Form No. 3428-322 Rev A

TORO®

Count on it.

Parts Catalog

Commercial Walk-Behind Mower

Fixed Deck, T-Bar, Gear Drive with 48in TURBO FORCE® Cutting Unit

Model No. 39678—Serial No. 404324200 and Up

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

3428-322 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.

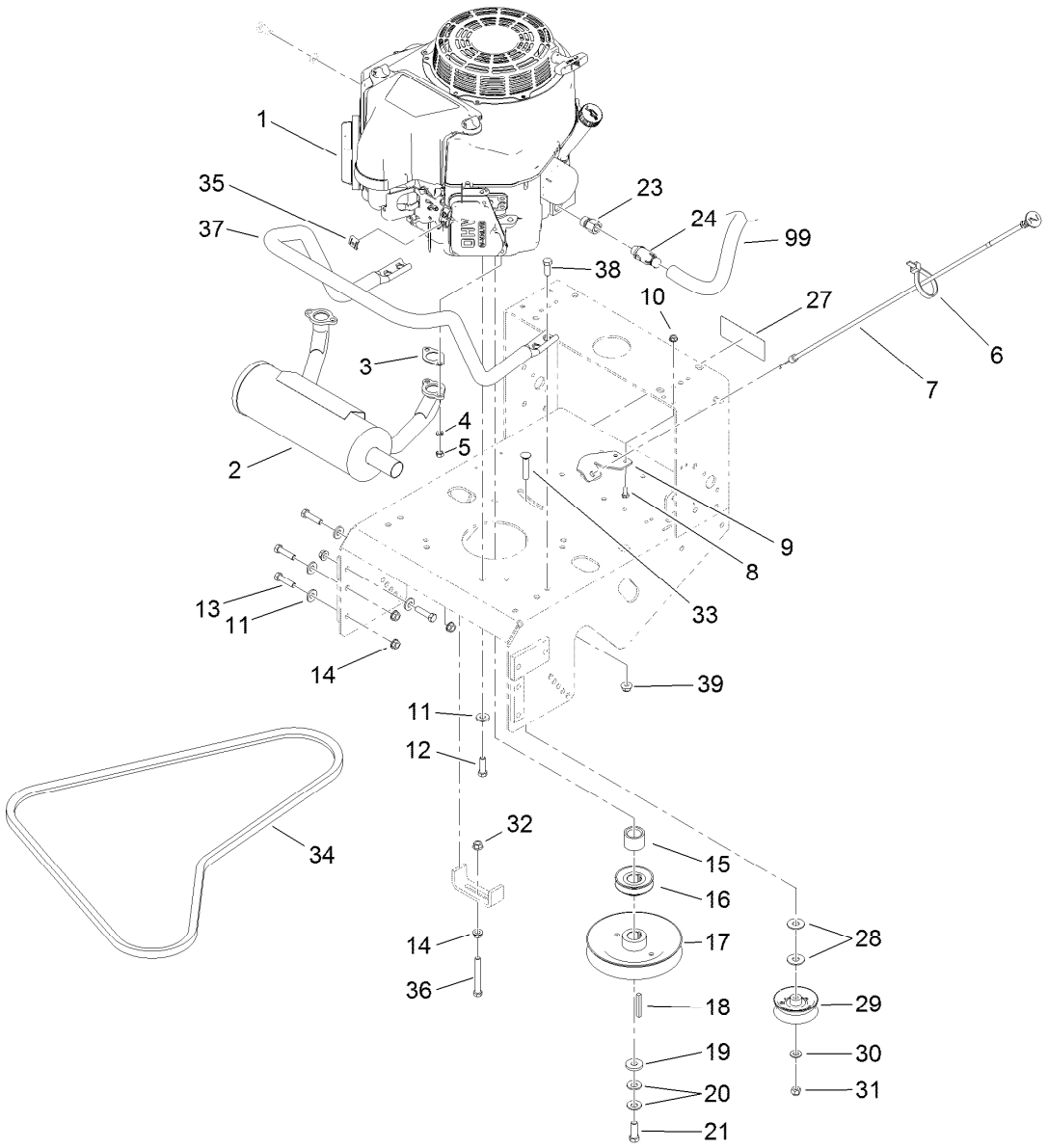
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

Contents

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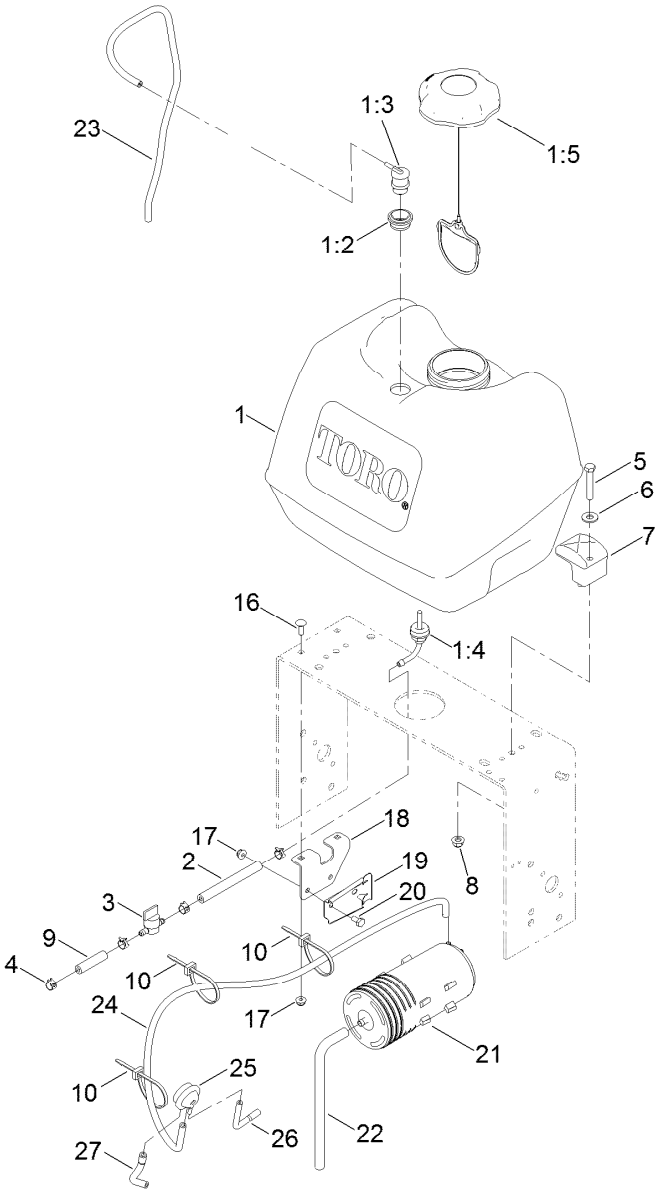
Engine and Exhaust Assembly

Ref.	Part Number	Qty.	Description
1		1	Engine-Kawasaki, Fs481V-As06 ●■
2	116-3734	1	Muffler-Horizontal, Offset
3	1-653313	2	Gasket-Exhaust
4	114-3550	4	Washer-Lock
5	114-3549	4	Nut
6	1-303287	1	Tie-Cable
7	103-1796	1	Cable-Choke
8	321-3	2	Screw-HH
9	103-1797-01	1	Bracket-Cable, Choke
10	32128-33	2	Nut-HF
11	98-5975	12	Washer-Belleville
12	323-7	4	Screw-HH
13	323-8	8	Screw-HH
14	3290-357	9	Nut-HHF, Whiz
15	1-633453	1	Spacer-Clutch
16	103-1666	1	Sheave-Transmission
17	110-4890	1	Pulley ASM
18	103-4177	1	Key

