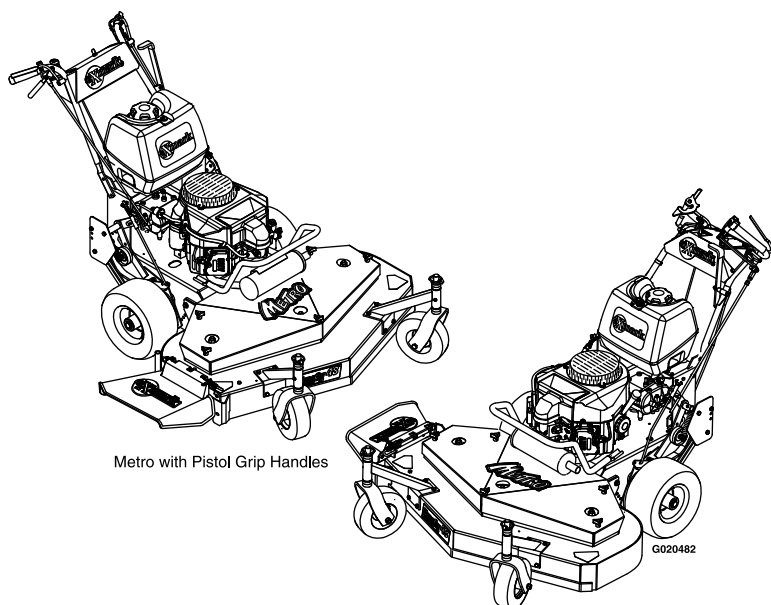




METRO®

Model No. MG481KA362CA—Serial No. 313000000 and Up

Picture below may not reflect actual product.



Metro with Pistol Grip Handles

Metro with ECS Handles

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

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquefied Petroleum Gas

LPG: Liquefied Petroleum Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

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).

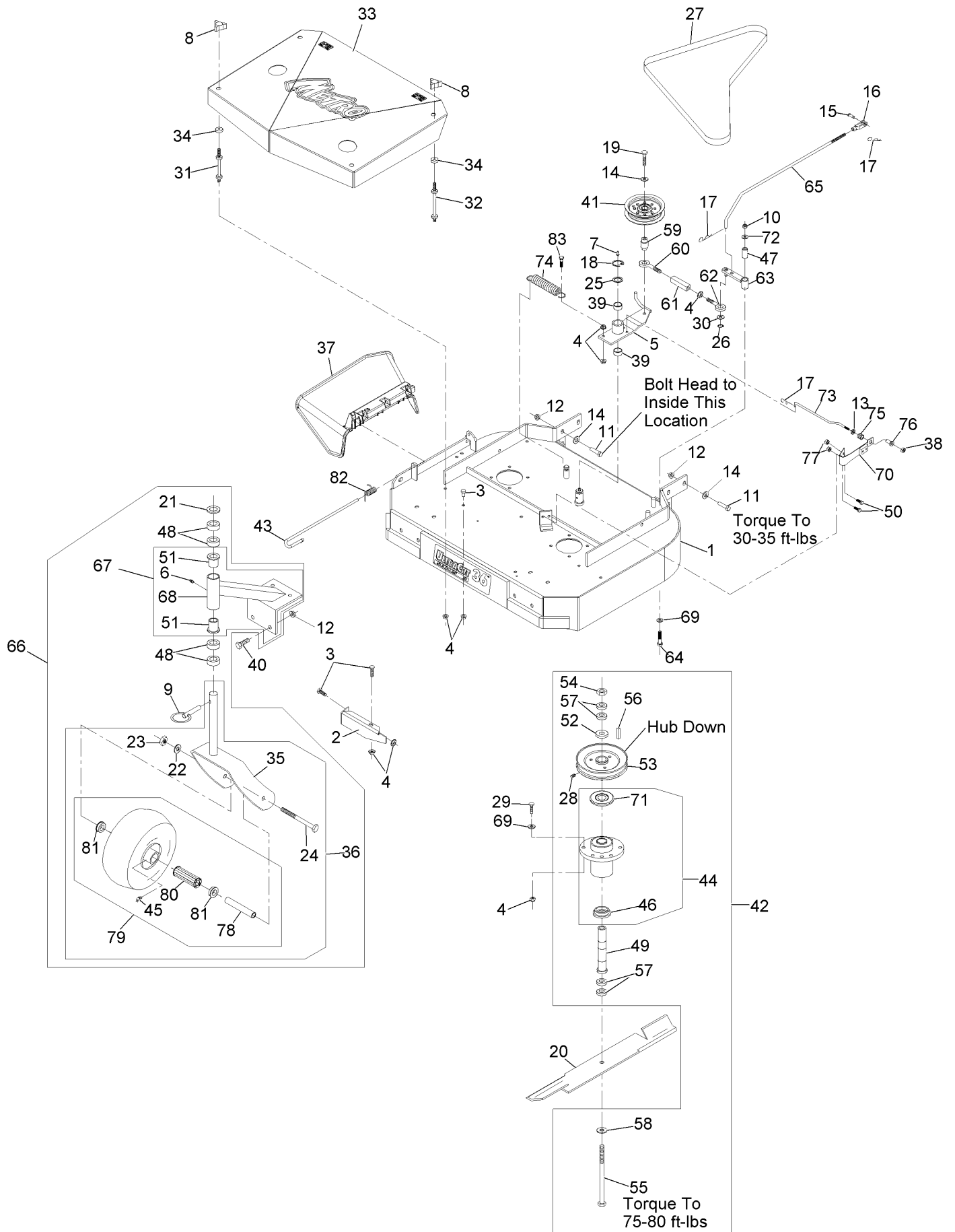


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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Engine Deck Assembly (cont.)	8
ECS Upper Handle and Controls	10
Fuel Tank Assembly	12
Decals	13

