



Form No. 3413-641 Rev D

Count on it.

Parts Catalog

Sand Pro® 2040Z Traction Unit

Model No. 08706—Serial No. 400000000 and Up



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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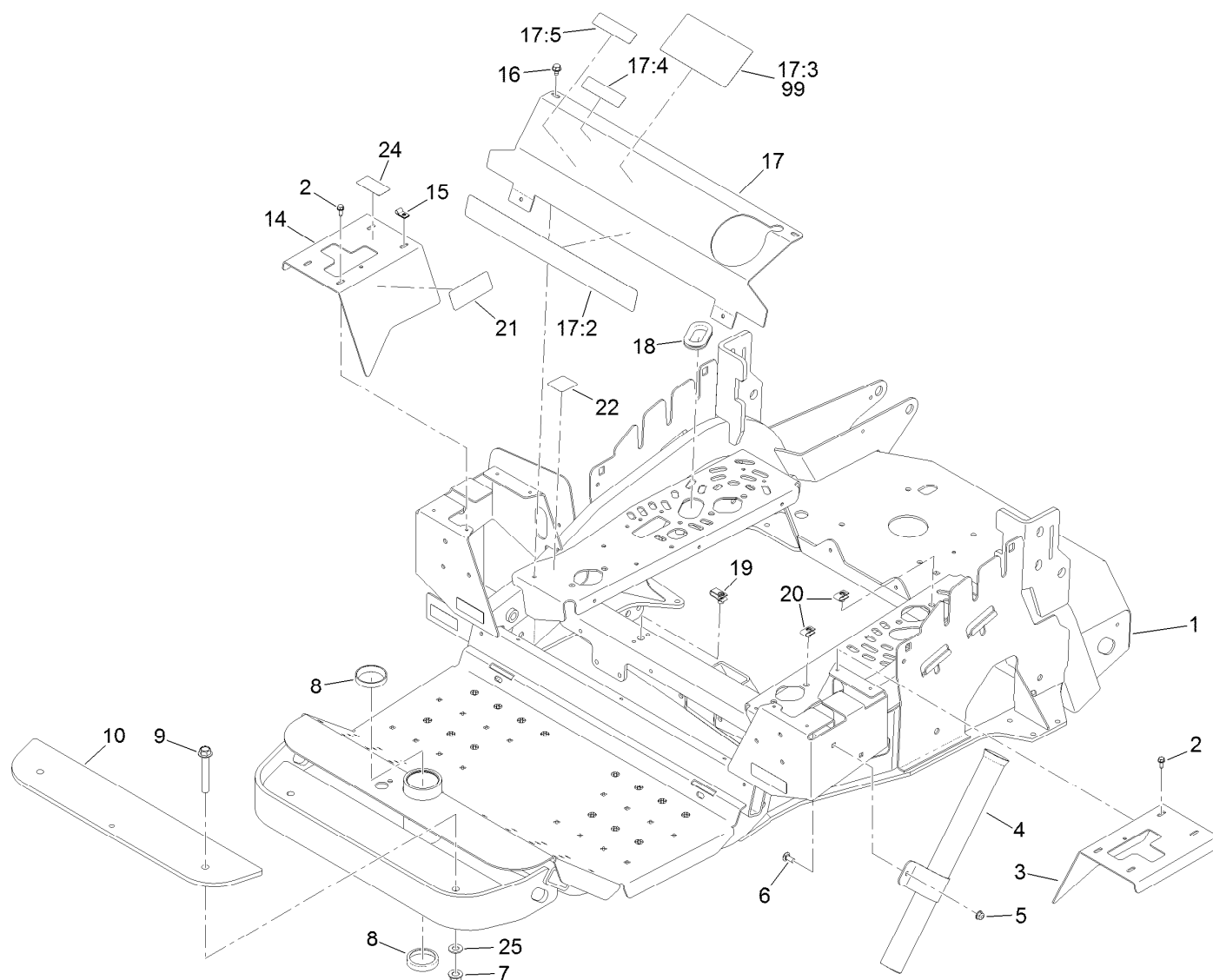
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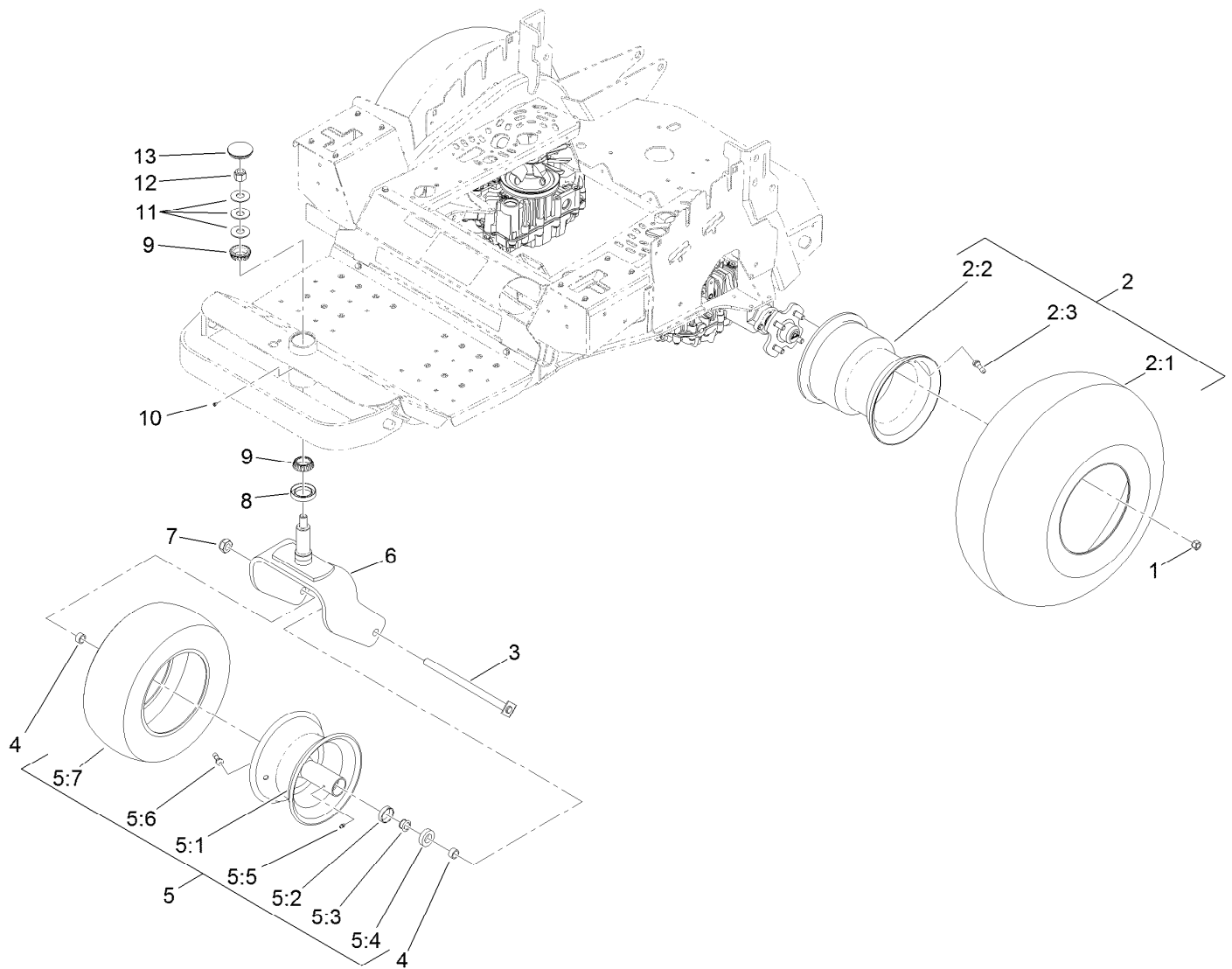
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Main Frame Assembly

Ref.	Part Number	Qty.	Description
1	125-2380-01	1	Frame
2	32144-10	8	Screw-HWH
3	125-2409-03	1	Cover-Control, LH
4	127-0353-03	1	Holder-Rake
5	104-8300	2	Nut-HF, NI
6	3230-23	2	Bolt-CARR
7	99-5107	2	Nut-HF Nylock
8	254-107	2	Cup-Bearing, Tapered
9	114-8419	2	Screw-HHF
10	125-5133-03	4	Bumper-Weight
14	125-2410-03	1	Cover-Control, RH
15	2412-72	1	Clip-Closed, Insulated
16	9266934	4	Screw

Ref.	Part Number	Qty.	Description
17	127-7888	1	Front Cover ASM
17:2	127-4149	1	Decal-Sand Pro 2040Z
17:3	132-4412	1	Decal-Danger
17:4	117-2718	1	Decal-Arrester, Spark
17:5	127-7868	1	Decal-Attachment Warning
18	240-12	2	Grommet-Rubber
19	127-8408	2	Nut-U
20	115-7721	4	Nut-Clip, U
21	109-7232	2	Decal-Motion Control
22	116-5944	1	Decal-Park Brake
24	127-0365	1	Decal-Attachment Control
25	3256-26	2	Washer-Flat
99	130-1851	1	Decal-Danger, CE

