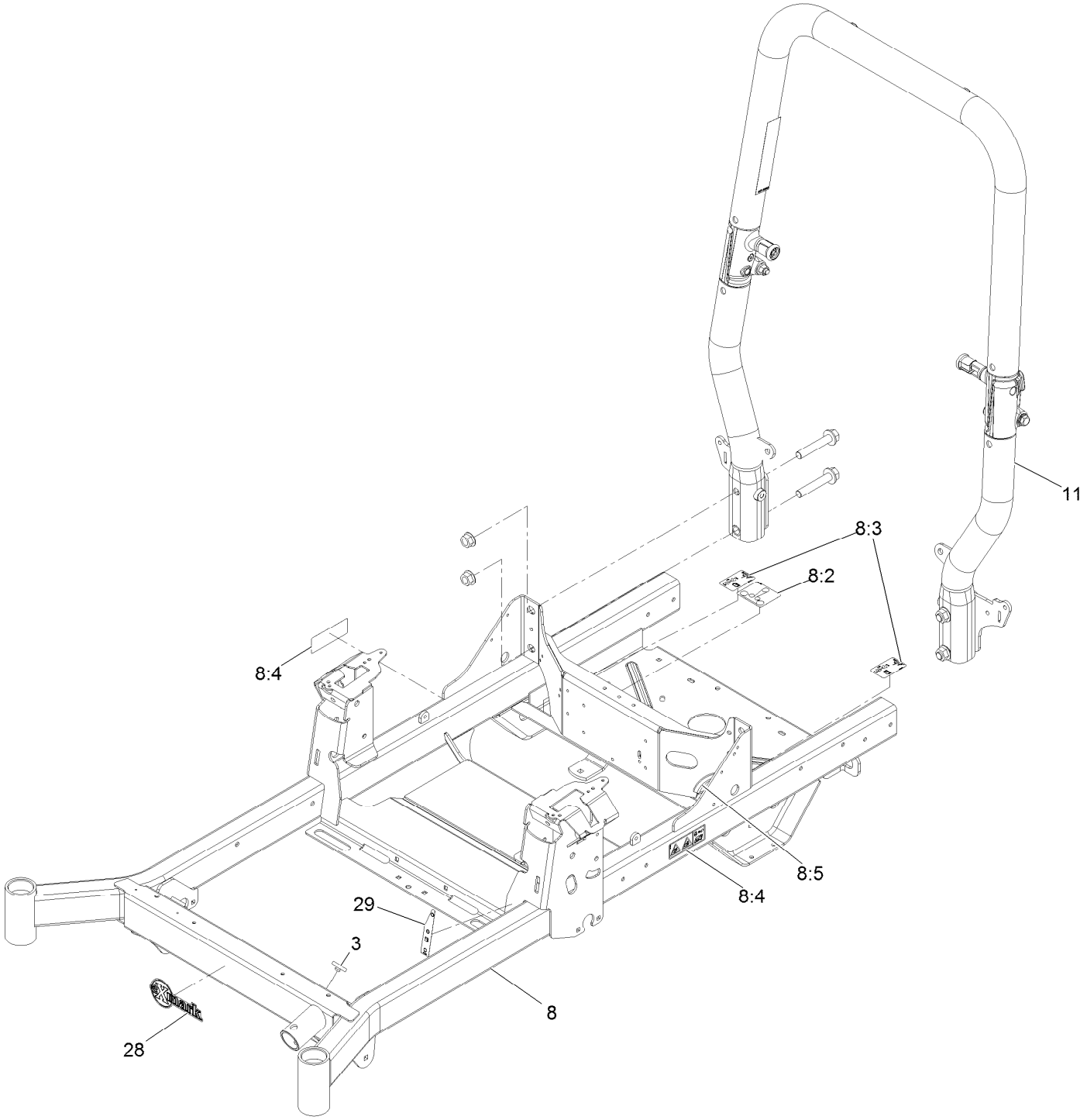
Idler Arm Assembly No. 126-0976



Idler Arm Assembly No. 126-0976 (continued)

Ref.	Part Number	Qty.	Description
2	302-40	1	Fitting-Grease, 90 DEG
3	1-513034	2	Sleeve-Bearing
4	32144-11	1	Screw-HWHTF
5	3256-24	1	Washer-Flat
6	126-1696	1	Screw-Forming, Thread
7	3256-3	1	Washer-Flat

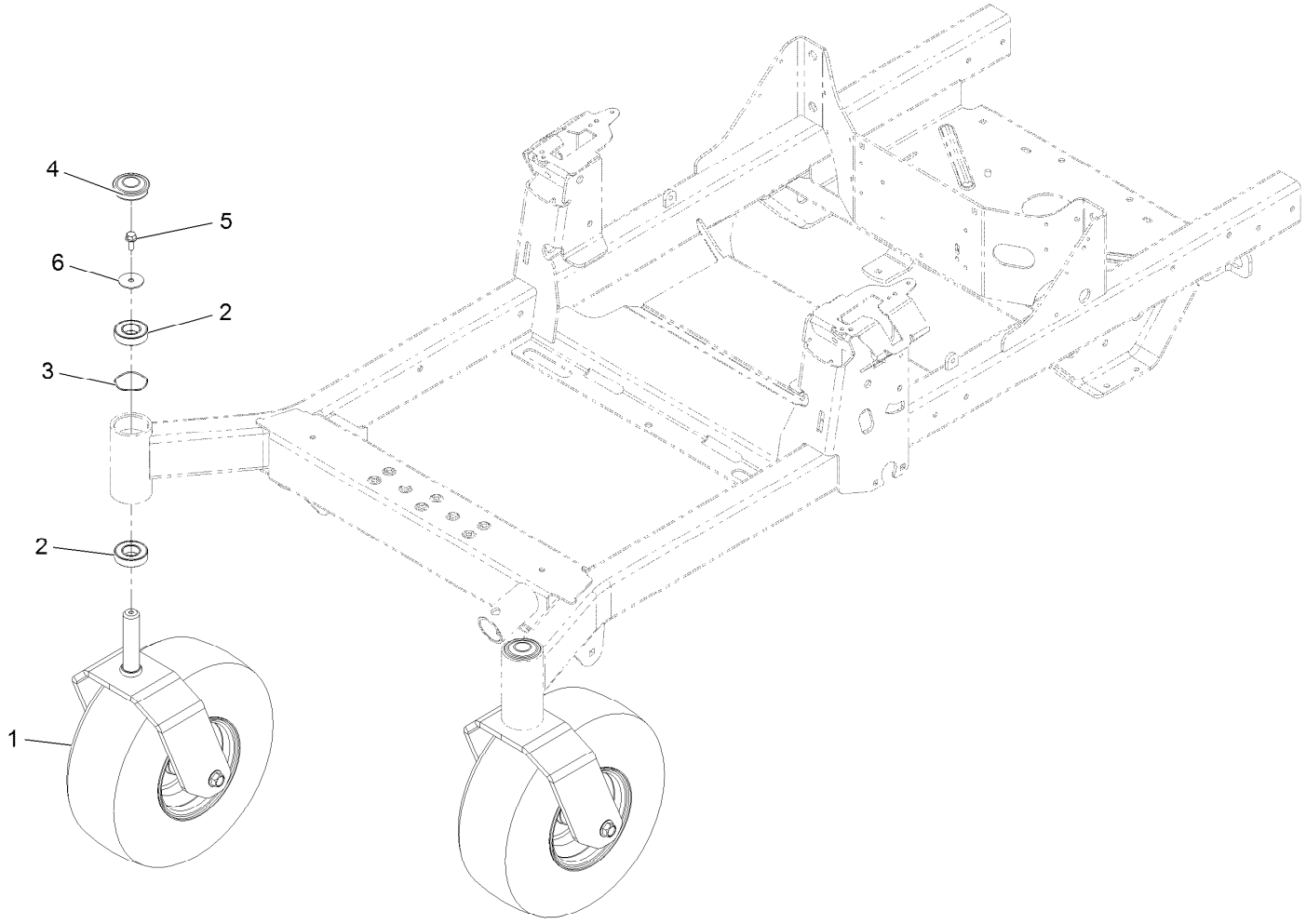
Main Frame Assembly



Main Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
3	109-9233	2	Bumper-Push-In, Rubber
8	136-8983	1	Suspension Frame ASM
8:2	109-6014	1	Decal-Routing, Belt
8:3	116-8588	2	Decal-Release, Drive
8:4	126-4363	2	Decal-Warning
8:5	127-6618	1	Strip-Seal
11	136-8985	1	ASM-ROPS Tapered
28	126-6575	1	Decal-Exmark Logo
29	136-8992	1	Decal-Fill, Fuel

Caster Tire Assembly

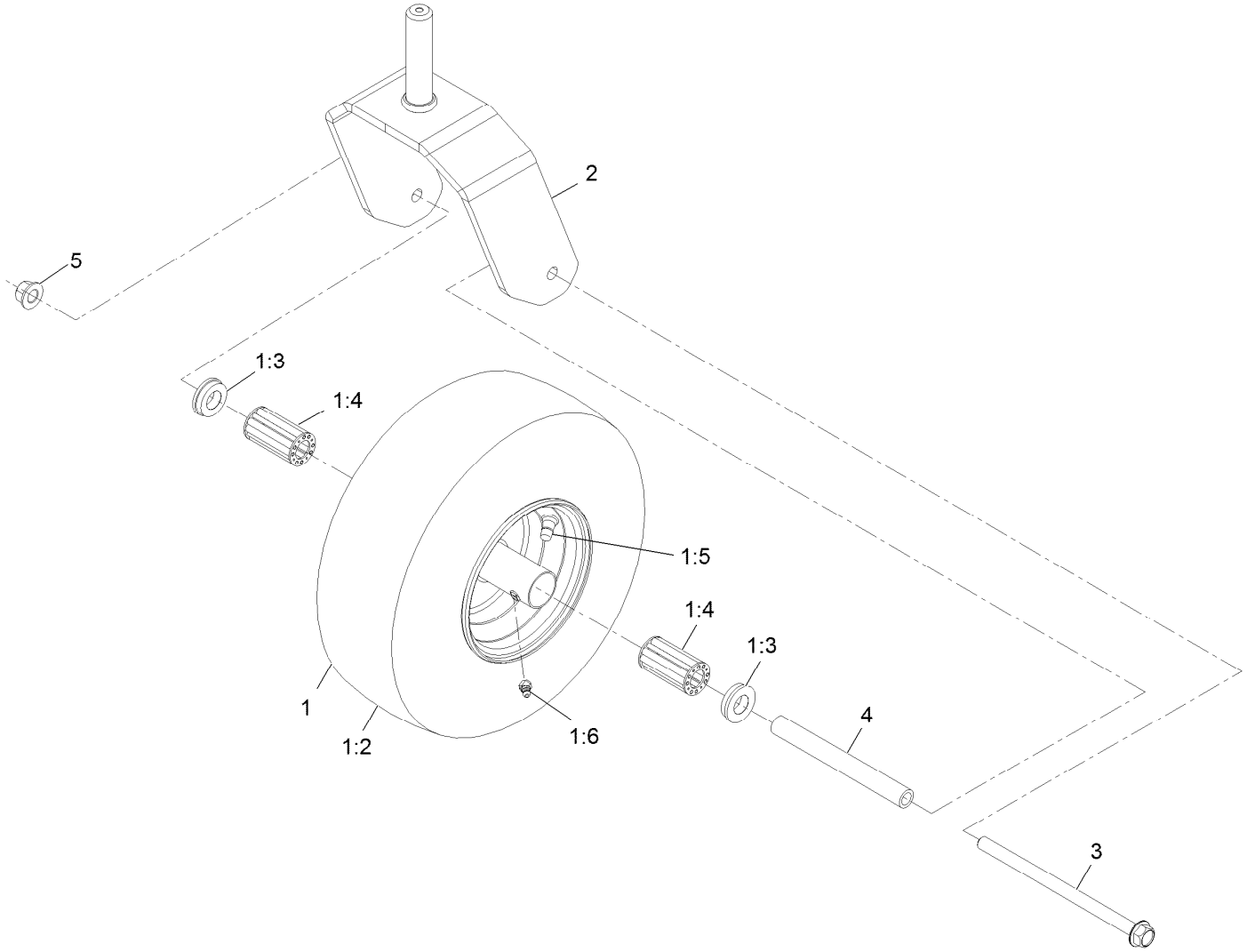


Caster Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
1		2	ASM-Front Caster W/Fork ●
2	109-3678	4	Bearing-Ball
3	126-5897	2	Spring
4	116-4348	2	Cap-Grease
5	3234-5	2	Screw-HH Flg 5/16-18 X 3/4
6	3256-68	2	Washer-Flat

● Not serviced separately

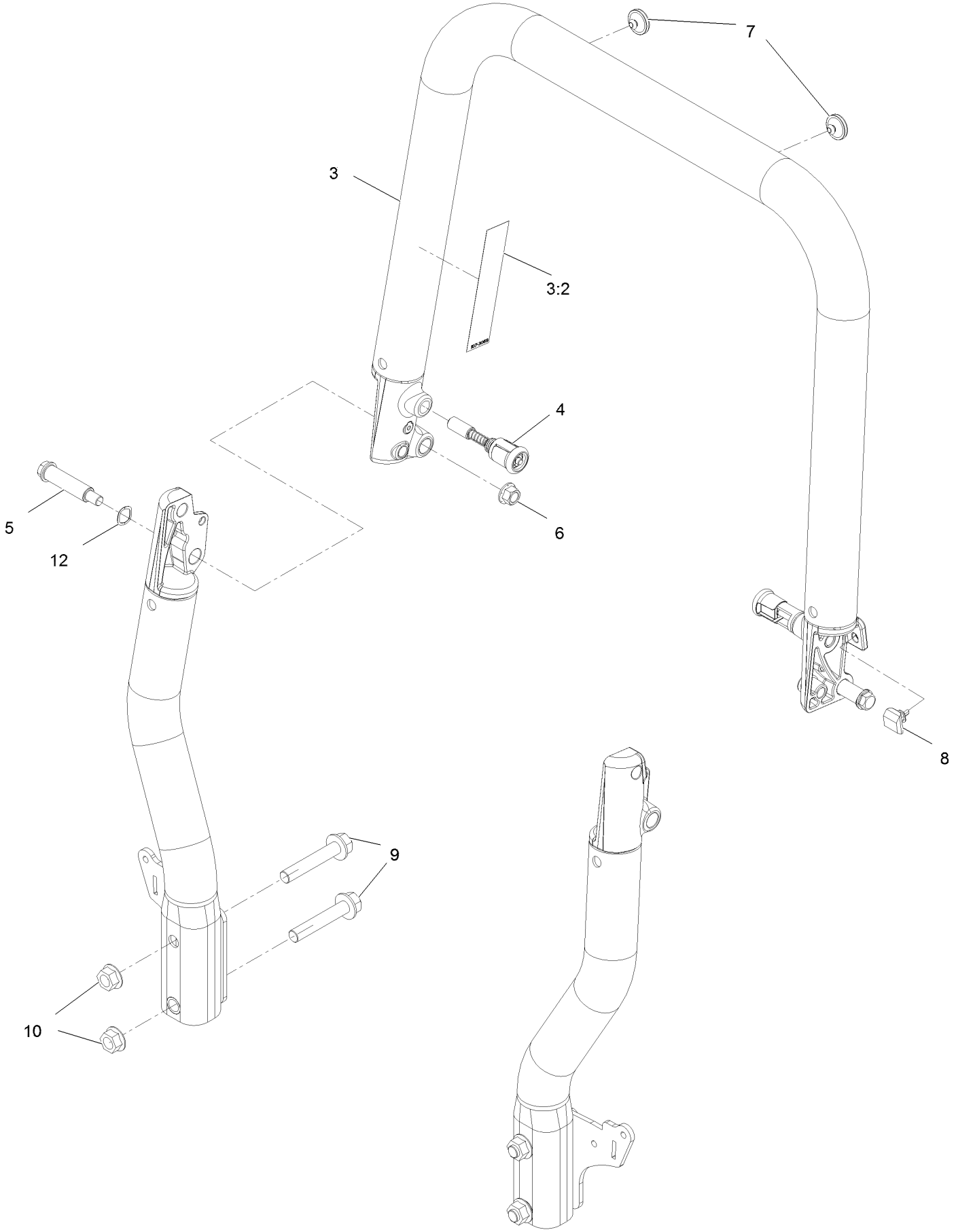
Caster Wheel Assembly



Caster Wheel Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-3289	1	ASM-Wheel And Tire 13X6.50-6
1:2	126-5959	1	Tire
1:3	130-0705	2	Bushing-Flange
1:4	135-4489	2	Bearing-Roller, Wheel
1:5	5108	1	Valve
1:6	120-7125	1	Fitting-Zerk
2	126-4312-01	1	Fork-Caster
3	126-5389	1	Screw-HHF
4	127-0068	1	Spanner-Wheel, Caster
5	99-5107	1	Nut-Lock 1/2-13

