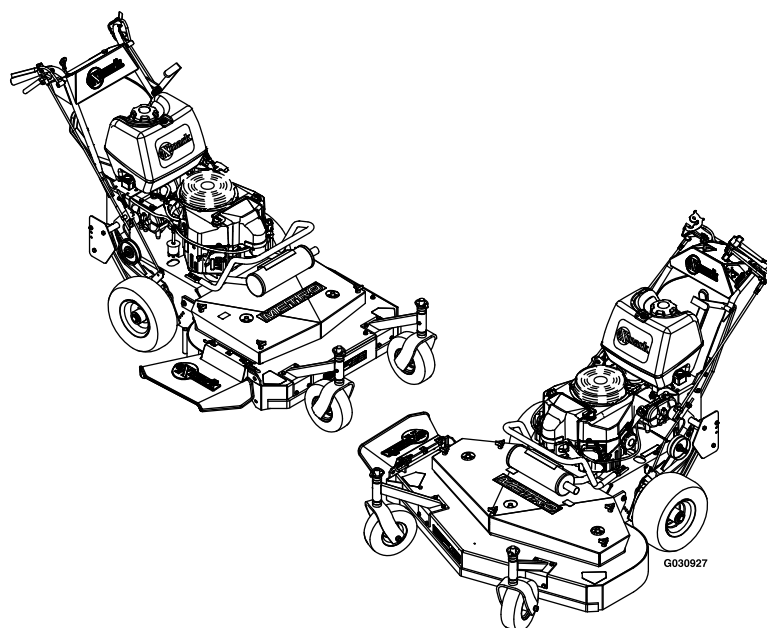




METRO®

Model No. MGS481CKA48300—Serial No. 316000000 and Up

Picture below may not reflect actual product.



Parts Manual

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.

List of Abbreviations

AR: as required	HLH: hex lag head	PTH: phillips truss head
ASM: assembly	HOC: height-of-cut	PTO: power-take-off
BBC: blade brake control	HP: high pressure	RH: right hand
BHTF: button head thread forming	HSBH: hex socket button head	ROPS: roll-over protection system
CARR: carriage	HSFH: hex socket flat head	RRB: rear roller brush
CCW: counter clockwise	HSH: hex socket head	SFH: slotted fillister head
CW: clockwise	HWH: hex washer head	SHH: slotted hex head
DEG: degrees	HWHTF: hex washer head thread forming	SHWH: slotted hex washer head
DPA: Dual Point Adjustment	HYD: hydraulic	SPH: slotted pan head
ECM: electronic control module	LH: left hand	SQH: square head
EXT: external	LP: low pressure	SRH: slotted round head
FH: flat head	LPG: Liquefied Petroleum Gas	STD: standard
GA: gauge	NI: nylon insert	TAP: self tapping
HD: heavy-duty	NPTF: national pipe thread fine	TTH: torx truss head
HF: hex flange	PFH: phillips flat head	
HH: hex head	PPH: phillips pan head	
HHF: hex head flange	PPHTF: phillips pan head thread forming	
HHFTF: hex head flange thread forming	PRH: phillips round head	
HJ: hex jam		

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).

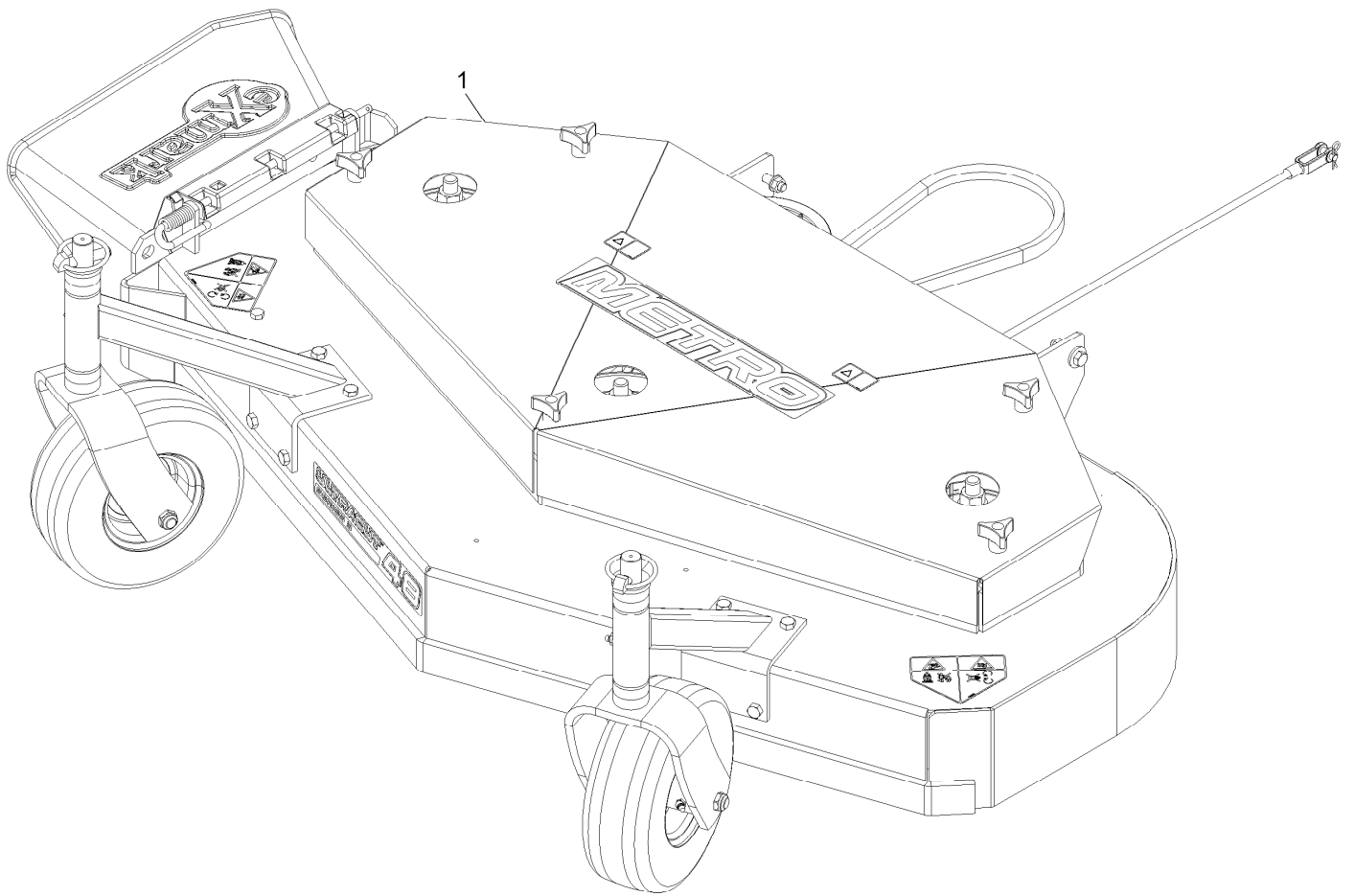


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

Contents

Complete Deck Assembly	4
Deck Assembly	6
Deck W/Decals Assembly No. 1-404257	8
Caster Mount W/Weight Assembly No. 116-8245	10
Caster Wheel Assembly No. 103-1236	12
Caster Wheel Support W/Bearings 103-2296	14
Engine Deck W/Transmission	16
Engine Deck W/Transmission (cont.)	18
Engine Deck W/Decals Assembly No. 116-6131	20
Wheel and Tire Assembly	22
Engine Assembly	24
ECS Upper Handle and Controls	26
Console W/Decals Assembly	28
Fuel Assembly	30
Electrical Assembly	32