Ref.	Part Number	Qty.	Description
19	1-373034	1	Washer
20	1-603610	2	Washer-Spring
21	116-3702	1	Screw-HH
23	103-1966	1	Adapter
24	120-4321	1	Valve-Drain, Oil
27	126-1400	1	Decal-Warning, Sulky
28	3256-5	2	Washer-Flat
29	130-8362	1	Pulley-Idler, Flat
30	3256-24	1	Washer-Flat
31	3296-39	1	Nut-Lock, NI
32	32128-21	1	Nut-HF
33	3231-6	1	Screw-CARR
34	110-0543	1	Belt-V
35	81-1690	1	Clamp-Cable
36	323-14	1	Screw-HH
37	116-6278-03	1	Guard-Muffler
38	323-6	4	Screw-HH
39	104-8301	4	Nut-HF, NI
99	103-1964	1	Hose-Drain, Oil

● Not serviced separately

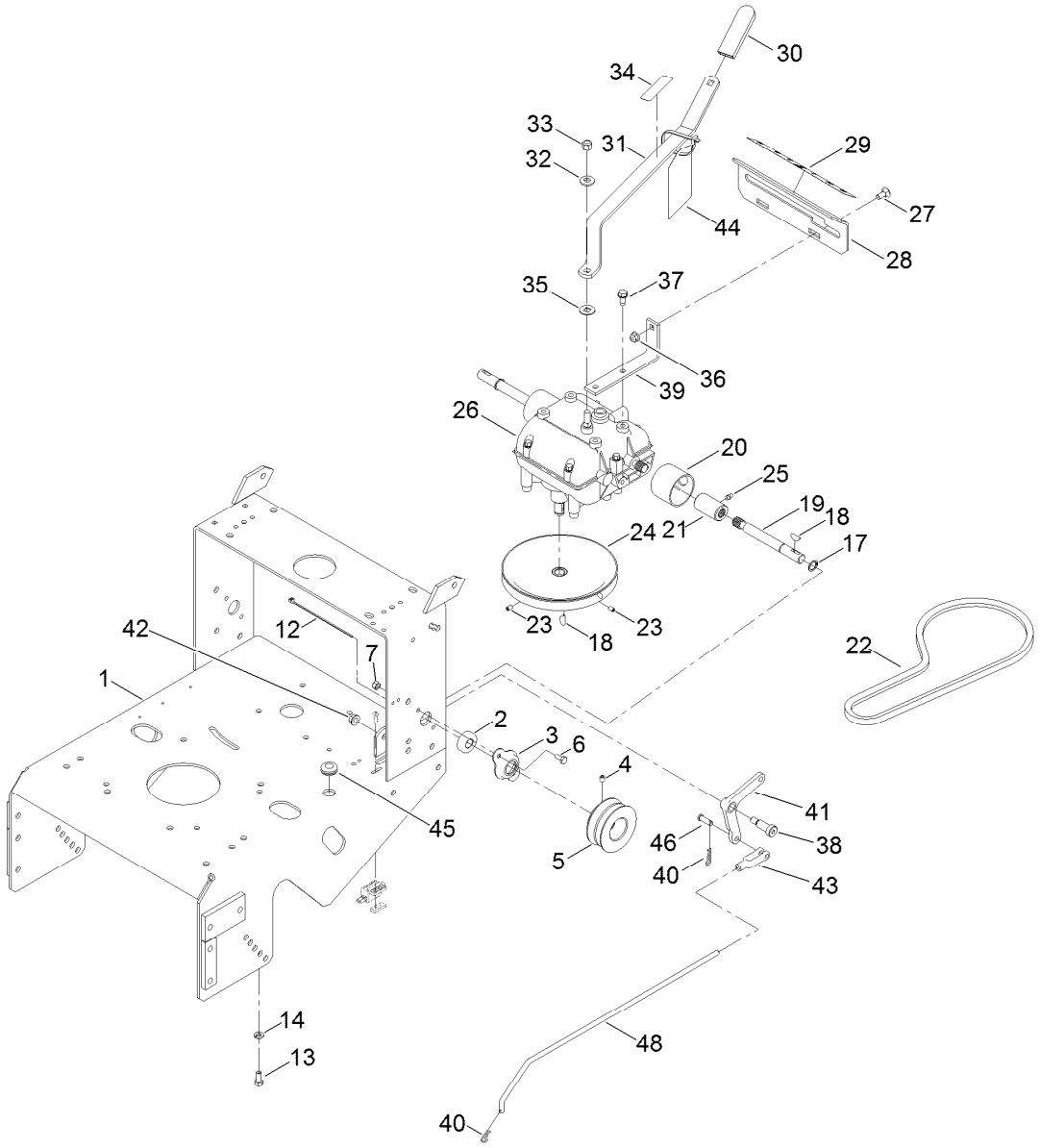
■ Obtain parts from www.kawpowerepc.com



Fuel System Assembly

Ref.	Part Number	Qty.	Description
1	126-1526	1	Fuel Tank ASM
1:2	114-0284	1	Grommet
1:3	119-3547	1	Valve-Vent, Fuel
1:4	103-2605	1	Fitting-Fuel, Bulkhead
1:5	137-4119	1	Cap-Fuel, Ratcheting
2	109-0650	1	Hose-Fuel
3	1-603770	1	Valve-Fuel
4	2412-98	4	Clamp-Hose
5	322-10	2	Screw-HH
6	3256-3	2	Washer-Flat
7	107-4543	2	Clamp
8	104-8300	2	Nut-HF, NI
9	99-9415	1	Hose-Fuel

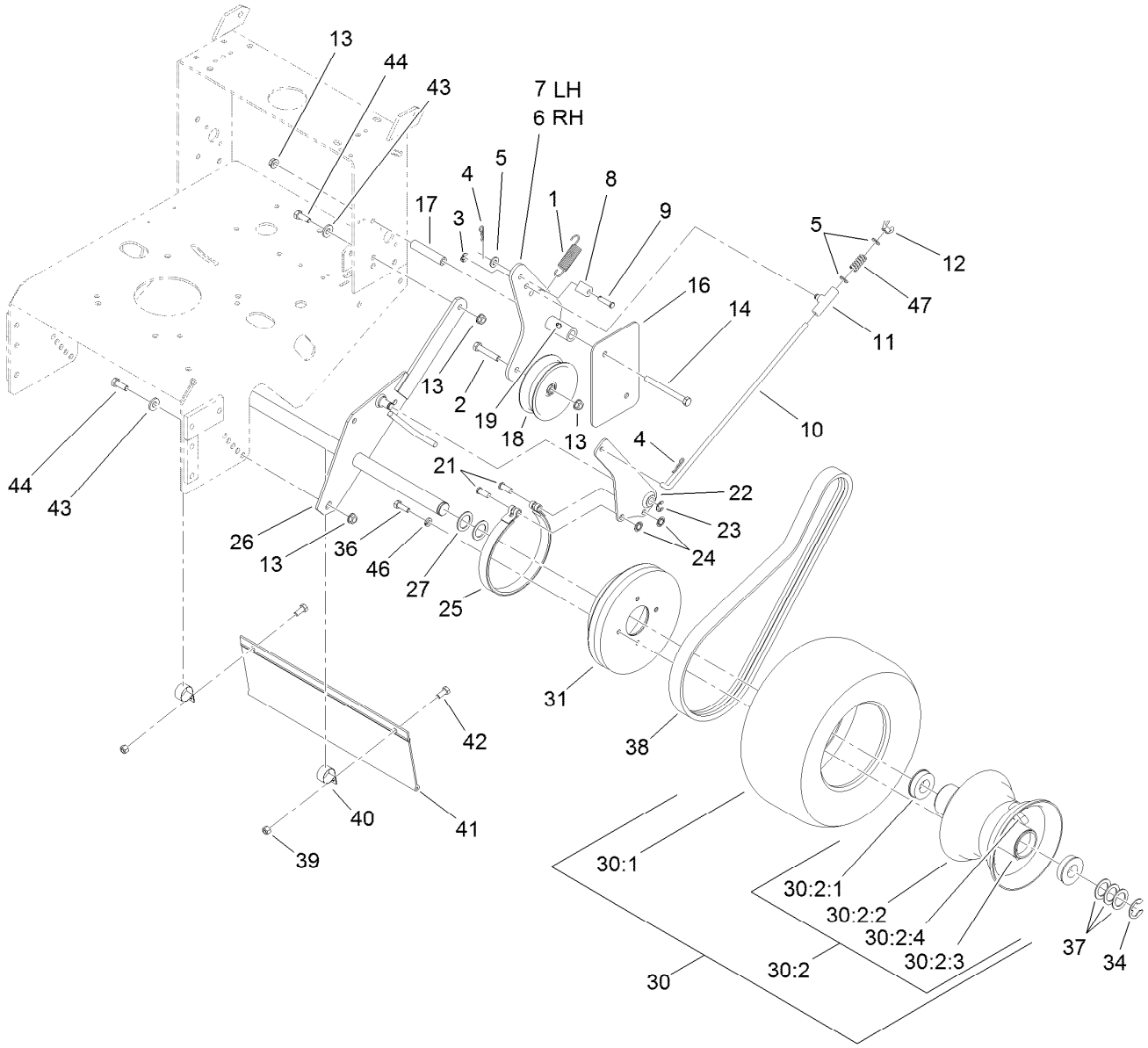
Ref.	Part Number	Qty.	Description
10	3290-378	3	Tie-Cable
16	3229-1	2	Bolt-CARR
17	104-7201	4	Nut-HF
18	115-4486-01	1	Bracket-Canister, Carbon
19	114-0292	1	Bracket-Canister, Carbon
20	321-2	2	Screw-HH
21	117-1221	1	Canister-Carbon, 800Cc
22	115-0962	1	Hose-Vent, Canister
23	114-0286	1	Hose-Vent
24	116-2231	1	Hose-Vent, Formed
25	116-2232	1	Valve-Control, Vacuum
26	119-8501	1	Hose-Vent, Formed
27	119-8502	1	Hose-Vent, Formed