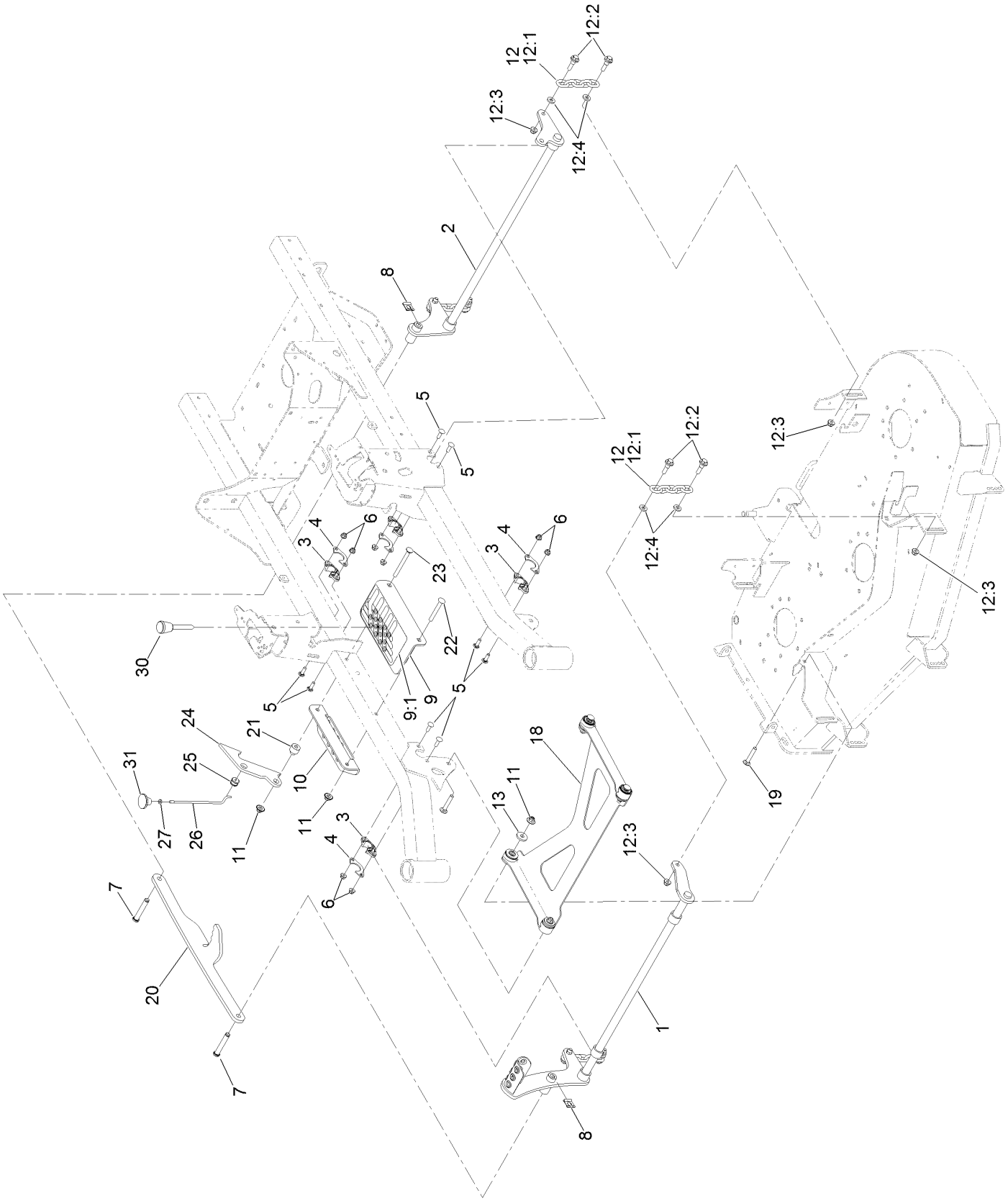
Roll-Over Protection System Assembly



Roll-Over Protection System Assembly (continued)

Ref.	Part Number	Qty.	Description
3	126-7838	1	Top Tube ASM
3:2	107-3069	1	Decal-Warning
4	116-0104	2	Pin-Spring
5	126-9209	2	Bolt-Shoulder
6	99-5107	2	Nut-Lock
7	135-0504	2	Bumper-ROPS
8	126-9966	2	Bumper-ROPS
9	126-9488	4	Screw-HHF
10	32128-50	4	Nut-Flange
12	119-4164	2	Washer-Wave

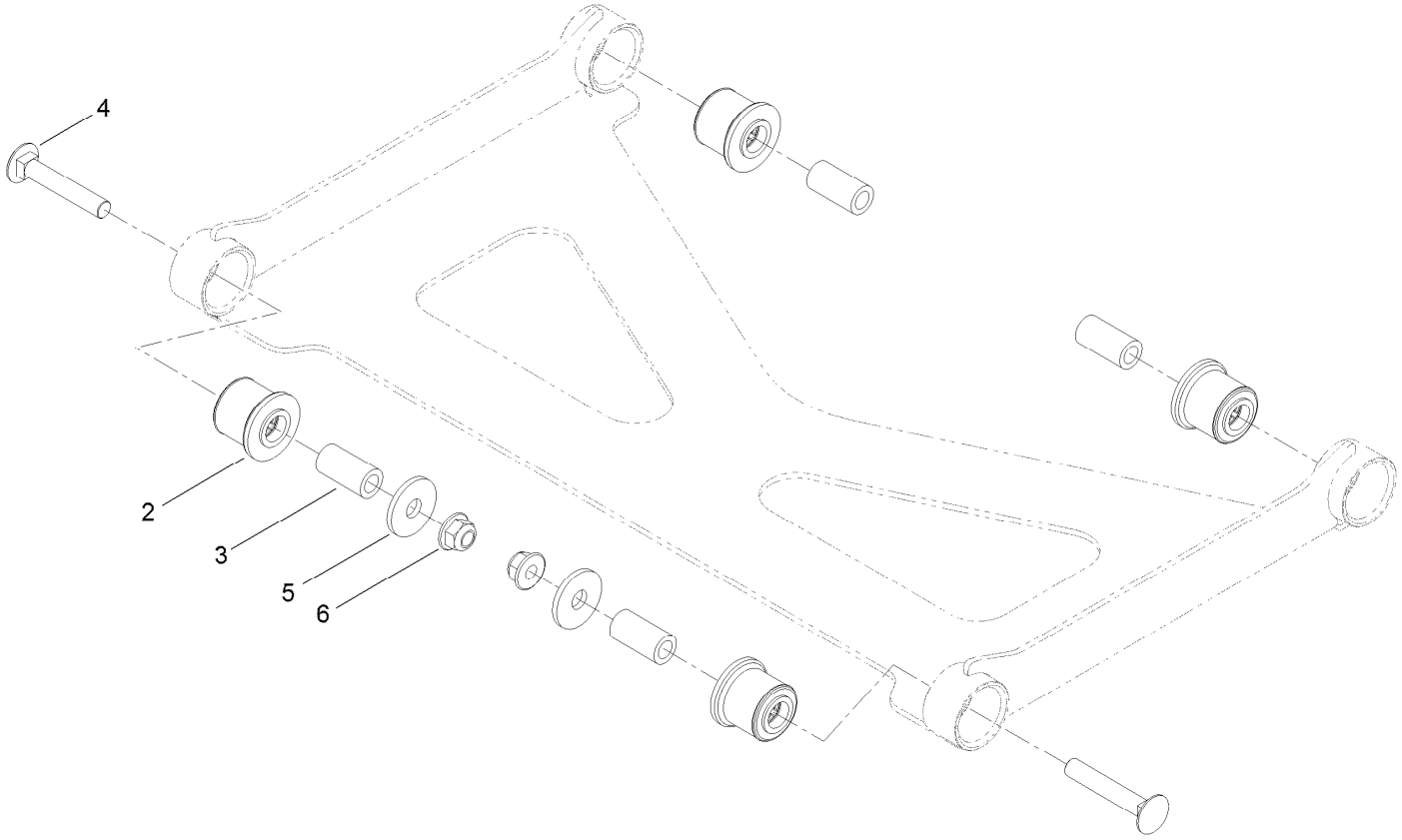
Deck Lift Assembly



Deck Lift Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-3342-03	1	Shaft-Lift, Deck
2	126-3343-03	1	Shaft-Lift, Deck (Rear)
3	115-5065	4	Bushing-Flange
4	116-2887	4	Gusset-Lift, Deck
5	3230-22	8	Bolt-Carriage 5/16-18 X 1 Sp
6	104-8300	8	Nut-Nyloc 5/16-18 Flg
7	126-9181	2	Pin-Clevis
8	138-8491	2	Clip-Pin
9	126-4535	1	Bracket ASM
9:1	126-4784	1	Decal-HOC
10	126-4640-03	1	Angle-HOC, Lower
11	109-6658	4	Nut-Nyloc 3/8-16 Flg
12	126-8877	4	Deck Chain ASM
12:1	1-633447	1	Chain-Lift, Deck
12:2	130-0742	2	Bolt-Shoulder
12:3	104-8301	2	Nut-Nyloc 3/8-16 Flg
12:4	43-0940	2	Spacer
13	1-373034	2	Washer
18	126-8365	1	Deck Strut ASM
19	3231-7	2	Bolt-Carriage 3/8-16 X 2 1/4
20	126-4639-03	1	Link-Lift
21	126-5221	1	Spacer-Stepped
22	3231-42	1	Bolt-Carriage 3/8-16 X 3
23	135-0313	1	Screw-CARR
24	126-5222	1	Plate-Lock, Transport
25	126-5593	1	Grommet
26	126-5223	1	Rod-Lock, Transport
27	3218-1	1	Nut-Jam 1/4-20
30	126-5401	1	Pin-HOC
31	126-7019	1	Knob

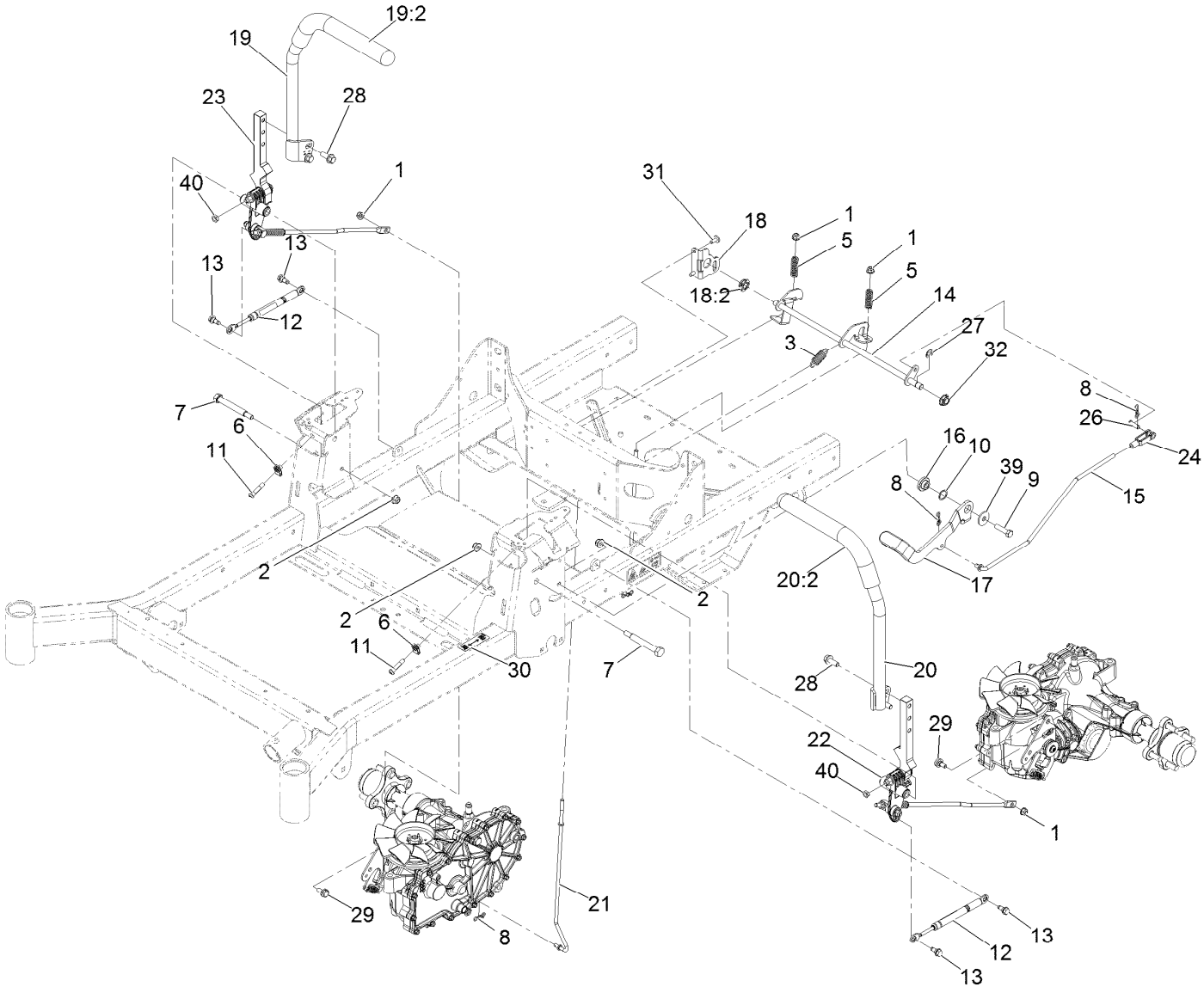
Deck Strut Assembly



Deck Strut Assembly (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

Motion Control Assembly

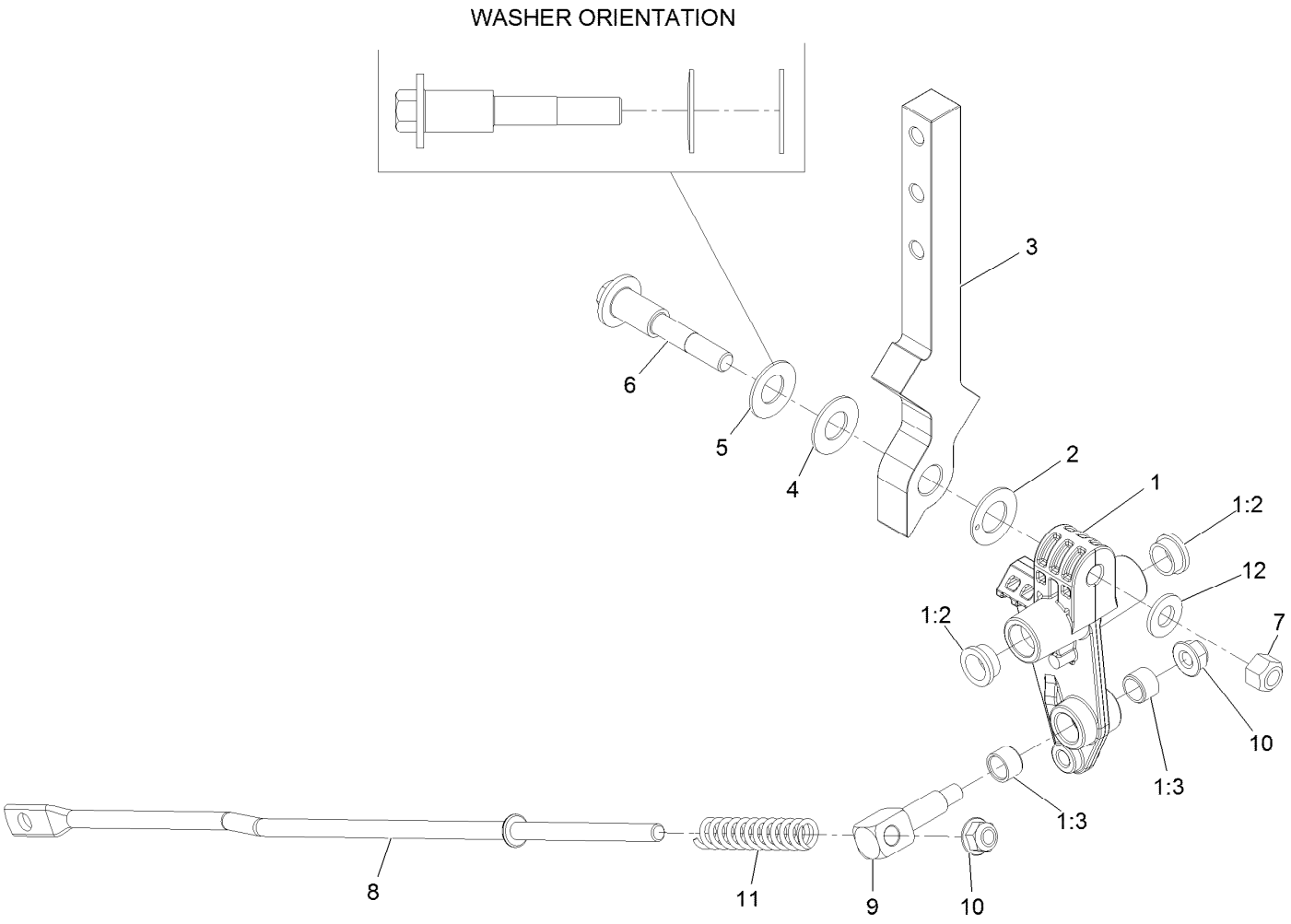


Motion Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	104-8300	4	Nut-Nyloc 5/16-18 Flg
2	104-8301	3	Nut-Nyloc 3/8-16 Flg
3	107-1045	1	Spring-Extension
5	109-7694	2	Spring-Compression
6	112-3306	2	Nut
7	115-5099	2	Bolt-Pivot
8	119-1415	4	Pin-Cotter, Locking
9	323-8	1	Screw-HH 3/8-16 X 1 1/2
10	119-4164	1	Washer-Wave
11	126-4299	2	Screw-HSBH
12	126-4322	2	Damper
13	126-4424	4	Screw-Shoulder
14	126-5813	1	Shaft-Brake
15	126-5819	1	Linkage-Brake, Upper
16	126-5989	1	Pivot-Flange
17	126-9490	1	Lever-Brake (With Grip)
18	126-6456	1	Bracket-Brake
18:2	126-5820	1	Bearing-Spherical
19	138-6015	1	RH Extended Control Handle ASM
19:2	126-7359	1	Grip
20	138-6017	1	LH Extended Control Handle ASM
20:2	126-7359	1	Grip
21	126-7217	2	Linkage-Brake, Lower
22		1	LH Motion Control ASM ●
23		1	RH Motion Control ASM ●
24	1-303105	1	Yoke-Adjustable
26	1-808280	1	Pin-Clevis 5/16 X 1 49/64
27	32120-47	1	Ring-Retaining
28	3234-42	4	Screw HHF 3/8-16 X 1
29	37-8771	2	Screw-Shoulder 5/16-18 X 5/8
30	115-9625	1	Decal-Brake, Parking
31	126-6266	2	Screw-1/4-20 X .65 Torx Plus
32	126-5820	1	Bearing-Spherical
39	2844	1	Washer
40	3218-3	2	Nut-Jam 3/8-16