Complete Deck Assembly

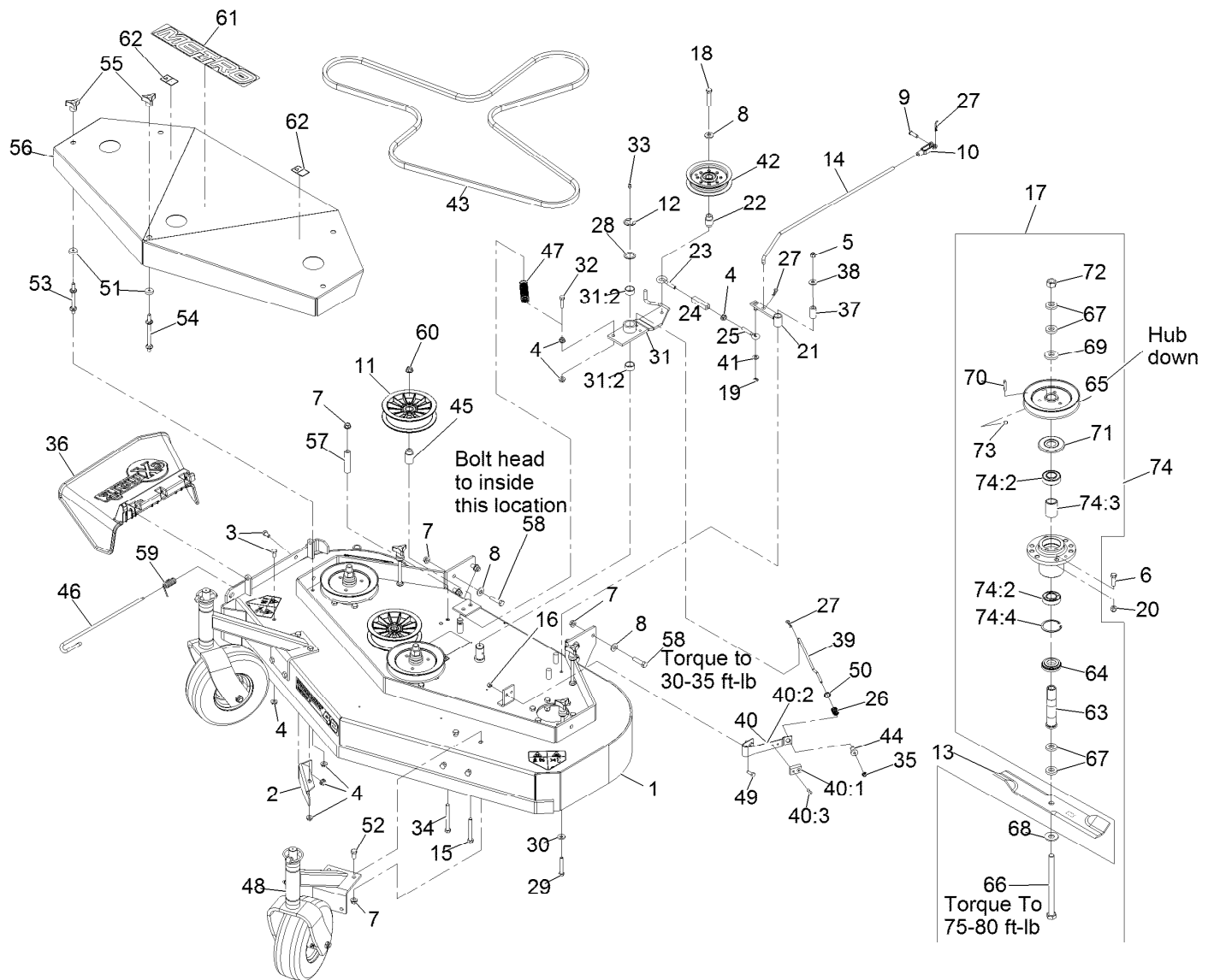


Complete Deck Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Deck ASM-48 ●

● Not serviced separately

Deck Assembly



Deck 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	1-404257	1	Deck W/Decals And Dogleg	40	1-324372	1	Pad And Spring ASM
2	116-1729-01	1	Baffle-Dogleg	40:1	1-323709	1	Pad-Brake
3	322-2	3	Screw-HH 5/16-18 X 5/8	40:2	1-323710	1	Spring, Brakeserv By #324372
4	32128-20	11	Nut-Whizlock 5/16-18	40:3	103-0138	2	Rivet 3/16 X 1/2
5	3296-29	1	Nut-Nyloc 5/16-18	41	3256-23	1	Washer-5/16 Sae
6	323-7	18	Screw-HH 3/8-16 X 1 1/4	42	116-3626	1	Pulley-Idler
7	3290-357	8	Nut-Whizlock 3/8-16	43	1-403174	1	Drive Belt (Main Deck) 48"
8	98-5975	12	Washer-Spring Disc 3/8	44	1-323746	1	Spacer-Flanged
9	1-808280	1	Pin-Clevis 5/16 X 1 49/64	45	1-413113	2	Bushing-Idler
10	1-303105	1	Yoke-Adjustable	46	109-8854	1	Pin-Chute
11	109-0977	2	Pulley, Idler 5"	47	1-323071	1	Spring-Extension
12	32151-103	1	E-Ring	48	116-8245	2	ASM-Caster Mnt W/Weight
13	116-5178	3	Blade-Extreme 2, 16.25"	49	321-4	2	Screw-HH 1/4-20 X 3/4
13	103-6738	3	Blade, Low Lift 16.25	50	1-323748	1	Ring-Push On
13	103-6583	3	Blade, 16.25 Notched	51	1-323417	5	Washer-Belt Shield
13	103-6581	3	Blade, 16.25 Mulching ▲	52	323-4	8	Screw-HH 3/8-16 X 3/4
13	103-1577	3	Blade, 16.25 Solid	53	1-303537	2	Stud-Shield, Belt (Short)
14	1-323303	1	Arm-Assist, Linkage	54	1-303536	3	Stud-Shield, Belt (Long)
15	323-13	2	Screw-HH 3/8-16 X 2 3/4	55	1-323385	5	Knob-3 Prong
16	3296-42	2	Nut-Nyloc 1/4-20	56	116-2707	1	ASM, Shield W/Decals 48 Metro
17	103-8387	3	Asm, Cutter Housing Complete	57	1-403188	1	Spacer
18	702809	1	Screw-HH	58	323-8	8	Screw-HH 3/8-16 X 1 1/2
19	32120-35	1	E-Ring	59	116-0962	1	Spring, Torsion
20	3296-39	18	Nut-Nyloc 3/8-16	60	104-8301	2	Nut-Nyloc 3/8-16 Flg
21	1-322235	1	Arm-Assist	61	126-6890	1	Decal-Metro
22	1-303434	1	Bushing-Engagement	62	106-5517	2	Decal-Warning, Hot Surface
23	1-303348	1	Eyebolt-Thread, LH	63	1-323529	3	Tube-Spindle, Short ♦
24	1-303236	1	Body-Turnbuckle	64	103-2535	3	Spacer-Guard Bottom
25	1-303238	1	Eyebolt-Thread, RH	65	1-403183	3	Sheave ♦
26	1-323747	1	Spring-Compression	66	1-800861	3	Screw-Cap, HH
27	1-806003	3	Hairpin-Cotter	67	1-323539	12	Spacer-Blade Drive
28	1-303352	1	Washer-Spindle	68	1-513208	3	Washer-Spring Disc 5/8
29	322-10	1	Screw-HH 5/16-18 X 2	69	1-323339	3	Washer
30	1-303334	1	Washer-Spring Disc 5/16	70	1-807267	3	Key-Machine 1/4 X 3/16 X 1 1/4
31	103-3600	1	Idler Arm ASM	71	103-1330	3	Guard-Bearing Top ♦
31:2	1-323729	2	Sleeve-Bearing	72	3219-6	3	Nut-Hex 5/8-18
32	116-3515	1	Screw, HH Special 5/16-18 X 1.25	73	3246-18	3	Setscrew-5/16-18 X 3/8 ■
33	302-19	1	Zerk-1/4-28 Str	74		3	Cutter Housing ASM ●
34	323-20	1	Screw-HH 3/8-16 X 3-1/4	74	103-8280	3	Asm, Cutter Housing W/Bearings ♦
35	3296-56	1	Nut-Nyloc 1/4-20 Thin	74:2	103-2477	2	Bearing-Jackshaft
36	109-5151	1	Deflector-Discharge	74:3	103-2534	1	Spacer-Bearing
37	1-403179	1	Tube-Pivot	74:4	32120-8	1	Ring-Retaining
38	3256-3	1	Washer-5/16 Std				
39	1-323714	1	Rod-Brake				

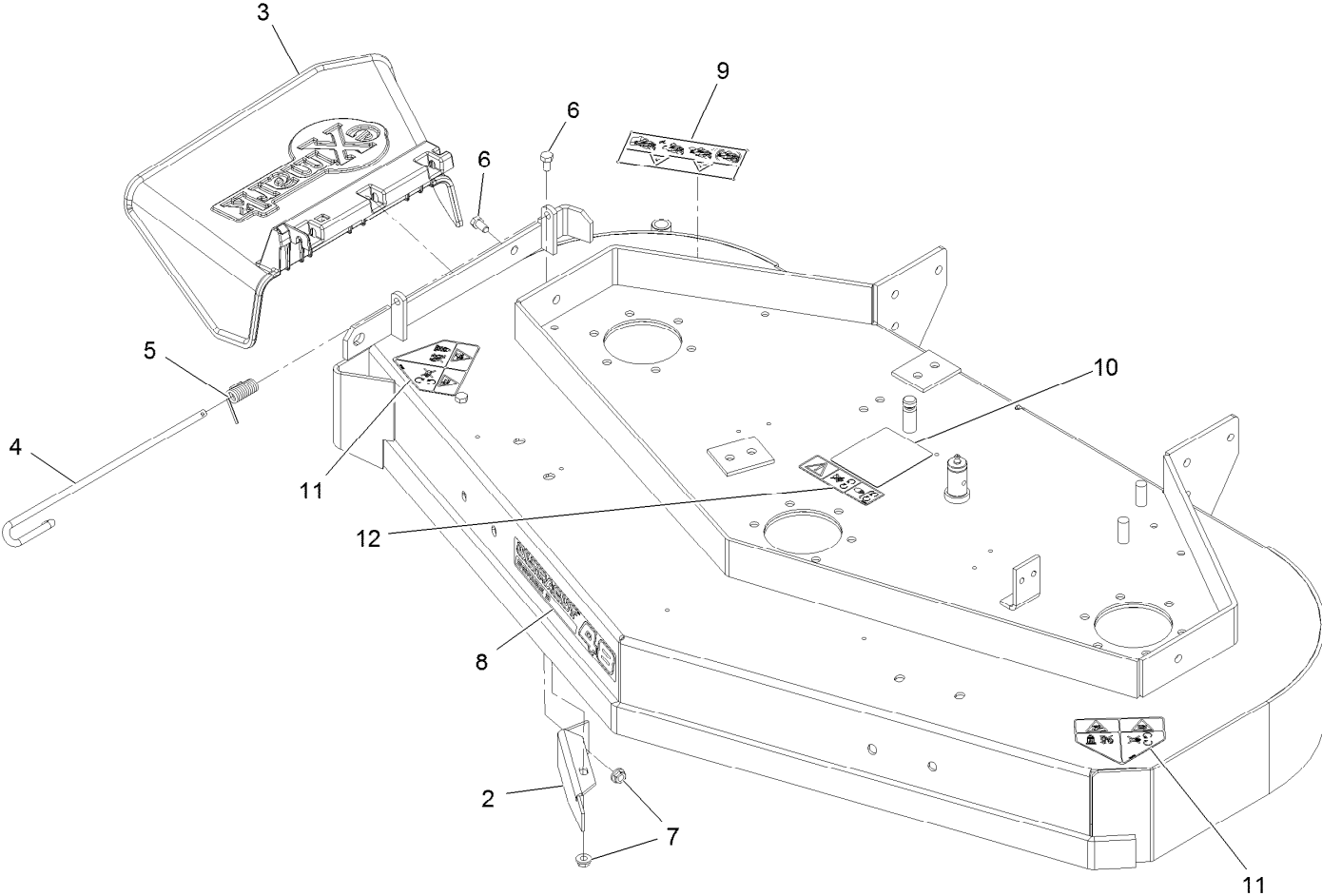
● Not serviced separately

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

▲ 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). See operator's manual for locations.