Mower Deck Assembly



Mower Deck Assembly (continued)

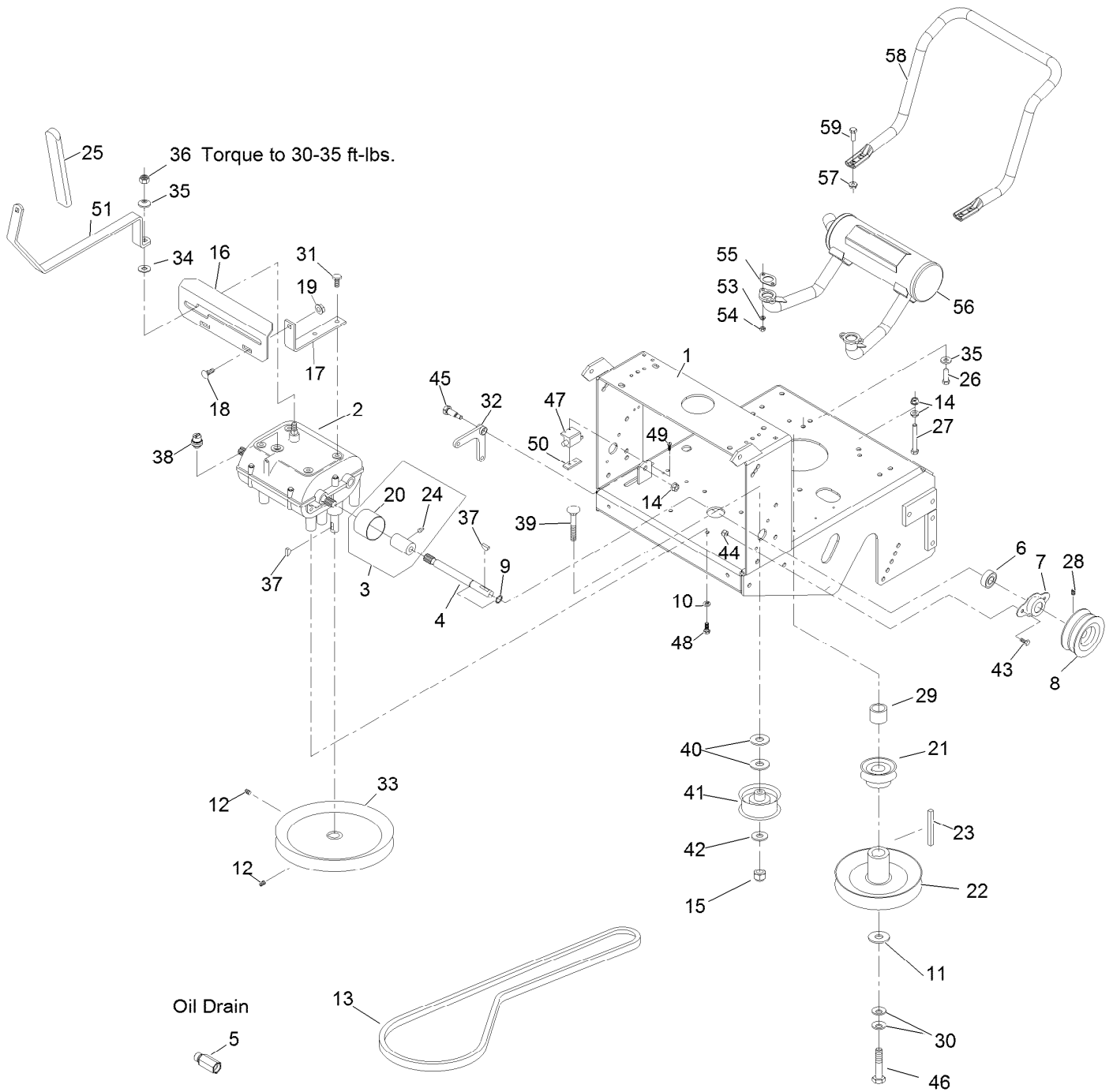
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	103-2312	1	Deck (116-0616-01) W/Decals And Dogleg (36")	43	109-8854	1	Pin-Chute
2	116-1730-01	1	Baffle-Dogleg	44	103-8280	2	Asm, Cutter Housing W/Bearings ▲
3	322-2	7	Screw-HH 5/16-18 X 5/8	45	302-61	2	Zerk-45° 1/4-28
4	32128-20	22	Nut-Whizlock 5/16-18	46	103-2535	2	Spacer-Guard Bottom
5	103-3600	1	Idler Arm ASM	47	1-403179	1	Tube-Pivot
6	302-52	2	Zerk-1/8-27 Str	48	1-303314	8	Spacer-Caster
7	302-19	1	Zerk-1/4-28 Str	49	1-323529	2	Tube-Spindle, Short ▲
8	1-323385	4	Knob-3 Prong	50	321-4	2	Screw-HH 1/4-20 X 3/4
9	1-809020	2	Pin	51	1-303514	4	Bearing-Flanged
10	3296-29	1	Nut-Nyloc 5/16-18	52	1-323339	2	Washer
11	323-8	8	Screw-HH 3/8-16 X 1 1/2	53	1-403183	2	Sheave
12	3290-357	16	Nut-Whizlock 3/8-16	54	3219-6	2	Nut-Hex 5/8-18
13	1-323748	1	Ring-Push On	55	1-800861	2	Screw-Cap, HH
14	98-5975	9	Washer-Spring Disc 3/8	56	1-807267	2	Key-Machine 1/4 X 3/16 X 1 1/4
15	1-808280	1	Pin-Clevis 5/16 X 1 49/64	57	1-323539	8	Spacer-Blade Drive
16	1-303105	1	Yoke-Adjustable	58	1-513208	2	Washer-Spring Disc 5/8
17	1-806003	3	Hairpin-Cotter	59	1-303434	1	Bushing-Engagement
18	32151-103	1	E-Ring	60	1-303348	1	Eyebolt-Thread, LH
19	702809	1	Screw-HH	61	1-303236	1	Body-Turnbuckle
20	103-6584	2	Blade, 18.00 Notched	62	1-303238	1	Eyebolt-Thread, RH
20	103-6582	2	Blade, 18.00 Mulching ■	63	1-322235	1	Arm-Assist
20	103-6580	2	Blade, 18.00 Low Lift	64	322-10	1	Screw-HH 5/16-18 X 2
20	103-1578	2	Blade, Solid 18.00	65	1-323303	1	Linkage-Arm
20	116-5176	2	Blade, Extreme (36)	66	103-2281	2	Caster/Mount, Complete
21	1-513338	2	Washer	67	103-2296	2	Caster Whl Support W/Bearings, Weighted
22	3253-7	2	Washer-Lock 1/2	68	103-2297-01	2	Caster Whl Support Wldmnt, Weighted
23	3217-9	2	Nut-Hex 1/2-13	69	1-303334	9	Washer-Spring Disc 5/16
24	325-20	2	Screw-HH 1/2-13 X 6	70	1-324372	1	Pad And Spring ASM
25	1-303352	1	Washer-Spindle	71	103-1330	2	Guard-Bearing Top ▲
26	32120-35	1	E-Ring	72	3256-3	1	Washer-5/16 Std
27	1-323733	1	Drive Belt (To Blades)	73	1-323715	1	Rod-Brake
28	3246-18	2	Setscrew-5/16-18 X 3/8 ●	74	1-323071	1	Spring-Extension
29	322-6	9	Screw-HH 5/16-18 X 1 1/4	75	1-323747	1	Spring-Compression
30	3256-23	1	Washer-5/16 Sae	76	1-323746	1	Spacer-Flanged
31	1-303537	2	Stud-Shield, Belt (Short)	77	3296-42	2	Nut-Nyloc 1/4-20
32	1-303536	2	Stud-Shield, Belt (Long)	78	1-513547	2	Spacer
33	116-2706	1	Shield (1-302213-01) W/Decals	79	103-2171	2	Kit,Semi-Pneumatic Wheel Replacement
34	1-323417	4	Washer-Belt Shield	80	1-513809	1	Bearing
35	1-322145-01	2	Fork	81	1-513810	4	Bushing-Flanged
36	103-1236	2	Caster Wheel Assembly	82	116-0962	1	Spring, Torsion
37	109-5151	1	Deflector-Discharge	83	116-3515	1	Screw,HH Special 5/16-18 X 1.25
38	3296-56	1	Nut-Nyloc 1/4-20 Thin				
39	1-323729	2	Sleeve-Bearing				
40	323-4	8	Screw-HH 3/8-16 X 3/4				
41	116-3626	1	Pulley-Idler				
42	103-8387	2	Asm, Cutter Housing Complete				