● Not serviced separately

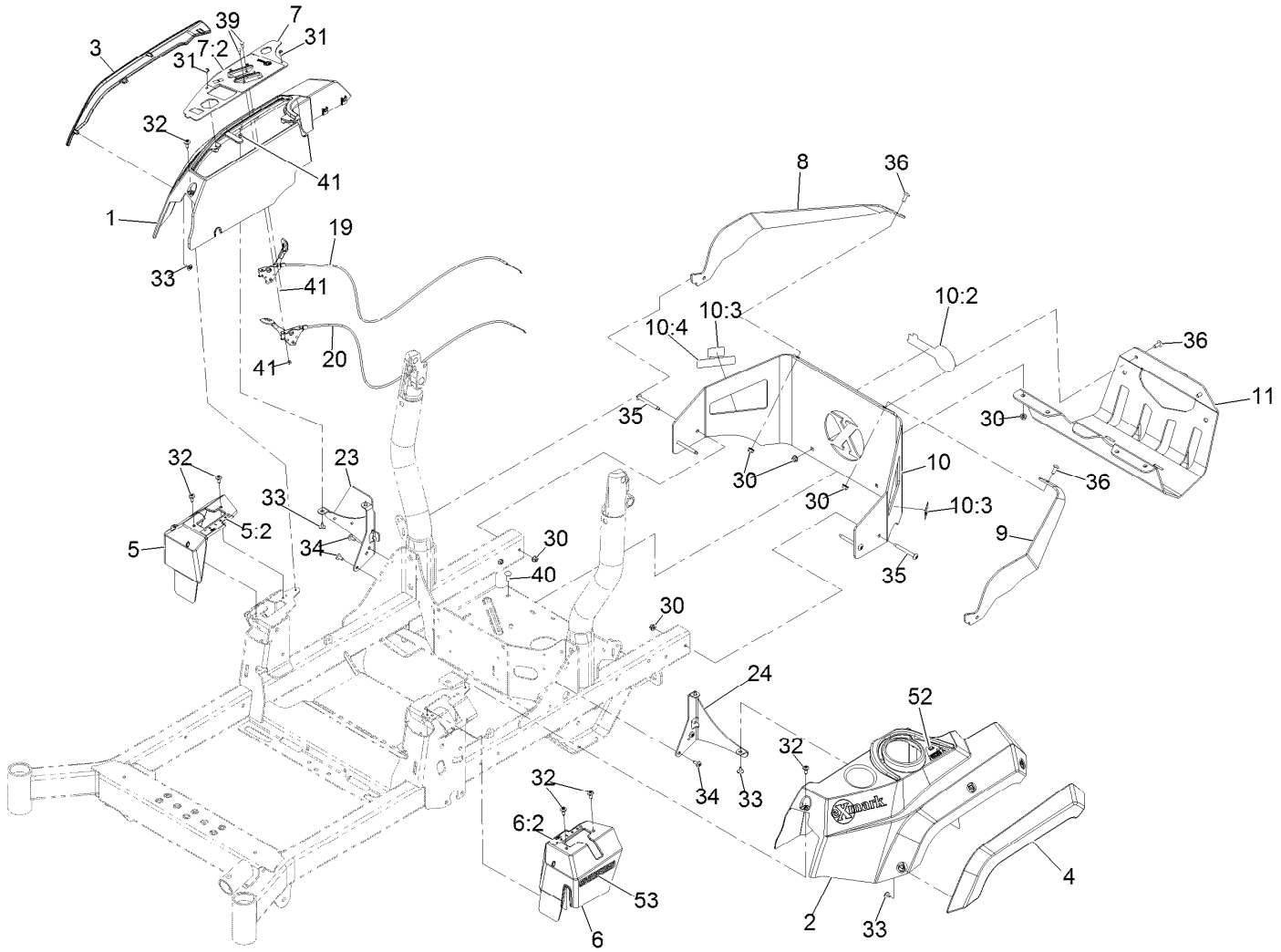
LH and RH Motion Control Assembly



LH and RH Motion Control Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-3773	1	Control Arm ASM
1:2	126-8909	2	Bushing
1:3	1-413152	2	Bushing-Sleeve
2	126-7296	1	Washer-Friction
3	126-8182	1	Arm-Control
4	117-1240	1	Washer
5	119-8925	1	Washer-Belleville
6	117-1198	1	Bolt-Pivot
7	32152-2	1	Nut-Hex 3/8-16 Lock
8	126-5435	1	Link-Control
9	126-5434	1	Swivel
10	104-8300	2	Nut-Nyloc 5/16-18 Flg
11	126-8195	1	Spring-Return, Neutral
12	3256-24	1	Washer-3/8 SAE

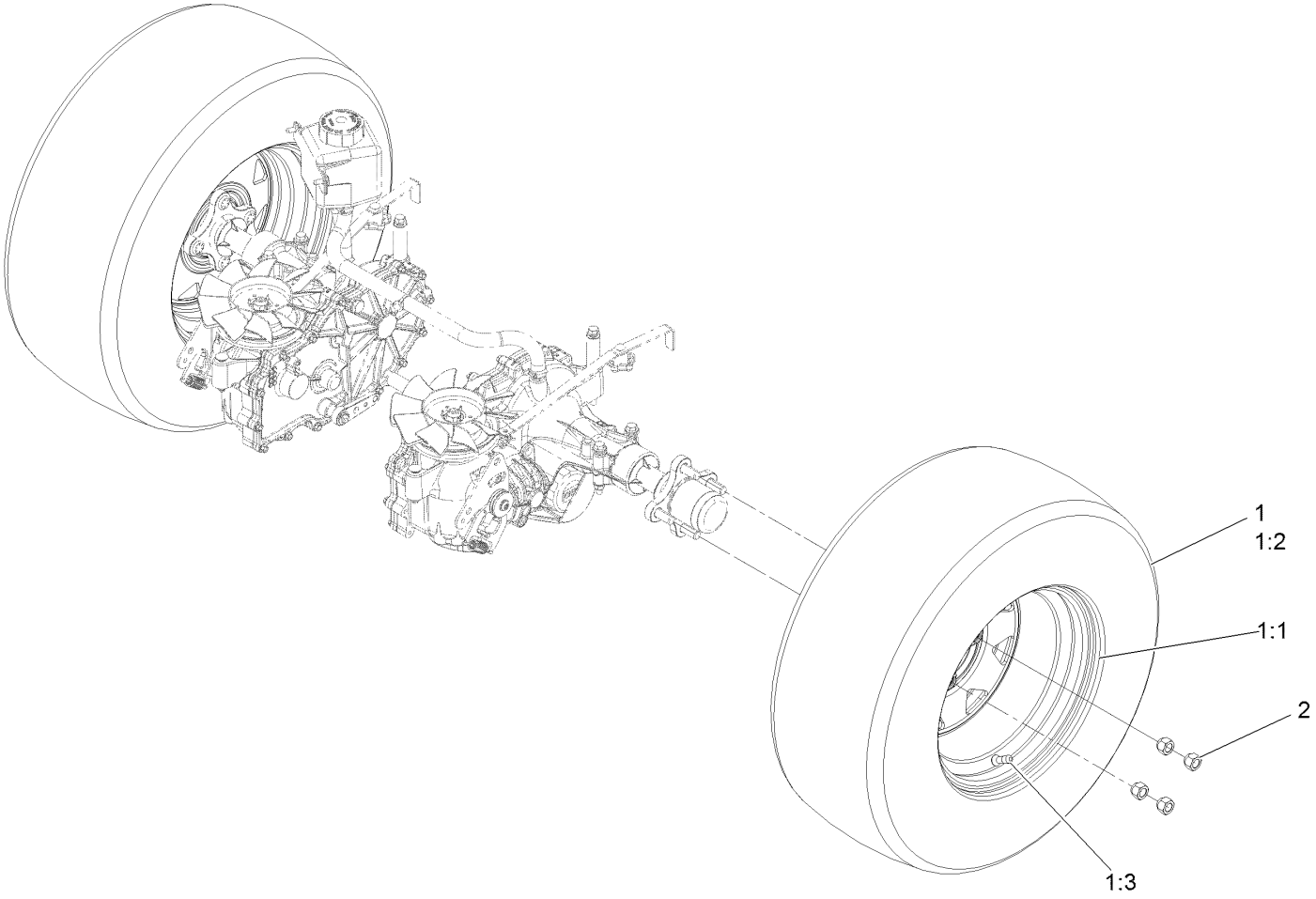
Controls Assembly



Controls Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-4959	1	Console-Exmark, RH
2	126-4960	1	Console, LH
3	126-4741	1	Fender-RH
4	126-4742	1	Fender-LH
5	126-7371	1	Cover-Control, Motion (RH)
5:2	126-6183	1	Decal-Control, Motion (RH)
6	126-7372	1	Cover-Control, Motion (LH)
6:2	126-6194	1	Decal-Control, Motion (LH)
7	126-7789	1	Ctrl Panel ASM W/Decal
7:2	126-6570	1	Decal-Control Panel
8	126-6015-03	1	Support-Upper, RH
9	126-6016-03	1	Support-Upper, LH
10	126-7802	1	Rear Guard ASM
10:2	126-6965	1	Decal-Exmark Logo
10:3	106-5517	2	Decal-Warning
10:4	133-8062	1	Decal-Arrestor, Spark
11	126-7664-03	1	Guard-Muffler
19	126-6945	1	Cable-Control, Choke
20	126-6944	1	Cable-Control, Throttle
23	126-9945	1	Support-Console, RH
24	126-5532-03	1	Bracket-Console, LH
30	104-8300	10	Nut-Nyloc 5/16-18 Flg
31	117-5036	2	Screw-HWH #10-14 X 1/2
32	120-7950	6	Screw-1/4-20 X 1/2 Tf Torx Plus
33	126-5544	10	Screw-HWH #10-14 X 1/2 Torx
34	126-6266	4	Screw-1/4-20 X .65 Torx Plus
35	126-6267	4	Screw-Truss HD 5/16-18 X 2 3/4 Torx Plus
36	126-6268	4	Screw-Truss HD 5/16-18 X 3/4 Torx Plus
39	1-807513	4	Bolt-Carriage #10-24 X 1/2
40	3230-22	2	Bolt-Carriage 5/16-18 X 1 Sp
41	3296-2	4	Nut-Nyloc #10-24
52	126-9939	1	Decal-Fill, Fuel
53	126-9296	2	Decal-S-Series

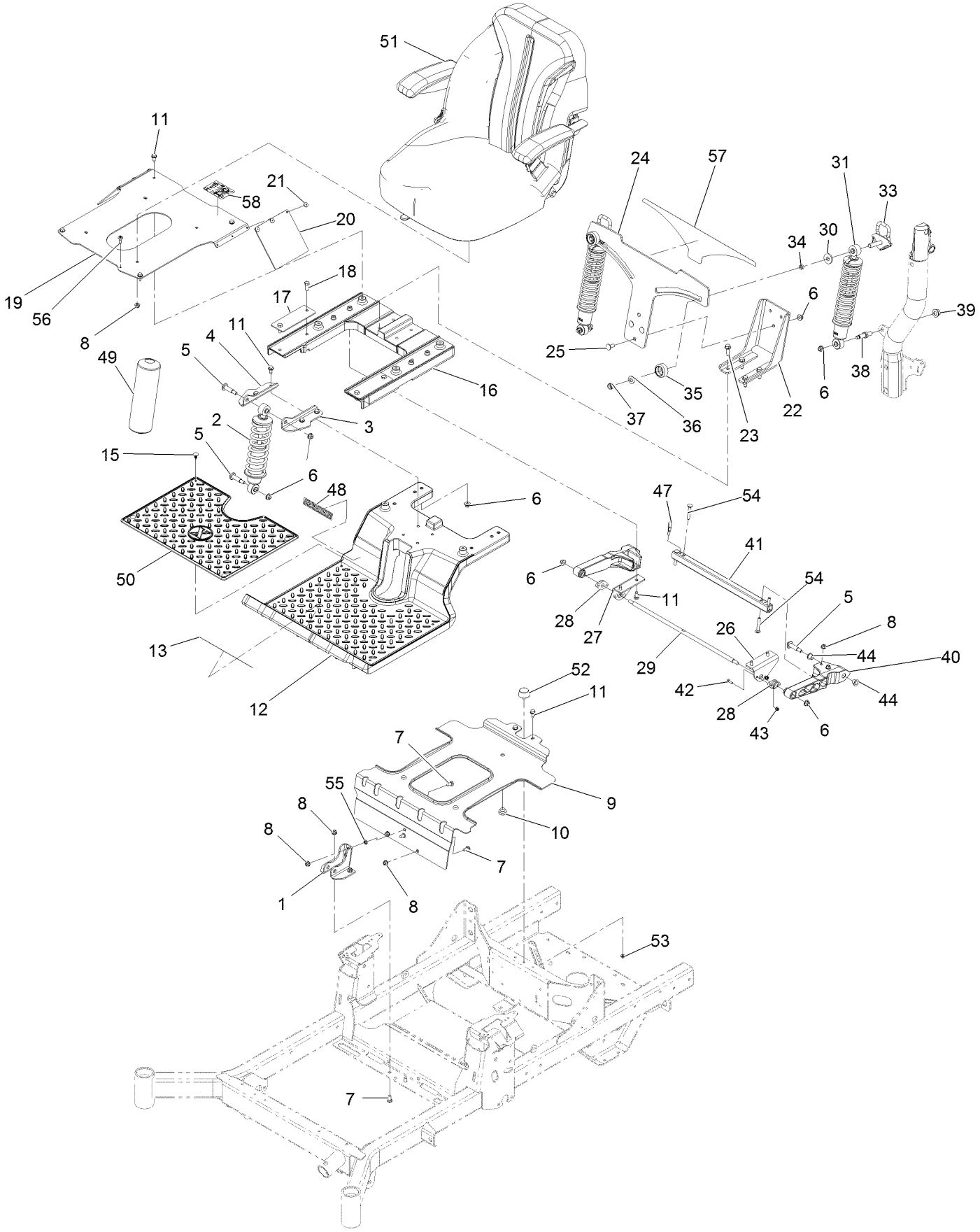
Rear Tire Assembly



Rear Tire Assembly (continued)

Ref.	Part Number	Qty.	Description
1	126-7823	2	Wheel And Tire ASM
1:1	116-6320	1	Wheel
1:2	126-3288	1	Tire
1:3	232-27	1	Stem-Valve
2	242-50	8	Nut-Lug 1/2-20