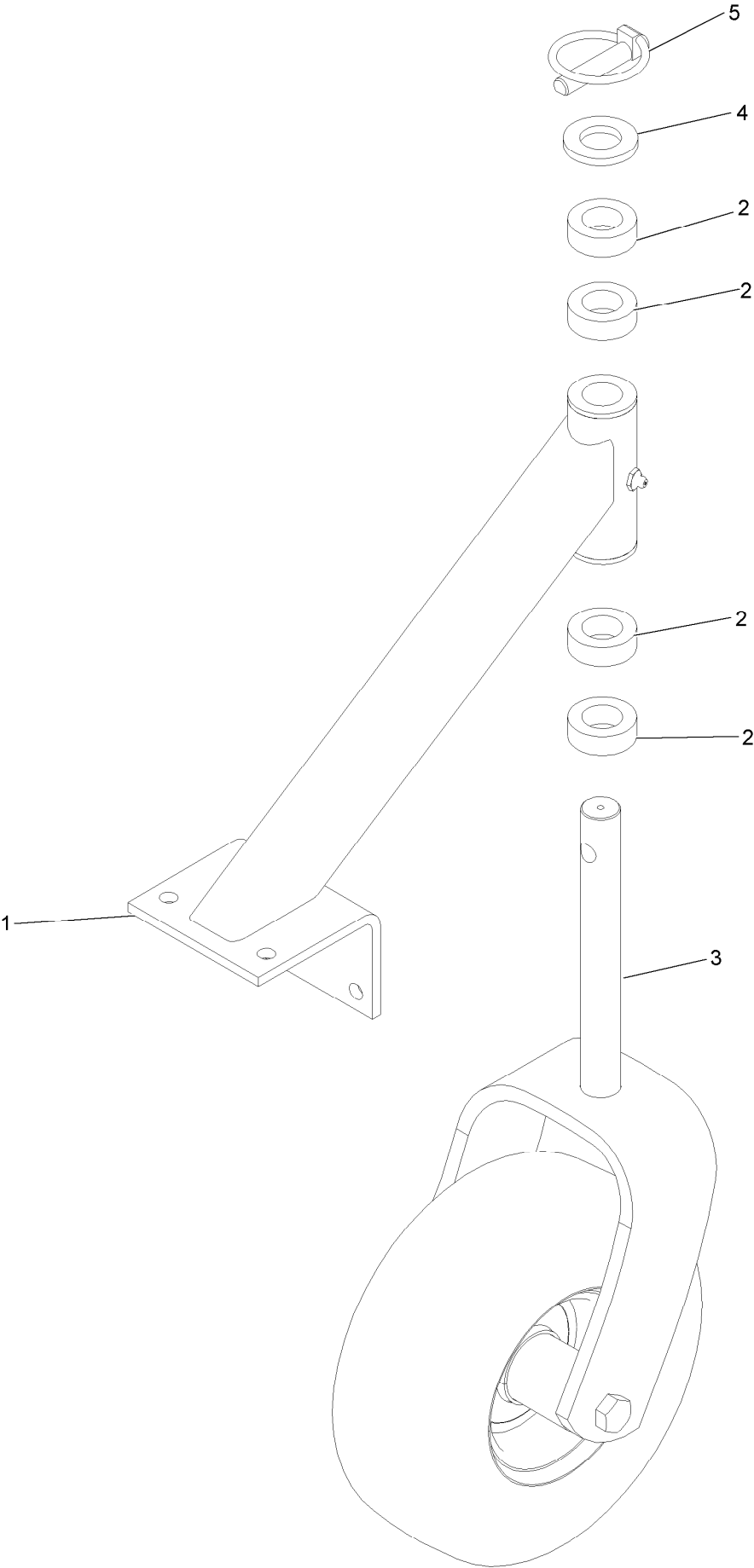
Deck W/Decals Assembly No. 1-404257



Deck W/Decals Assembly No. 1-404257 (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	116-1729-01	1	Baffle-Dogleg	8	126-6746	1	Decal-Ultracut 48 Series 3
3	109-5151	1	Deflector-Discharge	9	114-3489	1	Decal-Warning, Bagger
4	109-8854	1	Pin-Chute	10	99-3943	1	Decal-Routing, Belt
5	116-0962	1	Spring, Torsion	11	112-8760	2	Decal-Danger
6	322-2	4	Screw-HH 5/16-18 X 5/8	12	112-9028	1	Decal-Missing, Cover
7	32128-20	4	Nut-Whizlock 5/16-18				

Caster Mount W/Weight Assembly No. 116-8245

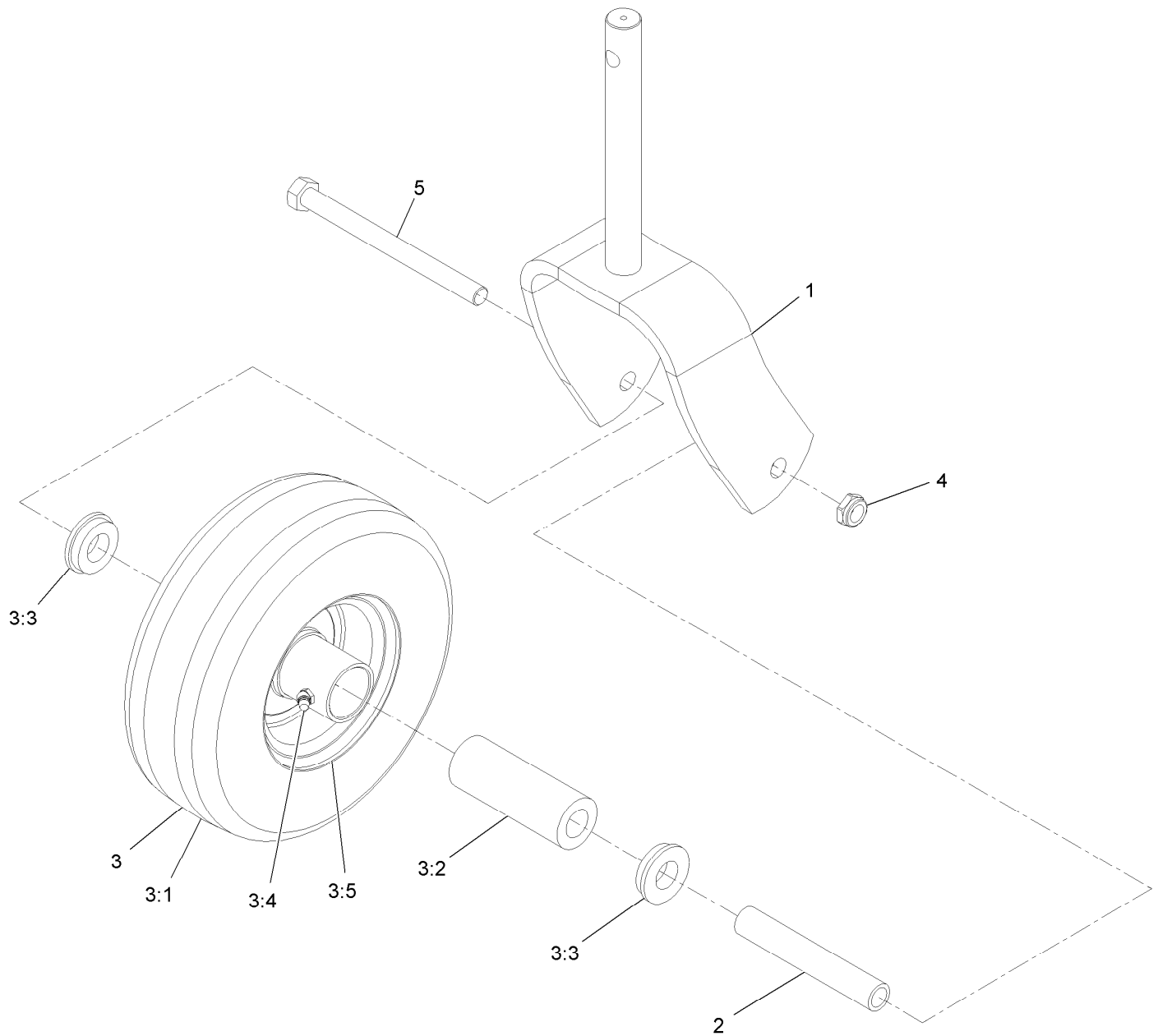


Caster Mount W/Weight Assembly No. 116-8245 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-2296	1	Caster Whl Support W/Bearings, Weighted
2	1-303314	4	Spacer-Caster

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	103-1236	1	Caster Wheel Assembly
4	1-513338	1	Washer
5	1-809020	1	Pin

Caster Wheel Assembly No. 103-1236



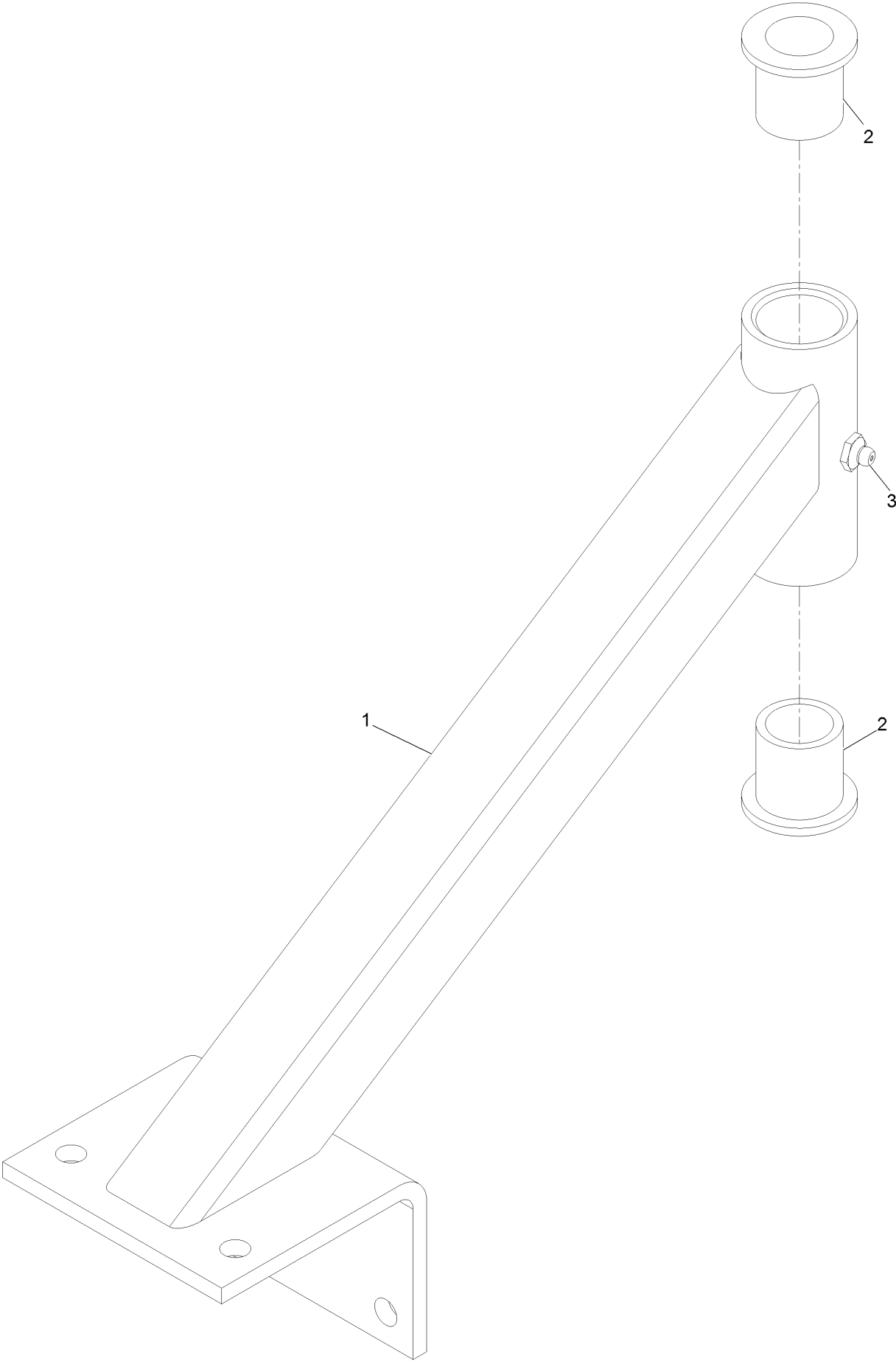
Caster Wheel Assembly No. 103-1236 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-7942-01	1	Fork-Caster
2	1-513547	1	Spacer
3		1	Wheel And Tire ASM ●
3:1		1	Tire ●
3:2	1-513809	1	Bearing