Frame and Transmission Assembly

Ref.	Part Number	Qty.	Description
1	116-6084-01	1	Frame-Gear
2	1-323252	2	Bearing-Shaft
3	1-323254	2	Flange-Output
4	3246-18	2	Setscrew
5	103-6511	2	Sheave-Transmission
6	321-3	4	Screw-HH
7	3296-42	4	Nut-Lock, NI
12	1-303287	1	Tie-Cable
13	322-3	4	Screw-HH
14	1-805005	4	Washer-Lock
17	32151-62	2	Ring-Retaining
18	3257-5	3	Key-Woodruff
19	1-323502	2	Shaft-Transmission
20	51-4220	2	Guard-Coupler
21	1-323680	2	Coupler
22	1-323630	1	V-Belt
23	3245-41	2	Screw-HSH
24	1-323278	1	Sheave-Transmission
25	302-19	2	Fitting-Grease
26	137-4105	1	Transmission-5 Speed
27	3230-1	2	Bolt-CARR

Ref.	Part Number	Qty.	Description
28	1-323387-03	1	Plate-Shift
29	98-3264	1	Decal-Speed, Ground
30	1-303020	1	Grip-Lever
31	98-3274-03	1	Lever-Shift
32	98-5975	1	Washer-Belleville
33	3296-6	1	Nut-Lock
34	132-4708	1	Decal-Caution, Gearbox
35	1-323379	1	Washer
36	104-8300	2	Nut-HF, NI
37	32144-11	4	Screw-Thd Roll, HWH
38	1-603403	1	Bolt-Shoulder
39	1-323389-03	2	Bracket-Plate, Shift
40	1-806003	2	Pin-Cotter
41	1-303186	1	Bellcrank
42	3290-357	1	Nut-HHF, Whiz
43	1-303105	1	Yoke-Adjustable
44	132-4712	1	Hang Tag-Gearbox
45	1-543296	1	Grommet
46	1-808280	1	Pin-Clevis
48	1-323303	1	Arm-Assist, Linkage

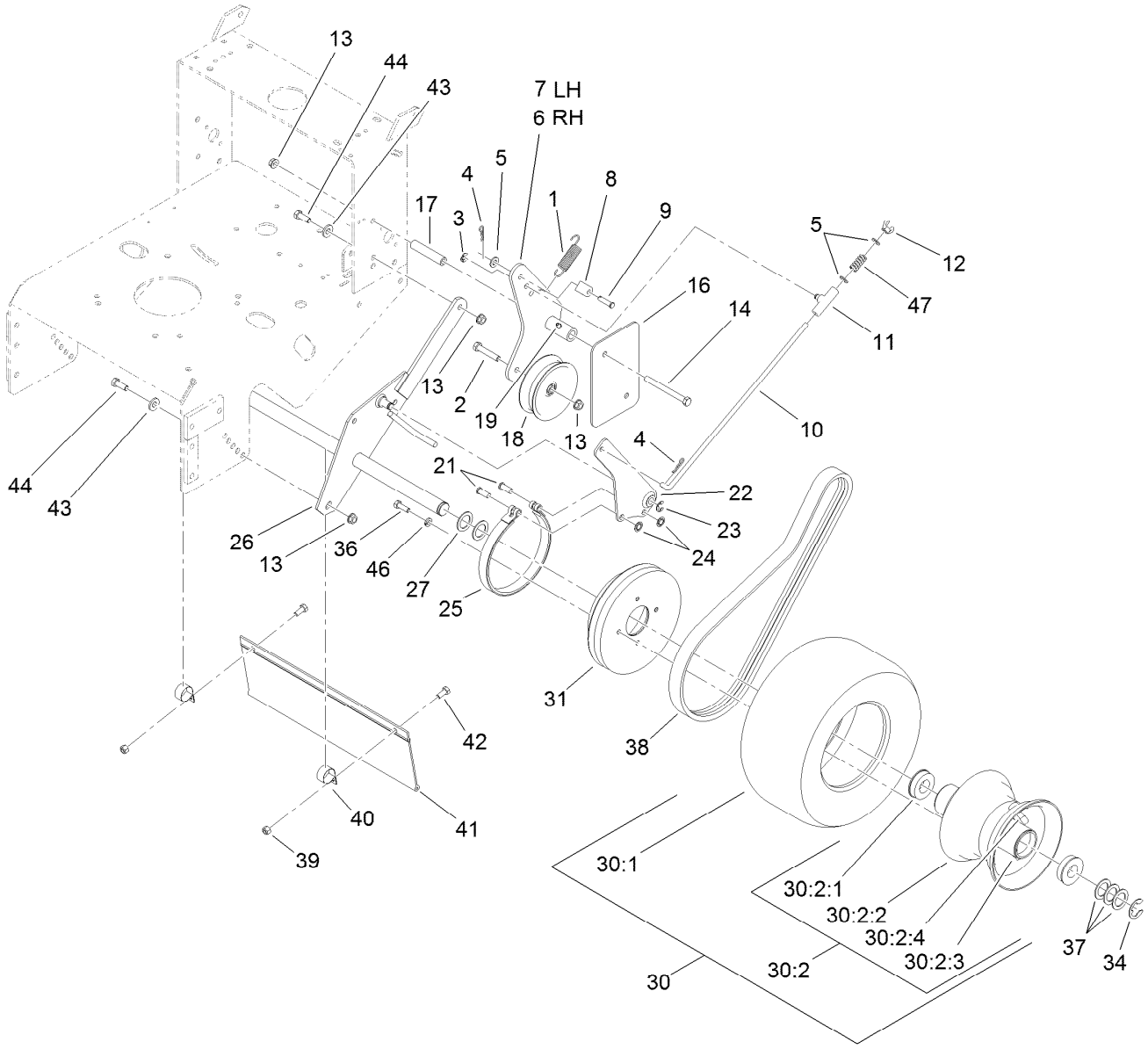


Drive Wheel and Brake Assembly

Ref.	Part Number	Qty.	Description
1	98-3273	2	Spring-Extension
2	323-10	2	Screw-HH
3	32151-47	2	Ring-Retaining
4	1-806003	4	Pin-Cotter
5	3256-23	4	Washer-Plain
6	110-4925-03	1	Arm-Idler, RH
7	110-4926-03	1	Arm-Idler, LH
8	74-0521	2	Fitting-Rod
9	283-6	2	Pin-Clevis
10	1-323296	2	Rod-Brake
11	110-5866	2	Swivel-Brake
12	1-513959	2	Wingnut-Nylock
13	3290-357	10	Nut-HHF, Whiz
14	323-16	4	Screw-HH
16	98-5131-01	2	Shield-Wheel, Drive
17	1-323694	4	Spacer-Shield
18	1-323634	2	Idler-Drive, Wheel
19	302-19	2	Fitting-Grease

