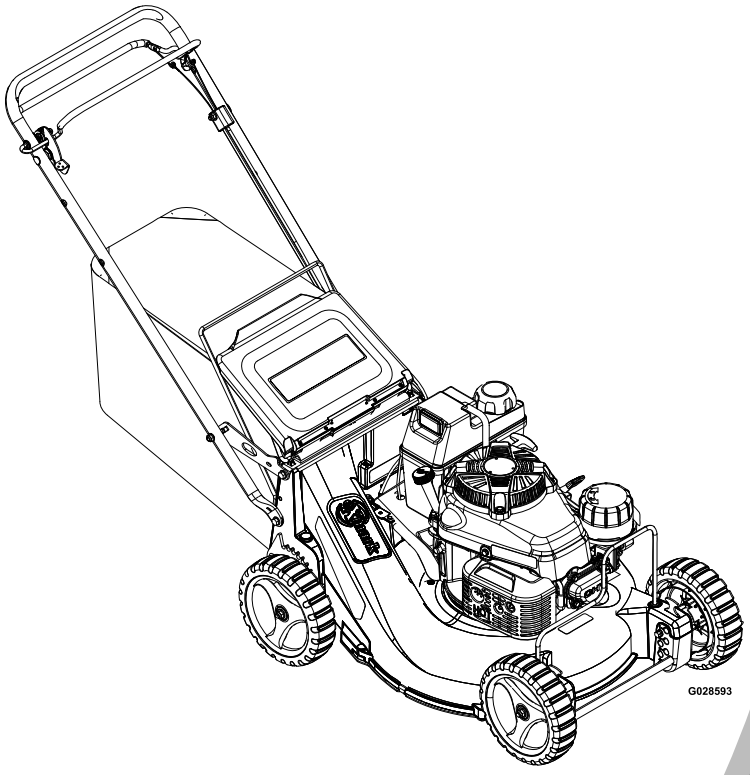
Parts Manual

COMMERCIAL 21

Model No. ECX180CKA21000—Serial No. 315000000 and Up

Picture below may not reflect actual product.



Part No. 4502-334 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.

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

HP: high pressure