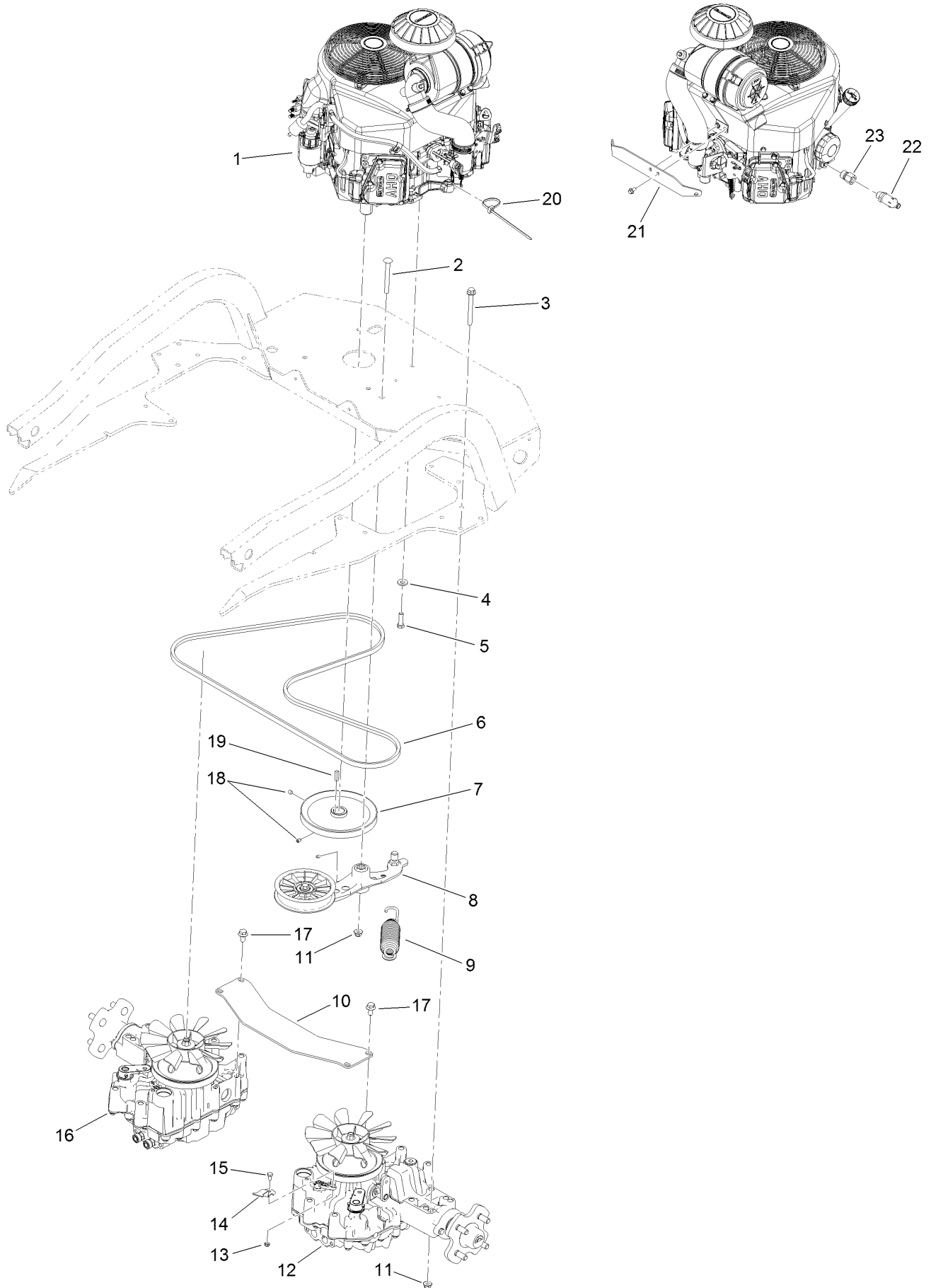


Tire and Caster Assembly

Ref.	Part Number	Qty.	Description
1	242-50	8	Nut-Lug
2	121-8069	2	Tire ASM
2:1	125-6465	1	Tire
2:2	125-6464	1	Rim
2:3	232-27	1	Stem-Valve
3	5-3934	1	Bolt-Caster
4	74-3730	2	Spacer-Spindle, Rear
5	125-2406	1	Tire ASM
5:1	125-6405	1	Rim ASM
5:2	254-79	2	Bearing-Roller, Cup
5:3	254-78	2	Bearing-Cone
5:4	253-111	2	Seal-Oil

Ref.	Part Number	Qty.	Description
5:5	302-5	1	Fitting-Grease
5:6	232-27	1	Stem-Valve
5:7	125-6406	1	Tire
6	125-2382-01	1	Caster
7	3296-67	1	Nut-Lock, NI
8	69-2980	1	Seal
9	254-106	2	Cone-Bearing, Tapered
10	1-811010	1	Plug
11	108-9957	3	Washer-Belleville
12	3296-51	1	Nut-Lock, NI
13	108-9950	1	Cap-Grease

Engine and Transmission Assembly



Engine and Transmission Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Engine-Kawasaki, Fx481 ■●	13	3296-56	2	Nut-Lock, NI
2	3231-41	1	Bolt-Carriage	14	127-0390	2	Lever-Valve, Tow
3	116-4701	16	Screw-HHF	15	321-2	2	Screw-HH
4	98-5975	4	Washer-Belleville	16	130-7892	1	RH Transmission ASM
5	323-7	4	Screw-HH	17	33105-020	4	Screw-HHF
6	120-5772	1	Belt-V	18	3246-3	2	Screw-HSH
7	120-5779	1	Pulley	19	1-807259	1	Key
8	116-1255	1	Pump Idler ASM	20	3290-378	1	Tie-Cable
9	127-0351	1	Spring-Extension	21	130-2635-03	1	Bracket-Shroud
10	125-2435-03	1	Crossmember-Hydro	22	92-6877	1	Valve-Drain, Oil
11	104-8301	17	Nut-HF, NI	23	103-1966	1	Adapter-STR
12	130-7890	1	LH Transmission ASM				

● Not serviced separately

■ Obtain parts from www.kawpower.com

This exploded view diagram illustrates the assembly of a wheel hub. The components are numbered as follows:

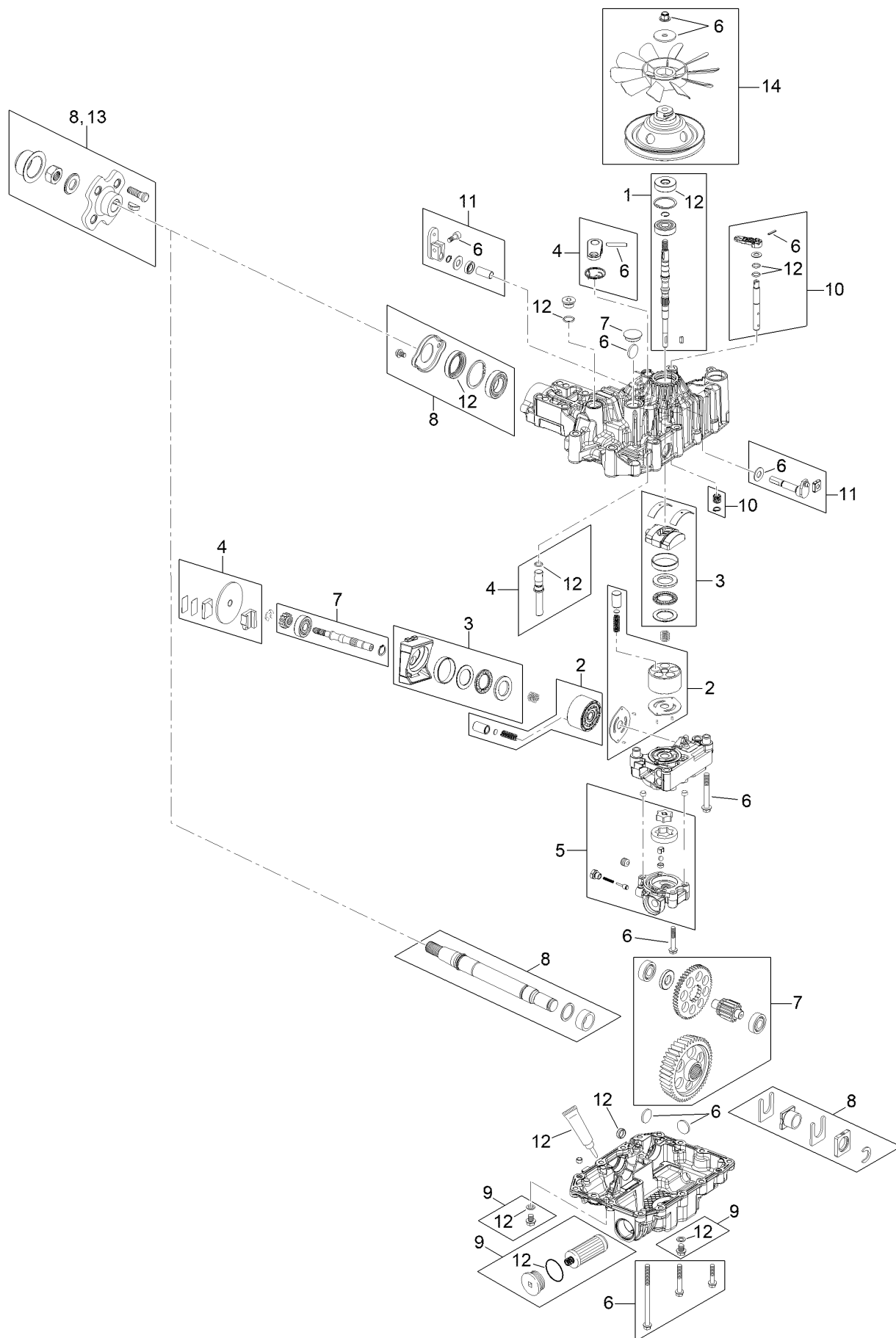
- 3**: Hub nut (shown in two locations).
- 4**: Top hub flange.
- 5**: Bottom hub flange.
- 6**: Top lock nut.
- 7**: Two O-rings (shown in two locations).
- 9**: Two C-clips (shown in two locations).
- 10**: A small pin or clip.
- 12**: A long bolt or stud.

The diagram shows the hub assembly (3, 4, 5) being mounted onto a wheel hub (6, 7, 9, 10, 12). The hub assembly is shown in two exploded positions, one above and one below the wheel hub, indicating the sequence of assembly.

Pump Idler Assembly No. 116-1255 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	43-0940	1	Spacer	8	323-8	1	Screw-HH
3	103-3504	2	Bearing-Spherical	9	32120-10	2	Ring-Snap
4	103-3505	1	Seal-Lip, Double	10	302-19	1	Fitting-Grease
5	103-3506	1	Seal-Lip, Single	11	109-8076	1	Pulley-Idler
6	109-6658	1	Nut-Flange, NI	12	132-4724	1	Pin-Anchor, Spring
7	106-7159	2	O-Ring				