Ref.	Part Number	Qty.	Description
21	1-323307	4	Pin-Clevis
22	1-322209-03	2	Arm-Brake
23	32120-47	2	Ring-Retaining, External
24	1-803051	4	Ring-Retain
25	1-323595	2	Band-Brake
26	1-322212-03	1	Axle
27	1-543436	2	Washer-Spacer
30	130-8363	2	Wheel And Tire ASM
30:1	130-8367	1	Tire
30:2	130-4565	1	Wheel And Hub ASM
30:2:1	1-323329	2	Bearing-Flanged
30:2:2		1	Rim ASM ●
30:2:3		1	Fitting-Grease ●
30:2:4		1	Stem-Valve ●
31	109-4359	2	Drum And Sheave ASM
34	1-808519	2	Ring-Snap
36	322-5	8	Screw-HH
37	1-523157	6	Washer-Spacer

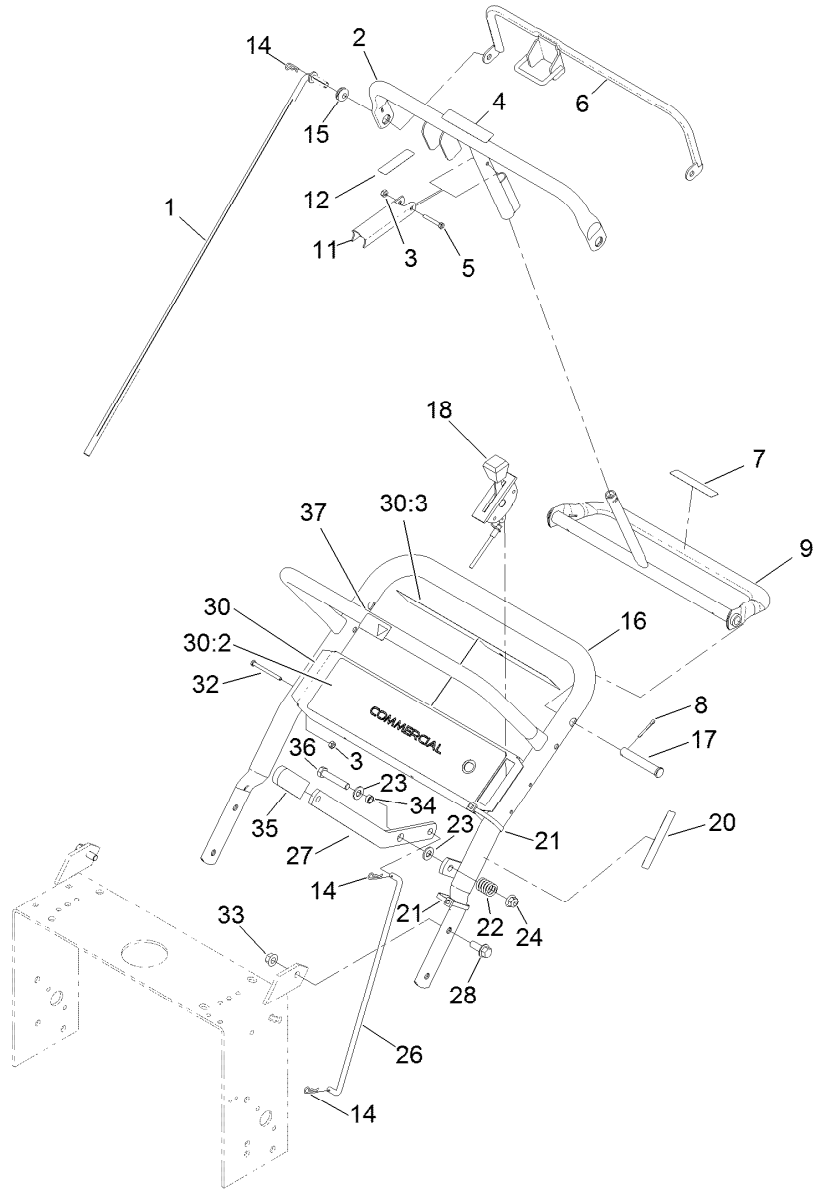
● Not serviced separately



Drive Wheel and Brake Assembly (continued)

Ref.	Part Number	Qty.	Description
38	1-323631	2	V-Belt
39	3296-29	2	Nut-Lock, NI
40	2412-104	2	Clamp-R
41	98-3259	1	Shield-Trailing
42	322-3	2	Screw-HH
43	98-5975	4	Washer-Belleville
44	323-6	4	Screw-HH
46	1-805005	8	Washer-Lock
47	1-323245	2	Spring-Compression