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: low pressure

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).

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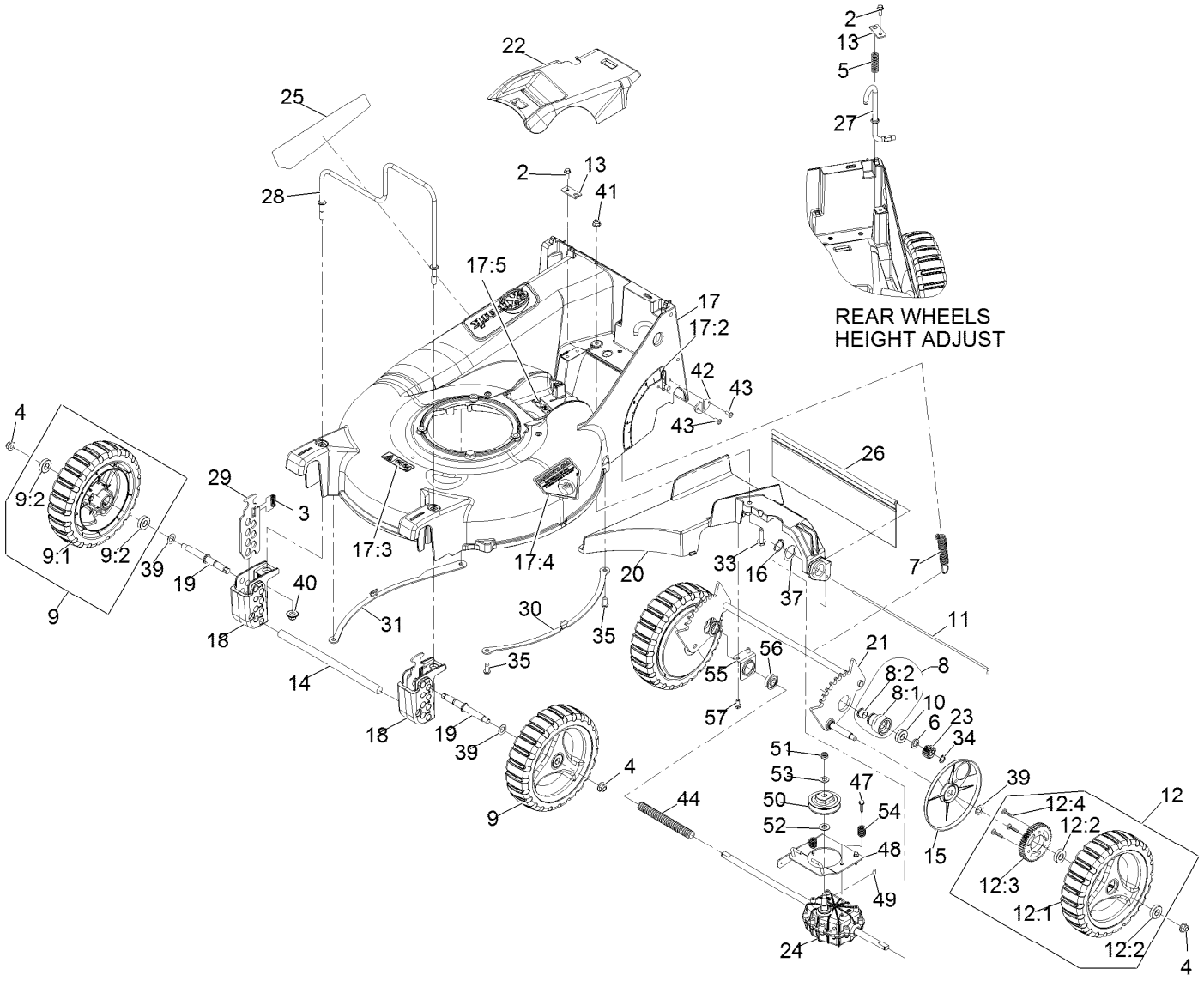
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If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