LH Transmission Assembly No. 130-7890

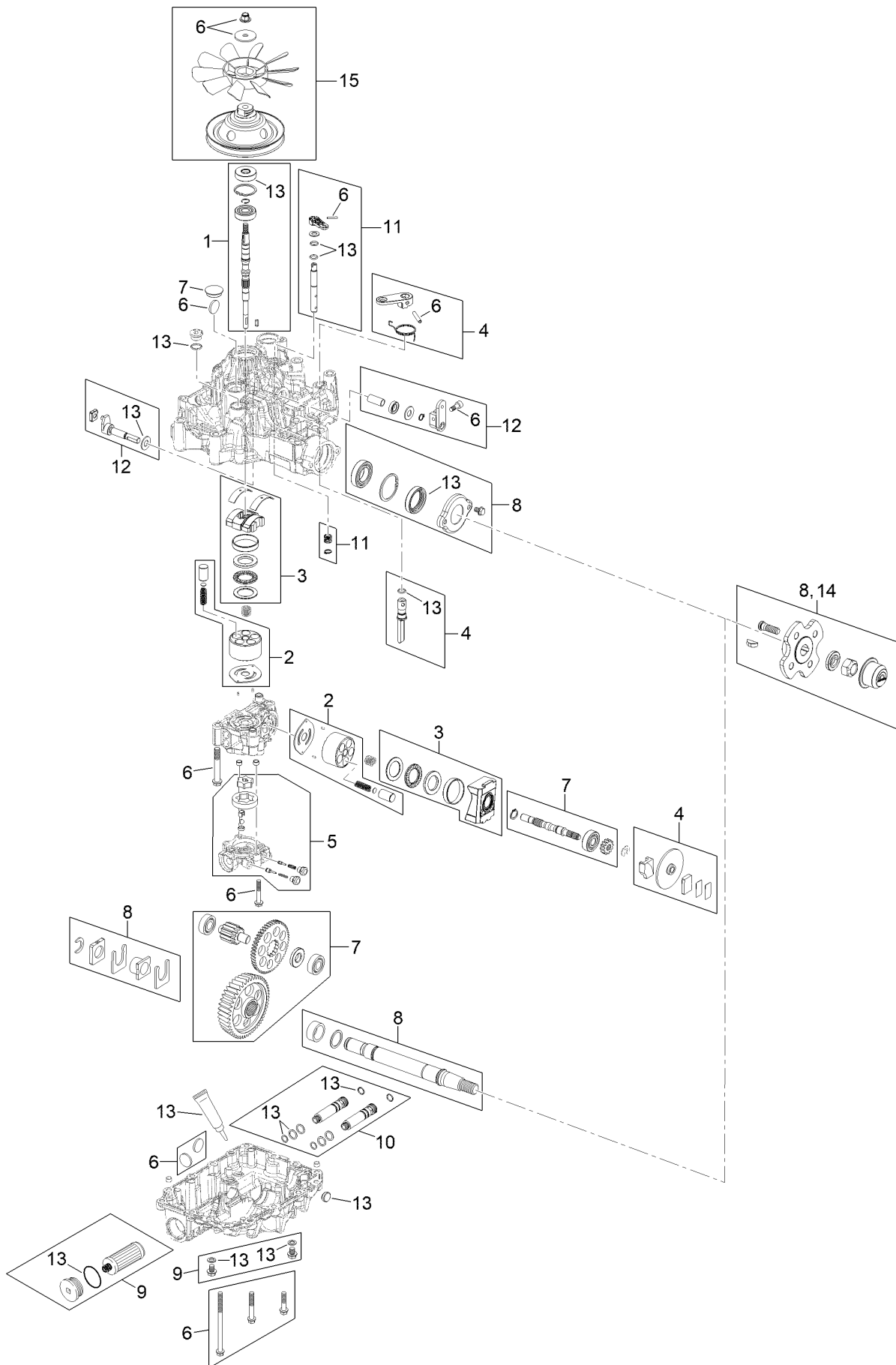


LH Transmission Assembly No. 130-7890 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-0372	1	Input Shaft Kit
2	127-0373	1	Pump/Motor Kit
3	127-0374	1	Thrust Bearing Kit
4	130-2607	1	Left Brake Kit
5	127-0376	1	LH Charge Pump Kit
6	127-0378	1	Fastener Kit
7	127-0379	1	Drive Gear Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	127-0380	1	Axle Kit
9	127-0381	1	Inner Filter Kit
10	127-0383	1	Bypass Valve Kit
11	127-0384	1	LH Trunion Kit
12	130-7888	1	Seal Kit
13	127-0387	1	Axle Hub Kit
14	127-0388	1	Pulley/Fan Kit

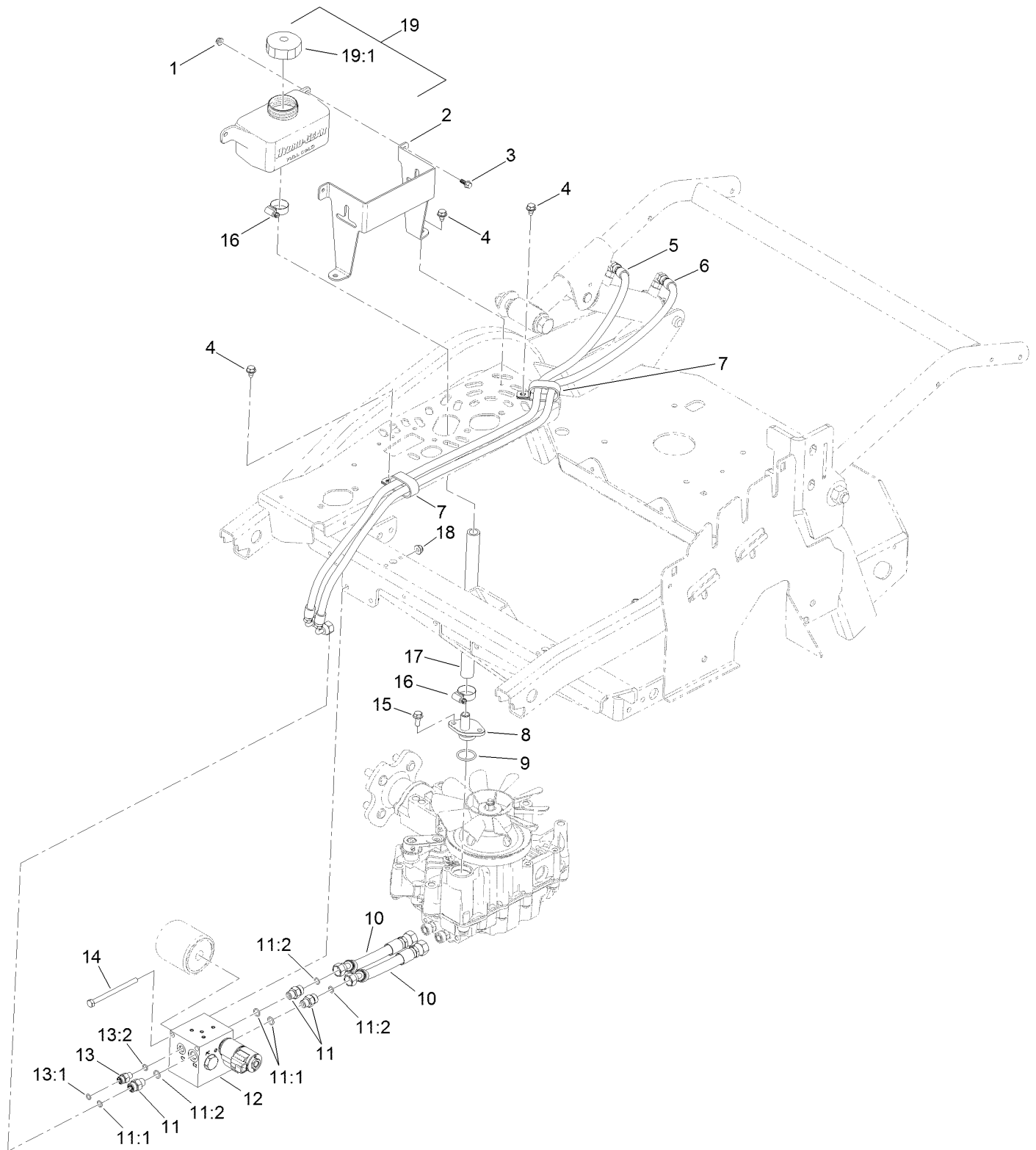
RH Transmission Assembly No. 130-7892



RH Transmission Assembly No. 130-7892 (continued)

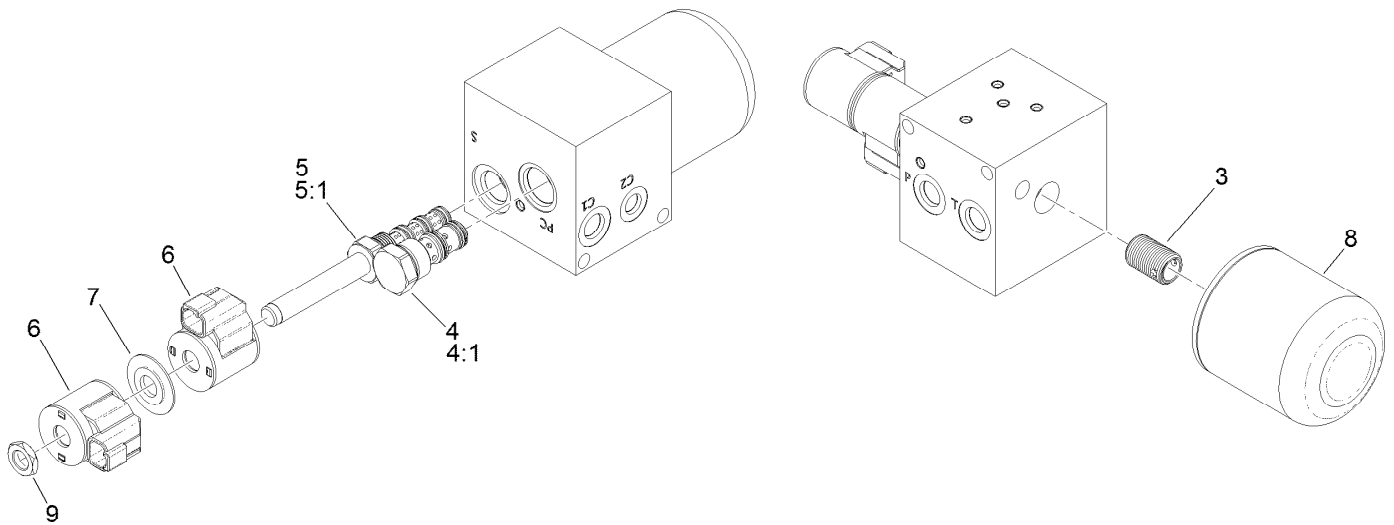
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-0372	1	Input Shaft Kit	9	127-0381	1	Inner Filter Kit
2	127-0373	1	Pump/Motor Kit	10	127-0382	1	Auxiliary Port Kit
3	127-0374	1	Thrust Bearing Kit	11	127-0383	1	Bypass Valve Kit
4	127-0375	1	Right Brake Kit	12	127-0385	1	RH Trunion Kit
5	127-0377	1	RH Charge Pump Kit	13	130-7888	1	Seal Kit
6	127-0378	1	Fastener Kit	14	127-0387	1	Axle Hub Kit
7	127-0379	1	Drive Gear Kit	15	127-0388	1	Pulley/Fan Kit
8	127-0380	1	Axle Kit				