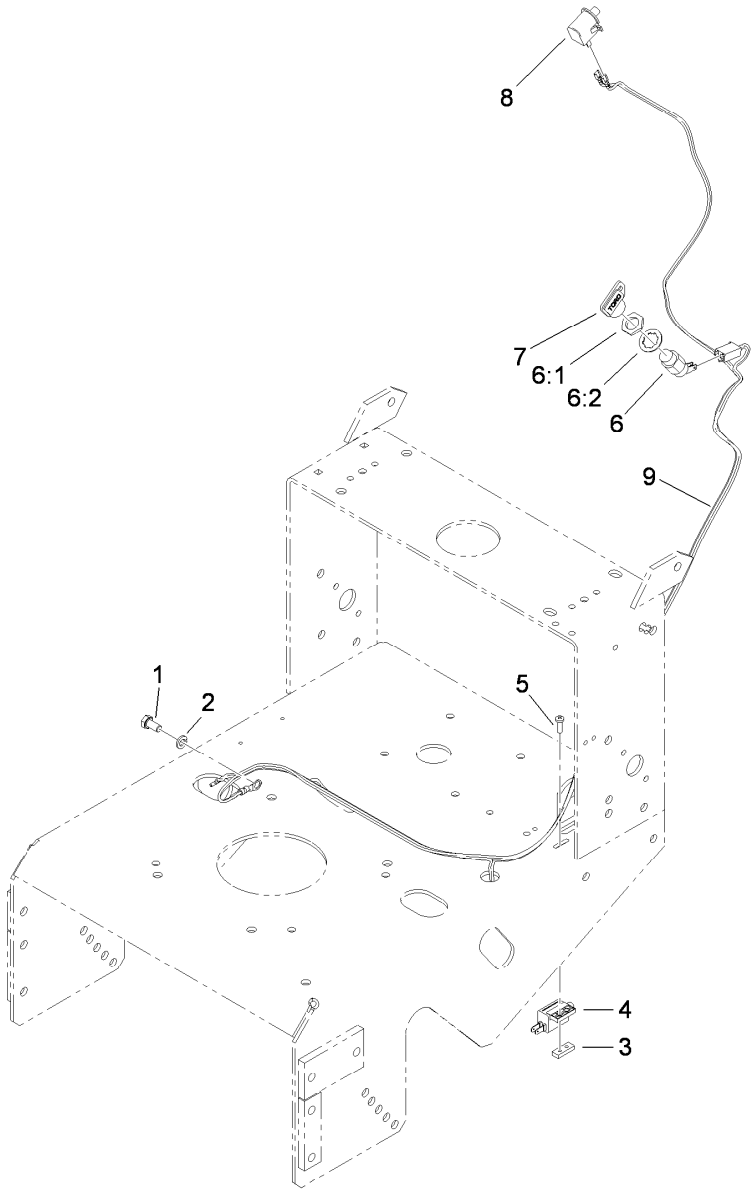
● Not serviced separately



Handle and Control Assembly

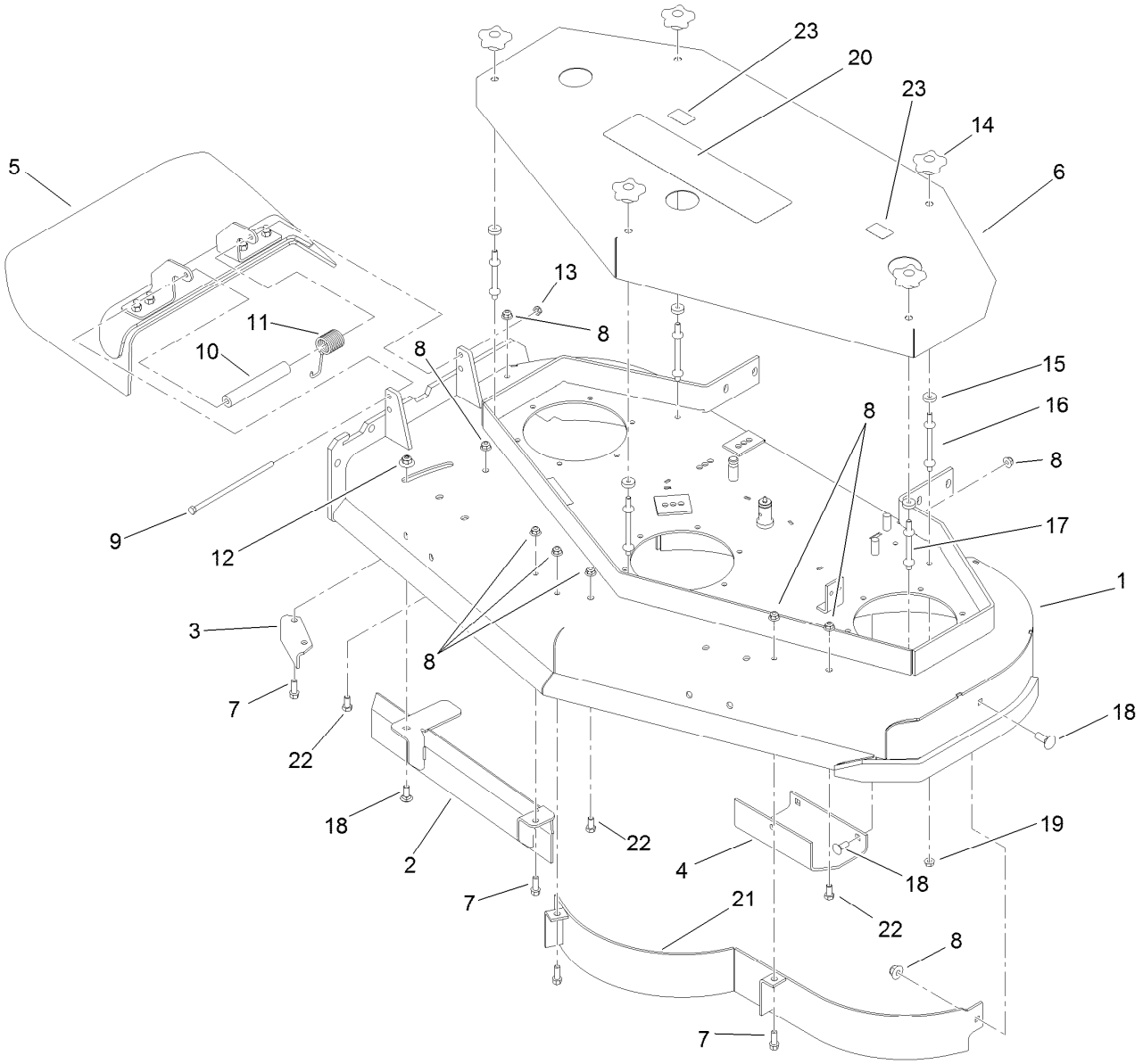
Ref.	Part Number	Qty.	Description
1	132-4711	2	Rod-Control
2	95-5522-03	1	Bar-Control
3	3296-2	5	Nut-Lock, NI
4	93-7298	1	Decal-Bar, Control
5	32105-1	1	Screw-SHH
6	82-7680-03	1	Bail
7	93-7299	1	Decal-Reverse
8	3272-11	2	Pin-Cotter
9	106-5477-03	1	Pivot-Control
11	98-3261-03	1	Lever-Brake, Parking
12	93-7442	1	Decal-Lever, Parking
14	1-806003	3	Pin-Cotter
15	237-141	2	Grommet-Rubber
16	98-3267-03	1	Handle-Upper
17	283-55	2	Pin-Clevis
18	119-6539	1	Cable-Throttle
20	95-5537	1	Decal-Engage, Deck

Ref.	Part Number	Qty.	Description
21	1-303335	2	Tie-Plastic
22	1-303160	1	Spring-Compression
23	3256-24	2	Washer-Flat
24	104-8301	1	Nut-HF, NI
26	98-3279	1	Linkage-Drive, Blade
27	98-3287-03	1	Lever-Engagement, Blade
28	3234-11	4	Screw-HHF
30	110-6905	1	Control Panel ASM
30:2	130-8374	1	Decal-Panel, Control
30:3	106-5519	1	Decal-Danger
32	32105-14	4	Screw-SHH
33	32128-21	4	Nut-HF
34	99-8509	1	Spacer
35	1-303020	1	Grip-Lever
36	323-10	1	Screw-HH
37	98-4387	1	Decal-Protection, Ear