Contents

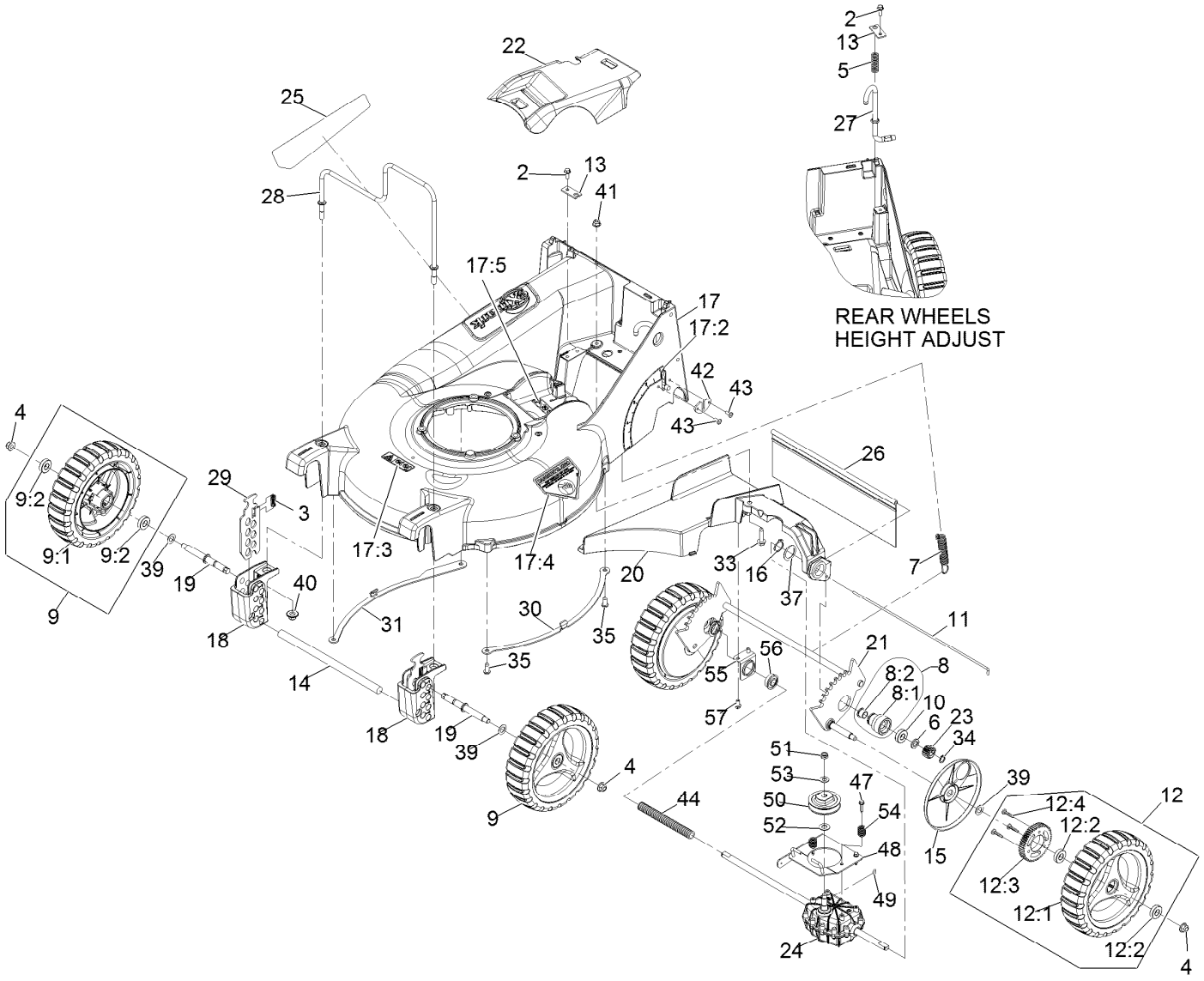
Deck and Wheel Assembly 4
Blade Assembly 6
Bag and Door Assembly 7
Handle Assembly 8
Engine Assembly 9