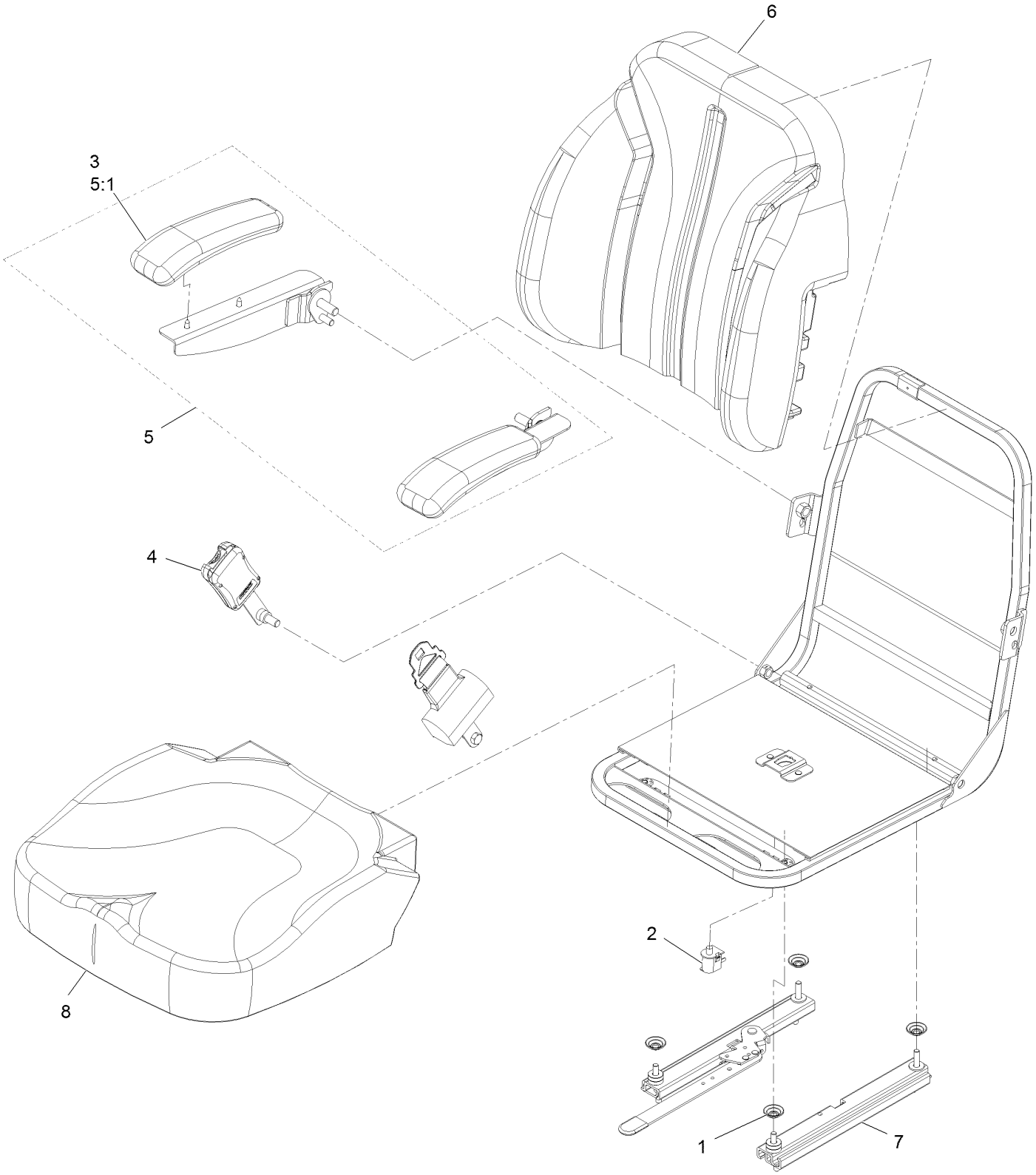
Suspension Assembly



Suspension Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-1864-03	1	Bracket-Shock, Front Lower
2	136-8971	1	Shock/Spring
3	133-9318-03	1	Bracket-Shock Mount, Upper (LH)
4	133-9319-03	1	Bracket-Shock Mount, Upper (RH)
5	136-9028	4	Bolt-Shoulder, HWH
6	104-8301	13	Nut-Nyloc 3/8-16 Flg
7	3230-23	6	Bolt-Carriage 5/16-18 X 3/4 Short Neck
8	104-8300	14	Nut-Nyloc 5/16-18 Flg
9	136-8963-03	1	Bracket-Tank
10	135-0505	3	Bumper-Seat
11	32144-70	14	Screw-HWH 5/16-18 X 3/4 Tf
12	133-7083-01	1	Subframe-Front
13	132-0871	1	Decal-Danger
15	117-2382	4	Plug-Plastic
16	137-7031-01	1	Subframe-Rear
17	133-7089-03	2	Plate-Backer
18	323-6	4	Screw-HH 3/8-16 X 1
19	136-8962-03	1	Plate-Seat
20	136-8967	2	Flap-Rubber
21	132-5064	6	Rivet-Pop
22	136-8955-03	1	Bracket-Mount, Lower
23	32144-109	4	Screw-HWH 3/8-16 X 1 1/4 Taptite
24	136-1744-03	1	Plate-Mounting, Adj Shock
25	3231-22	3	Bolt-Carriage 3/8-16 X 1
26	136-1741-03	1	Bracket-Arm, Trailing (LH)
27	136-1742-03	1	Bracket-Arm, Trailing (RH)
28	127-0146	2	Bearing-Flange
29	136-1739	1	Rod-Pivot
30	131-4699	2	Washer-Plastic
31	133-5154	2	Shock/Spring ASM
33	136-5634	2	Cam Lock ASM
34	133-5109	2	Bearing-Sleeve
35	136-5636	2	Knob-Lock, Cam
36	3-6803	2	Washer-Adjusting
37	3296-45	2	Nut-Nyloc 1/2-13 Thin
38	133-4401	2	Bolt-Shoulder
39	99-5107	2	Nut-Lock 1/2-13
40	136-8979	2	Trailing Arm
41	137-9754-03	1	Tube-Arm, Trailing
42	3229-20	4	Screw-CARR
43	120-4578	4	Nut-HF
44	125-5239	4	Bushing-Flange
47	105-1853	1	Clamp-Hose
48	136-8966	1	Decal-Radius Logo
49	136-8972	1	Cover-Shock
50	136-8957	1	Floor Mat
51	135-3442	1	ASM-Seat Exmark
52	131-8834	1	Bumper
53	104-7201	1	Nut-Nyloc 1/4-20 Flg
54	3230-6	4	Bolt-Carriage 3/16-18 X 2
55	117-2749	2	Nut-Push
56	135-2015	1	Screw-Shoulder
57	136-8952	1	Decal-Adjustment, Ride
58	136-9024	1	Decal-Aid, Service

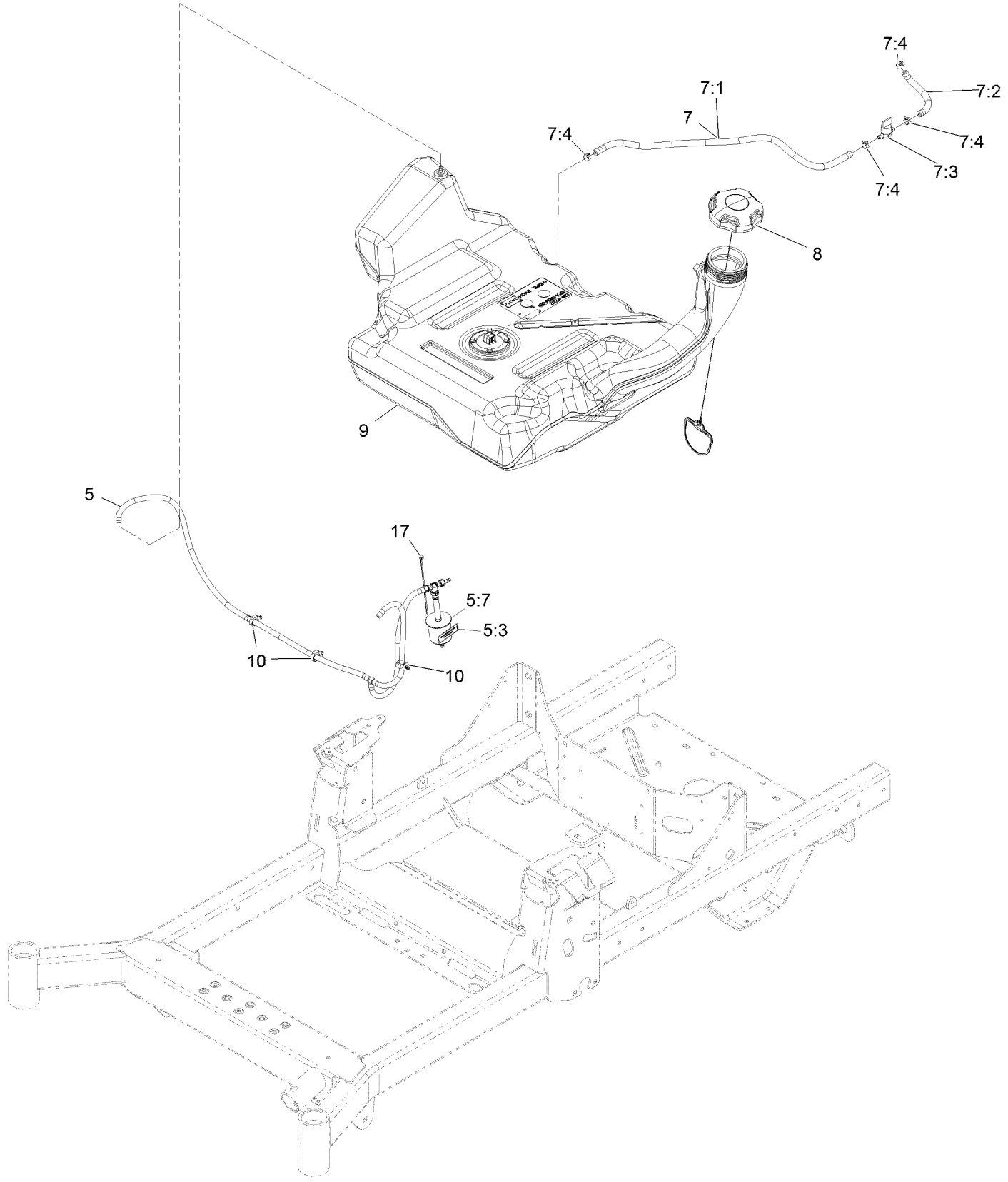
Seat Assembly



Seat Assembly (continued)

Ref.	Part Number	Qty.	Description
1	136-9002	4	Spacer-Mounting
2	82-2190	1	Switch
3	110-4163	2	Cushion-Rest, Arm
4	126-9091	1	Seat Belt Kit
5	126-2058	1	Armrest Kit
5:1	110-4163	2	Cushion-Rest, Arm
6	126-8552	1	Cover-Seat Back Svc
7	126-2177	1	Track-Seat
8	136-9000	1	Cover-Seat Bottom Svc

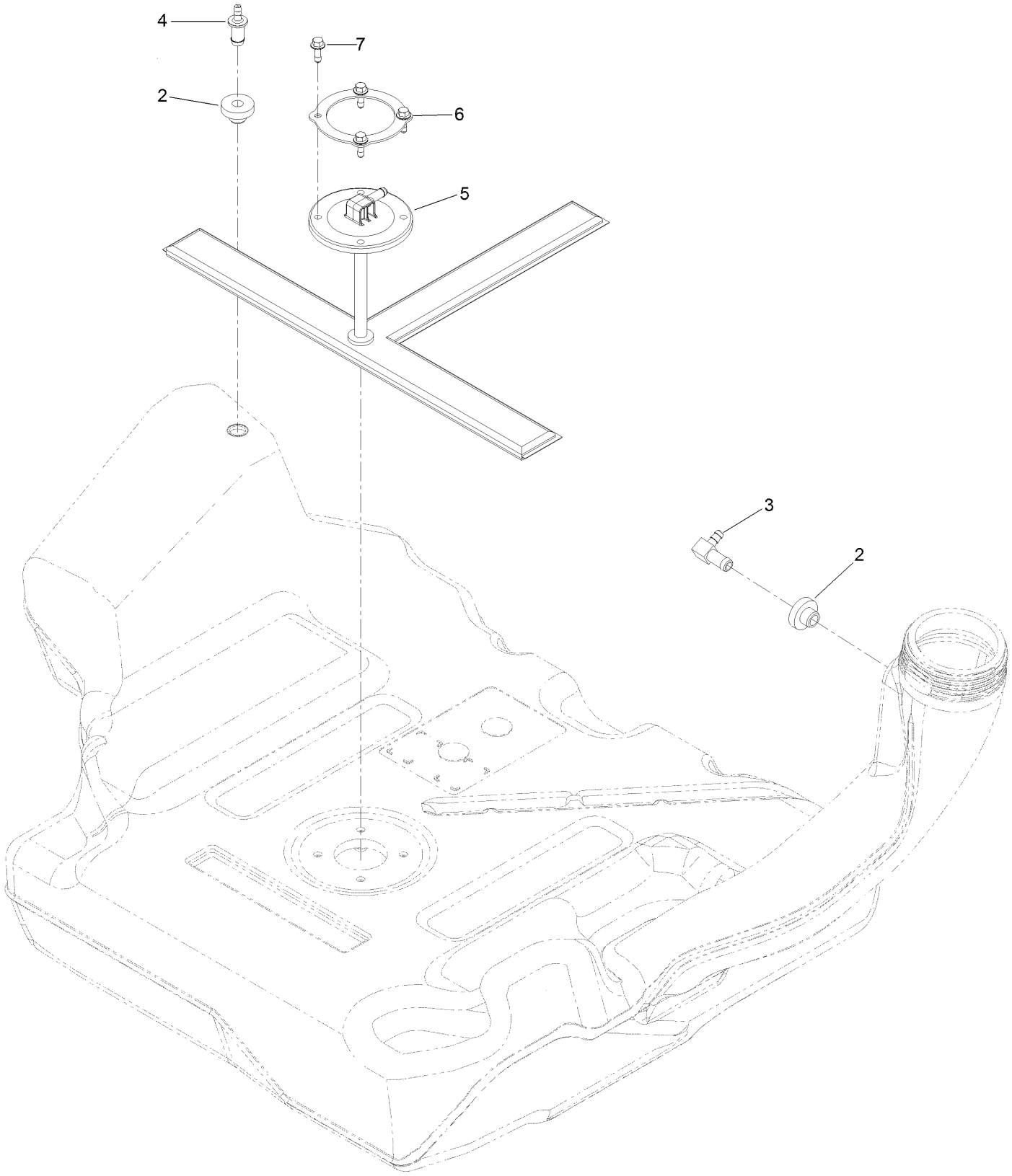
Fuel Assembly



Fuel Assembly (continued)

Ref.	Part Number	Qty.	Description
5	126-8738	1	Vent Hose ASM
5:3	116-4769	1	Decal-Filter, Emissions
5:7	120-2235	1	Filter-Fuel
7	126-8740	1	Fuel Hose ASM
7:1	109-0302	1	Hose-Fuel Line 24"
7:2	109-0678	1	Hose-Fuel
7:3	1-603770	1	Valve-Fuel
7:4	2412-98	4	Clamp-Hose
8	135-4801	1	Cap-Fuel, Ratcheting
9	126-4724	1	Tank-Fuel
10	126-5523	3	Clip
17	1-303287	1	Tie-Cable 5 1/2 (Small)