Wire Harness Assembly

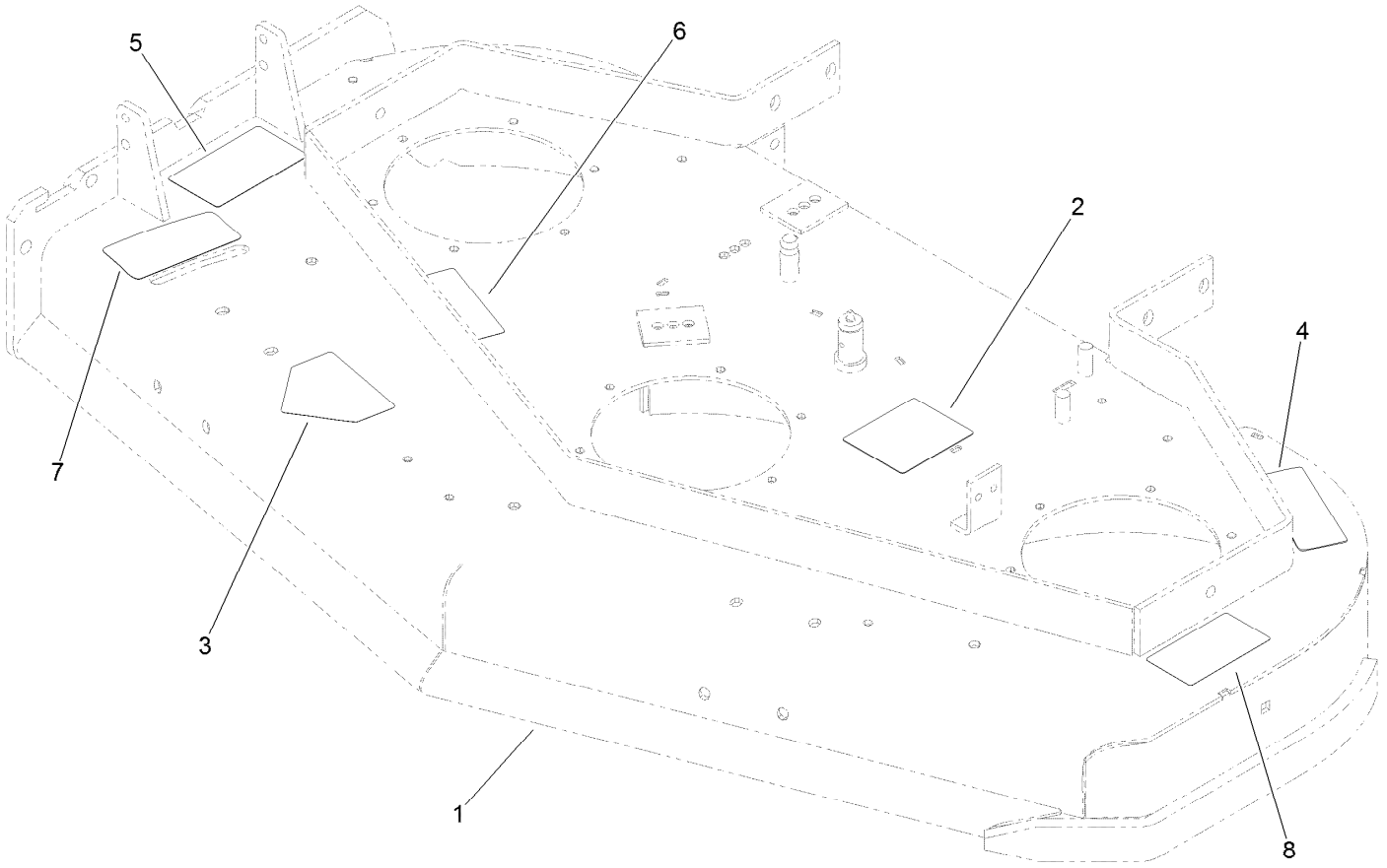
Ref.	*Part Number*	*Qty.*	*Description*
1	33114-016	1	Screw-HH
2	3253-4	1	Washer-Lock
3	1-633181	1	Plate-Tapped
4	1-513152	1	Switch-Closed, Normally
5	3290-500	2	Screw-PPH
6	29-5560	1	Switch-On / Off
6:1	218-461	1	Nut-HH
6:2	3254-5	1	Washer-Lock
7	63-8360	1	Key-Ignition
8	740275	1	Switch
9	119-6535	1	Harness-Wire



Deck Assembly

Ref.	Part Number	Qty.	Description
1	110-4909	1	Deck ASM
2	121-1775-03	1	Baffle
3	110-0744-01	1	Baffle-Discharge
4	107-3166-01	1	Skid
5	110-0758	1	Deflector ASM
6	110-2119-01	1	Cover
7	92-1624	5	Screw-HWH
8	104-8301	12	Nut-HF, NI
9	322-50	1	Screw-HH
10	105-4622	1	Spacer
11	108-4052	1	Spring-Torsion
12	109-6658	1	Nut-Flange, NI

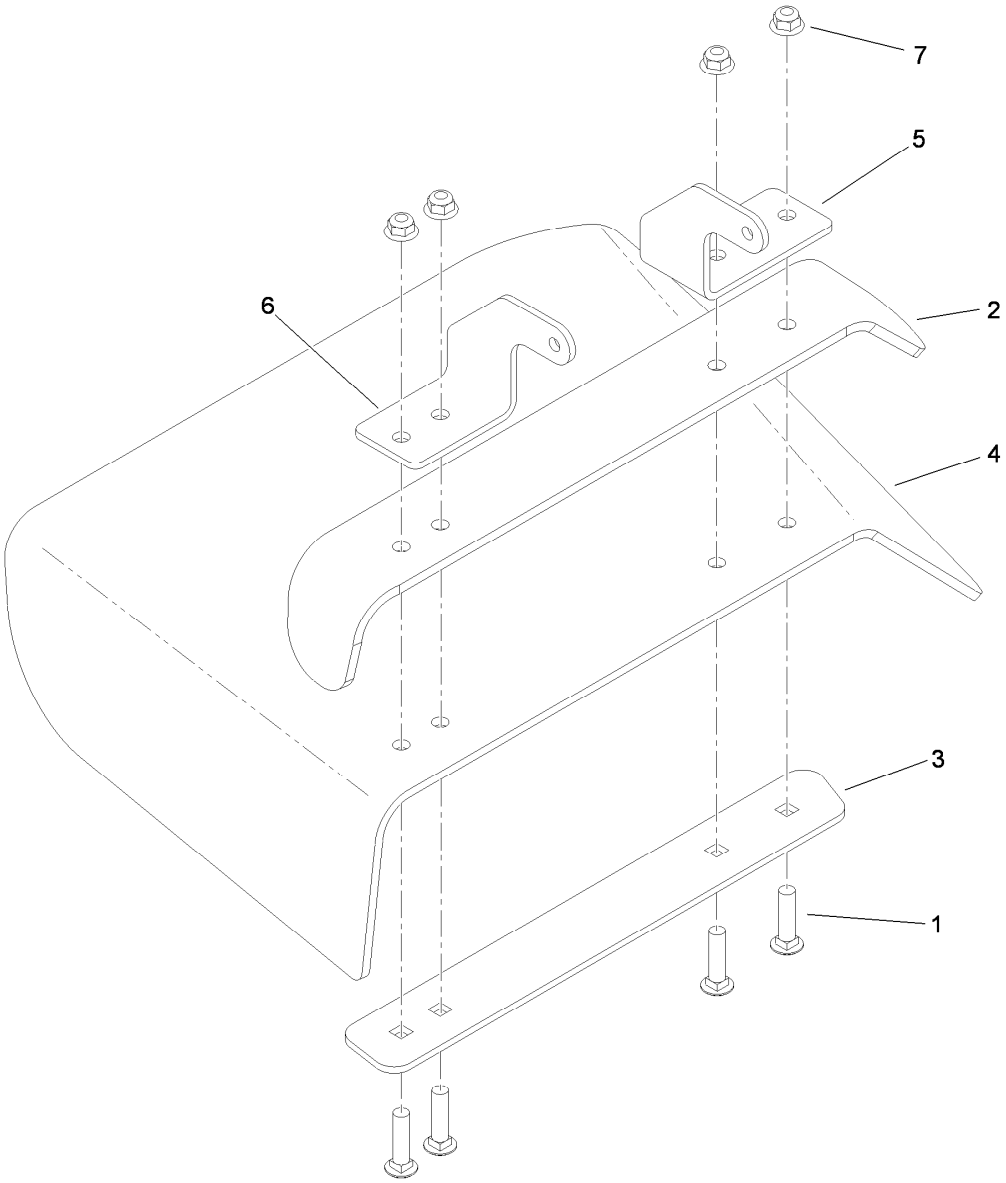
Ref.	Part Number	Qty.	Description
13	3296-47	1	Nut-Lock, NI
14	106-4161	5	Knob-Handle
15	1-323417	5	Washer
16	1-303536	3	Stud-Shield, Belt (Long)
17	1-303537	2	Stud-Shield, Belt (Short)
18	3231-2	5	Bolt-CARR
19	32128-20	5	Nut-HF
20	112-9712	1	Decal
21	110-0735-03	1	Baffle
22	323-4	3	Screw-HH
23	106-5517	2	Decal-Warning