Deck and Wheel Assembly

Ref.	Part Number	Qty.	Description
2	32144-85	2	Screw-HWH 1/4-20 X .62
3	109-7258	2	Spring-Compression
4	104-8301	4	Nut-Nyloc 3/8-16 Flg
5	109-7694	1	Spring-Compression
6	108-5059	2	Spacer-Bushing
7	109-7692	1	Spring-Extension
8	116-6172	2	Housing ASM
8:1	116-6171	1	Housing-Bearing
8:2	116-4279	1	Bearing-Flange
9	109-8016	2	Wheel And Tire ASM
9:1	109-8033	1	9-Inch Wheel ASM
9:2	109-8020	2	Bearing-Ball
10	109-8020	2	Bearing-Ball
11	109-8025	1	Rod,Shield
12	109-8032	2	ASM,Rear Wheel 9"
12:1	109-8033	1	9-Inch Wheel ASM
12:2	109-8020	2	Bearing-Ball
12:3	109-7264	1	Gear
12:4	27-6260	3	Screw-Drive
13	109-8441	2	Bracket,Mount
14	109-8454	1	Rod,Bumper

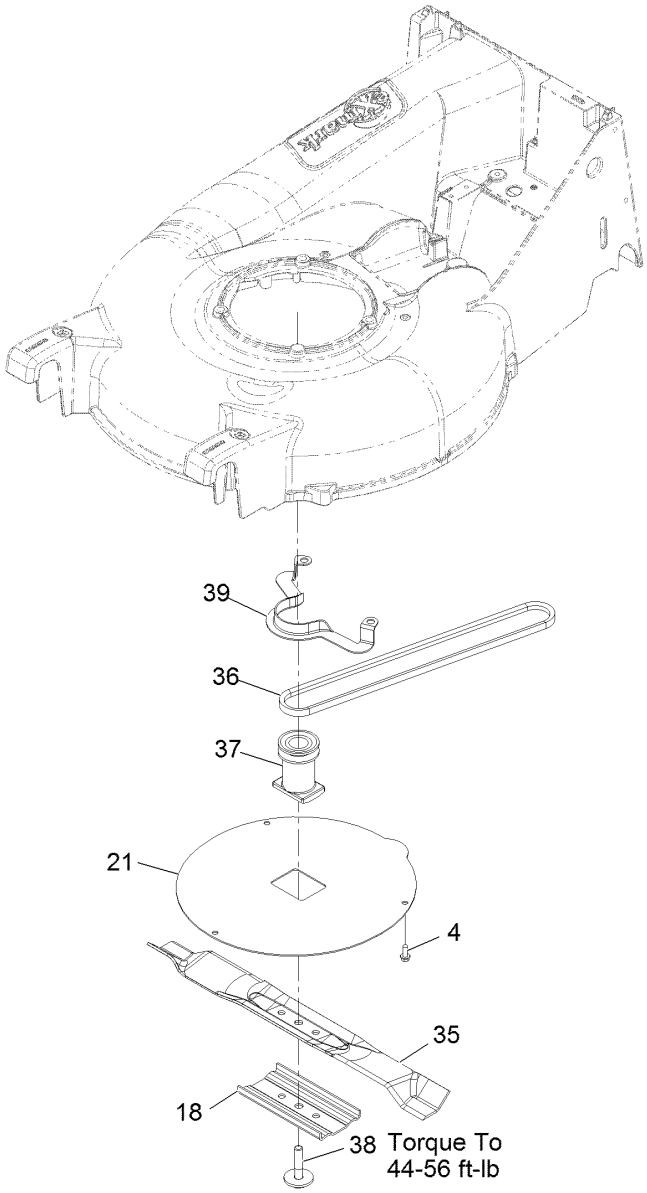
Ref.	Part Number	Qty.	Description
15	109-9287	2	Cover,Gear
16	32151-36	2	Ring-Retaining
17	116-2006	1	Deck W/Decals
17:2	116-1922	1	Decal-Height Of Cut
17:3	130-9670	1	Decal-Warning, Blade
17:4	94-8072	1	Decal-Danger
17:5	119-0217	1	Decal-Danger
18	109-9302	2	Block,Front Quadrant
19	116-0994	2	Axle-Wheel
20	116-9646-01	1	Bracket-Transmission And Chute
21	109-9312	1	Wld,Rear Axle P21
22	109-9324	1	Cover,Belt
23	110-9417	2	Gear-Pinion, 15T
24	116-9906	1	Transmission-HD, 4.5/1
25	116-4385	1	Decal-Comm 21 X-Series
26	116-0252	1	Shield-Trailing P21
27	116-0329	1	Rod-Height Adj P21
28	116-0522	1	Guard,Engine
29	109-9292	2	Plate, Front Height
30	116-0995-03	1	Skid,LH



Deck and Wheel Assembly (continued)