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:3	1-513810	2	Bushing
3:4	302-61	1	Fitting-Grease
3:5		1	Wheel ●
4	3296-45	1	Nut-Lock, NI
5	325-20	1	Screw-HH

● Not serviced separately

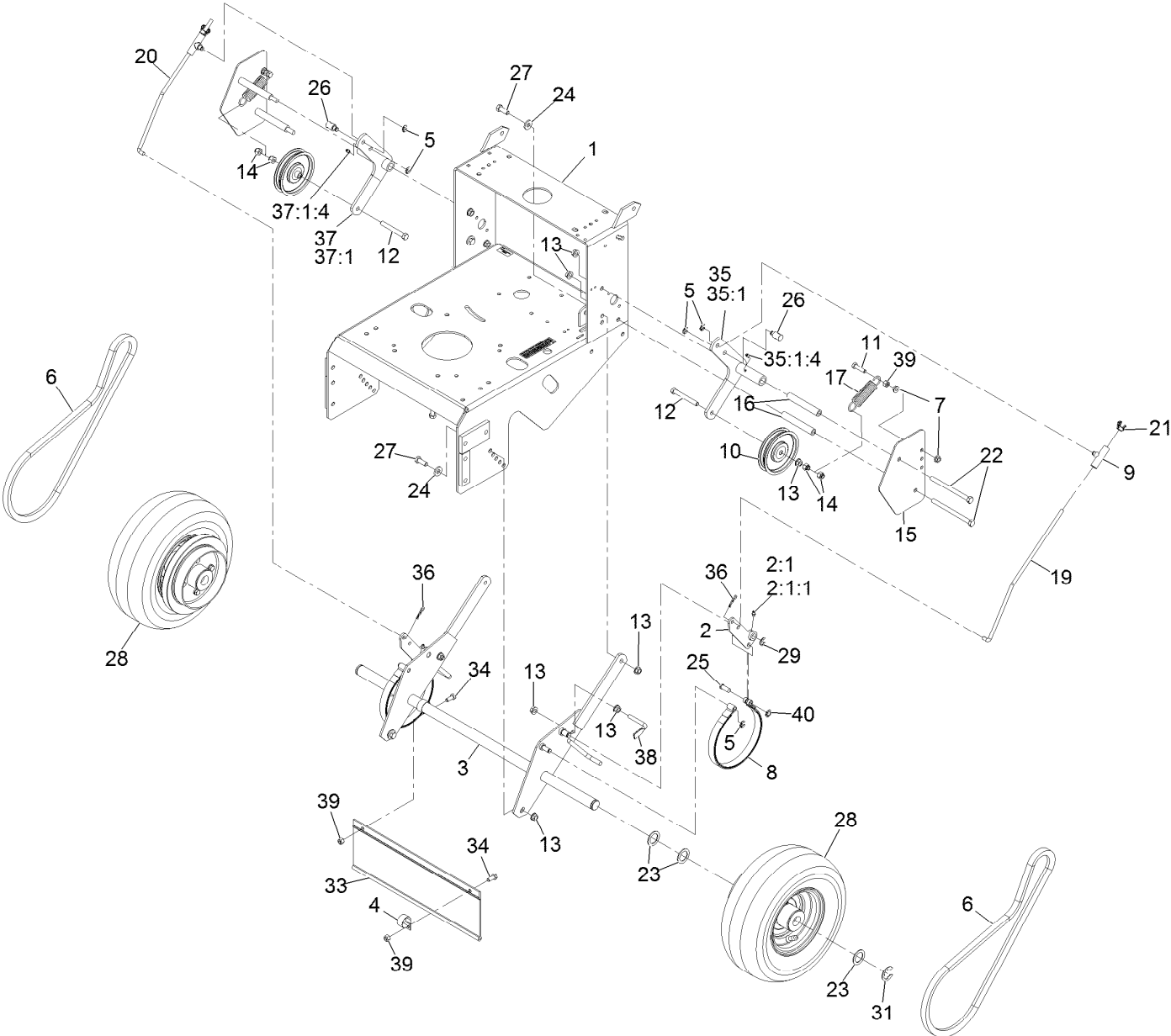
Caster Wheel Support W/Bearings 103-2296



Caster Wheel Support W/Bearings 103-2296 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	103-2297-01	1	Caster Whl Support Wldmnt, Weighted
2	1-303514	2	Bearing-Flanged
3	302-52	1	Fitting-Grease

Engine Deck W/Transmission



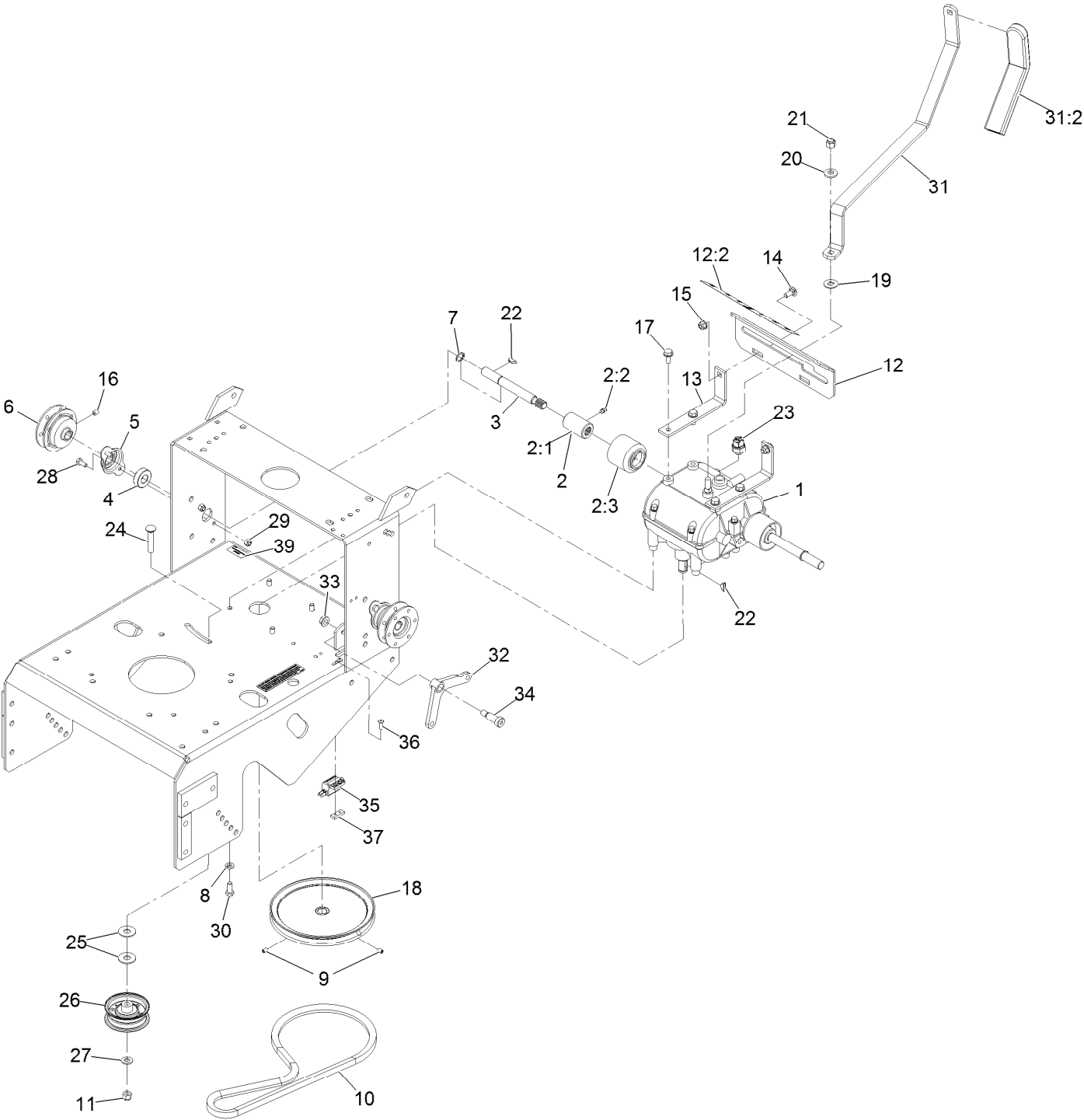
Engine Deck W/Transmission (continued)

<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	116-6131	1	ASM, Metro Engine Deck W/Decals	22	323-39	4	Screw-HH
2	103-1611-03	2	Arm-Brake	23	1-523157	6	Washer-Spacer ●
2:1		1	Wld,Brake Arm ■	23	1-543436	8	Washer-Spacer ●
2:1:1	1-324154	1	Asm,Bushing/Zerk	24	98-5975	4	Washer-Belleville
3	1-322117-03	1	Axle	25	1-323307	2	Pin-Clevis
4	2412-104	2	Clamp-R	26	103-1618	2	Swivel, Short
5	32151-47	4	Ring-Retaining	27	323-6	4	Screw-HH
6	1-323288	2	Belt, Wheel Drive	28	126-4482	2	Drive Wheel ASM
7	32128-20	4	Nut-HF	29	32120-47	2	Ring-Retaining, External
8	1-323262	2	Band-Brake	31	1-808519	2	Ring-Snap
9	110-5866	2	Swivel-Brake	33	98-3259	1	Shield-Trailing
10	1-323277	2	Idler-Wheel, Drive	34	322-3	2	Screw-HH
11	116-3515	2	Screw-HH, Special	35	116-7542-03	1	Arm-Idler, LH
12	99-8664	2	Screw-HH	35:1		1	Idler Arm LH Assy ■
13	3290-357	14	Nut-HHF, Whiz	35:1:4	302-19	1	Fitting-Grease
14	3296-39	4	Nut-Lock, NI	36	1-806003	2	Pin-Cotter
15	1-323287-01	2	Shield-Wheel, Drive	37	116-7543-03	1	Arm-Idler, RH
16	1-323283	4	Spacer-Shield	37:1		1	Idler Arm RH Assy ■
17	1-603402	2	Spring-Extension	37:1:4	302-19	1	Fitting-Grease
19	103-1619	1	Linkage,LH Brake	38	1-412358	2	Scraper
20	103-1620	1	Linkage,RH Brake	39	3296-29	4	Nut-Lock, NI
21	1-513959	2	Wingnut-Nylock	40	1-803051	2	Nut-Push

● QTY As Required

■ Not serviced separately

Engine Deck W/Transmission (cont.)