● 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.

Engine Deck Assembly



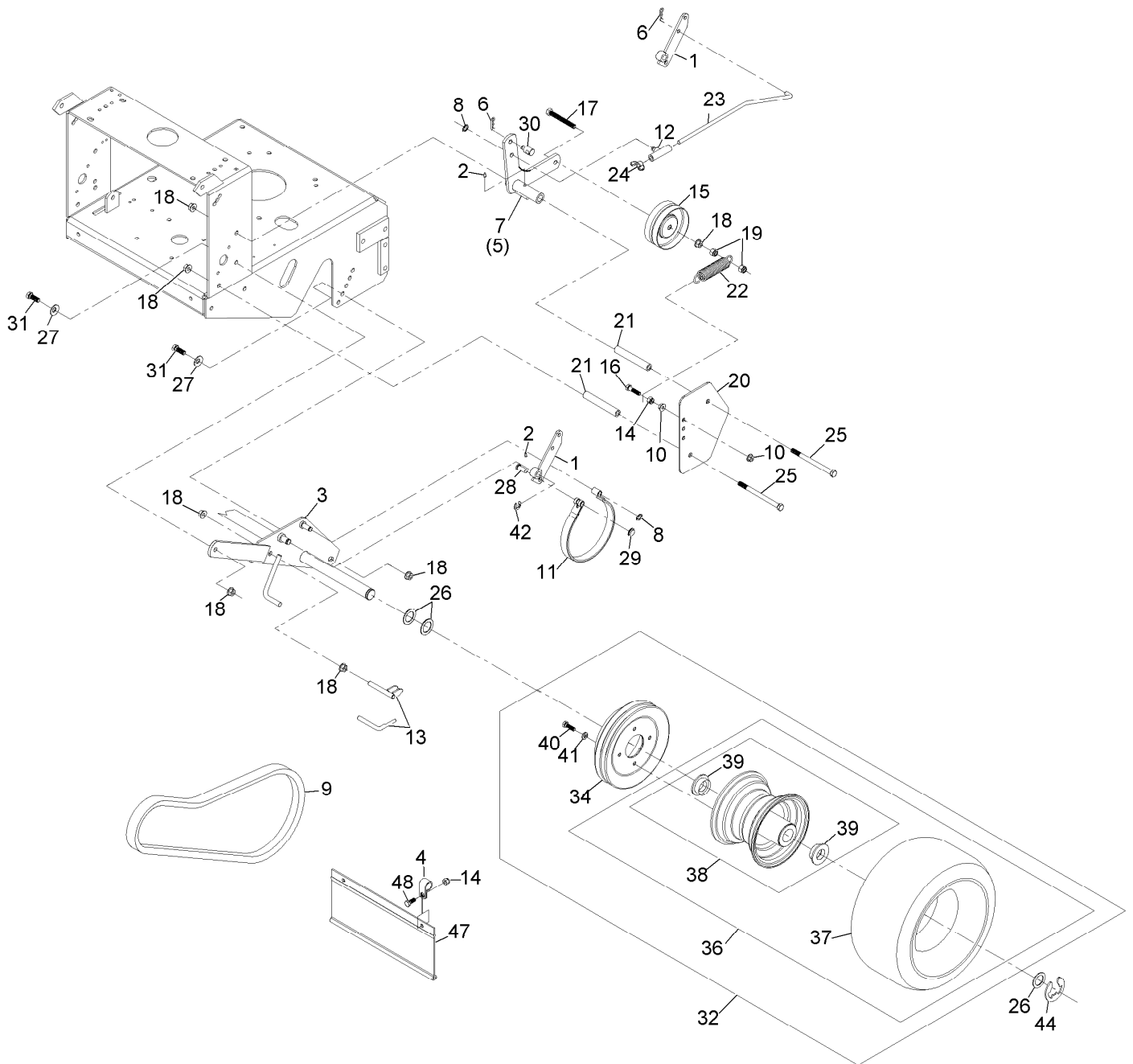
Engine Deck Assembly (continued)