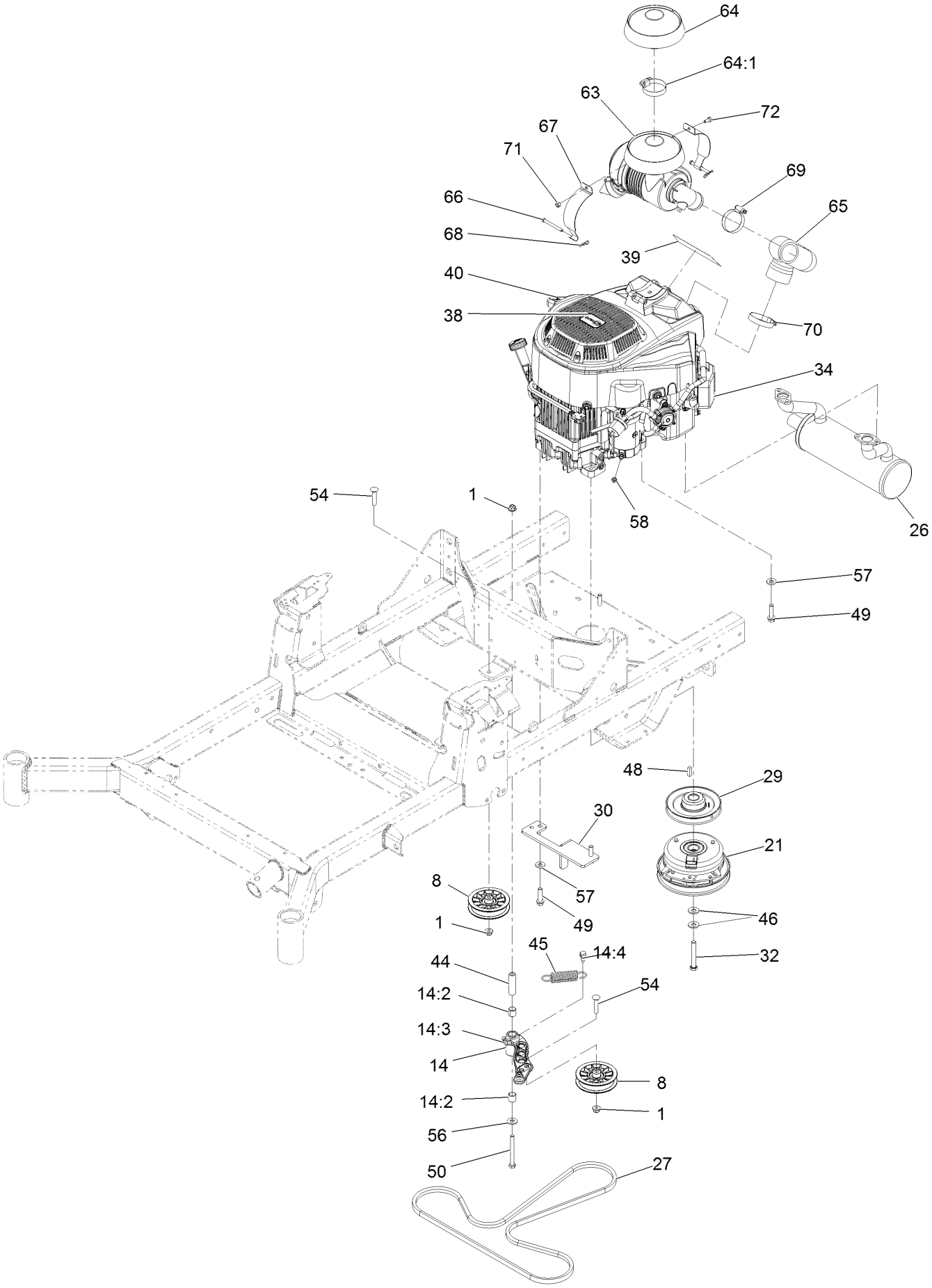
Fuel Tank Assembly (cont.)



Fuel Tank Assembly (cont.) (continued)

Ref.	Part Number	Qty.	Description
2	46-6560	2	Bushing
3	126-9057	1	Fitting-90 DEG
4	116-4630	1	Fitting-Orifice, Straight
5	126-5528	1	Pickup-Fuel
6	126-5527	1	Ring-Retainer
7	126-5525	4	Bolt

Engine Assembly

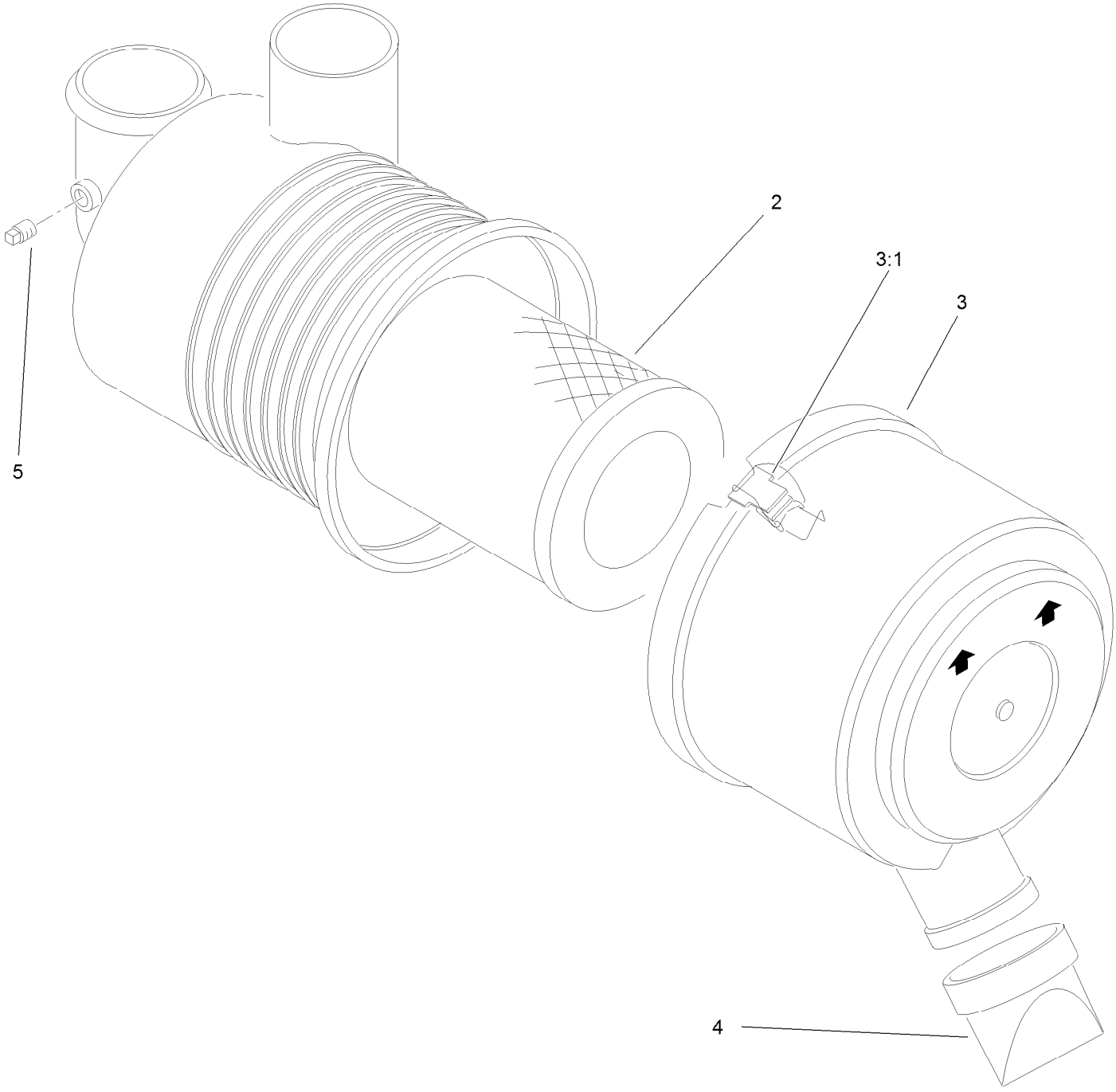


Engine Assembly (continued)

Ref.	Part Number	Qty.	Description
1	104-8301	3	Nut-Nyloc 3/8-16 Flg
8	116-2456	2	Pulley-Flat Idler
14	126-0973	1	Idler Arm ASM
14:2	1-513034	2	Sleeve-Bearing
14:3	302-40	1	Zerk-90° 1/4-28
14:4	32144-11	1	Screw-HWH 5/16-18 X 3/4 Tf
21	126-4323	1	Clutch 1.00
26	126-5864	1	Muffler
27	126-5993	1	Belt-V
29	138-6007	1	Sheave-Engine
30	126-6687-03	1	Anchor-Clutch
32	126-7198	1	Screw-HH 7/16-20 X 3 W/Loctite ●
34	136-7823	1	Engine-2P77F-HD
38	131-1078	1	Decal
39	135-2516	1	Decal - Air Canister Mount
40	131-1097	1	Decal-Drain, Oil
44	1-603384	1	Bushing-Pivot, Idler
45	1-603402	1	Spring-Extension
46	1-603610	2	Washer-Spring Disc 7/16
48	1-807259	1	Key-Machine 1/4 X 1/4 X 1
49	32144-102	4	Screw-HWH 3/8-16 X 1 1/2 Taptite
50	323-15	1	Screw-HH 3/8-16 X 3 1/2
54	3231-29	2	Bolt-Carriage 3/8-16 X 1 3/4
56	3256-4	1	Washer-3/8 Std
57	98-5975	4	Washer-Spring Disc 3/8
58	33003-00	1	Nut-Hex M6-1 Flg
63	93-2190	1	Air Cleaner ASM
64	136-7859	1	Rain Cap Kit
64:1	1-643009	1	Clamp-Hose
65	136-9242	1	Hose-Intake
66	137-2011	2	Pin-Clevis
67	136-9243	2	Strap-Canister, Air
68	1-806003	2	Hairpin-Cotter
69	1-643009	1	Clamp-Hose
70	2412-130	1	Clamp-Hose
71	137-3088	1	Nut-Hex
72	137-3041	1	Screw-HH

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

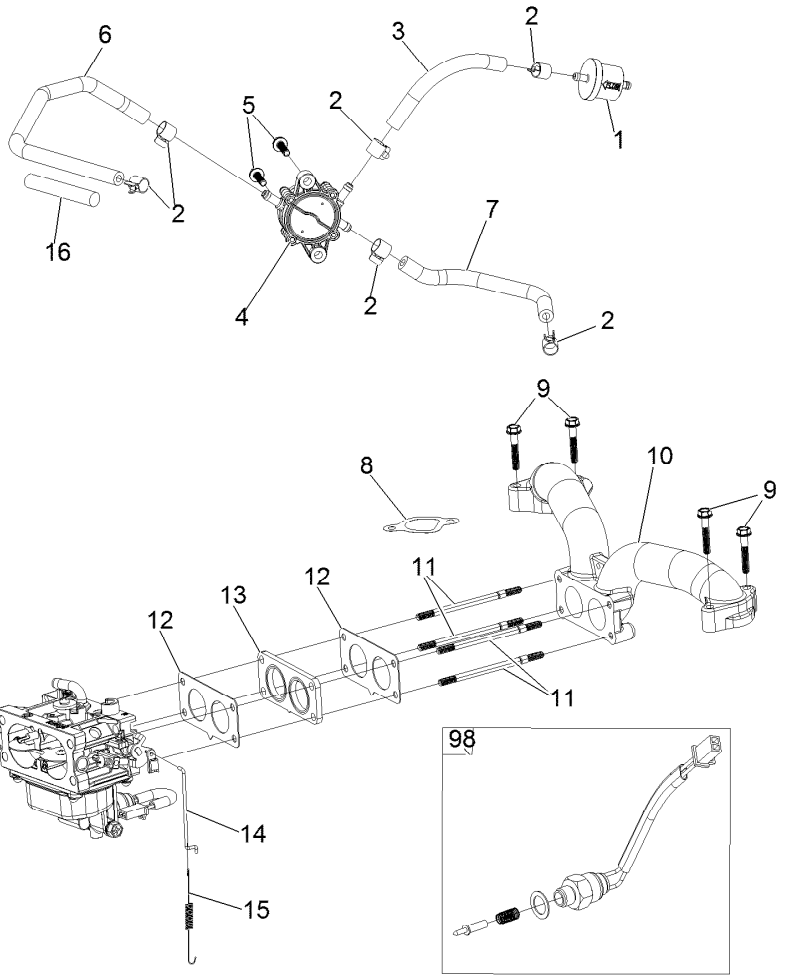
Air Cleaner Assembly No. 93-2190

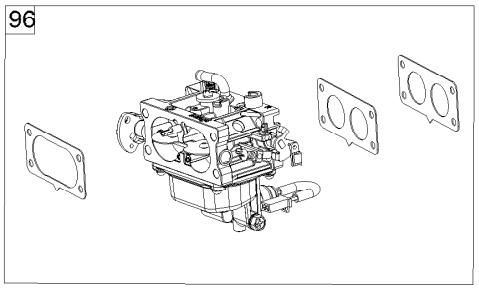


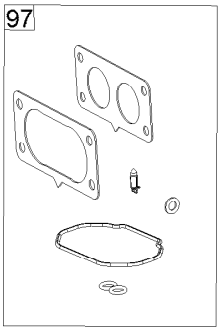
Air Cleaner Assembly No. 93-2190 (continued)

Ref.	Part Number	Qty.	Description
2	108-3811	1	Filter-Air
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

Fuel System Assembly





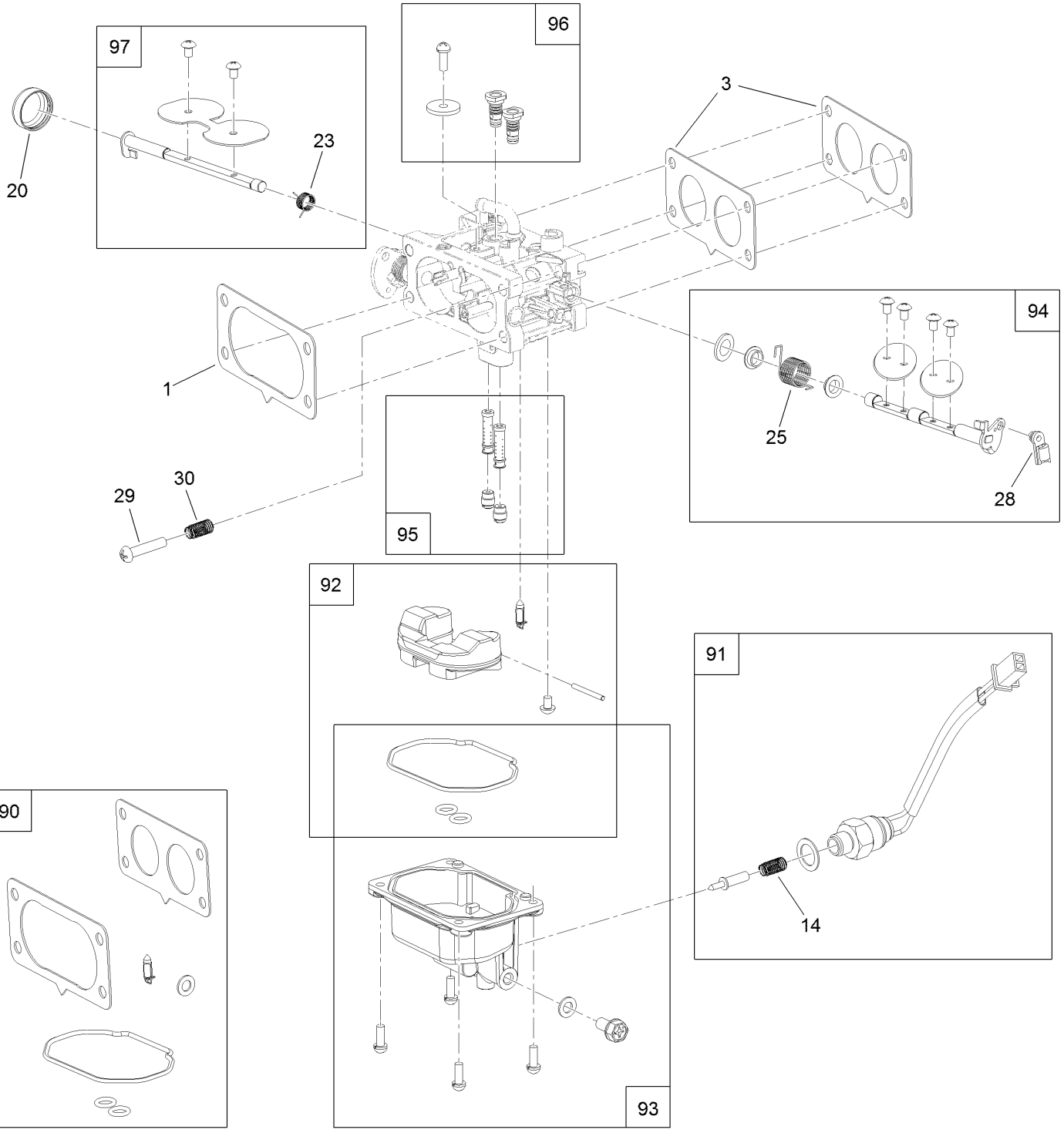


Fuel System Assembly (continued)

Ref.	Part Number	Qty.	Description
1	133-1563	1	Filter-Fuel
2	120-4251	6	Clamp-Fuel Line
3	120-4371	1	Line-Fuel
4	127-9206	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