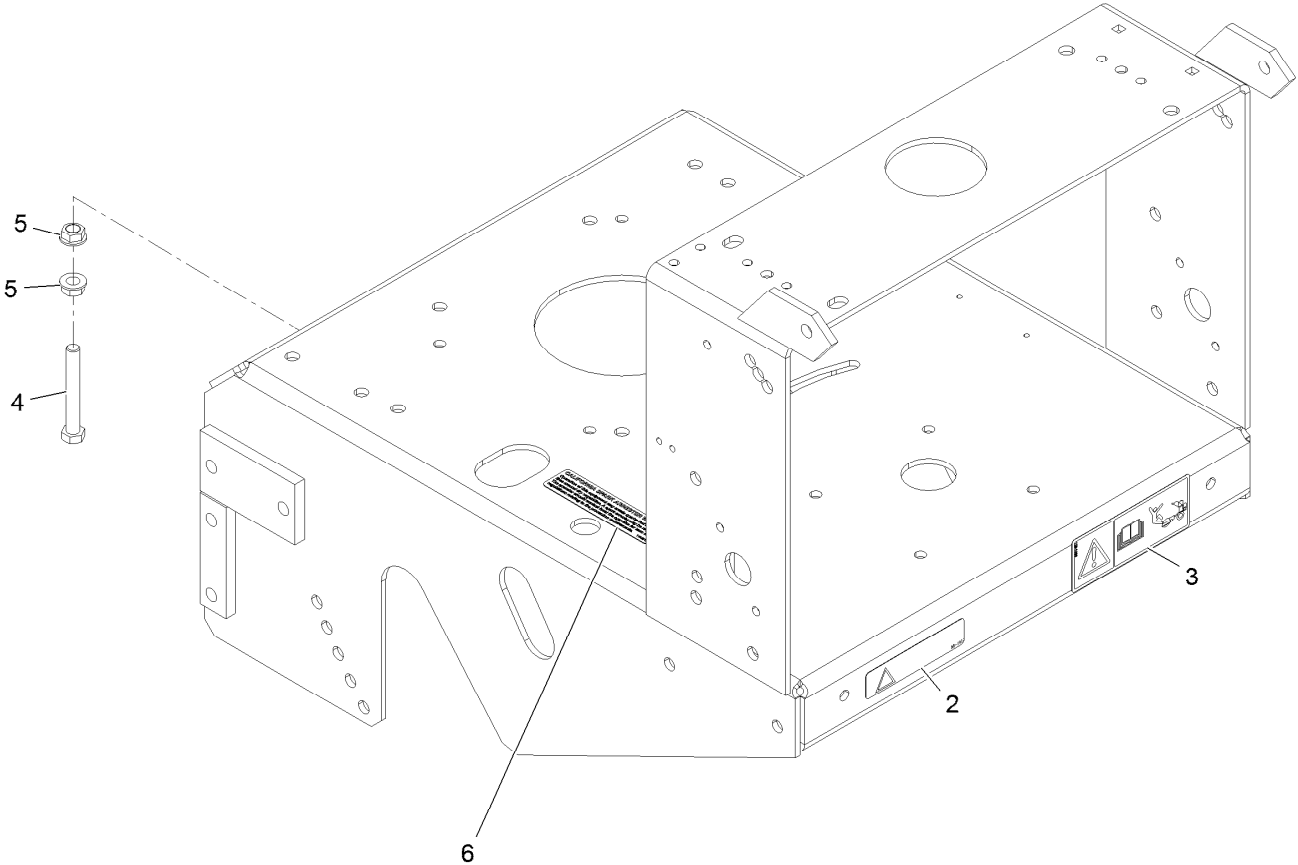
Engine Deck W/Transmission (cont.) (continued)

<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	1-323500	1	Transmission	18	1-323278	1	Sheave-Transmission ●
2	1-324340	2	Coupling, W/Guard And Zerk	19	1-323379	1	Washer
2:1	1-323680	1	Coupler	20	98-5975	1	Washer-Spring Disc 3/8
2:2	302-19	1	Zerk-1/4-28 Str	21	3296-6	1	Nut-Nyloc 3/8-24
2:3	51-4220	1	Guard-Coupler	22	3257-5	3	Key-Woodruff #9 3/4 X 3/16
3	1-323502	2	Shaft-Transmission	23	1-303282	1	Switch-Start, Neutral
4	1-323252	2	Bearing-Shaft ●	24	3231-6	1	Bolt-Carriage 3/8-16 X 2
5	1-323254	2	Flange-Output	25	3256-5	2	Washer-7/16 Std
6	103-6511	2	Sheave-Transmission ●	26	130-8362	1	Pulley-Idler, Flat
7	32151-62	2	Ring-Retaining	27	3256-24	1	Washer-3/8 Sae
8	1-805005	4	Washer-Lock 5/16 Heavy	28	321-3	4	Screw-HH 1/4-20 X 5/8
9	3245-41	2	Setscrew-1/4-20 X 3/8 ■	29	3296-42	4	Nut-Nyloc 1/4-20
10	1-323280	1	Belt, Transmission Drive	30	322-3	4	Screw-HH 5/16-18 X 3/4
11	3296-39	1	Nut-Nyloc 3/8-16	31	103-1606	1	Lever, Shift W/Grip
12	103-3498	1	Asm, Shifter Plate (1-323387-03) W/ Decals	31:2	103-1733	1	Grip Foam
12:2	98-3264	1	Decal-Speed, Ground	32	1-303186	1	Bellcrank
13	1-323389-03	2	Bracket-Plate, Shift	33	3290-357	1	Nut-Whizlock 3/8-16
14	3230-1	2	Bolt-Carriage 5/16-18 X 3/4	34	1-603403	1	Bolt-Shoulder
15	104-8300	2	Nut-Nyloc 5/16-18 Flg	35	1-513051	1	Switch-N.O.
16	3246-18	2	Setscrew-5/16-18 X 3/8 ■	36	3290-500	2	Screw-PPH #10-24 X 5/8
17	32144-11	4	Screw-HWH 5/16-18 X 3/4 Tf	37	1-633181	1	Plate-Tapped
				39	126-4345	1	Decal-Patent Ttco.Com

● Apply anti-seize compound in bore.

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

Engine Deck W/Decals Assembly No. 116-6131

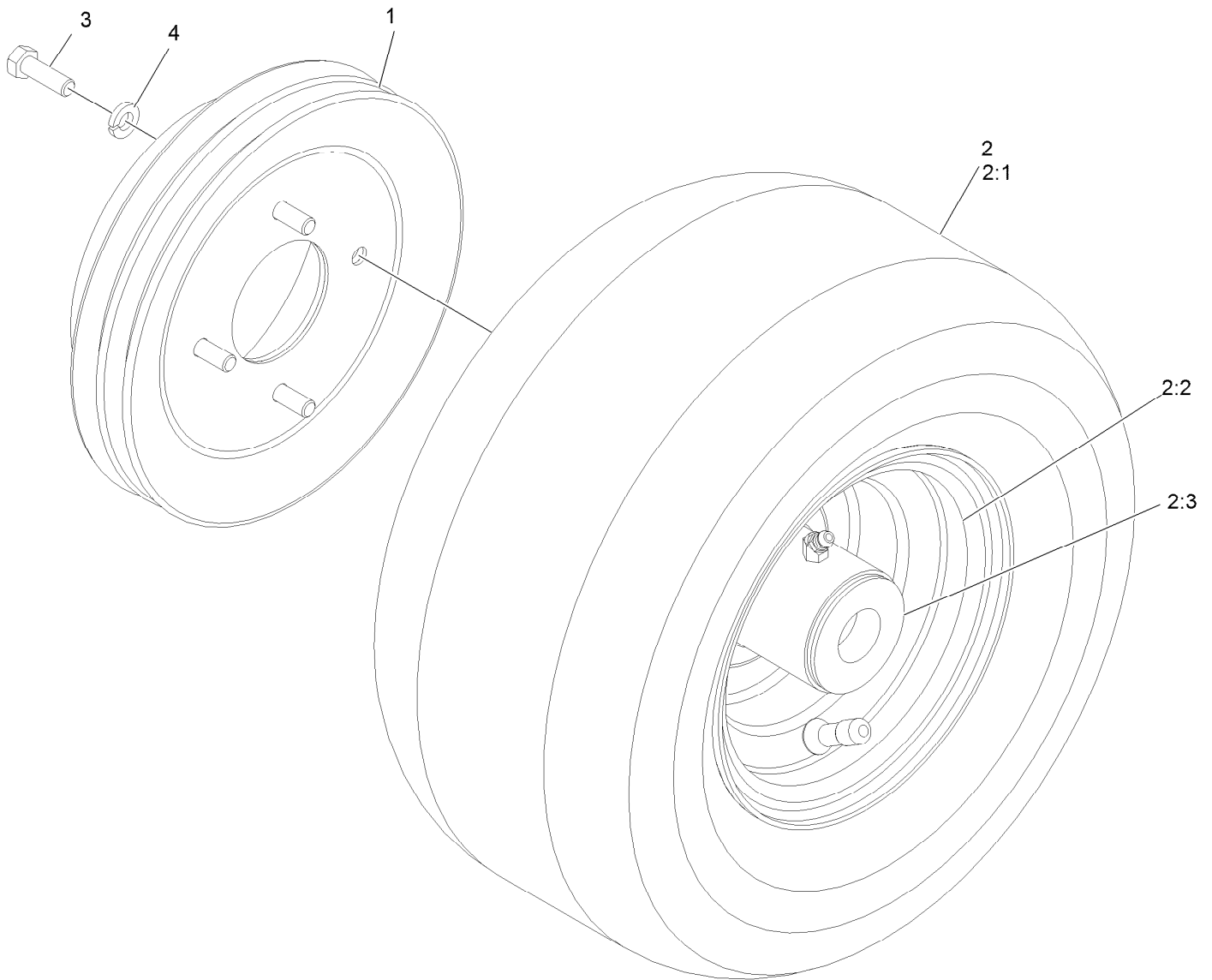


Engine Deck W/Decals Assembly No. 116-6131 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	98-1977	1	Decal-Warning
3	126-1400	1	Decal-Warning, Sulky
4	323-13	1	Screw-HH