<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	116-6131	1	Rear Deck (116-6084-01) W/Decals	29	1-633453	1	Spacer-Clutch
2	1-323500	1	Transmission	30	1-603610	2	Washer-Spring Disc 7/16
3	1-324340	2	Coupling, W/Guard And Zerk	31	32144-11	4	Screw-HWH 5/16-18 X 3/4 Tf
4	1-323502	2	Shaft-Transmission	32	1-303186	1	Bellcrank
5	103-2587	1	Adapter	33	1-323278	1	Sheave-Transmission ●
6	1-323252	2	Bearing-Shaft ●	34	1-323379	1	Washer
7	1-323254	2	Flange-Output	35	98-5975	5	Washer-Spring Disc 3/8
8	103-6511	2	Sheave-Transmission ●	36	3296-6	1	Nut-Nyloc 3/8-24
9	32151-62	2	Ring-Retaining	37	3257-5	3	Key-Woodruff #9 3/4 X 3/16
10	1-805005	4	Washer-Lock 5/16 Heavy	38	1-303282	1	Switch-Start, Neutral
11	1-373034	1	Washer	39	3231-6	1	Bolt-Carriage 3/8-16 X 2
12	3245-41	2	Setscrew-1/4-20 X 3/8 ■	40	3256-5	2	Washer-7/16 Std
13	1-323280	1	Belt, Transmission Drive	41	1-323285	1	Pulley-Idler, Flat
14	3290-357	3	Nut-Whizlock 3/8-16	42	3256-24	1	Washer-3/8 Sae
15	3296-39	1	Nut-Nyloc 3/8-16	43	321-3	4	Screw-HH 1/4-20 X 5/8
16	103-3498	1	Asm, Shifter Plate (1-323387-03) W/ Decals	44	3296-42	4	Nut-Nyloc 1/4-20
17	1-323389-03	2	Bracket-Plate, Shift	45	1-603403	1	Bolt-Shoulder
18	3230-1	2	Bolt-Carriage 5/16-18 X 3/4	46	116-3702	1	Screw-HH ■
19	104-8300	2	Nut-Nyloc 5/16-18 Flg	47	1-513051	1	Switch-N.O.
20	51-4220	2	Guard-Coupler	48	322-3	4	Screw-HH 5/16-18 X 3/4
21	103-1666	1	Sheave-Transmission ●	49	3290-500	2	Screw-PPH #10-24 X 5/8
22	103-1668	1	Sheave ●	50	1-633181	1	Plate-Tapped
23	103-4177	1	Key	51	103-1606	1	Lever, Shift W/Grip
24	302-19	2	Zerk-1/4-28 Str	53	114-3550	4	Washer-Lock, Spring
25	103-1733	1	Grip Foam	54	114-3549	4	Nut-M8
26	323-7	4	Screw-HH 3/8-16 X 1 1/4	55	1-653313	2	Gasket-Exhaust
27	323-13	1	Screw-HH 3/8-16 X 2 3/4	56	116-3734	1	Muffler-Horizontal, Offset
28	3246-18	2	Setscrew-5/16-18 X 3/8 ■	57	104-8301	4	Nut-Nyloc 3/8-16 Flg
				58	116-6278-03	1	Guard-Muffler
				59	323-6	4	Screw-HH 3/8-16 X 1

● Apply anti-seize compound in bore.

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

Engine Deck Assembly (cont.)