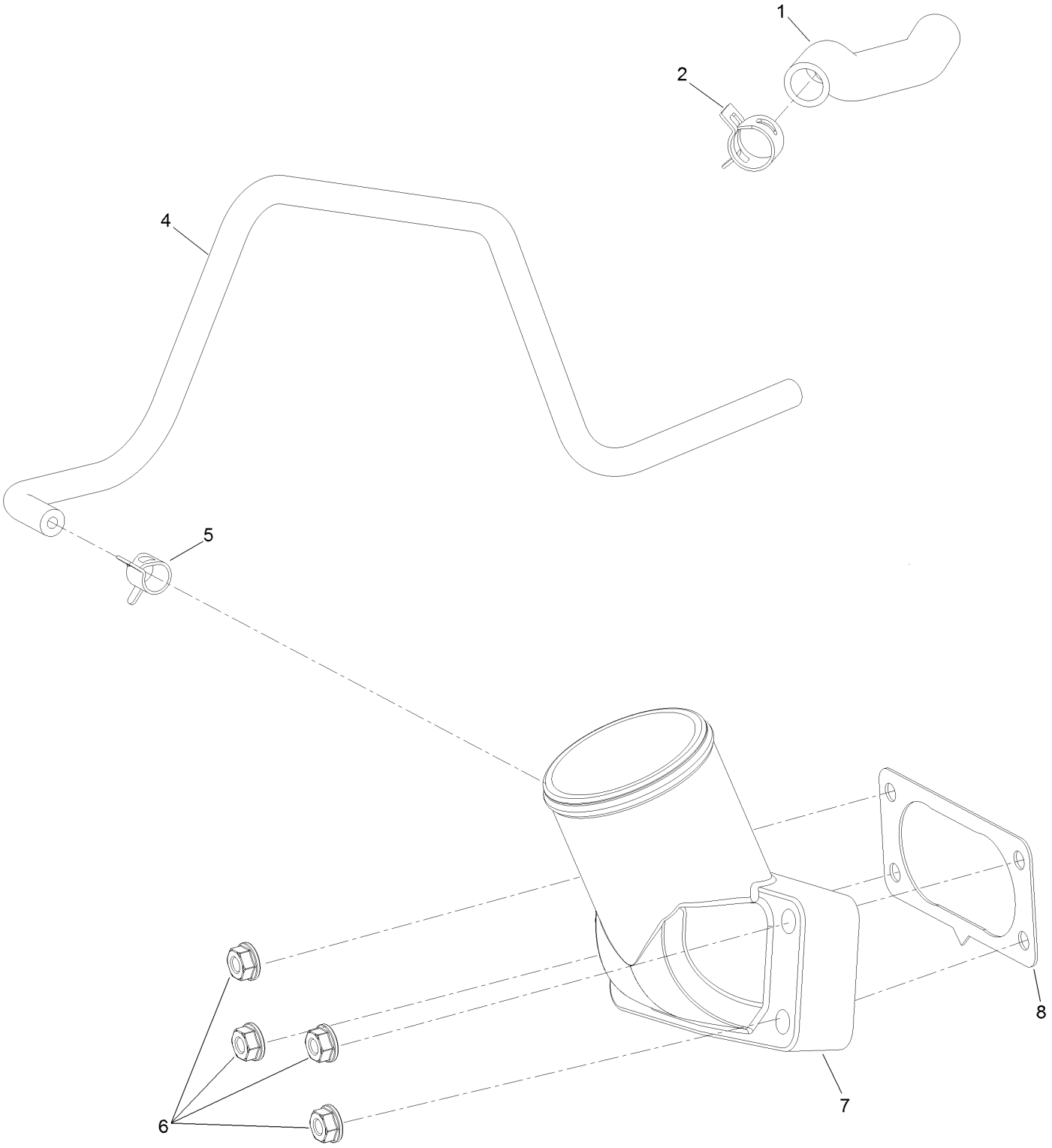


Carburetor Assembly (continued)

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

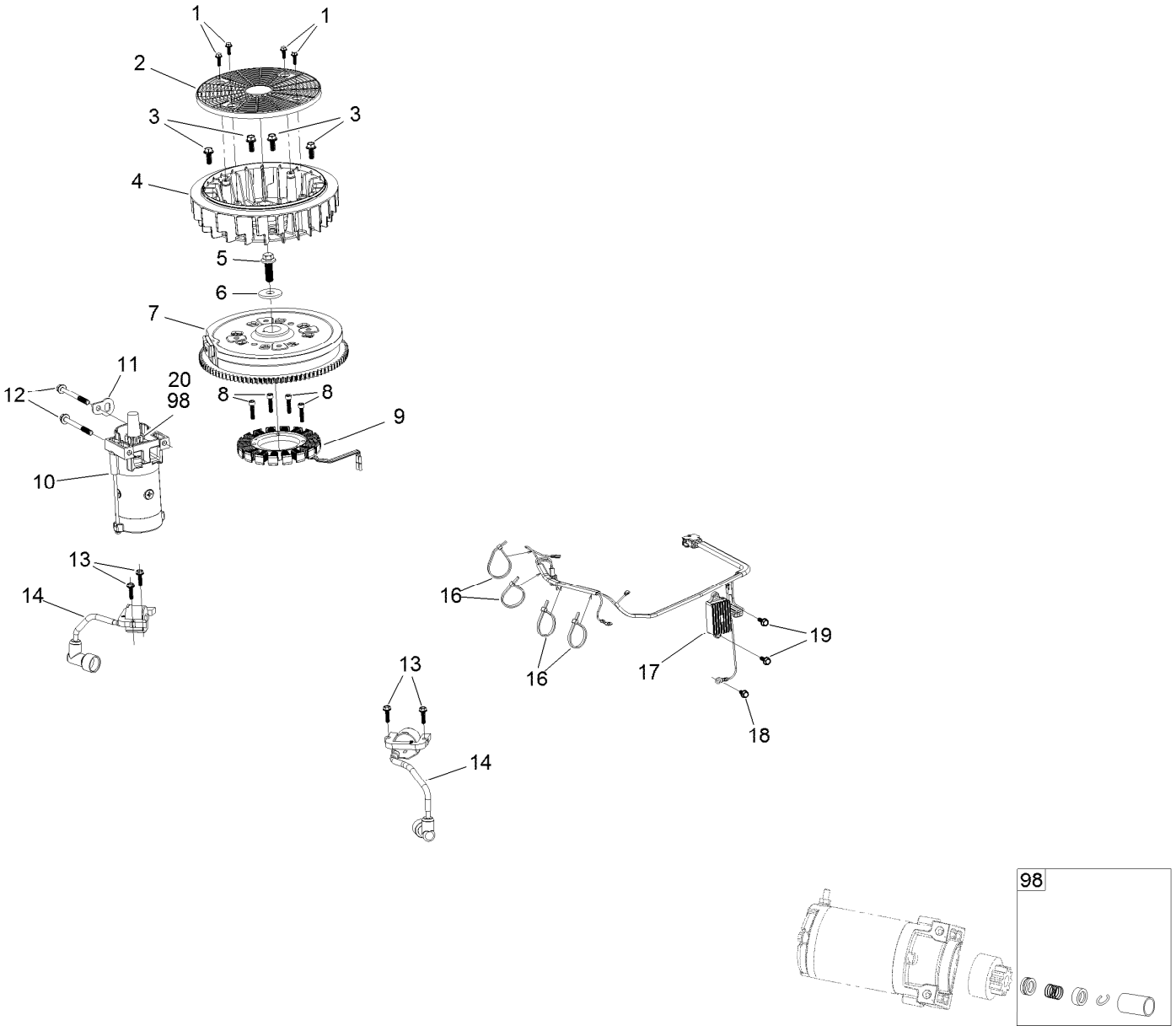
Air Intake and Filtration Assembly



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

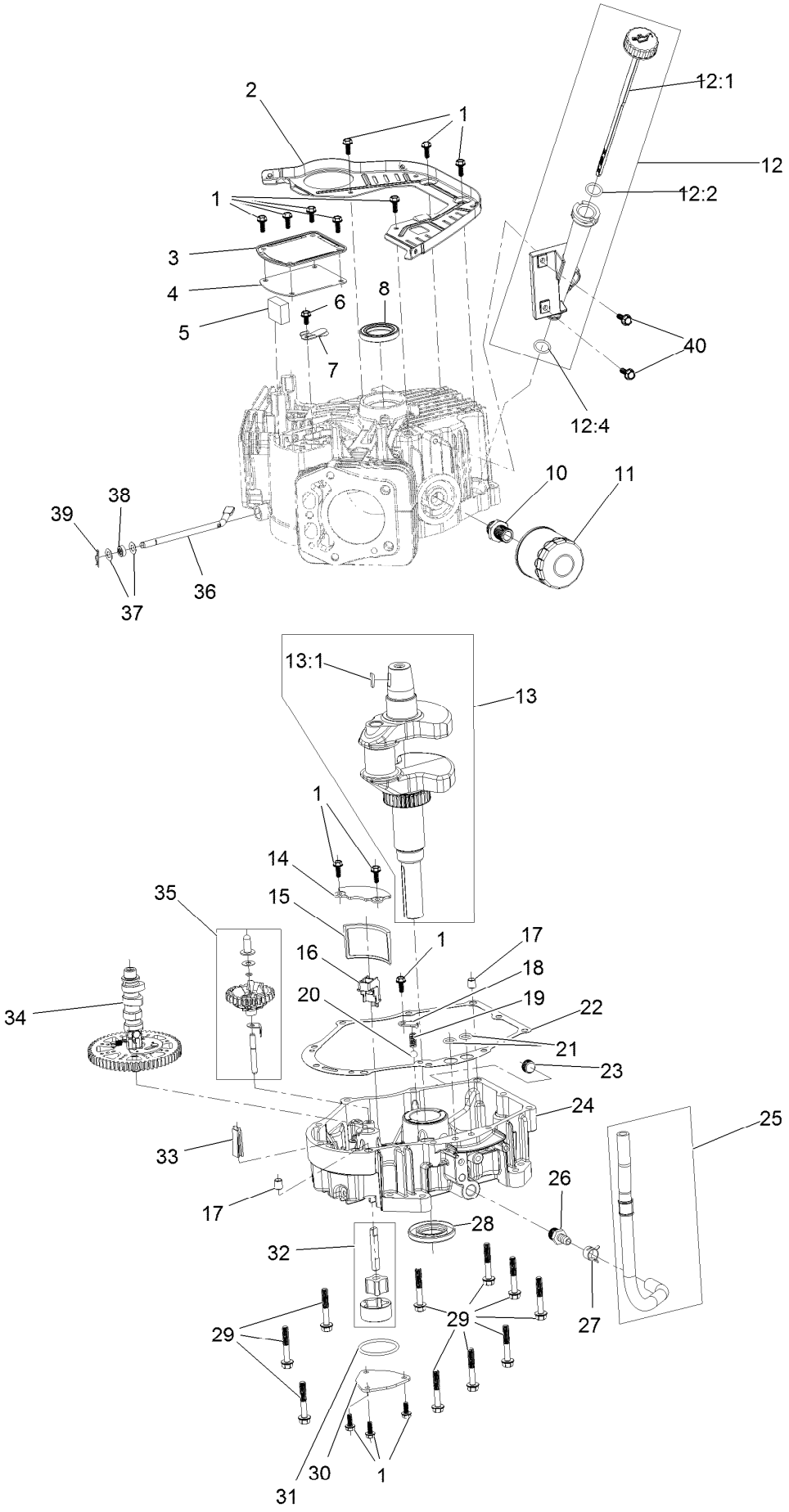
Ignition and Cooling Fan



Ignition and Cooling Fan (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-Flat
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	136-7883	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