Hydraulic Tank Assembly



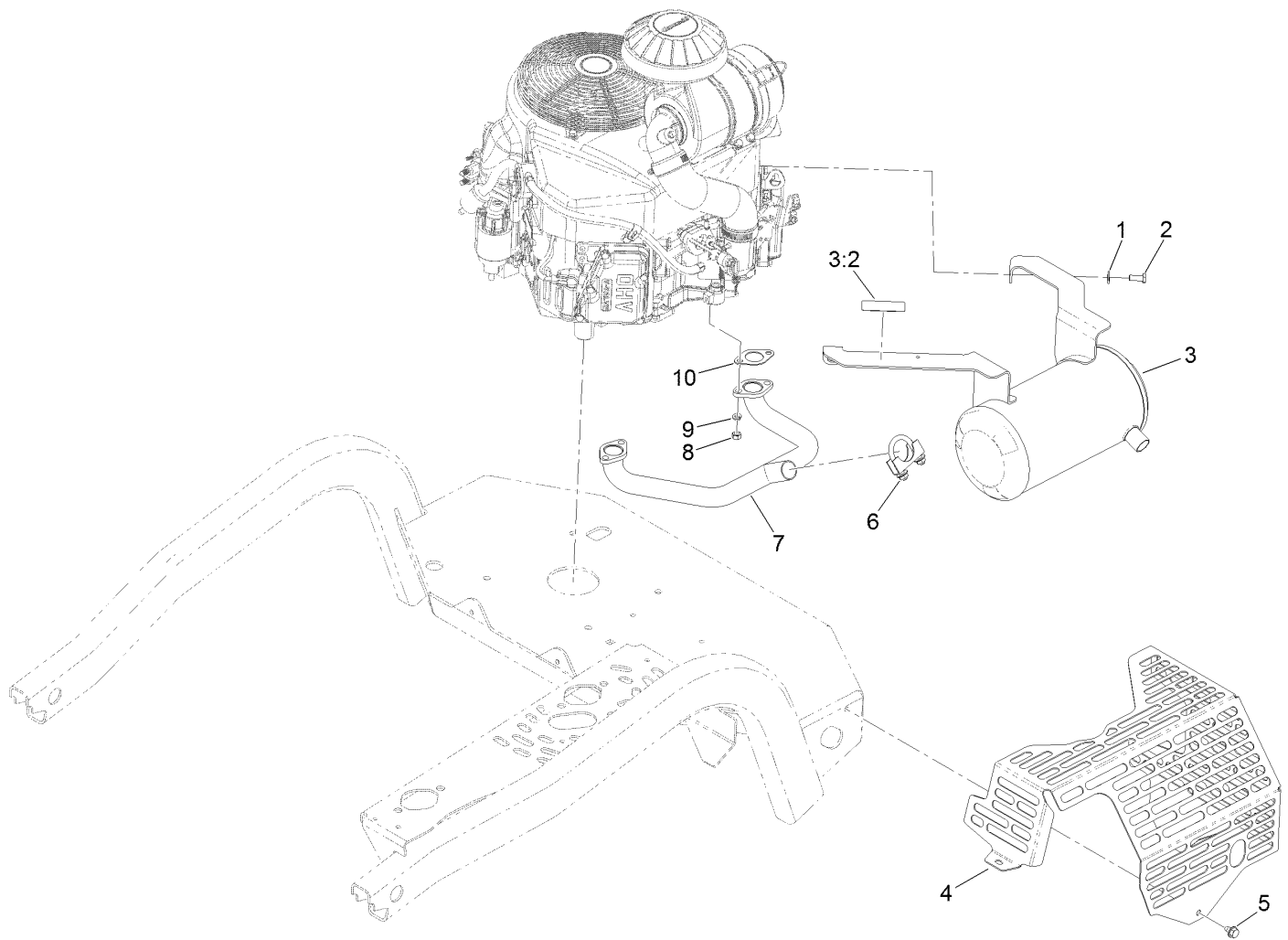
Hydraulic Tank Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-7201	4	Nut-HF, NI	12	127-7858	1	Hydraulic Manifold ASM (With Filter)
2	125-2438-03	2	Bracket-Tank	13	340-92	1	Fitting-Straight
3	99-6810	4	Screw-HHF	13:1	237-78	1	O-Ring
4	9266934	6	Screw	13:2	237-21	1	O-Ring
5	125-5124	1	HYD Hose ASM	14	322-38	2	Screw-HH
6	125-5125	1	HYD Hose ASM	15	98-7977	2	Screw-HHF
7	2412-137	2	Clamp-R, Double	16	2412-129	4	Clamp-Hose
8	125-2449	2	Fitting-Hydro	17	127-0368	2	Hose-Push Lok
9	130-2615	2	O-Ring	18	104-8300	2	Nut-HF, NI
10	127-7877	2	HYD Hose ASM	19	119-9908	2	Hydraulic Reservoir ASM
11	340-2	3	Fitting-Straight	19:1	109-3320	1	Cap-Reservoir, HYD
11:1	237-22	1	O-Ring				
11:2	237-42	1	O-Ring				



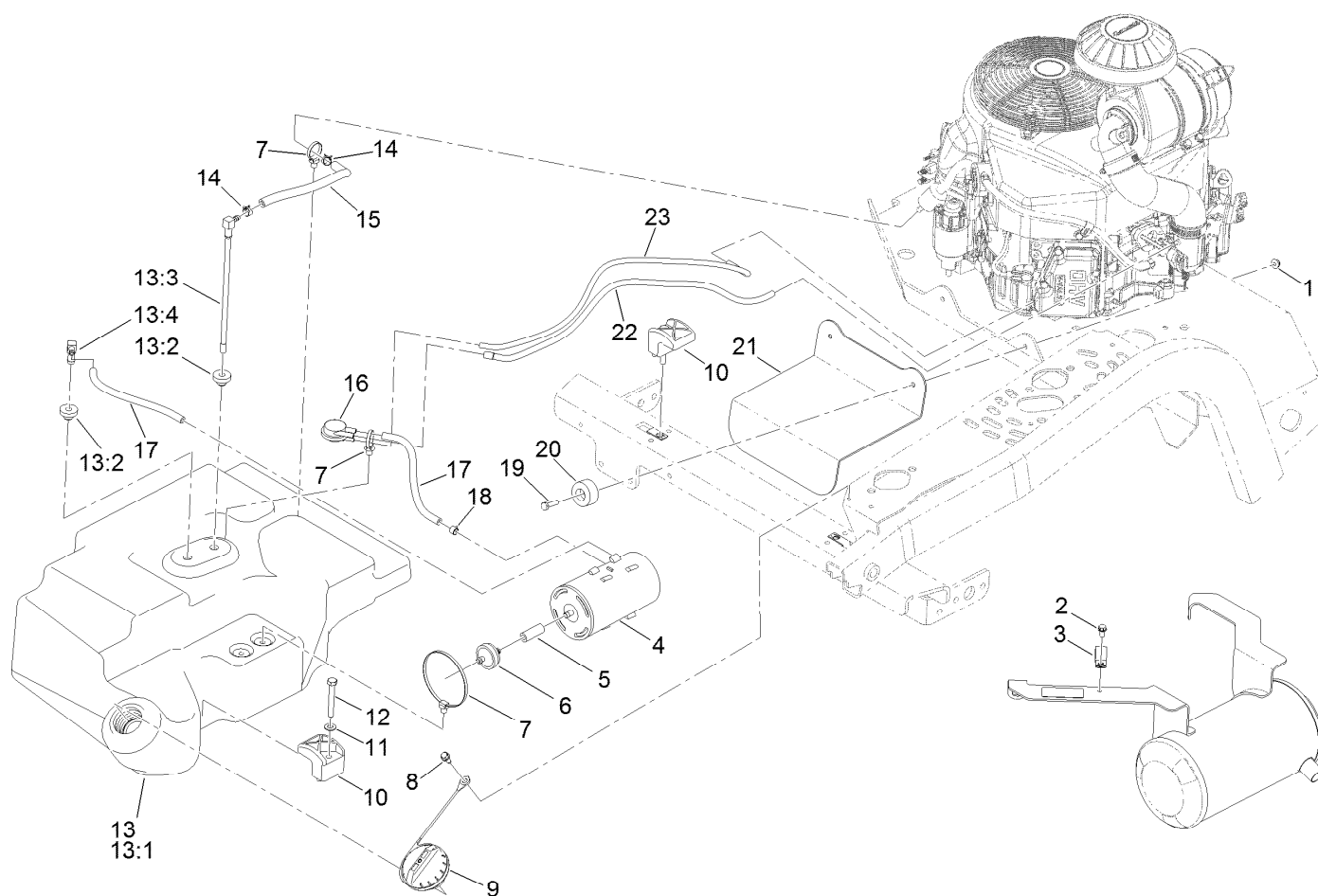
Hydraulic Manifold Assembly No. 127-7858

Ref.	Part Number	Qty.	Description
3	127-3885	1	Nipple-Filter
4	127-3884	1	Valve-Check
4:1	105-9154	1	Seal Kit
5	127-3883	1	Valve-Solenoid
5:1	112-6520	1	Seal Kit
6	119-8036	2	Coil
7	120-2586	1	Spacer-Coil
8	114-3494	1	Element-Filter, 25 Micron
9	110-2634	1	Nut-Coil



Exhaust Assembly

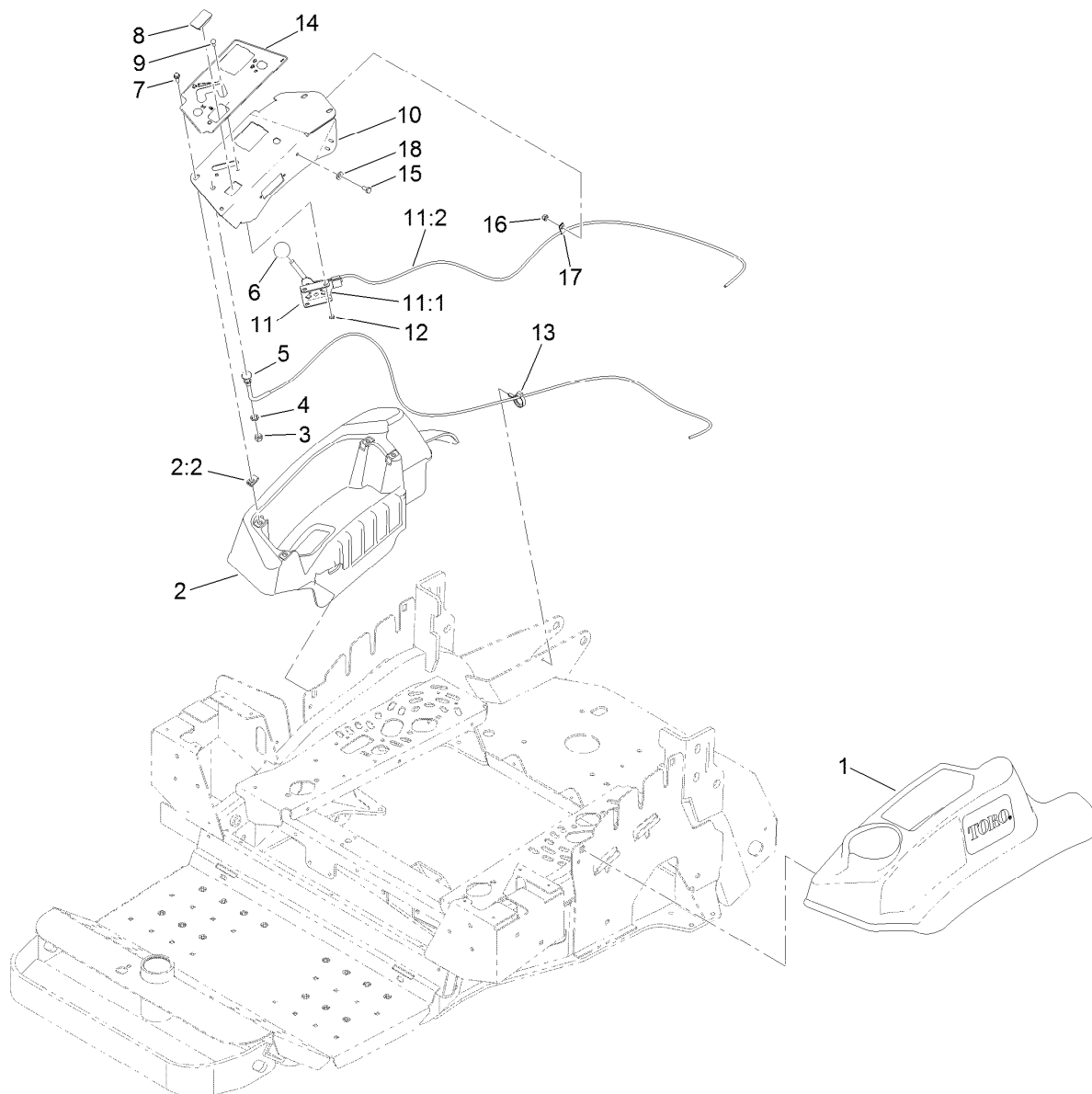
Ref.	Part Number	Qty.	Description
1	1-303334	2	Washer-Spring
2	33114-020	2	Screw-HH
3	127-7889	1	Muffler ASM
3:2	127-0392	1	Decal-Hot Surface
4	127-0367-03	1	Shield-Muffler
5	9266934	2	Screw
6	104-4090	1	Clamp-Muffler
7	125-2401	1	Manifold-Exhaust
8	114-3549	4	Nut
9	114-3550	4	Washer-Lock
10	1-653313	2	Gasket-Exhaust