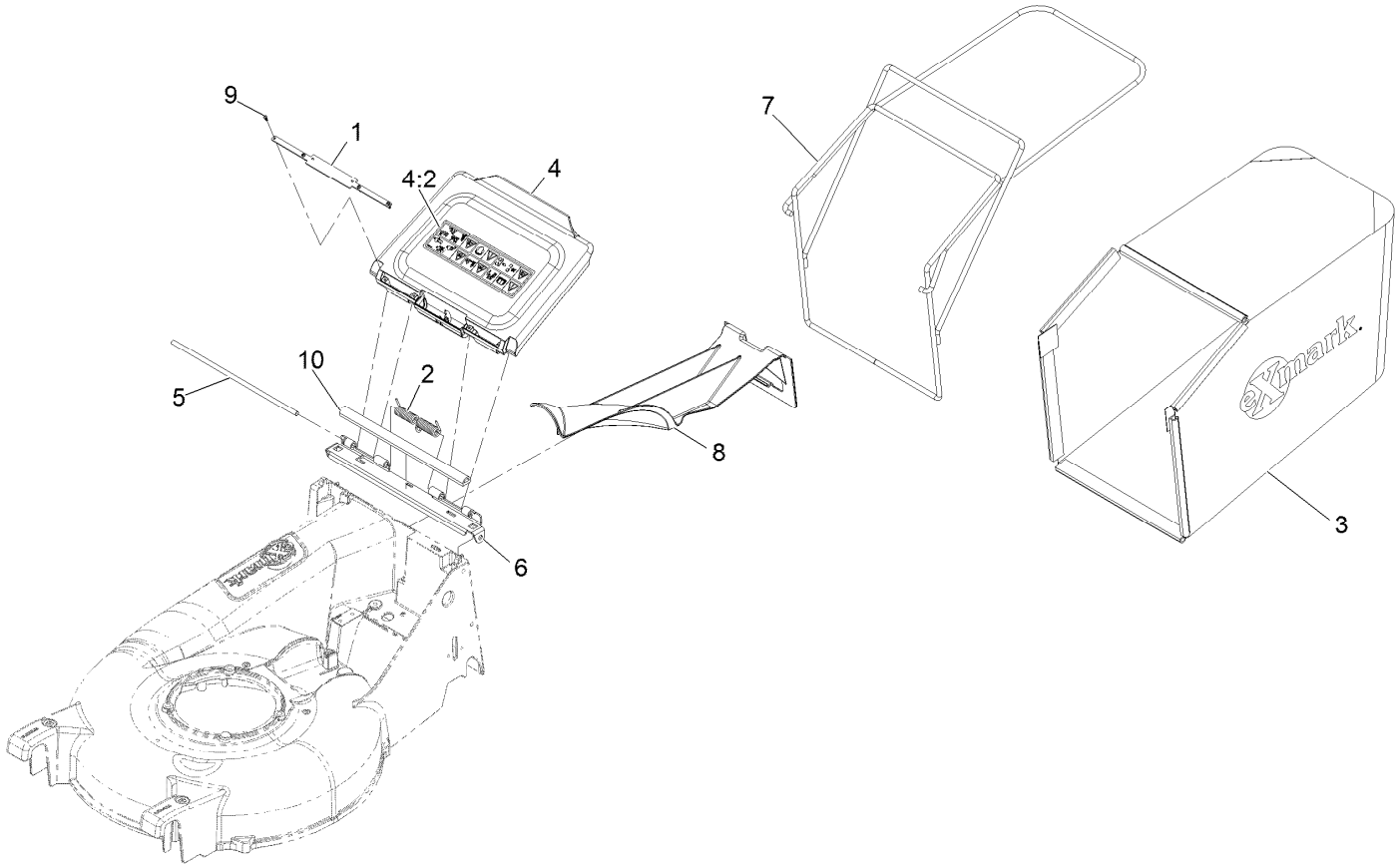
Ref.	Part Number	Qty.	Description
31	116-0996-03	1	Skid,RH
33	32144-49	1	Screw-HWH 5/16-18 1 1/4 Tf
34	32151-61	2	Ring-Retaining
35	613381	4	Screw-Button Head 5/16-18 X .725 Tf
37	74-1810	2	Washer
39	36-4780	4	Washer
40	109-6658	2	Nut-Nyloc 3/8-16 Flg
41	104-8300	1	Nut-Nyloc 5/16-18 Flg
42	116-2221	1	Plate,Wear
43	114439	2	Rivet

Ref.	Part Number	Qty.	Description
44	126-2335	1	Cover-Shaft-Drive
47	27-0220	3	Screw-Special
48	116-3539-03	1	Transmission Plate ASM
49	3257-1	1	Key-Woodruff 1/8 X 1/2
50	39-6740	1	Pulley
51	3296-5	1	Nut-Nyloc 3/8-24 Thin
52	36-4792	1	Washer-Thrust
53	3256-45	1	Washer-Flat
54	116-1438	2	Spring,Compression
55	120-7008	1	Mount-Bearing
56	104-8699	1	Bearing-Ball
57	9266714	2	Screw-HWH 1/4-20 X .50