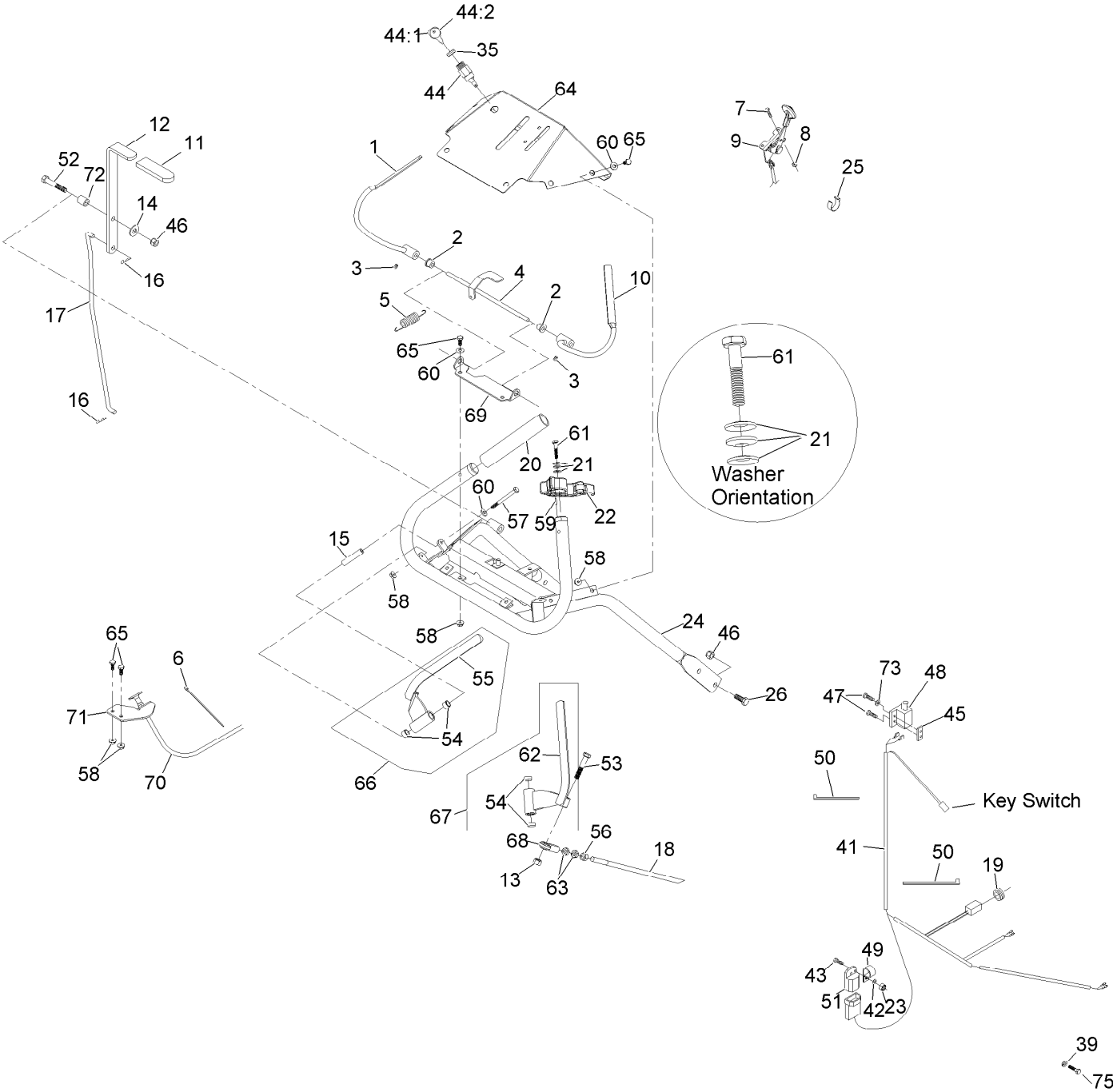


Engine Deck Assembly (cont.) (continued)

<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	103-1611-03	2	Arm-Brake	23	103-1620	1	Linkage,RH Brake
2	302-19	4	Zerk-1/4-28 Str	24	1-513959	2	Wingnut-Nyloc 5/16
3	1-322117-03	1	Axle	25	323-39	4	Screw-HH 3/8-16 X 5
4	2412-104	2	Clamp-R	26	1-523157	1	Washer ●
5	116-7542-03	1	LH Idler Arm ASM	26	1-543436	1	Washer-Spacer ●
6	1-806003	2	Hairpin-Cotter	27	98-5975	4	Washer-Spring Disc 3/8
7	116-7543-03	1	RH Idler Arm ASM	28	1-323307	2	Pin-Clevis 1/2 X 1
8	32151-47	4	Ring-Retaining	29	1-803051	2	Nut-Push 3/8
9	1-323288	2	Belt, Wheel Drive	30	103-1618	2	Swivel, Short
10	32128-20	4	Nut-Whizlock 5/16-18	31	323-6	4	Screw-HH 3/8-16 X 1
11	1-323262	2	Band-Brake	32	109-4721	2	Asm, Wheel Drive (36" And 48" Models)
12	110-5866	2	Swivel-Brake	34	109-4359	2	Drum And Sheave ASM
13	1-412358	2	Scraper	36	1-323719	2	Wheel And Tire ASM
14	3296-29	4	Nut-Nyloc 5/16-18	37	1-323720	1	Tire-Turfmaster
15	1-323277	2	Idler-Wheel, Drive	38	1-323328	1	Wheel And Hub ASM
16	322-6	2	Screw-HH 5/16-18 X 1 1/4	39	1-323329	4	Bearing-Flanged
17	99-8664	2	Bolt-HH 3/8-16 X 3 Tap	40	322-5	8	Screw-HH 5/16-18 X 1
18	3290-357	14	Nut-Whizlock 3/8-16	41	1-805005	8	Washer-Lock 5/16 Heavy
19	3296-39	4	Nut-Nyloc 3/8-16	42	32120-47	2	Ring-Retaining
20	1-323287-01	2	Shield-Wheel, Drive	44	1-808519	2	Ring-Snap
21	1-323283	4	Spacer-Shield	47	98-3259	1	Shield-Trailing
22	1-603402	2	Spring-Extension	48	322-3	2	Screw-HH 5/16-18 X 3/4
23	103-1619	1	Linkage,LH Brake				