Fuel Tank and Emissions Recovery Assembly

Ref.	Part Number	Qty.	Description
1	104-7201	2	Nut-HF, NI
2	32144-4	1	Screw-HWH
3	2412-105	1	Clamp-Tube, Double
4	127-8685	1	Canister-Carbon
5	106-5317	1	Hose-Fuel
6	115-7854	1	Filter-Fuel, Inline
7	32180-118	4	Clip-Tie
8	32144-10	1	Screw-HWH
9	117-1722	1	Cap-Fuel
10	107-4543	2	Clamp
11	3256-23	2	Washer-Plain
12	33114-060	2	Screw-HH
13	127-0397	1	Fuel Tank ASM
13:1	125-0236	1	Tank-Fuel

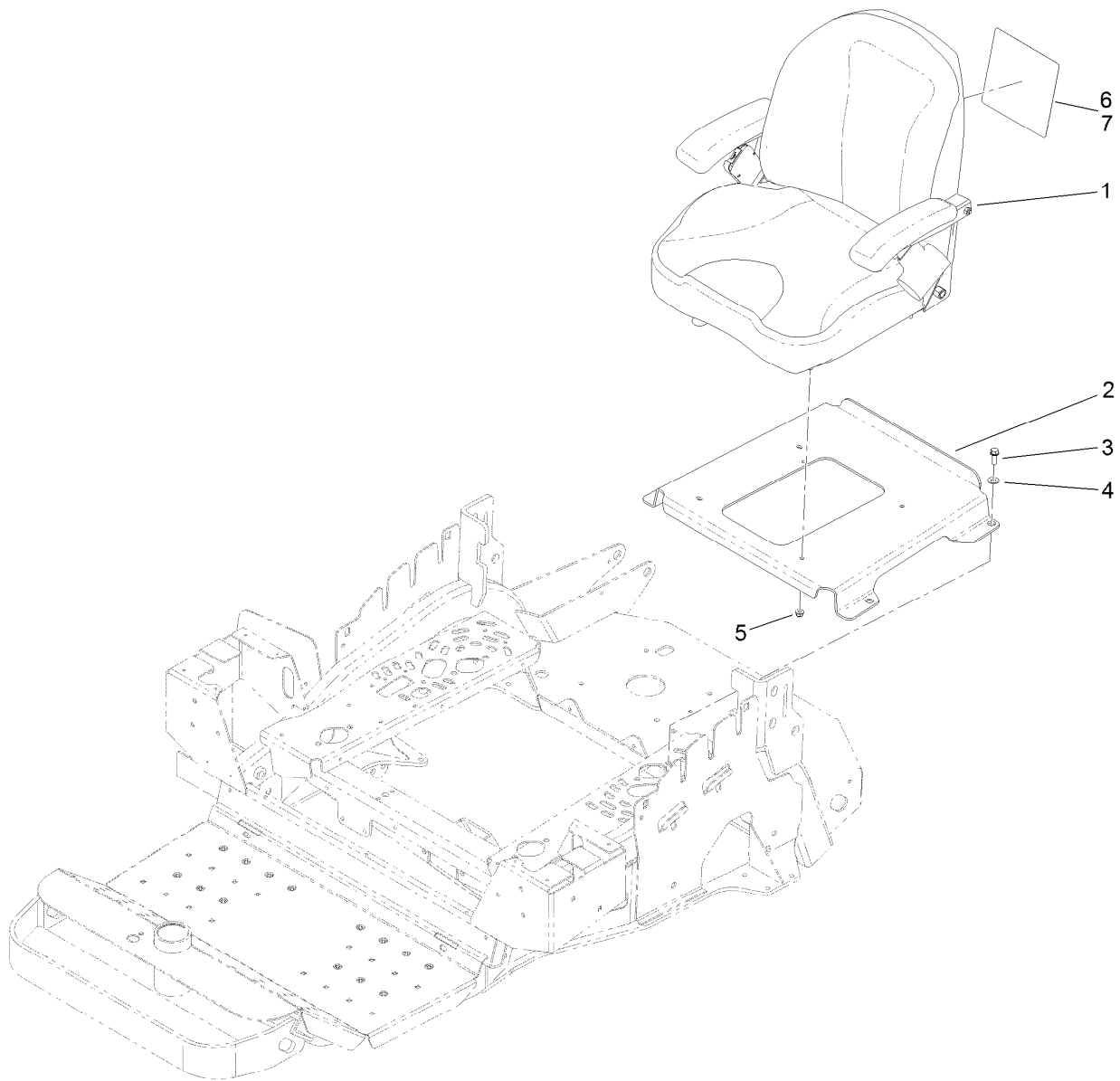
Ref.	Part Number	Qty.	Description
13:2	46-6560	2	Bushing
13:3	119-8584	1	Fitting-Fuel (W/Line And Screen)
13:4	116-2288	1	Fitting-Elbow, 90 DEG
14	2412-98	2	Clamp-Hose
15	110-3447	1	Hose-Fuel
16	116-2232	1	Valve-Control, Vacuum
17	68-3633	2	Hose-Fuel
18	2412-80	1	Clamp-Hose
19	321-6	2	Screw-HH
20	94-4548	2	Bumper-Recessed
21	125-6426-01	1	Bracket-Mount, Tank
22	125-6485	1	Hose-Vent, Formed
23	125-6484	1	Hose-Vent, Formed



Engine Controls and Console Assembly

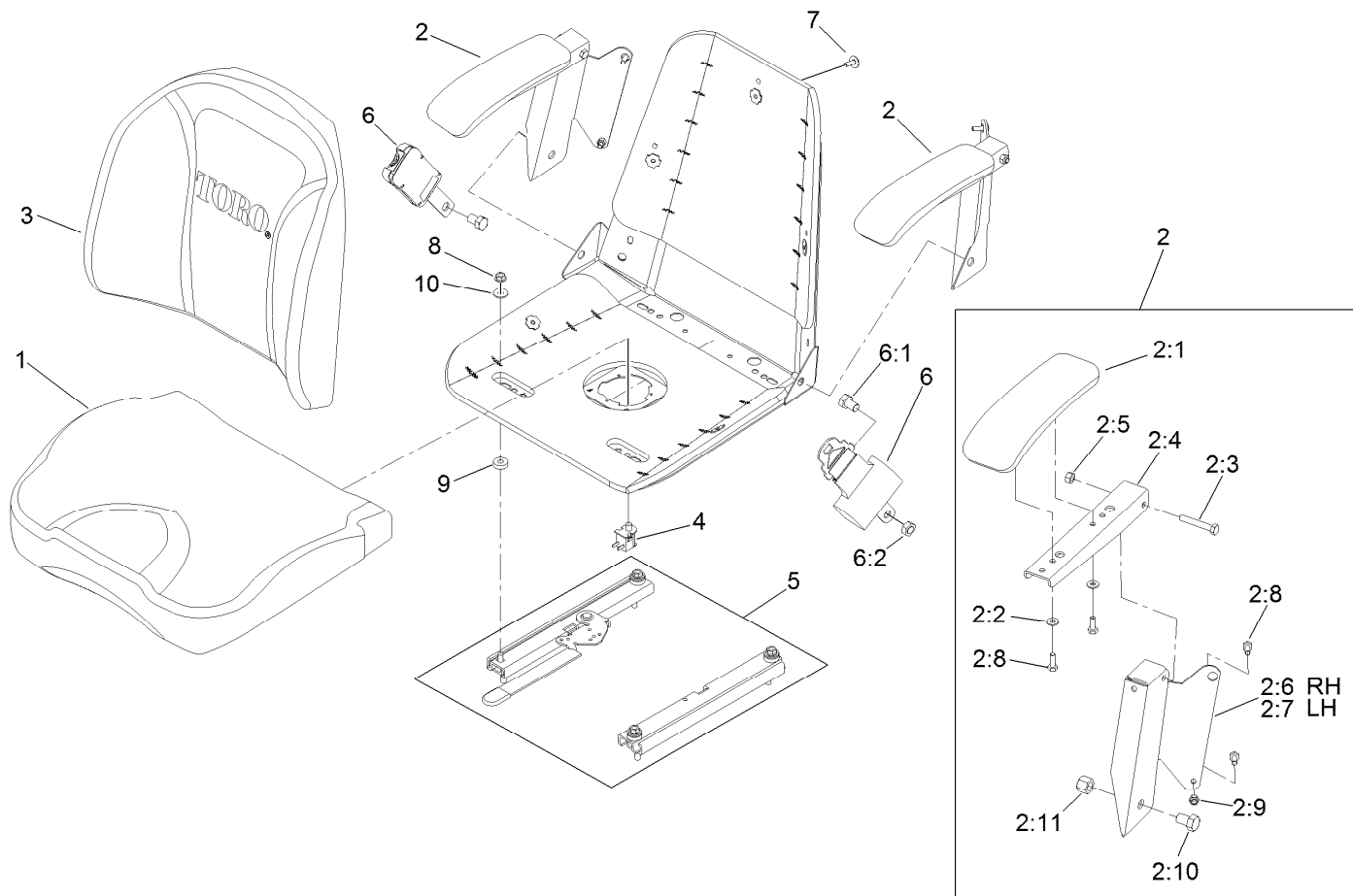
Ref.	Part Number	Qty.	Description
1	119-2602	1	Console-LH
2	119-2603	1	RH Console ASM
2:2	107069	4	Clip
3	3219-3	1	Nut-Hex
4	3254-6	1	Washer-Lock, Internal
5	115-2753	1	Control-Choke
6	1-603175	1	Knob-Ball
7	32105-15	4	Screw-HWH
8	99-7420	1	Plug-Hole
9	3229-34	2	Screw-CARR
10	125-0213-03	1	Panel-Control