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	3290-357	2	Nut-HHF, Whiz
6	117-2718	1	Decal-Arrester, Spark

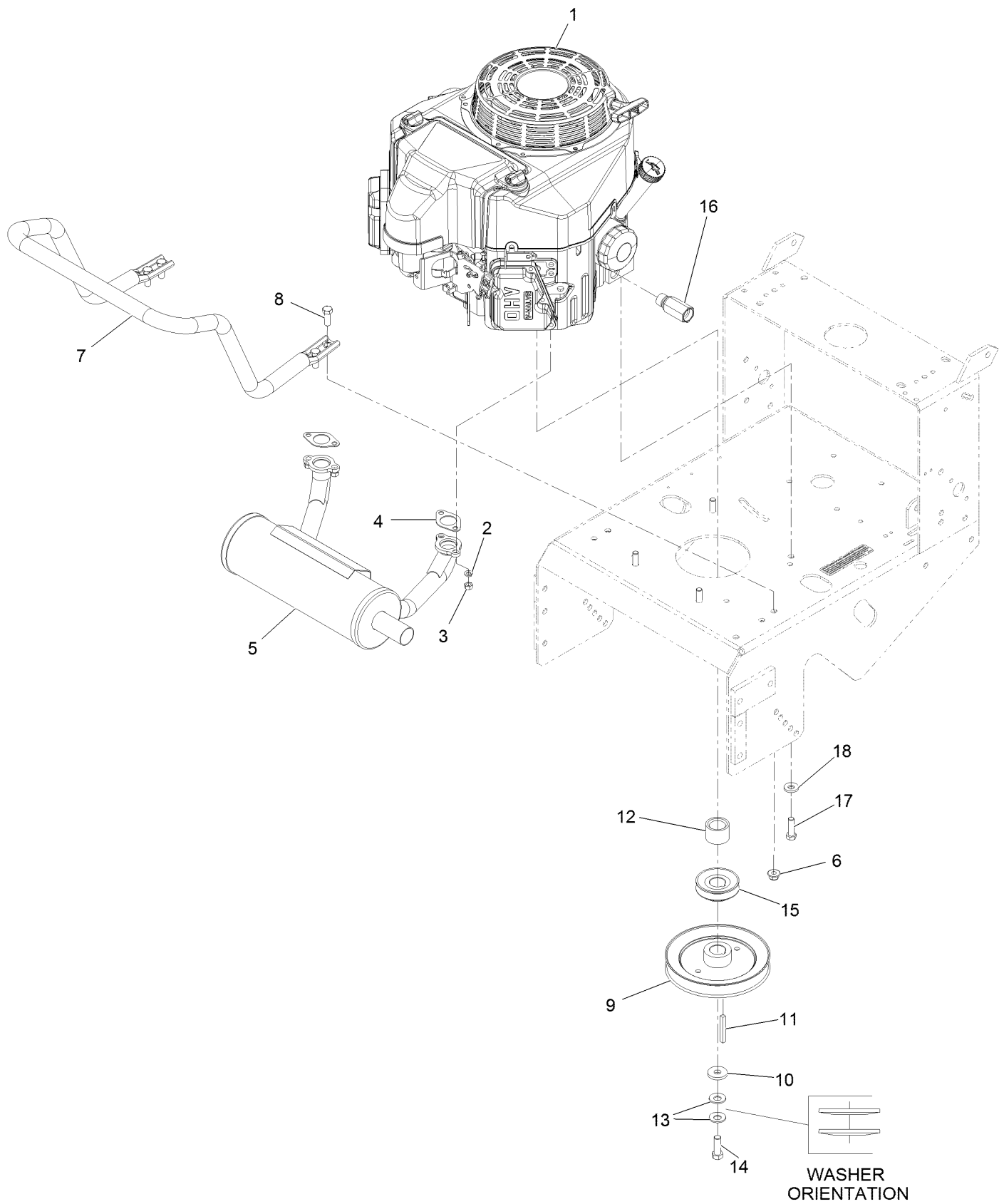
Wheel and Tire Assembly



Wheel and Tire 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	109-4359	1	Drum And Sheave ASM	2:3	1-323329	2	Bearing-Flanged
2	130-8364	1	Wheel And Tire ASM	3	322-5	4	Screw-HH 5/16-18 X 1
2:1	130-8367	1	Tire	4	1-805005	4	Washer-Lock 5/16 Heavy
2:2	1-323328	1	Wheel And Hub ASM				

Engine Assembly



Engine 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 ●▲	10	1-373034	1	Washer
2	114-3550	4	Washer-Lock, Spring	11	103-4177	1	Key
3	114-3549	4	Nut-M8	12	1-633453	1	Spacer-Clutch
4	1-653313	2	Gasket-Exhaust	13	1-603610	2	Washer-Spring Disc 7/16
5	116-3735	1	Muffler-Horizontal	14	116-3702	1	Screw-HH ♦
6	104-8301	4	Nut-Nyloc 3/8-16 Flg	15	103-1666	1	Sheave-Transmission ■
7	116-6278-03	1	Guard-Muffler	16	103-2587	1	Adapter
8	323-6	4	Screw-HH 3/8-16 X 1	17	323-7	4	Screw-HH 3/8-16 X 1 1/4
9	103-1667	1	Sheave ■	18	98-5975	4	Washer-Spring Disc 3/8

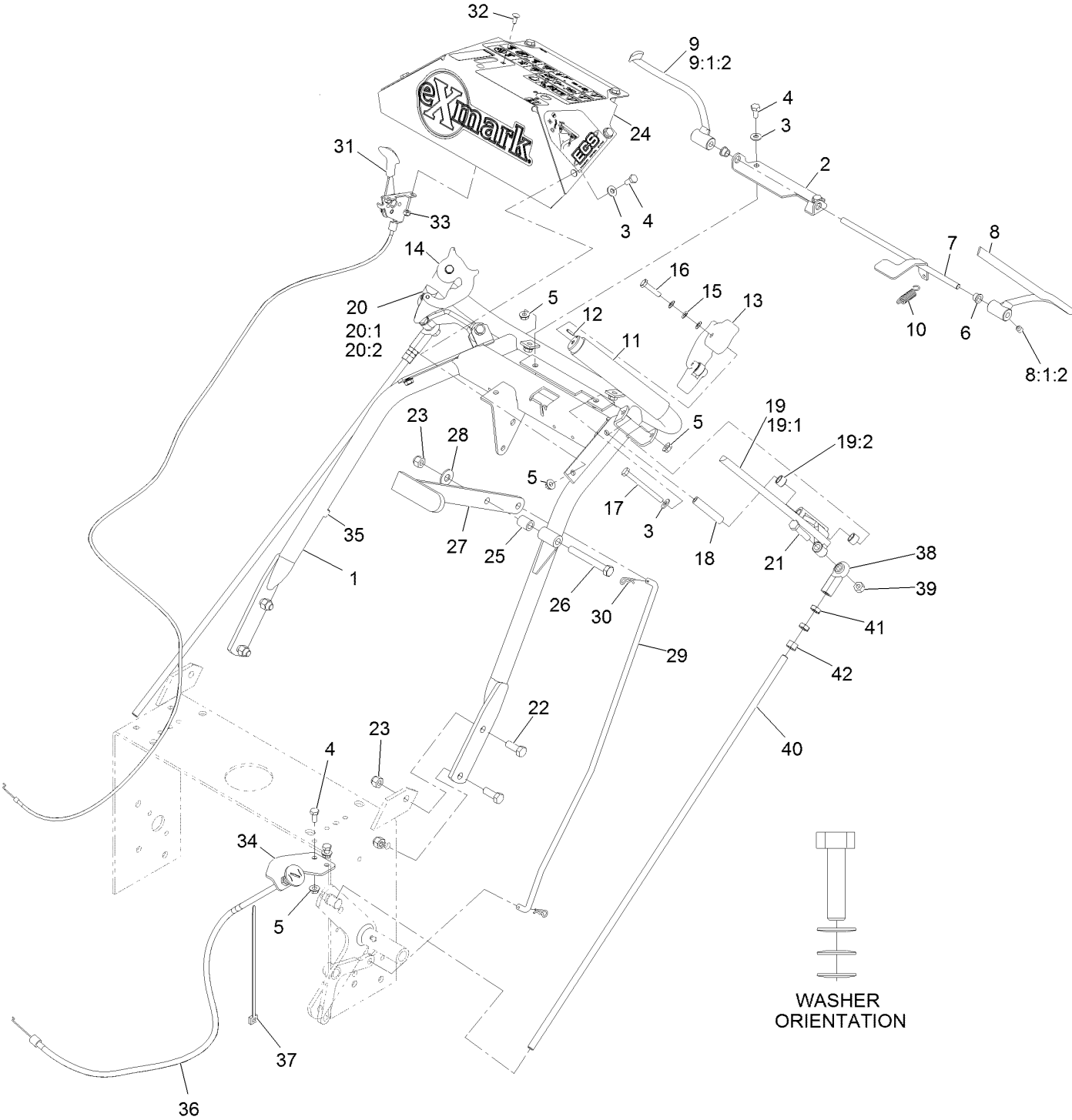
● Not serviced separately

▲ Obtain parts from www.kawpowerepc.com

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

■ Apply anti-seize compound in bore.