Deck Decal Assembly No. 110-4909

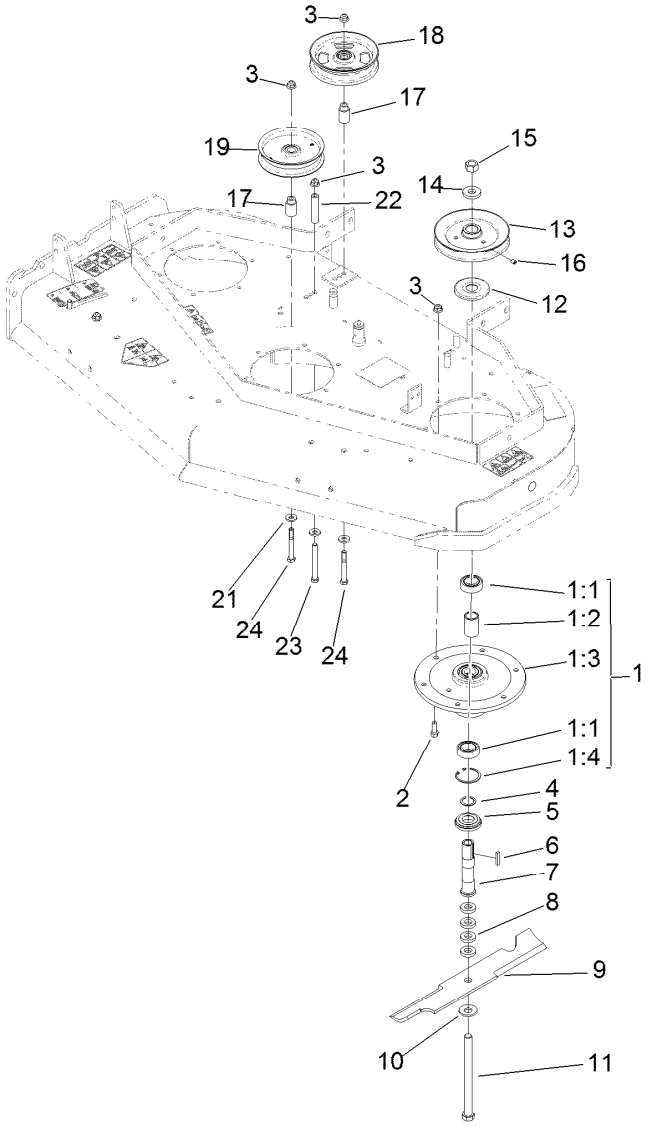
Ref.	*Part Number*	*Qty.*	*Description*
1		1	48 Inch Deck ASM ●
2	99-3943	1	Decal-Routing, Belt
3	112-8760	1	Decal-Danger
4	98-5130	1	Decal-Torque, Bolt
5	121-6049	1	Decal-Danger
6	112-9028	2	Decal-Cover, Missing
7	131-1180	1	Decal-Adjustment, Baffle
8	93-7010	1	Decal-Danger

● Not serviced separately



Deflector Assembly No. 110-0758

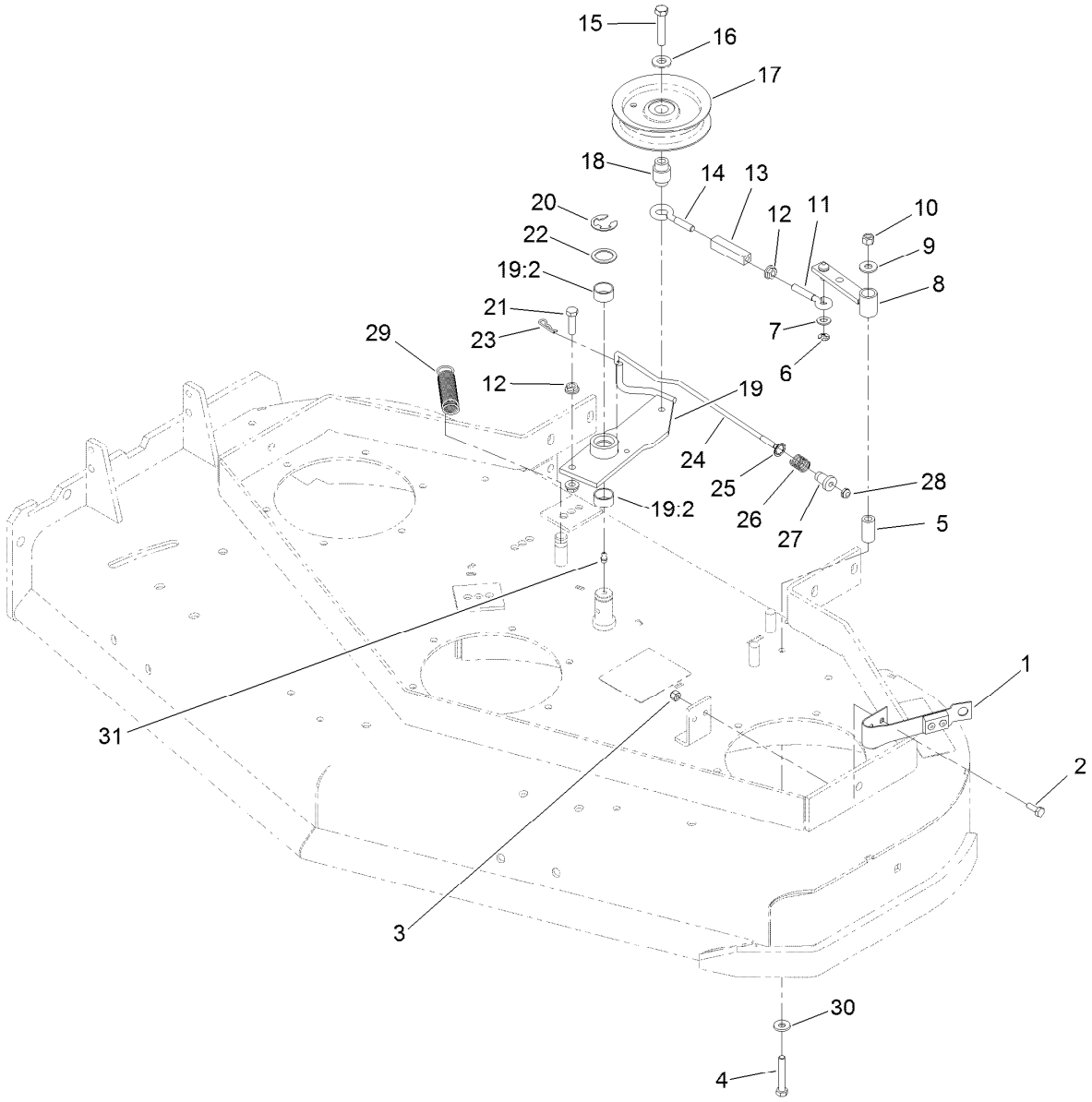
Ref.	*Part Number*	*Qty.*	*Description*
1	3231-4	4	Screw-CARR
2	106-3246-01	1	Deflector
3	106-3248-03	1	Strap-Discharge
4	110-0759	1	Deflector-Rubber
5	107-4197-01	1	Bracket-Hinge, Rear
6	107-4196-01	1	Bracket-Hinge, Front
7	104-8301	4	Nut-HF, NI



Sheave, Spindle and Blade Assembly

Ref.	Part Number	Qty.	Description
1	108-6697	3	Spindle Housing ASM
1:1	119-7857	2	Bearing-Ball, 1 Inch
1:2	110-2116	1	Spacer-Bearing
1:3	108-6694	1	Housing-Spindle
1:4	32120-8	1	Ring-Snap
2	92-1624	18	Screw-HWH
3	104-8301	21	Nut-HF, NI
4	110-4888	3	Washer-Spacer
5	103-2535	3	Spacer-Guard, Bottom
6	1-807267	3	Key
7	1-323529	3	Tube-Spindle, Short
8	1-323539	12	Spacer
9	107-3192-03	3	Blade-16.5 Inch (High Flow)
10	1-513208	3	Washer-Spring