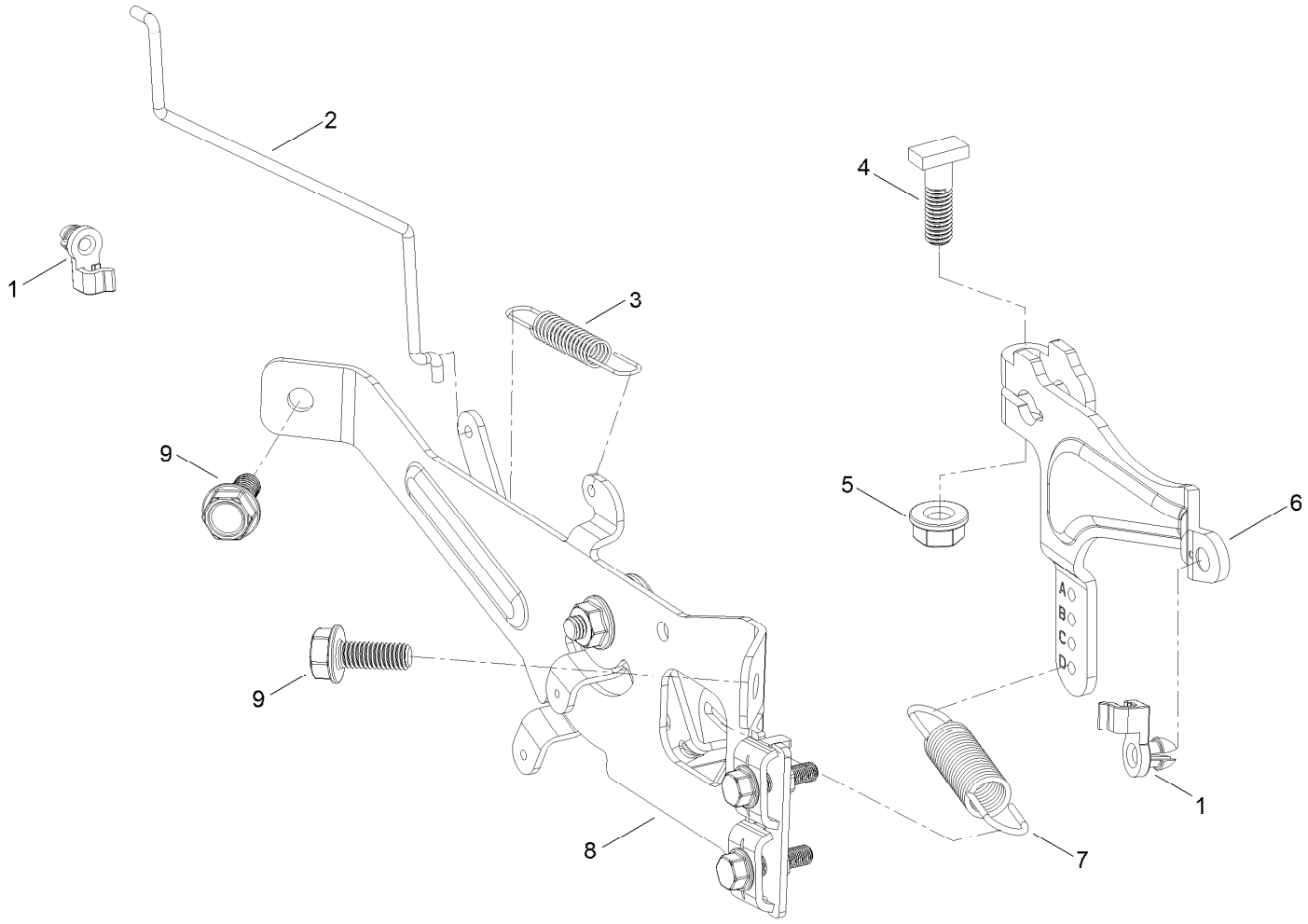
Crankcase and Crankshaft Assembly



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

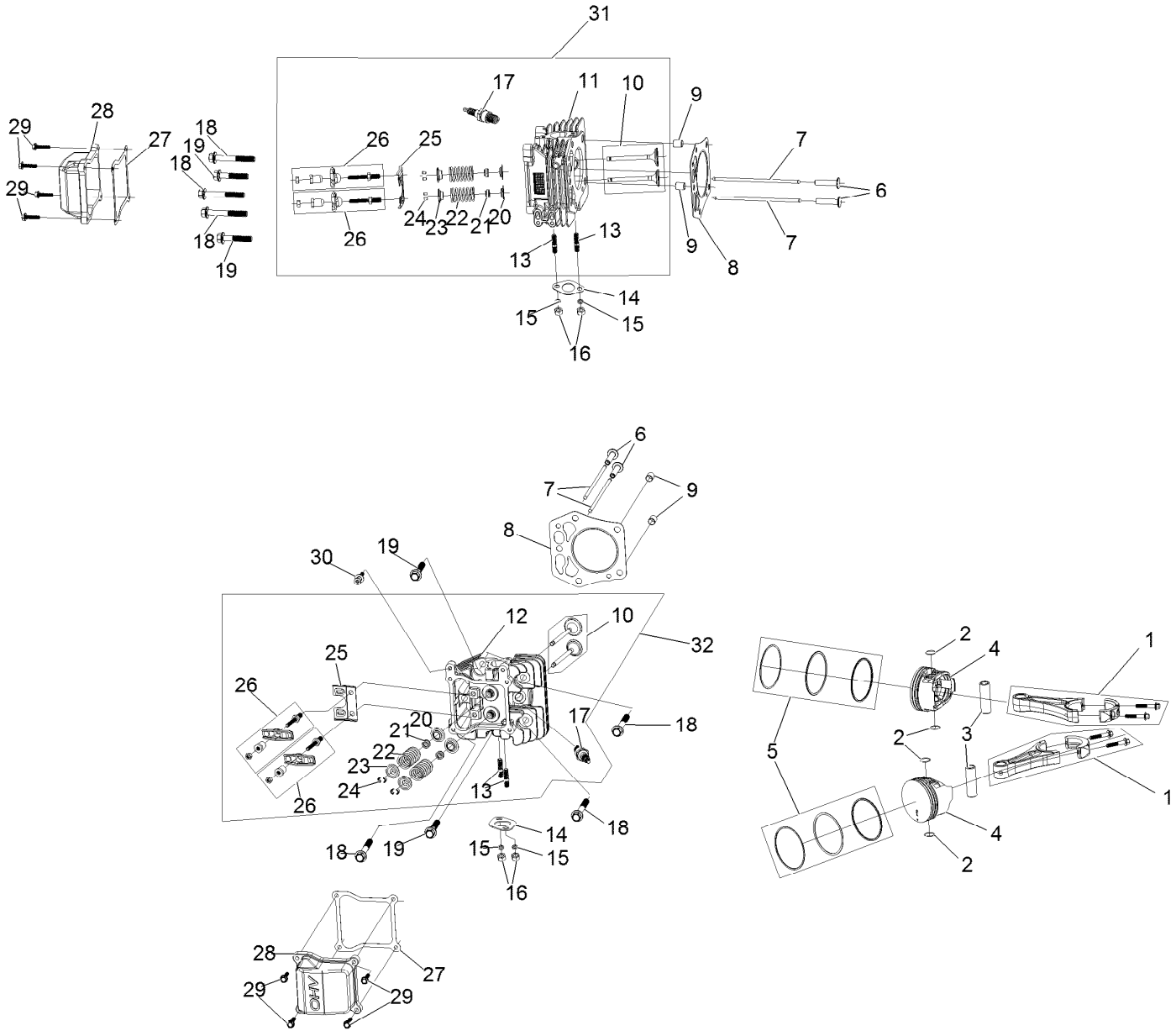
Governor Control Assembly



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

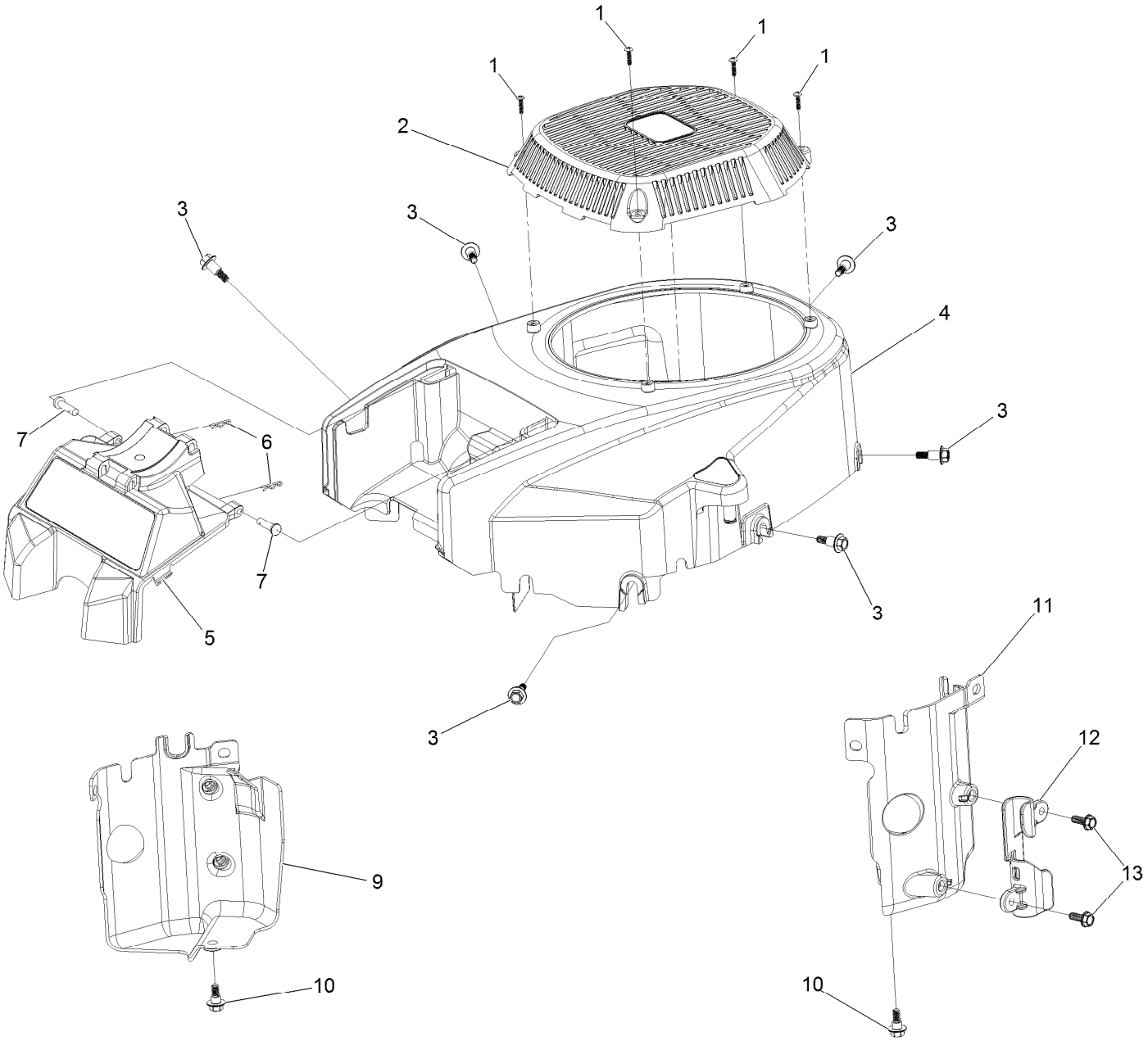
Piston and Cylinder Head Assembly



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	133-9802	1	Head-Cylinder, Right
12	133-9804	1	Head-Cylinder, Left
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	136-7891	1	Complete Right Head ASM
32	136-7892	1	Complete Left Head ASM

Blower Housing Assembly

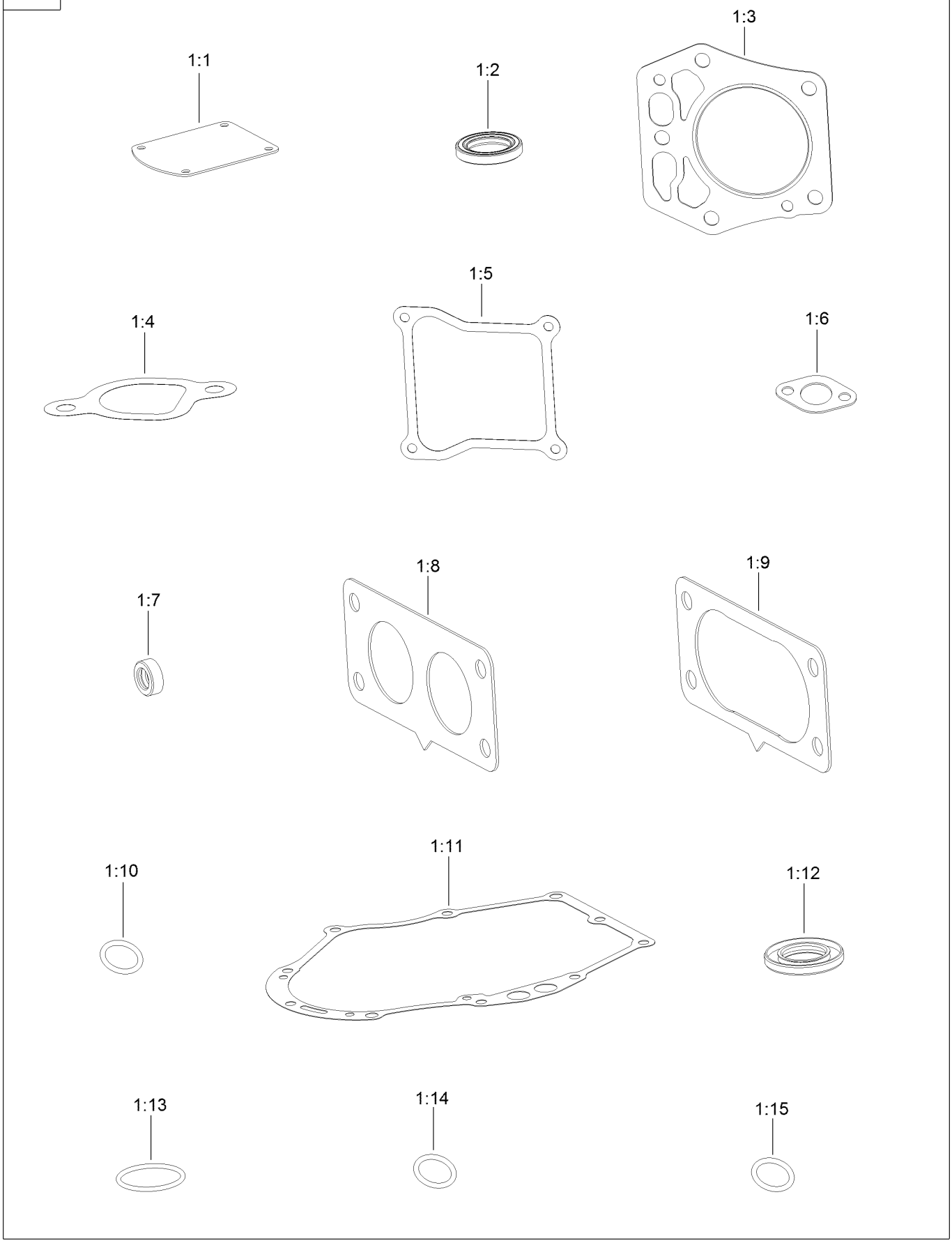


Blower Housing Assembly (continued)

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

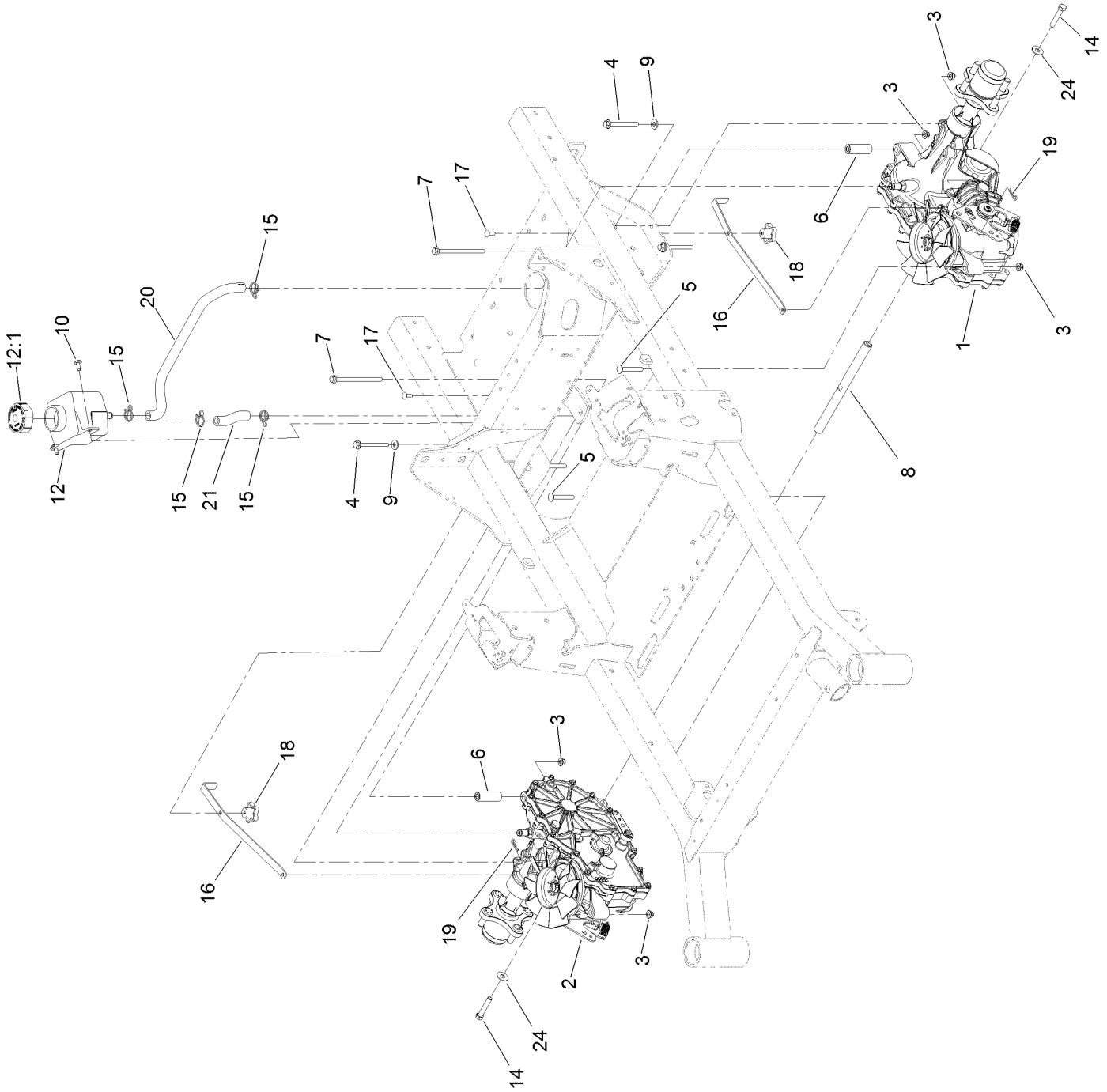
1



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

Hydraulic Drive Assembly

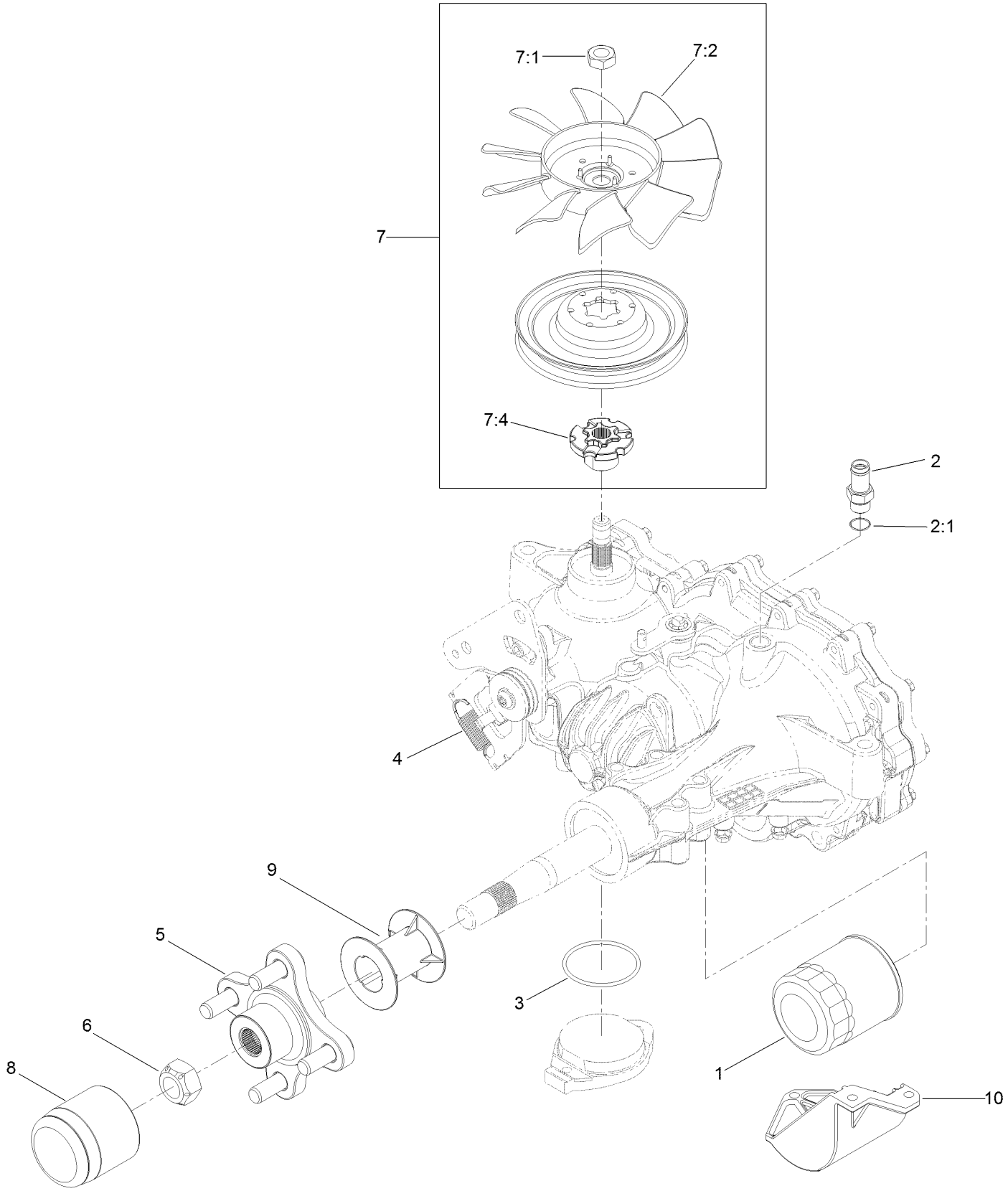


Hydraulic Drive Assembly (continued)