● QTY As Required

ECS Upper Handle and Controls



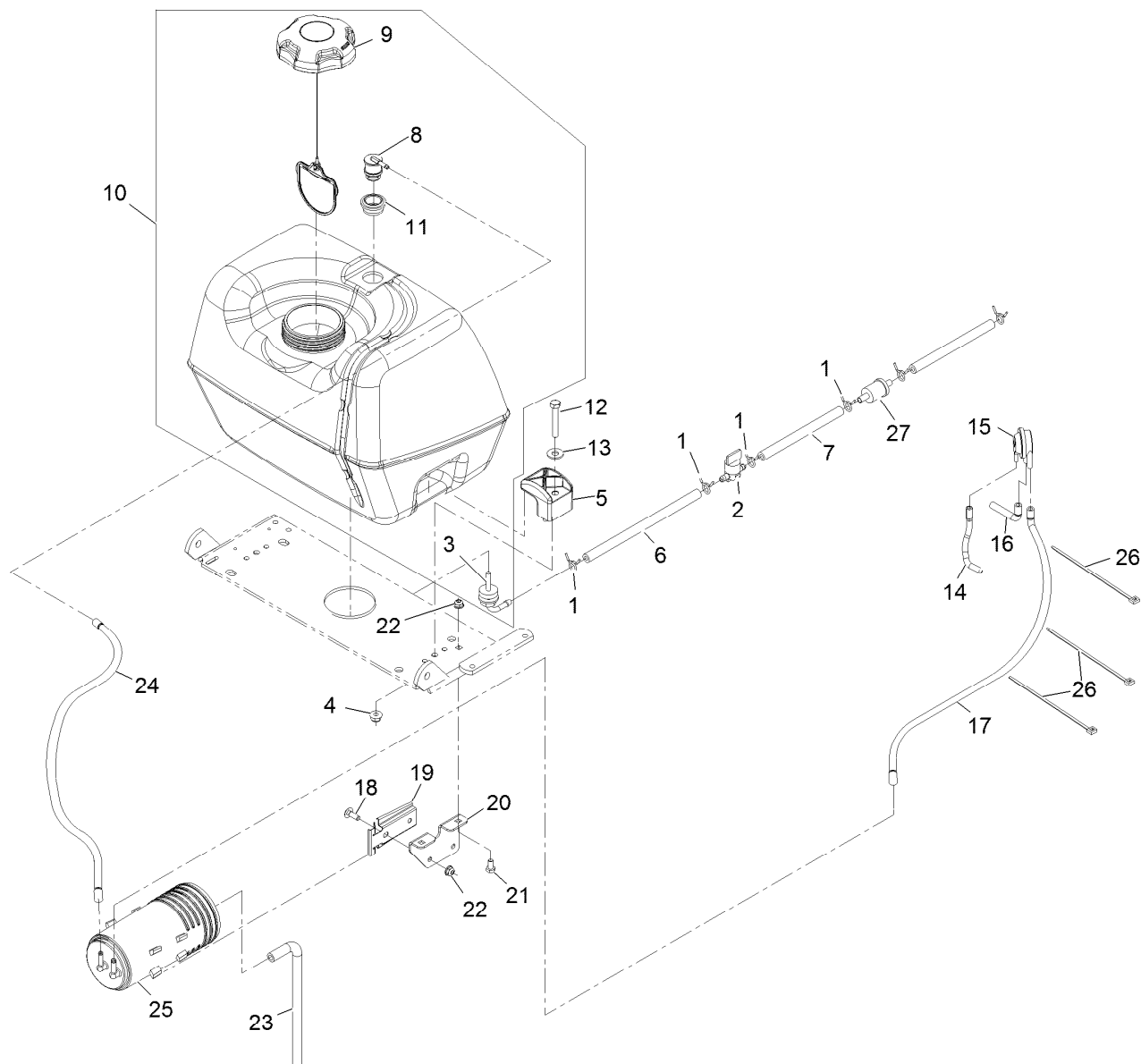
ECS Upper Handle and Controls (continued)