Ref.	Part Number	Qty.	Description
11	110-5727	1	Throttle Control ASM
11:1	112-2334	1	Lever-Throttle
11:2	110-5728	1	Cable-Throttle
12	3296-2	2	Nut-Lock, NI
13	105-1853	1	Clamp-Hose
14	125-0214	1	Decal-Panel, Control
15	321-3	1	Screw-HH
16	3296-42	1	Nut-Lock, NI
17	2412-72	1	Clip-Closed, Insulated
18	3256-22	1	Washer-Flat



Seat Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-7886	1	Seat
2	127-4118-03	1	Plate-Support, Seat
3	3234-29	4	Screw-HHF
4	3256-3	4	Washer-Flat
5	104-8300	4	Nut-HF, NI
6	127-0371	1	Decal-Service
7	130-2620	1	Decal-Service, CE

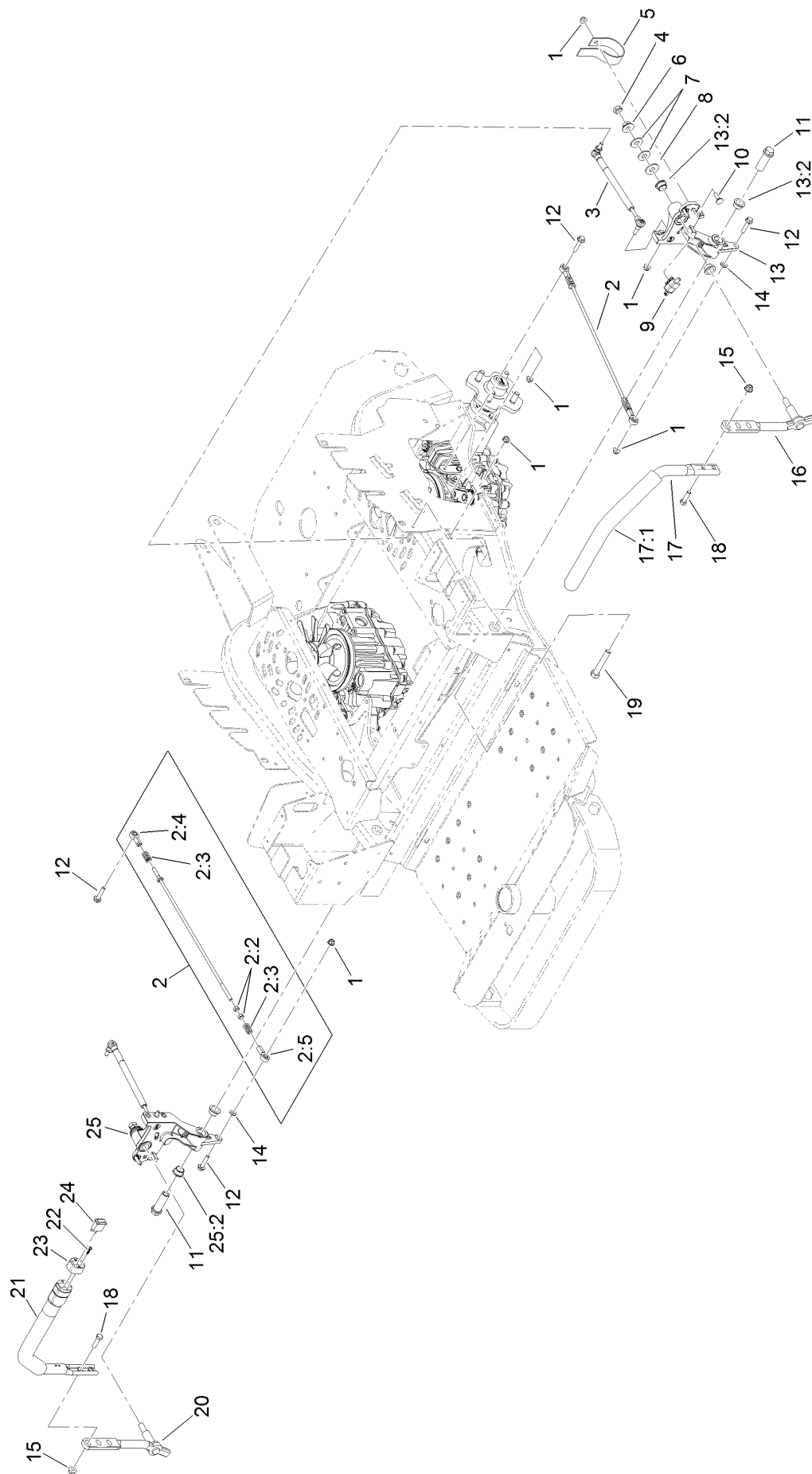


Seat Assembly No. 120-7886

Ref.	Part Number	Qty.	Description
1	121-4751	1	Cushion-Seat, Bottom
2	110-5719	1	Armrest Kit
2:1	110-4163	2	Cushion-Rest, Arm
2:2	3256-22	4	Washer-Flat
2:3	322-10	2	Screw-HH
2:4	105-3623	2	Channel-Armrest
2:5	32153-3	2	Nut-Hex, Side Deform
2:6	105-3621	1	Bracket-Armrest, RH
2:7	105-3622	1	Bracket-Armrest, LH
2:8	321-30	8	Screw-HH
2:9	3296-42	4	Nut-Lock, NI
2:10	325-2	2	Screw-HH

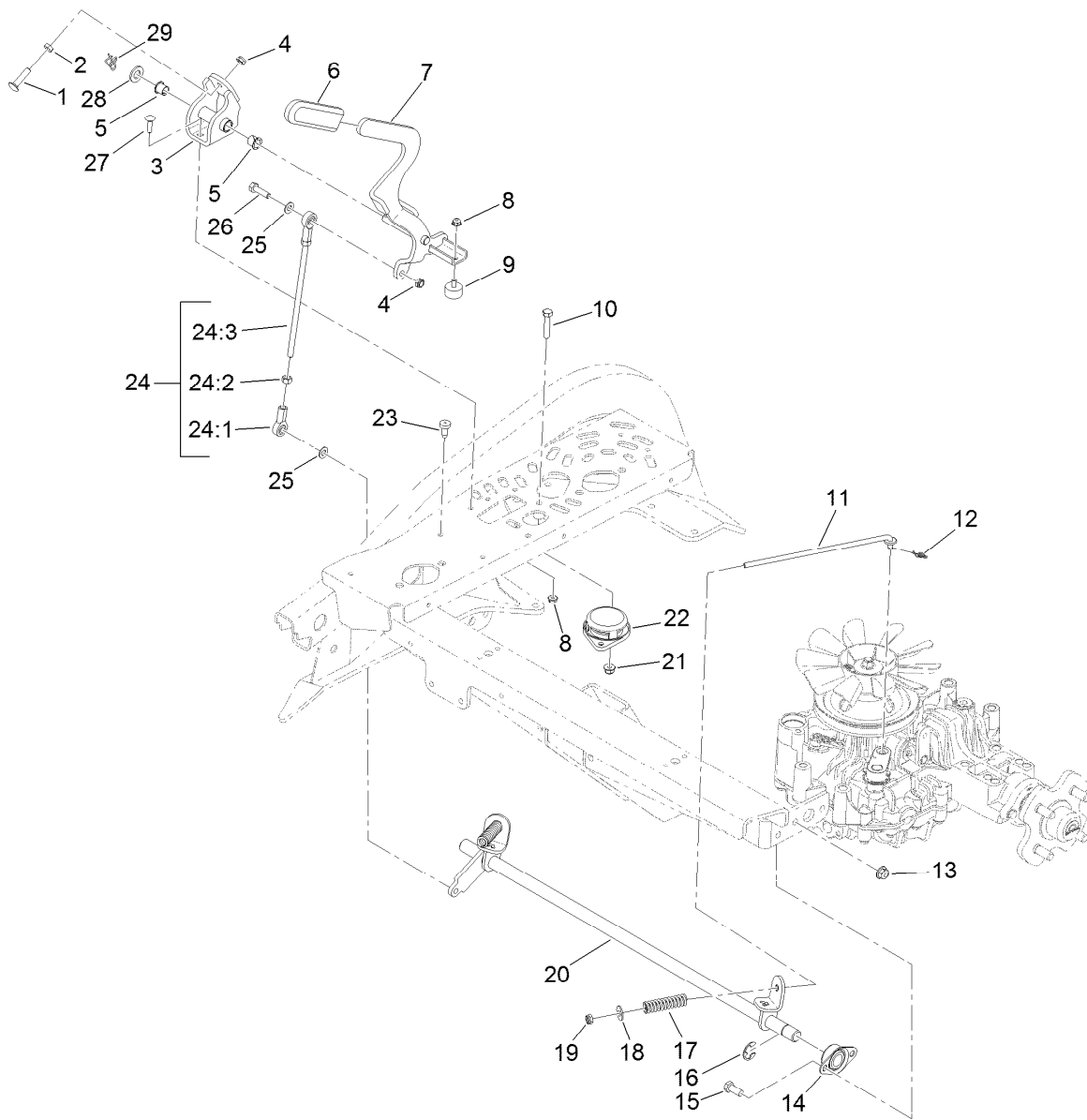
Ref.	Part Number	Qty.	Description
2:11	3296-23	2	Nut-Lock, NI
3	121-4752	1	Cushion-Seat, Back
4	82-2190	1	Switch-Bail
5	121-4754	1	Track-Seat
6	116-2981	1	Seat Belt Kit
6:1	325-2	2	Screw-HH
6:2	3296-23	2	Nut-Lock, NI
7	103-8383	7	Bolt-Seat
8	32128-20	4	Nut-HF
9	26-4840	8	Spacer-Pin, Mounting
10	3256-3	6	Washer-Flat

Motion Control Assembly



Motion Control Assembly (continued)