ECS Upper Handle and Controls



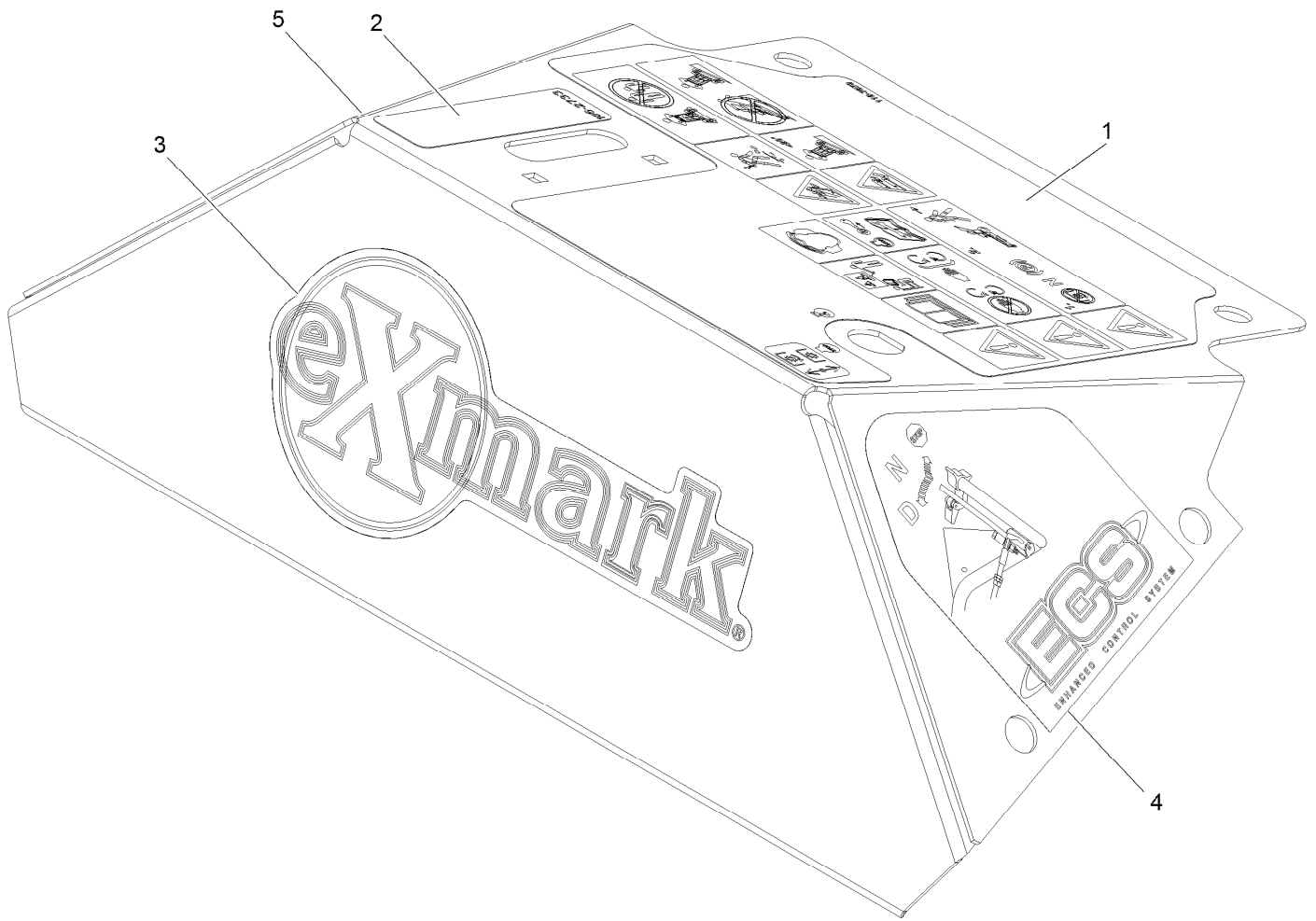
ECS Upper Handle and Controls (continued)

<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	103-0770-03	1	Handle Weldment (1-412449)	20:2	1-413152	2	Bushing-Sleeve
2	103-0489-03	1	Bracket, Opc Axle	21	322-9	2	Screw-HH 5/16-18 X 1 3/4
3	3256-22	10	Washer-1/4 Sae	22	323-6	4	Screw-HH 3/8-16 X 1
4	321-3	10	Screw-HH 1/4-20 X 5/8	23	3296-39	5	Nut-Nyloc 3/8-16
5	32128-33	12	Nut-Whizlock 1/4-20	24	109-4934	1	Asm, Console (109-4649-03) W/Decals
6	1-303365	2	Bushing-Nylon	25	1-633080	1	Spacer
7	103-0769-03	1	Rod Weldment, Opc	26	323-14	1	Screw-HH 3/8-16 X 3
8	116-4079	1	Wld,LH Opc Lever ■	27	103-1629	1	Clutch Lever W/Grip
8:1:2	1-803322	1	Setscrew-5/16-24 X 5/16 ●	28	3256-4	1	Washer-3/8 Std
9	116-4080	1	Wld,RH Opc Lever ■	29	103-1627	1	Linkage, Upper
9:1:2	1-803322	1	Setscrew-5/16-24 X 5/16 ●	30	1-806003	2	Hairpin-Cotter
10	1-303363	1	Spring-Extension	31	116-2426	1	Control, Throttle
11	103-0815	2	Grip-Bar, Handle	31	116-2426RT02	1	Control, Throttle
12	126-2925	2	Pin-Spring	32	1-807513	2	Bolt-Carriage #10-24 X 1/2
13	103-1631	1	Latch, Thumb LH	33	3296-2	2	Nut-Nyloc #10-24
14	103-1630	1	Latch, Thumb RH	34	103-1797-01	1	Bracket-Cable, Choke
15	1-303435	6	Washer-Spring Disc 1/4	35	1-303088	1	Clip-Cable
16	103-0235	2	Screw-HH 1/4-20 X 1 1/8 W/Nylon	36	103-1796	1	Cable-Choke
17	321-14	2	Screw-HH 1/4-20 X 2 3/4	36	103-1796RT01	1	Cable-Choke
18	103-0027	2	Bushing-Lever, Drive	37	1-303335	1	Tie-Cable 7 15/16 (Large)
19	103-2514	1	Asm, Drive Lever LH	38	103-2463	2	Balljoint
19:1	116-4081	1	Wld,LH Drive Lever	39	3296-29	2	Nut-Nyloc 5/16-18
19:2	1-413152	2	Bushing-Sleeve	40	103-1604	2	Linkage, Wheel Drive
20	103-2513	1	Asm, Drive Lever RH	41	3220-3	4	Nut-Jam 3/8-24
20:1	116-4082	1	Wld,RH Drive Lever	42	3219-3	2	Nut-Hex 3/8-24

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

■ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on inside of bore of OPC hub.

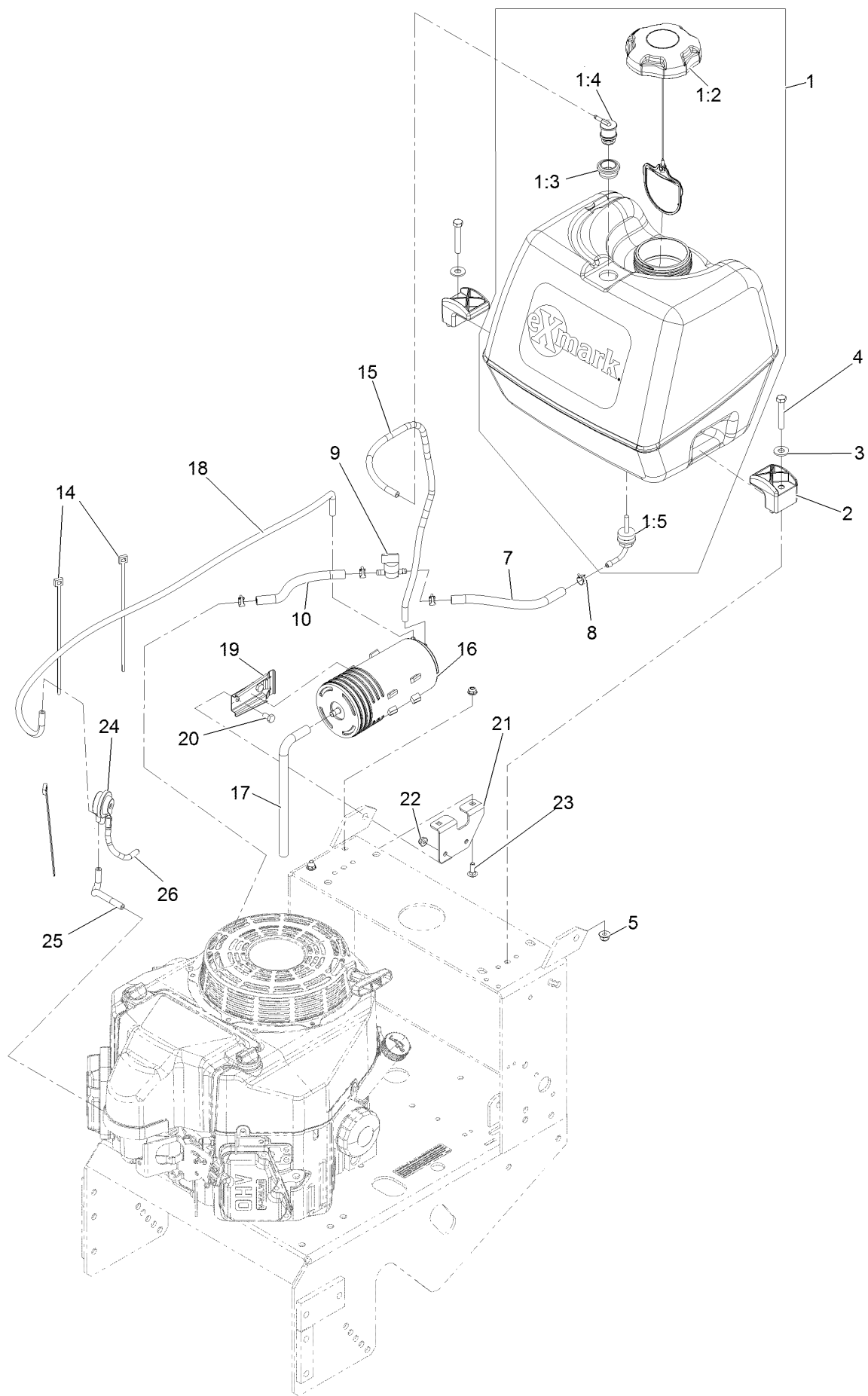
Console W/Decals Assembly



Console W/Decals 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	116-7879	1	Decal-Console Metro Ecs	4	103-2244	1	Decal, LH Ecs Instruction
2	106-2733	1	Decal-Throttle	5	103-2245	1	Decal, RH Ecs Instruction
3	126-6877	1	Decal, Exmark Logo				