<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	116-4079	1	Wld, Lever, Opc (LH) ▲	44:1	1-603511	1	Keys, Ignition
2	1-303365	2	Bushing-Nylon	44:2	103-2106	1	Key, Exmark Logo
3	1-803322	2	Screw-Set ■	45	1-633181	1	Plate-Tapped
4	103-0769-03	1	Rod Weldment, Opc	46	3296-39	5	Nut-Lock, NI
5	1-303363	1	Spring-Extension	47	3290-500	2	Screw-PPH
6	1-303335	1	Tie-Plastic	48	1-513051	1	Switch-Open, Normally
7	1-807513	2	Bolt-CARR	49	1-513762	1	Clip-Loom
8	3296-2	2	Nut-Lock, NI	50	1-303287	6	Tie-Cable
9	116-2426	1	Cable, Throttle	51	1-323430	1	Module-Interlock
10	116-4080	1	Wld, Opc Lever (RH) ▲	52	323-14	1	Screw-HH
11	1-303020	1	Grip-Lever	53	322-9	2	Screw-HH
12	103-1629	1	Clutch Lever W/Grip	54	1-413152	4	Bushing-Sleeve
13	3296-29	2	Nut-Lock, NI	55	116-4081-03	1	Lever, Drive LH
14	3256-4	1	Washer-Flat	56	3219-3	2	Nut-Hex
15	103-0027	2	Bushing-Lever, Drive	57	321-14	2	Screw-HH
16	1-806003	2	Pin-Cotter, Hair	58	32128-33	12	Nut-HF
17	103-1627	1	Linkage, Upper	59	103-0464	2	Pin-Spring
18	103-1604	2	Linkage, Wheel Drive	60	3256-22	10	Washer-Flat
19	1-543296	1	Grommet	61	103-0235	2	Screw-HH ■
20	103-0815	2	Grip-Bar, Handle	62	116-4082-03	1	Lever, Drive RH
21	1-303435	6	Washer-Spring	63	3220-3	4	Nut-HJ
22	103-1631	1	Latch, Thumb LH ●	64	109-4934	1	Asm, Console (109-4649-03) W/Decals
22	103-1630	1	Latch, Thumb RH	65	321-3	10	Screw-HH
23	3296-42	1	Nut-Lock, NI	66	103-2513	1	Asm, Drive Lever RH
24	103-0770-03	1	Handle Weldment (1-412449)	67	103-2514	1	Asm, Drive Lever LH
25	1-303088	1	Clip-Cable	68	103-2463	2	Joint, .31 Ball End
26	323-6	4	Screw-HH	69	103-0489-03	1	Bracket, Opc Axle
35	103-0498	1	Nut-Switch, Ignition	70	103-1796	1	Cable-Choke
39	33094-00	1	Washer-Plain	71	103-1797-01	1	Bracket-Cable, Choke
41	116-2661	1	Harness-Wire	72	1-633080	1	Bushing-Lever, Lift
42	3256-22	1	Washer-Flat	73	3256-14	1	Washer-Flat
43	321-4	1	Screw-HH	75	33114-016	1	Screw-HH
44	1-403121	1	Switch-Key				

● Not illustrated

■ 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.



Fuel Tank Assembly

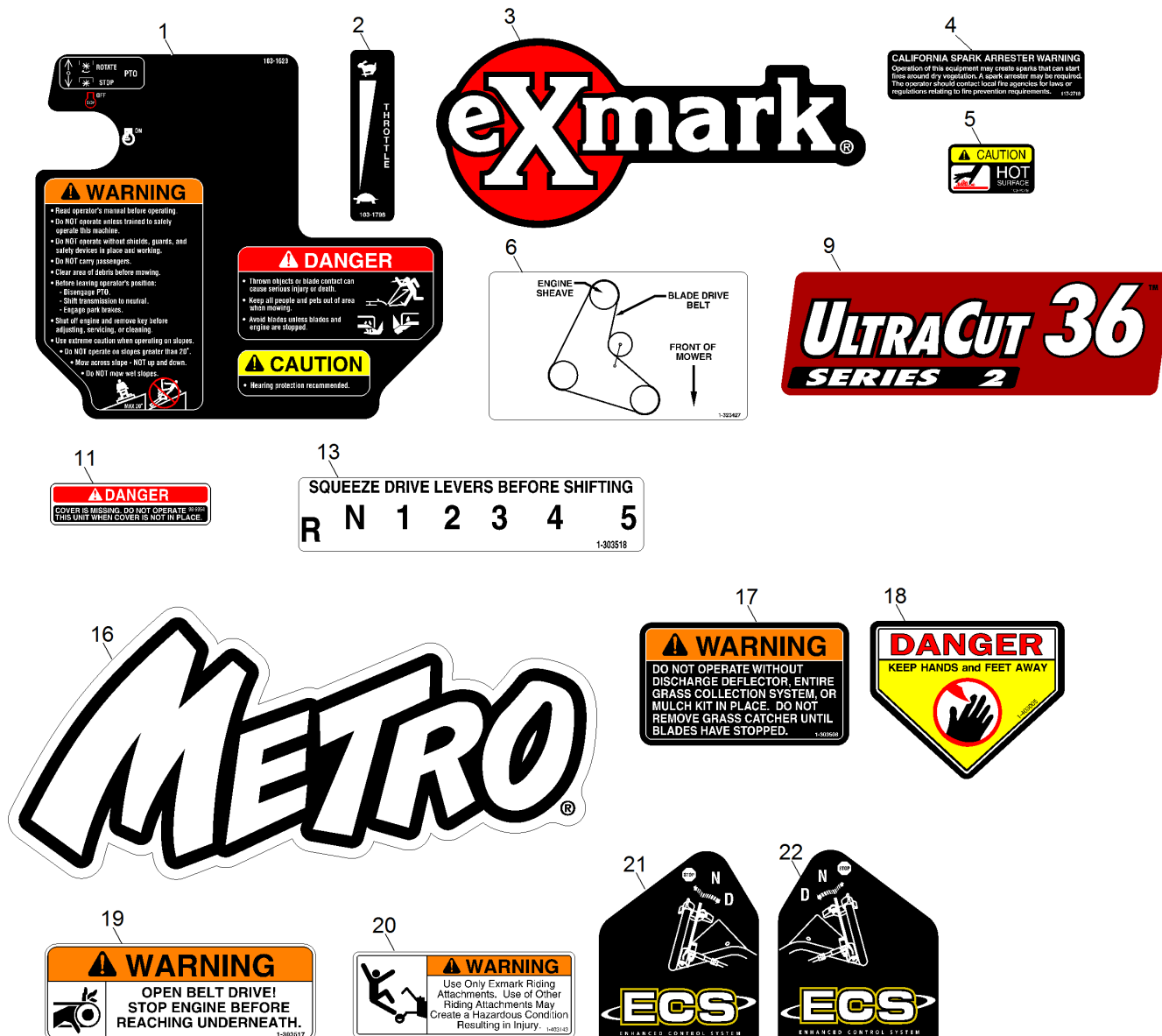
Ref.	Part Number	Qty.	Description
22	116-5464	1	Tee And Check ASM
1	2412-98	4	Clamp-Hose
2	1-603770	1	Valve-Fuel
3	103-2605	1	Fitting-Fuel Bulkhead W/Strainer ▲
4	104-8300	2	Nut-Nyloc 5/16-18 Flg
5	107-4543	2	Clamp
6	109-0650	1	Hose-Fuel
7	99-9415	1	Hose-Fuel
8	114-0285	1	Valve-Rollover
9	120-5461	1	Cap-Fuel, Ratcheting
10	116-3656	1	ASM, Fuel Tank
11	114-0284	1	Grommet
12	322-10	2	Screw-HH 5/16-18 X 2
13	3256-3	2	Washer-5/16 Std