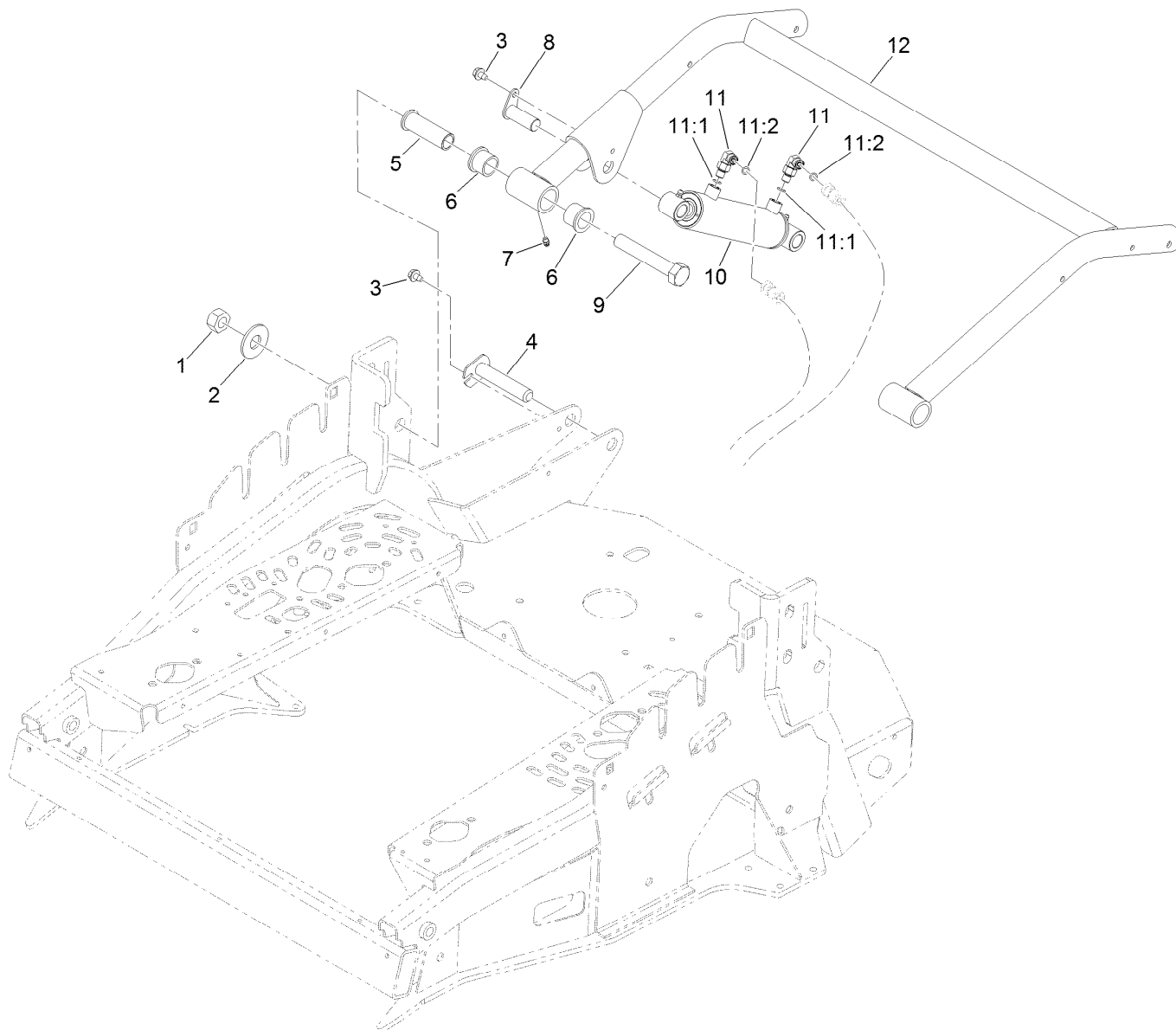
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-8300	10	Nut-HF, NI	13:2	109-8054	4	Bushing-Flange
2	109-8107	2	Pump Linkage Rear ASM	14	3256-23	2	Washer-Plain
2:2	3219-2	2	Nut-Hex	15	104-8301	4	Nut-HF, NI
2:3	1-323245	2	Spring-Compression	16	116-0040	1	Lever-Control Motion, LH
2:4	1-633152	1	Balljoint-LH	17	109-6590	1	LH Steering Handle ASM
2:5	1-543017	1	Balljoint-RH	17:1	109-5668	1	Grip-Lever, Control
3	116-0027	2	Damper-Control, Motion	18	323-7	4	Screw-HH
4	3218-5	2	Nut-Jam	19	325-12	2	Screw-HH
5	109-5575	2	Spring-Leaf	20	116-0039	1	Lever-Control Motion, RH
6	32128-56	2	Nut-HF	21	127-0350	1	RH Steering Handle ASM
7	109-9505	4	Washer-Spring	22	94-4496	2	Screw-PPH
8	3256-6	2	Washer-Flat	23	121-3399	1	Cap-Switch
9	110-6765	2	Switch	24	121-6574	1	Switch, Spst (On)-Off-(On)
10	3230-2	2	Bolt-CARR	25	116-0880	1	RH Motion Control And Bushing ASM
11	109-5891	2	Hub-Threaded				
12	115-1794	4	Screw-HHF	25:2	109-8054	4	Bushing-Flange
13	116-0881	1	LH Motion Control And Bushing ASM				



Brake Installation Assembly

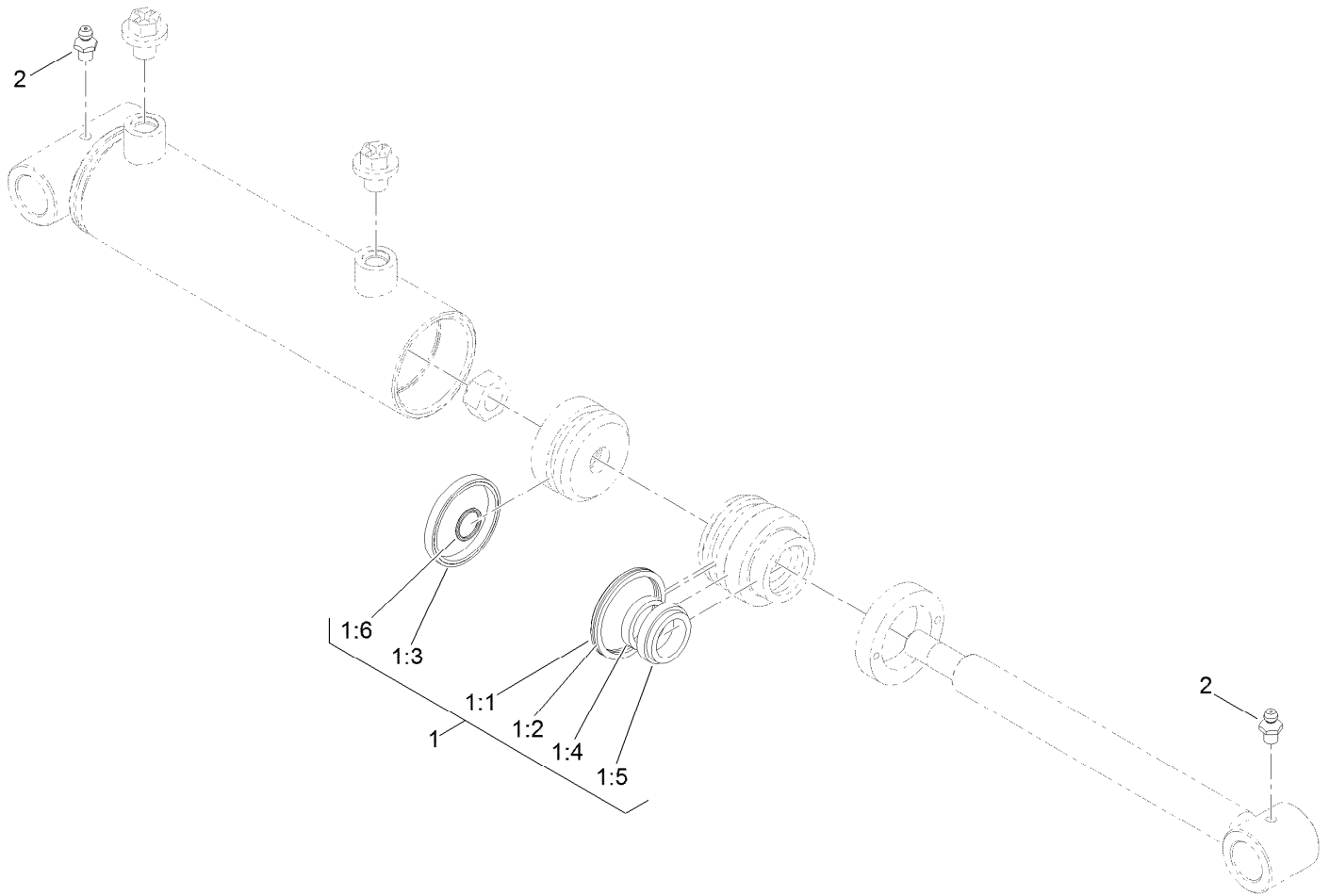
Ref.	Part Number	Qty.	Description
1	112-6950	1	Screw-CARR
2	3218-2	1	Nut-Hex Jam
3	121-8148-03	1	Bracket-Handle, Brake
4	3296-47	3	Nut-Lock, NI
5	256-257	2	Bushing-Nyliner
6	1-633268	1	Grip-Lever
7	125-0201-03	1	Handle-Brake
8	104-7201	3	Nut-HF, NI
9	240-14	1	Bumper-Rubber
10	322-8	2	Screw-HH
11	125-2351	2	Rod
12	116-6639	2	Pin-Cotter, Locking
13	104-8301	4	Nut-HF, NI
14	1-633102	2	Bearing-Flange, Side
15	323-5	4	Screw-HH
16	32151-48	1	E-Ring

Ref.	Part Number	Qty.	Description
17	130-7874	2	Spring-Compression
18	3256-3	2	Washer-Flat
19	3296-20	2	Nut-Lock, NI
20	125-0209-03	1	Shaft-Brake
21	104-8300	2	Nut-HF, NI
22	92-6282	1	Switch-Seat
23	87-8460	1	Bumper-Rubber
24	125-0202	1	Rod-Adjustment
24:1	1-543017	2	Balljoint-RH
24:2	3219-2	2	Nut-Hex
24:3	127-7857	1	Rod-Brake
25	3256-23	3	Washer-Plain
26	322-16	2	Screw-HH
27	3229-2	2	Screw-CARR
28	106-9888	1	Washer-Flat
29	112-1491	1	Pin-Cotter