Ref.	Part Number	Qty.	Description
1	135-0140	1	LH Transaxle ASM
2	135-0139	1	RH Transaxle ASM
3	104-8300	8	Nut-HF, NI
4	126-4687	4	Screw-HHF
5	3230-7	2	Bolt-CARR
6	116-5809	2	Spacer-Hydro
7	126-5896	2	Screw HHF
8	116-6833	1	Shaft-Spacer
9	1-303334	4	Washer-Spring
10	126-6266	2	Screw-Torx
12	109-2250	1	Tank-HYD
12:1	109-3320	1	Cap-Reservoir, HYD
14	94-7972	2	Screw-HH W/Loctite ●
15	126-0327	4	Clamp-Hose
16	109-5395	2	Arm-Bypass, Hydro
17	3229-1	2	Bolt-CARR
18	108-6402	2	Knob-Handle
19	1-806003	2	Pin-Cotter
20	133-1325	1	Hose-Hydraulic
21	133-1320	1	Hose-Hydraulic
24	3256-4	2	Washer-Flat

● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

LH Transaxle Assembly

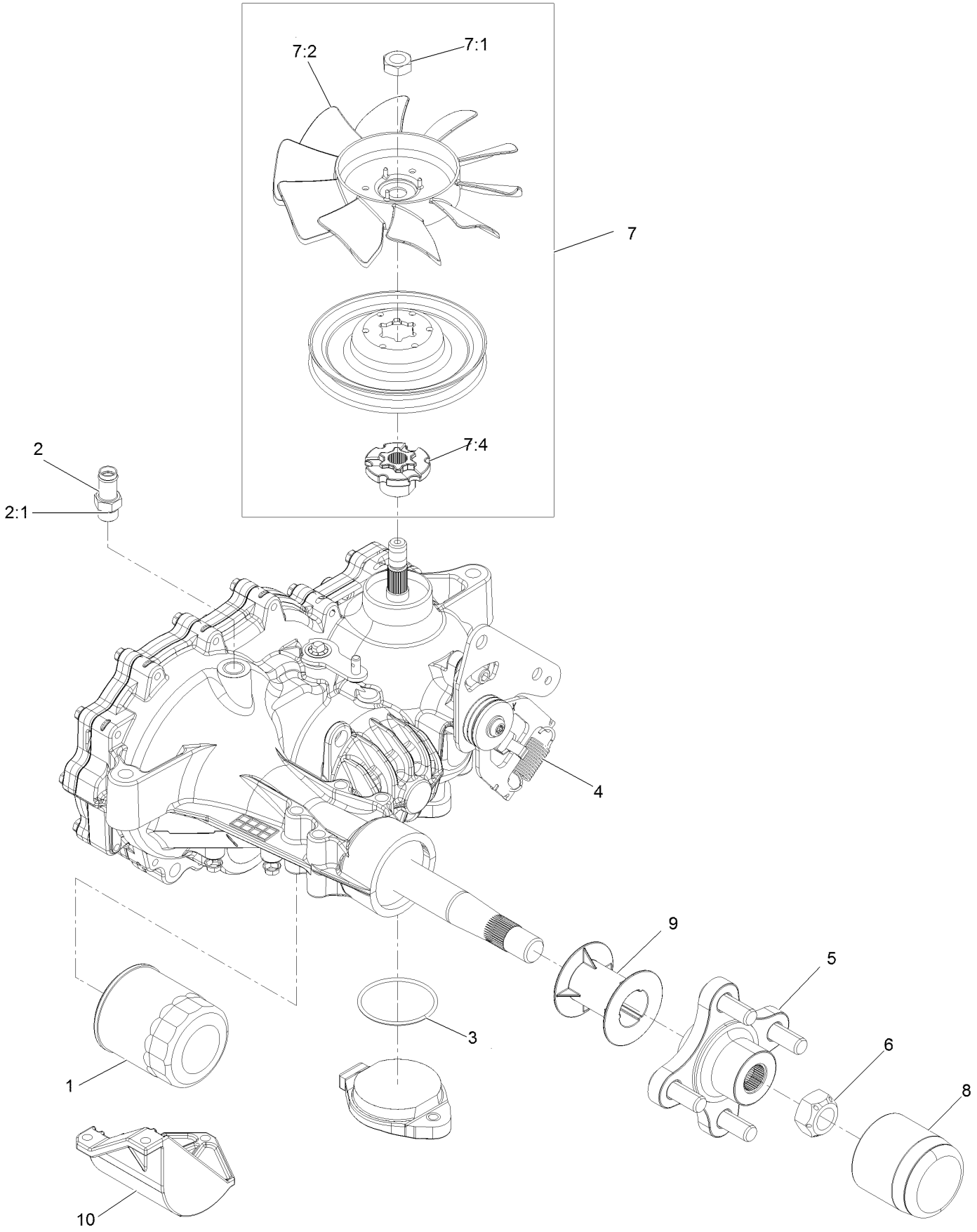


LH Transaxle Assembly (continued)

Ref.	Part Number	Qty.	Description
1	109-3321	1	Filter-Hydraulic
2	109-3278	1	Adapter-Straight
2:1	237-42	1	O-Ring
3	109-3540	1	O-Ring-Charge Seal Cover
4	109-5592	1	Spring
5	116-3872	1	Hub-Offset
6	109-3536	1	Nut-Hub
7	125-0059	1	Fan And Pulley Kit
7:1	116-9714	1	Nut-HJ
7:2	126-0226	1	Fan
7:4	116-9705	1	Hub-Pulley
8	116-6214	1	Cap-Axle, Long
9	116-6213	1	Tube-Axle
10	120-7979	1	Guard-Filter, LH
99	109-3537	1	Seal Kit ●
99	135-3604	1	Brake Shaft Seal Kit

● Not illustrated

RH Transaxle Assembly

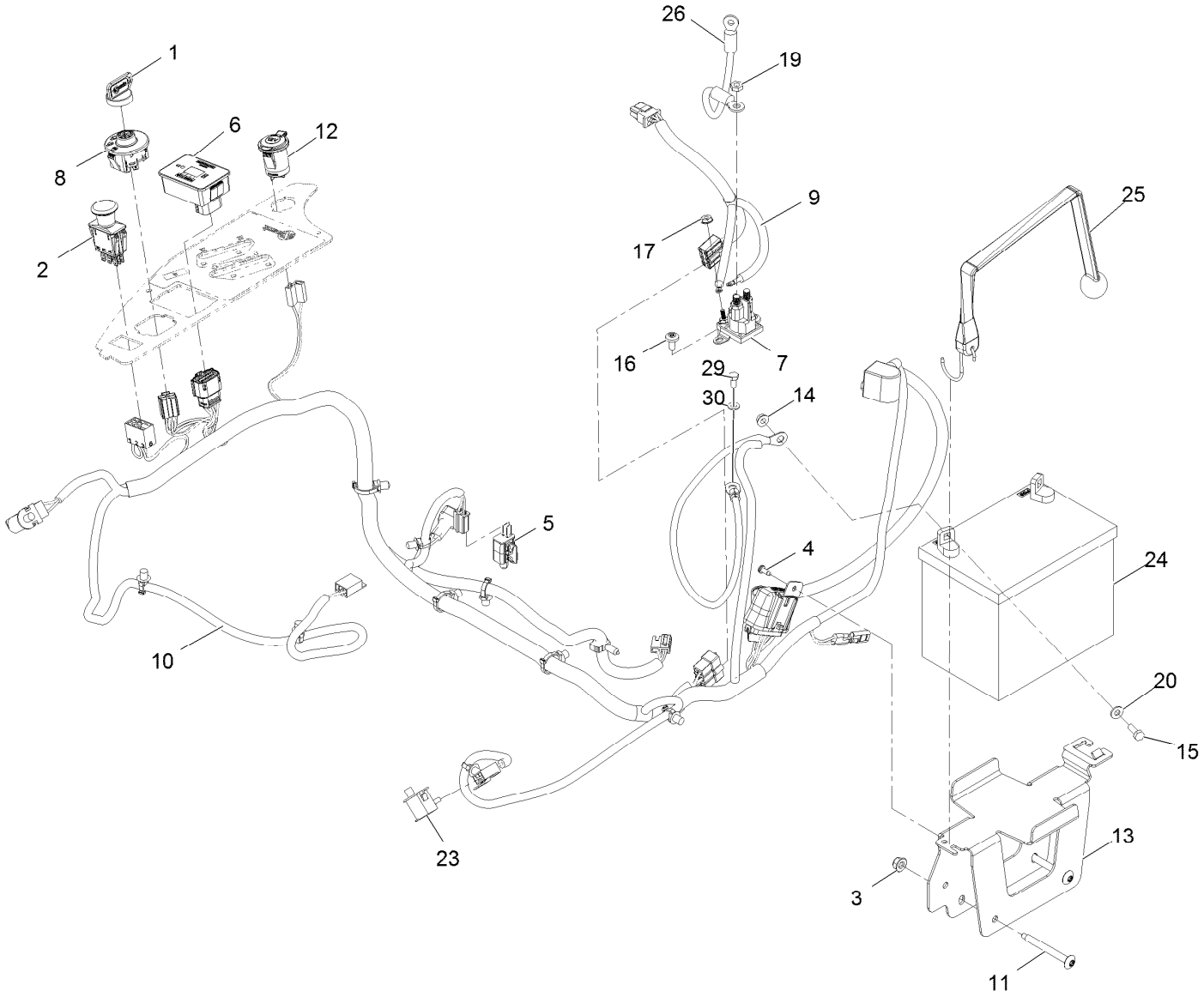


RH Transaxle Assembly (continued)

Ref.	Part Number	Qty.	Description
1	109-3321	1	Element-Oil Filter, HYD
2	109-3278	1	Adapter-Straight
2:1	237-42	1	O-Ring
3	109-3540	1	O Ring-Seal
4	109-5592	1	Spring-Extension
5	116-3872	1	Hub-Offset
6	109-3536	1	Nut-Hub
7	125-0059	1	Fan And Pulley Kit
7:1	116-9714	1	Nut-HJ
7:2	126-0226	1	Fan
7:4	116-9705	1	Hub-Pulley
8	116-6214	1	Cap-Axle, Long
9	116-6213	1	Tube-Axle
10	120-7981	1	Guard-Filter, RH
99	109-3537	1	Seal Kit ●
99	135-3604	1	Brake Shaft Seal Kit

● Not illustrated

Electrical Assembly



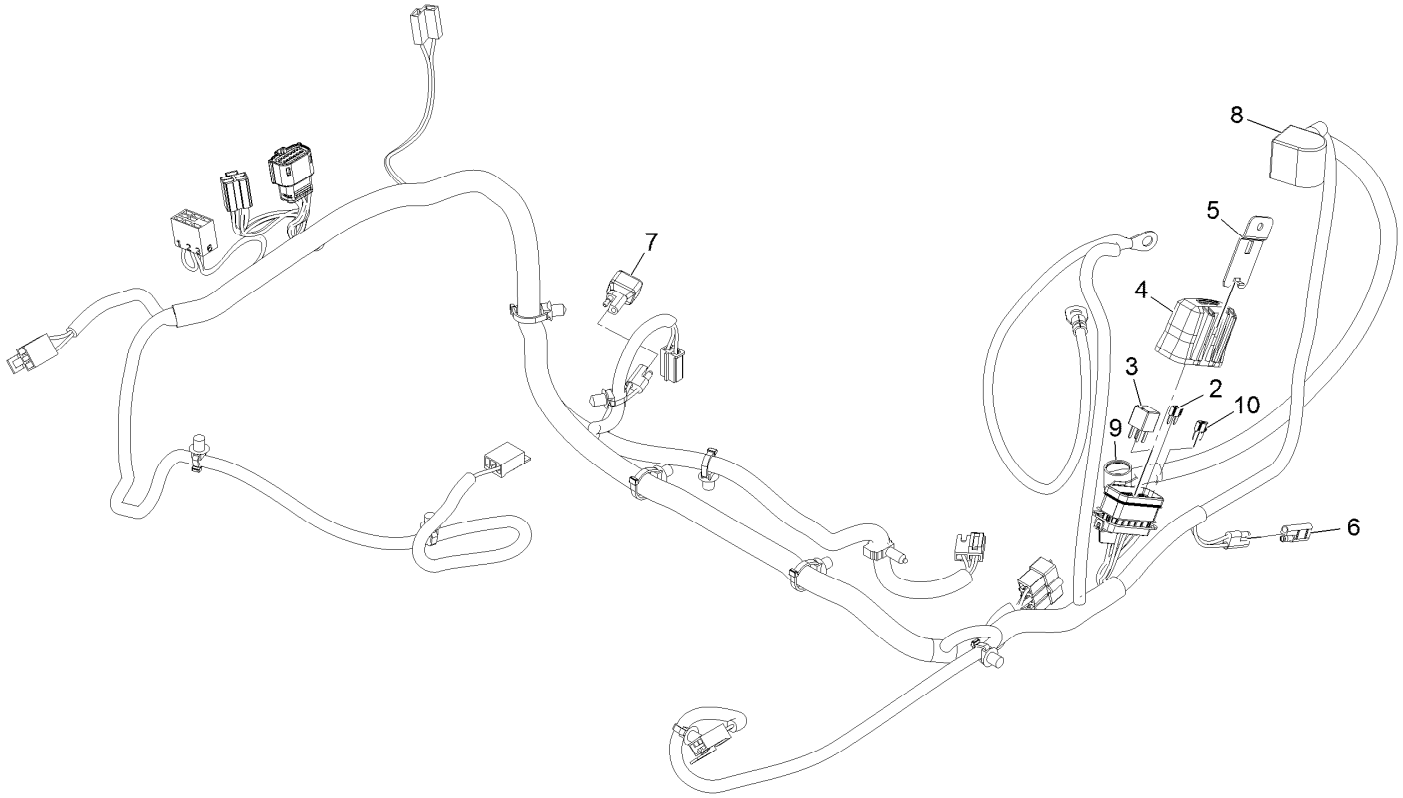
Electrical Assembly (continued)

Ref.	Part Number	Qty.	Description
1	1-603511	1	Key-Ignition
1	103-2106	1	Key-Exmark Logo
2	103-5221	1	Switch-PTO
3	104-8300	2	Nut-Nyloc 5/16-18 Flg
4	105-6849	1	Screw-Tph #10-24 X 1/2 Tf
5	110-6765	1	Switch
6	116-5609	1	Module ASM
7	117-1197	1	Solenoid
8	137-4100	1	Switch-Ignition
9	126-5036	1	Adapter-Harness, Wire
10	126-5803	1	Harness-Wire ▲
11	126-6267	2	Screw-Truss HD 5/16-18 X 2 3/4 Torx Plus
12	126-6499	1	Port-Power, 12V
13	126-6725-03	1	Tray-Battery
14	32128-33	2	Nut-Whizlock 1/4-20
15	321-4	2	Screw-HH 1/4-20 X 3/4
16	126-6266	2	Screw-1/4-20 X .65 Torx Plus
17	32149-8	2	Nut-Keps 10-32 Unf Yz
19	3220-2	1	Nut-Jam 5/16-24
20	3256-22	2	Washer-1/4 SAE
23	82-2190	2	Switch
24		1	Battery ●■
25	126-7627	1	Strap-Bungee
26	100-3540	1	Cable-Battery, Positive
29	135-2868	1	Screw-HH
30	3256-23	1	Washer-5/16 SAE

● Obtain locally. ■ Not serviced separately

▲ Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.

Harness Assembly No. 126-5803



Harness Assembly No. 126-5803 (continued)

Ref.	Part Number	Qty.	Description
2	121-8868	1	Fuse-Mini Blade, 20 Amp
3	126-3991	1	Relay-Micro
4	32180-176	1	Cover-Block, Fuse
5	32180-177	1	Clip-Mounting
6	116-0053	1	Cap-Plug
7	103-3895	1	Diode
8	126-8876	1	Insulator-Battery
9	1-543393	1	Insulator-Solenoid
10	121-8867	1	Fuse-Mini Blade, 15 Amp

Notes:

Notes:

Notes:

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SNOW BLADE
SNOWBLOWER
SUN SHADE
TRASH CONTAINER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM
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Place Model No. and Serial No. Label Here (Included in the Literature Pack) or Fill in Below

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