Ref.	Part Number	Qty.	Description
14	116-2394	1	Hose-Vent, Formed
15	116-2232	1	Valve-Control, Vacuum
16	116-2233	1	Hose-Vent, Formed
17	116-2231	1	Hose-Vent, Formed
18	321-2	2	Screw-HH 1/4-20 X 1/2
19	114-0292	1	Bracket-Canister, Carbon
20	115-4486-01	1	Bracket-Canister, Carbon
21	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
22	104-7201	4	Nut-Nyloc 1/4-20 Flg
23	115-0962	1	Hose-Vent, Canister
24	114-0286	1	Hose-Vent
25	117-1221	1	Canister-Carbon, 800Cc
26	1-303335	3	Tie-Cable 7 15/16 (Large)
27		1	Pn 41019-1055 Filter W/6In Fuel Line ■ ●

● Not serviced separately

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

■ Obtain parts from www.kawpowerepc.com



Decals

Ref.	Part Number	Qty.	Description
1	103-1623	1	Decal, Console
2	103-1798	1	Decal, Throttle
3	103-2882	1	Decal, Exmark Logo
4	117-2718	1	Decal-Arrester, Spark
5	103-2076	2	Decal-Caution
6	1-323427	1	Decal, Belt Routing (36" Deck)
9	116-4694	1	Decal-Ultracut 36 Series 2
11	98-5954	1	Decal-Cover, Missing

Ref.	Part Number	Qty.	Description
13	1-303518	1	Decal, Shifter
16	103-2920	1	Decal, Metro Model
17	1-303508	1	Decal-Warning, Discharge
18	1-403005	1	Decal-Danger
19	1-303517	1	Decal,Belt Drive
20	1-403143	1	Decal, Sulky Warning
21	103-2245	1	Decal, RH Ecs Instruction
22	103-2244	1	Decal, LH Ecs Instruction
99	103-2640	1	Decal, Kit ●

● Not illustrated

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.

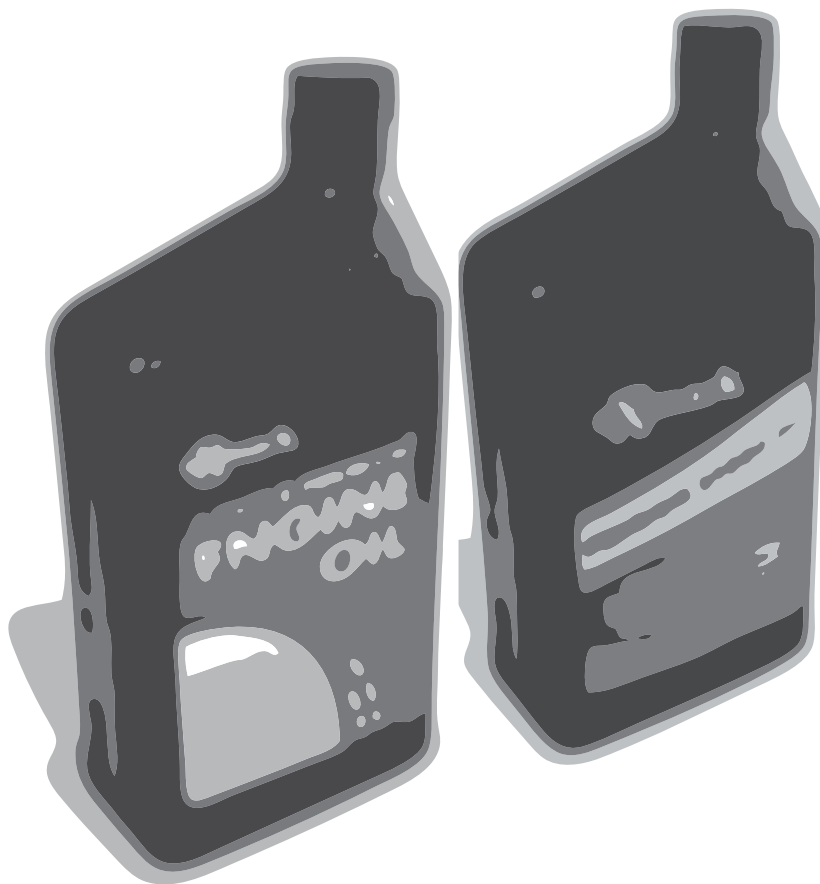
PREMIUM HYDRO OIL

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) _____

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Part No. 4501-492 Rev. A
(402) 223-6300
Fax (402) 223-5489
Printed in the USA.



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