Lift Valve Installation Assembly

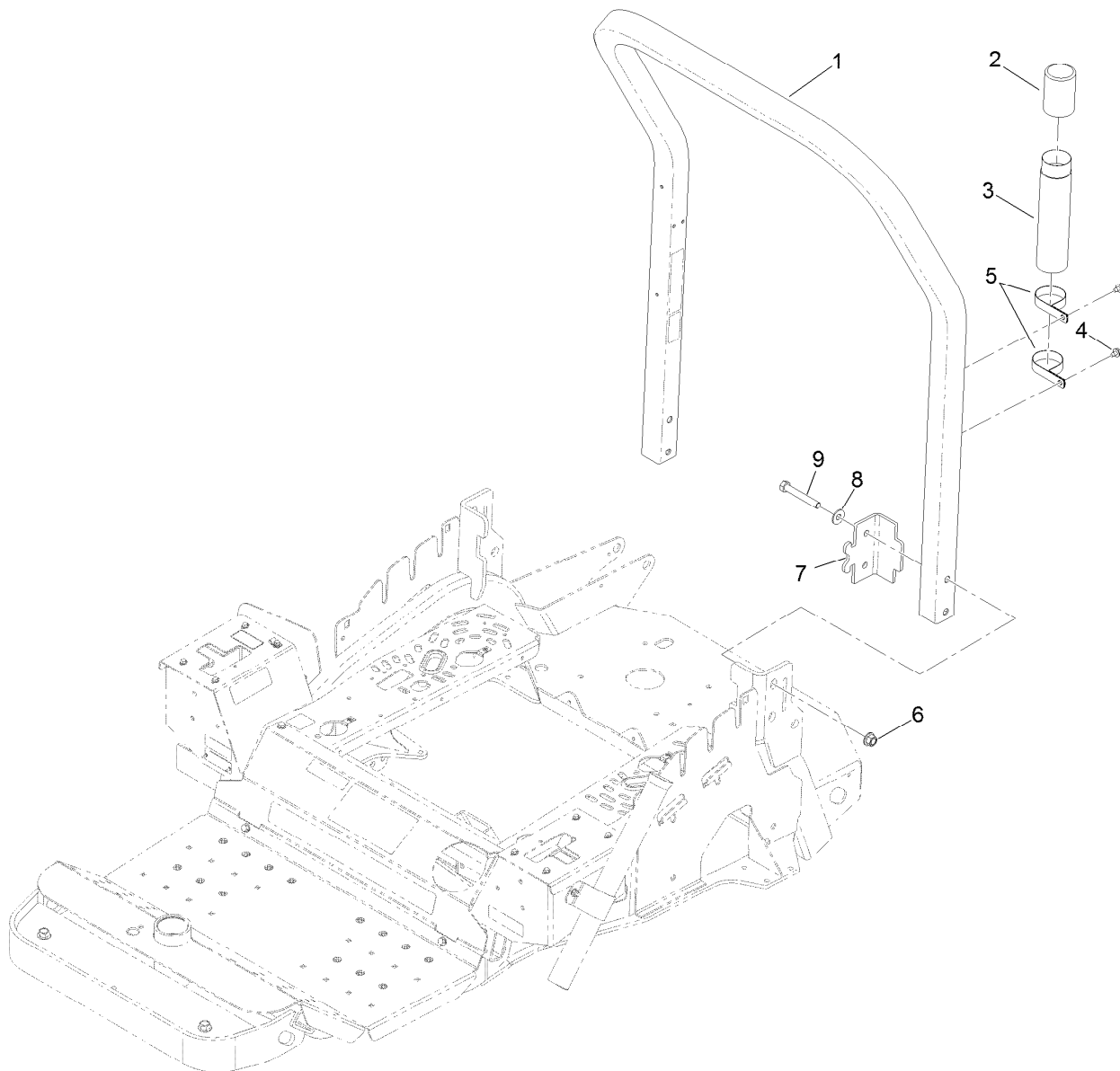
Ref.	Part Number	Qty.	Description
1	120-7252	2	Nut-Lock
2	3256-8	2	Washer-Flat
3	9266934	2	Screw
4	120-3199	1	Pin-Pivot
5	125-2445	2	Sleeve-Pivot
6	94-8949	4	Bushing-Flange
7	302-5	2	Fitting-Grease
8	108-2905	1	Pin ASM
9	328-8	2	Screw-HH
10	125-6466	1	HYD Cylinder ASM
11	340-132	2	Fitting-Elbow, 90 DEG
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	125-2441-03	1	Lift-Groomer



Hydraulic Cylinder Assembly No. 125-6466

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-3880	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Seal-Back Up ●
1:3		1	Psp Seal ●
1:4		1	Bt Seal ●
1:5		1	Dust Seal ●
1:6		1	O-Ring ●
2	302-5	2	Fitting-Grease

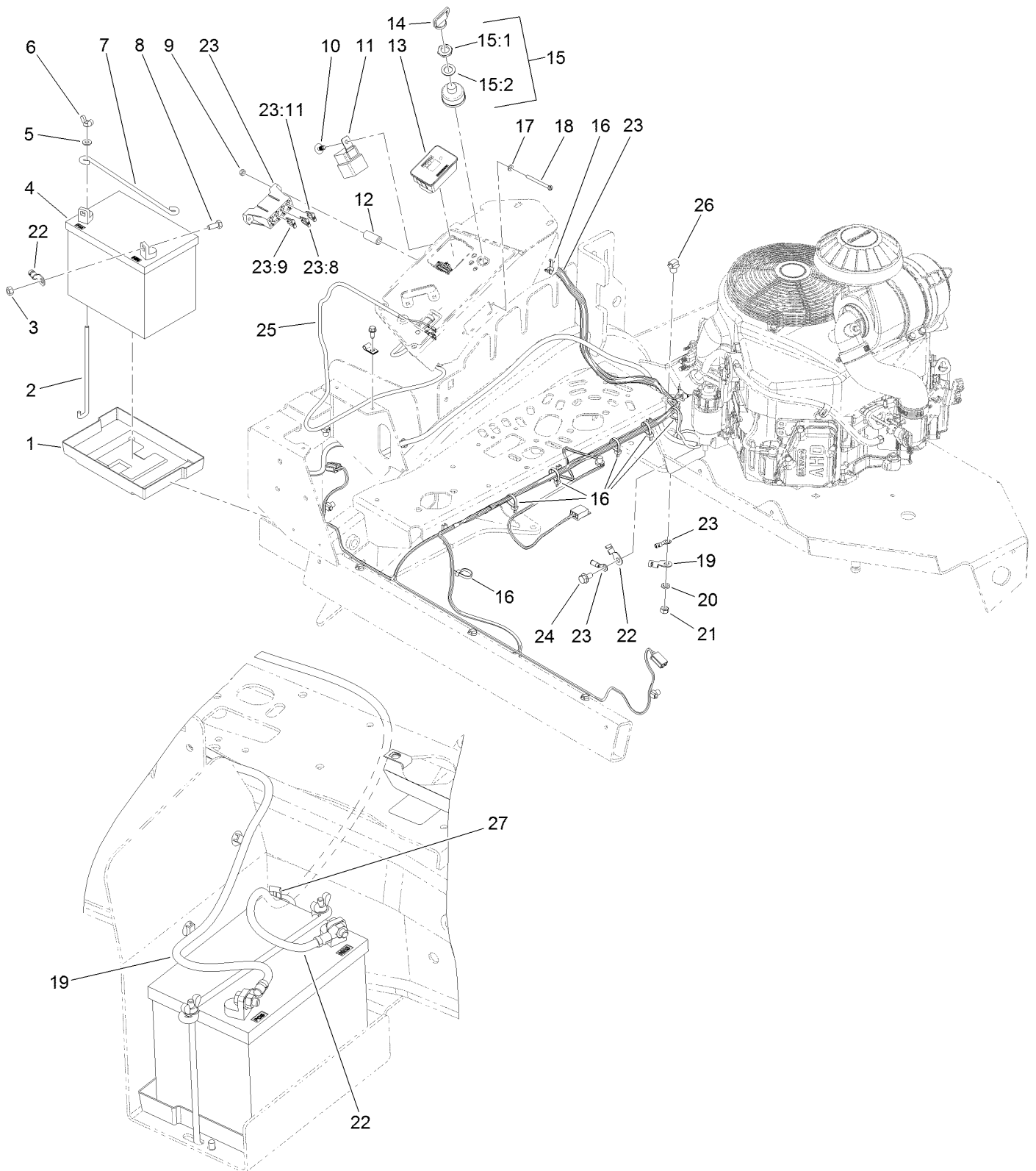
● Not serviced separately



Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	127-0398	1	ROPS ASM
2	104-7048	1	Cap-Housing
3	104-7050	1	Tube-Manual
4	9266934	2	Screw
5	2412-133	2	Clamp-R
6	99-5107	4	Nut-HF Nylock
7	125-2398-01	2	Bracket-ROPS
8	109-9505	4	Washer-Spring
9	325-14	4	Screw-HH

Battery and Electrical System Assembly



Battery Cables

Battery and Electrical System Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106948	1	Tray-Battery	15:2	3254-5	1	Washer-Lock
2	100-6435	2	Post-Battery	16	3290-379	7	Tie-Cable
3	3217-6	2	Nut-Hex	17	120-9680	2	Washer-Flat
4	99-7421	1	Battery- Wet, 12V, 300 CCA	18	32105-14	2	Screw-SHH
5	3256-22	2	Washer-Flat	19	122-0143	1	Cable-Battery, Positive
6	32103-22	2	Nut-Wing	20	3253-4	1	Washer-Lock
7	100-6434	1	Rod-Hold Down, Battery	21	3218-13	1	Nut-Jam, Brass
8	322-3	2	Screw-HH	22	122-0085	1	Cable-Battery, Negative
9	3296-2	2	Nut-Lock, NI	23	121-6559	1	Harness-Wire, 2040Z
10	104-0395	2	Plug-Plastic	23:8	109102	1	Fuse-Blade, 25 Amp
11	99-7430	2	Relay-Mini	23:9	218-578	1	Fuse-Blade, 10 Amp
12	103-0384	2	Spacer	23:11	109101	1	Fuse-Blade, 20 Amp
13	147-3651	1	Module ASM	24	33104-016	1	Screw-HHF
14	63-8360	2	Key-Ignition	25	121-8893	1	Harness-Handle, Control
15	83-0020	1	Switch-Ignition	26	32180-030	1	Clip-Tie
15:1	218-461	1	Nut-HH	27	32180-078	1	Clip-Edge

Attachments and Accessories

For 08706 — Sand Pro 2040Z Traction Unit

Product Name	Model/Part
Flex Tooth Rake.....	08716
Nail Drag.....	08717
Finish Drag	08718
Broom Finishing Kit.....	08719
Speed Limiter Kit	08720
Light Kit.....	08721
400 Hour Maintenance Kit	08725
Spark Arrestor Screen	104-6540
Premium Transmission/Hydraulic Tractor Fluid (55 Gallon Drum).....	108-1183
Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail)	108-1184
Premium All Purpose Grease (Tube)	108-1190
Air Filter	108-3811
Bimini Folding Shade Assembly	115-4510
Fuel Stabilizer (4oz).....	117-0089
Fuel Stabilizer (16oz).....	117-0090
Oil Filter	119-5852
Fuel Filter.....	121-4570
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
Tire Assembly	125-6462
Seat Isolation Kit.....	125-6469
Bag Kit.....	127-0359
Rubber Trowel Kit	130-2629
Rake Holder Kit.....	130-7876
Speed Plate Kit.....	130-7877
Spark Plug	92-2153
Filter Minder Gauge	99-4664

Notes:



Count on it.