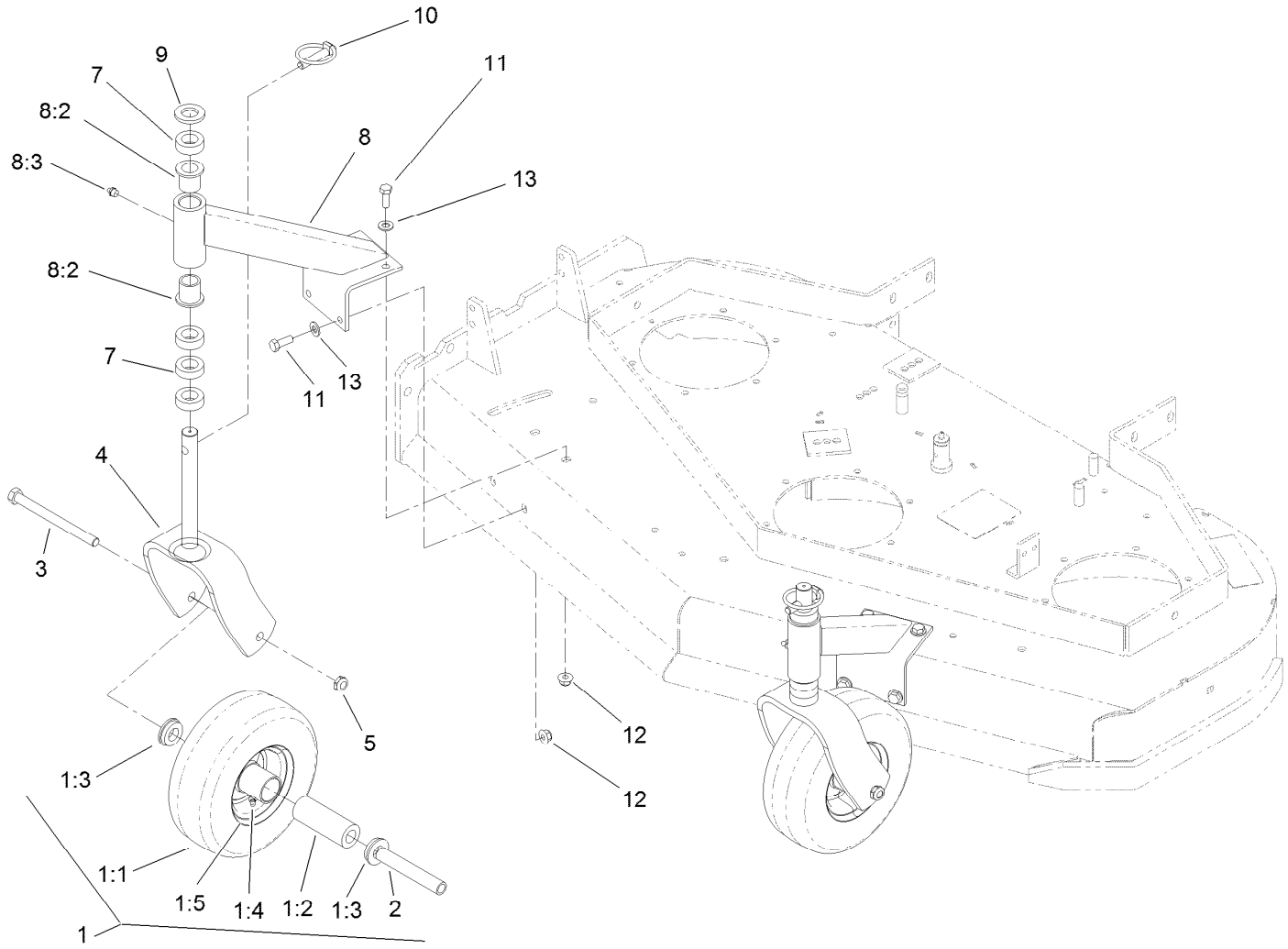
Ref.	Part Number	Qty.	Description
11	1-800861	3	Screw-Cap, HH
12	103-1330	3	Guard-Bearing, Top
13	1-403183	3	Sheave
14	1-323339	3	Washer-Retainer, Sheave
15	3219-6	3	Nut-Hex
16	3246-18	3	Setscrew
17	1-413113	2	Bushing-Idler
18	136-5405	1	Pulley-Idler, Flat
19	1-613098	1	Pulley-Idler
21	98-5975	3	Washer-Belleville
22	1-403188	1	Spacer
23	323-15	1	Screw-HH
24	323-14	2	Screw-HH



Idler Assembly

Ref.	Part Number	Qty.	Description
1	1-324372	1	Pad And Spring ASM
1:1	1-323709	1	Pad-Brake ●
1:2	1-323710	1	Spring ●
1:3	103-0138	2	Rivet-Pop ●
2	321-4	2	Screw-HH
3	3296-42	2	Nut-Lock, NI
4	322-10	1	Screw-HH
5	1-403179	1	Tube-Pivot
6	32120-35	1	Ring-Retaining, EXT
7	3256-23	1	Washer-Plain
8	1-322235	1	Arm-Assist, 32/36
9	3256-3	1	Washer-Flat
10	3296-29	1	Nut-Lock, NI
11	1-303238	1	Eyebolt-Thread, RH
12	32128-20	3	Nut-HF
13	1-303236	1	Body-Turnbuckle
14	1-303348	1	Eyebolt-Thread, LH
15	702809	1	Screw-HH
16	98-5975	1	Washer-Belleville
17	132-4718	1	Pulley-Idler, Flat
18	1-303434	1	Bushing-Engagement
19	103-3600	1	Idler Arm ASM
19:2	1-323729	2	Sleeve-Bearing
20	32151-103	1	Ring-Retaining, EXT
21	116-3515	1	Screw-HH, Special
22	1-303352	1	Washer-Spindle
23	1-806003	1	Pin-Cotter
24	110-4932	1	Rod-Brake
25	1-323748	1	Ring-Push On
26	1-323747	1	Spring-Compression
27	1-323746	1	Spacer-Flanged
28	3296-56	1	Nut-Lock, NI
29	1-323071	1	Spring-Extension
30	1-303334	1	Washer-Spring
31	302-40	1	Fitting-Grease, 90 DEG

● Not illustrated



Caster Assembly

Ref.	Part Number	Qty.	Description
1	130-4557	2	Wheel And Tire ASM
1:1		1	Tire ●
1:2	1-513809	1	Bearing
1:3	1-513810	2	Bushing
1:4	302-61	1	Fitting-Grease
1:5		1	Wheel ●
2	1-513547	2	Spacer
3	325-20	2	Screw-HH
4	116-7942-01	2	Fork-Caster
5	3296-45	2	Nut-Hex

Ref.	Part Number	Qty.	Description
7	1-303314	8	Spacer-Caster
8	110-2130	2	Support ASM
8:2	1-303514	2	Bearing-Flanged
8:3	302-52	1	Fitting-Grease
9	1-513338	2	Washer-Flat
10	1-809020	2	Pin
11	323-6	8	Screw-HH
12	104-8301	8	Nut-HF, NI
13	3256-24	8	Washer-Flat

● Not serviced separately

Attachments and Accessories

For 39678 Commercial Walk-Behind Mower Fixed Deck, T-Bar, Gear Drive with 48in TURBO FORCE Cutting Unit

Product Name	Model/Part
Blade-Low Flow, 16.5in	107-3193-03
Blade-Mid Flow, 16.5in	107-3194-03
Blade-Atomic, 16.5in	107-3195-03
Blade-Recycling, 16.5in	107-3196-03
Bagging Enhancement Kit	108-4091
Blade-Hi Flow, 16.5in (6 Pack)	110-0414
Blade-Lo Flow, 16.5in (6 Pack)	110-0415
Blade-Recycler, 16.5in (6 Pack)	110-0416
Blade-Atomic, 16.5in (6 Pack)	110-0417
Blade-Mid Flow, 16.5in (6 Pack)	110-0418
48in Recycler Kit	110-2060
Weight Kit	110-2085
Operator Controlled Discharge Chute Kit	115-4195
All Season Synthetic Oil (10W30, QT)	117-0066
Oil Filter	119-5852
Fuel Filter	120-2235
Air Filter Element	120-7447
Soft Bag (3 Bushel)	30104
Sulky	30109
Toro 4-Cycle SAE 30 Oil (32oz Bottle)	38903
Spark Plug	92-2153

Notes:

Notes:



Count on it.