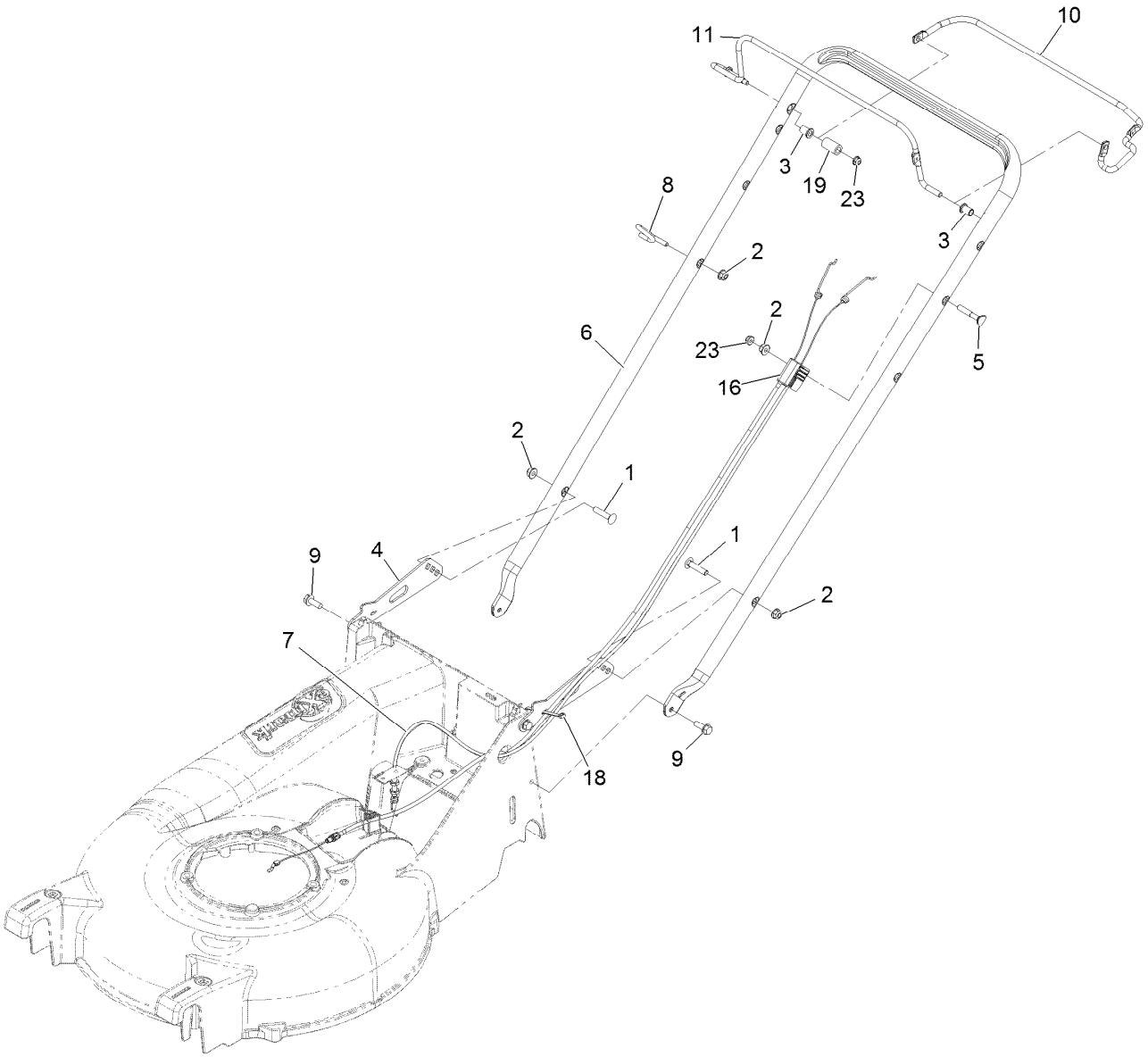
Blade Assembly

Ref.	*Part Number*	*Qty.*	*Description*
4	32144-85	3	Screw-HWH 1/4-20 X .62
18	108-3766-03	1	Support-Blade
21	116-3503-03	1	Cover-As
35	116-4500	1	Blade-Medium Lift, 20.5
36	109-7299	1	Belt,3L P21 Drive
37	109-7257	1	Blade-Adapter
38	116-0005	1	Bolt-Blade, Sem
39	108-8110-03	1	Guide-Belt