Fuel Assembly



Fuel 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	126-1525	1	ASM, Fuel Tank	15	114-0286	1	Hose-Vent
1:2	120-5461	1	Cap-Fuel, Ratcheting	16	117-1221	1	Canister-Carbon, 800Cc
1:3	114-0284	1	Grommet	17	115-0962	1	Hose-Vent, Canister
1:4	119-3547	1	Valve-Vent, Fuel	18	116-2231	1	Hose-Vent, Formed
1:5	103-2605	1	Fitting-Fuel, Bulkhead ♦	19	114-0292	1	Bracket-Canister, Carbon
2	107-4543	2	Clamp	20	321-2	2	Screw-HH
3	3256-3	2	Washer-Flat	21	115-4486-01	1	Bracket-Canister, Carbon
4	322-10	2	Screw-HH	22	104-7201	4	Nut-Flange, NI
5	104-8300	2	Nut-Flange, NI	23	3229-1	2	Bolt-CARR
7	109-0650	1	Hose-Fuel	24	116-2232	1	Valve-Control, Vacuum
8	2412-98	4	Clamp-Hose	25	116-2233	1	Hose-Vent, Formed
9	1-603770	1	Valve-Fuel	26	116-2394	1	Hose-Vent, Formed
10	99-9415	1	Hose-Fuel	28		1	Pn 41019-1055 Filter W/6In Fuel Line ●■▲
14	1-303335	3	Tie-Plastic				

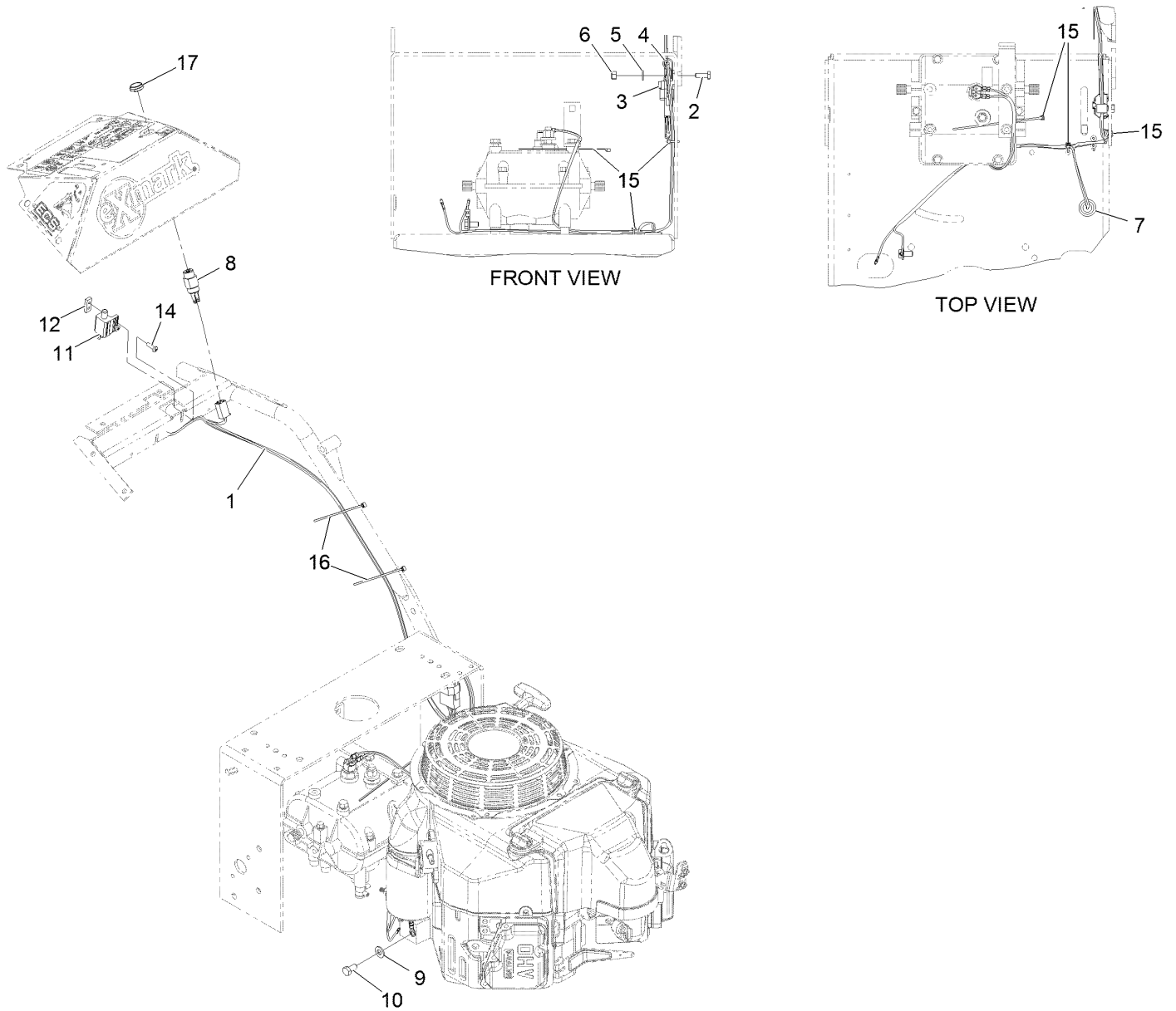
● Not illustrated

▲ Obtain parts from www.kawpowerepc.com

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

■ Not serviced separately

Electrical Assembly



Electrical 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	116-2661	1	Harness-Wire ●	9	33094-00	1	Washer
2	321-4	1	Screw-HH 1/4-20 X 3/4	10	33114-016	1	Screw-HH M8-1.25 X 16Mm
3	1-323430	1	Module-Interlock	11	1-513051	1	Switch-N.O.
4	1-513762	1	Clip-Loom 1/2	12	1-633181	1	Plate-Tapped
5	3256-22	1	Washer-1/4 Sae	14	3290-500	2	Screw-PPH #10-24 X 5/8
6	3296-42	1	Nut-Nyloc 1/4-20	15	1-303287	3	Tie-Cable 5 1/2 (Small)
7	1-543296	1	Grommet	16	1-303287	2	Tie-Cable 5 1/2 (Small)
8	1-403121	1	Switch & Key (Includes Nut & Washer)	17	103-0498	1	Nut-Ignition

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

Notes:

MAXIMIZE THE PERFORMANCE OF YOUR EXMARK.

4-CYCLE PREMIUM ENGINE OIL

Part No. 116-3373

Both SAE 30 and SAE 10W-30 in one bottle.

Contains increased levels of zinc and phosphorus for better lubricity.

No Viscosity Index Improvers that tend to shear down in high heat.

Synthetic formulation.

Gas & Diesel compatible.

Anti-corrosion additives.

API 'SL' and JASO rated with wet clutch compatibility for other machines.

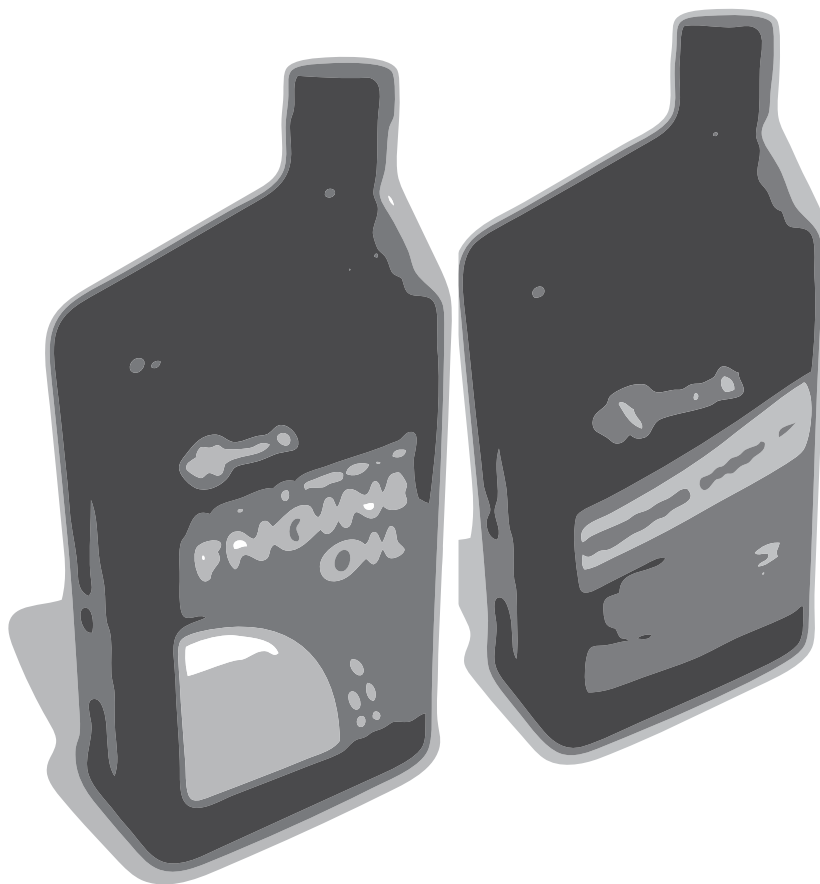
PREMIUM HYDRO OIL

Part No. 109-9828

Commercial quality for tough, high-heat conditions.

Designed specifically for zero-turn mower hydraulic systems.

Superior shear resistance under heavy loads.



Available from your local Exmark dealer. Find your closest dealer at exmark.com

EXMARK ACCESSORIES AND OPTIONS*

MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	OPERATOR CONTROLLED DISCHARGE
FULL SUSPENSION SEAT	SUN SHADE
DECK LIFT ASSIST KIT	TRASH CONTAINER
HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
MICRO-MULCH SYSTEM	

OUT-FRONT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	SNOW BLADE
DUAL-TAIL WHEEL	SNOWBLOWER
FLOOR PAN EXTENDER	SUN SHADE
HITCH KIT	TRASH CONTAINER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
MICRO-MULCH SYSTEM	ULTRA VAC QUICK DISPOSAL SYSTEM
ROLL OVER PROTECTION SYSTEM (ROPS)	WEATHER CAB

WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	STANDON

*Some accessories and options not available for some models.

Place Model No. and Serial No.
Label Here (Included in the Literature
Pack) or Fill in Below

Model No. _____

Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

© 2015 Exmark Mfg. Co., Inc.
Industrial Park Box 808
Beatrice, NE 68310
All Rights Reserved

Part No. 4502-562 Rev. A
(402) 223-6300
Fax (402) 223-5489
Printed in the USA.



* 4 5 0 2 - 5 6 2 * A

www.exmark.com