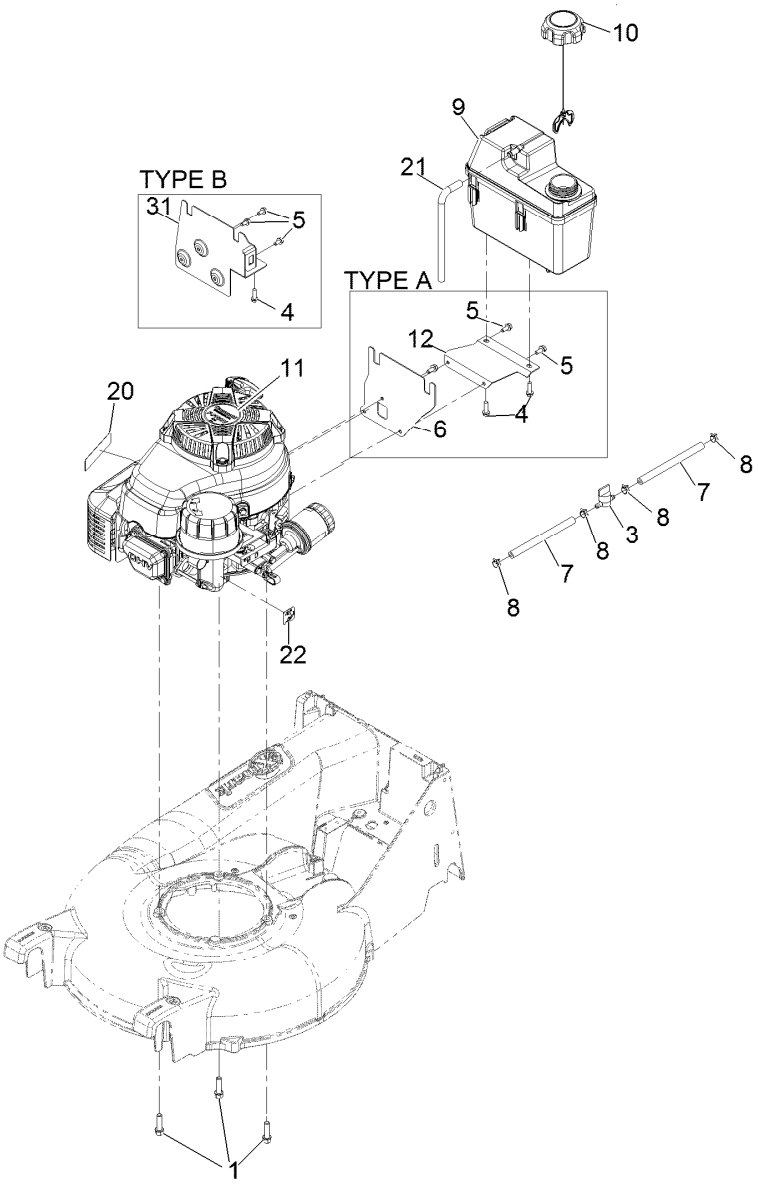
Bag and Door Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	126-2628-03	1	Plate, Door Cover
2	126-2627	1	Spring-Plastic Door
3	126-2630	1	Bag-21 Grass
4	126-4200	1	ASM-Door & Decal
4:2	116-7583	1	Decal-Warning
5	126-2635	1	Pin-Door Pivot
6	126-2636-03	1	Bracket-Door Pivot
7	126-2631-03	1	Wld-Bag Frame
8	116-0251	1	Plug,Mulch
9	363-1596	4	Scr,TAP,6-19X7/16,Phph, Stl, Rohs
10	126-5438	1	Seal-Epdm Foam Bulb



Handle Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	33-5790	2	Bolt-Carriage 5/16-18 X 1 1/2
2	104-8300	4	Nut-Nyloc 5/16-18 Flg
3	116-1478	2	Bushing-Handlebar
4	109-9323-03	2	Bracket,Handlebar
5	112-8876	1	Bolt-Carriage 5/16-18 X 2
6	116-0119-03	1	Handlebar-P21
7	116-9701	1	Cable, Drive
8	116-1056	1	Guide,Rope
9	32144-41	4	Screw-HWH 3/8-16 X 7/8 Taptite
10	116-7907	1	Bail-Drive Coated
11	109-8442	1	Bail
16	116-0905	1	Cable-Zone Kawasaki
18	614249	1	Tie-Cable
19	1-603401	1	Spacer
23	104-7201	1	Nut-Nyloc 1/4-20 Flg



Engine Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	95-1727	3	Screw-HWH 3/8-16 X 1 1/4 Taptite
3	1-603770	1	Valve-Fuel
4	46-8091	2	Screw-HWH 1/4-10 X .82 Plastite
5	125-8383	3	Screw-HWH
6	125-8381-03	1	Bracket-Tank, Mounting
7	107-0588	2	Hose-Fuel
8	2412-98	4	Clamp-Hose
9	114-0280	1	Tank-Fuel
10	109-6776	1	Cap-Ratchet, Tethered
11	109-6528	1	Decal-Recoil
12	125-8382-03	1	Bracket-Tank, Support
20	117-2718	1	Decal-Arrester, Spark
21	115-0962	1	Hose-Vent, Canister
22	125-8403	1	Decal-Primer
31	109-9291-03	1	Bracket,Fuel Tank

Notes:

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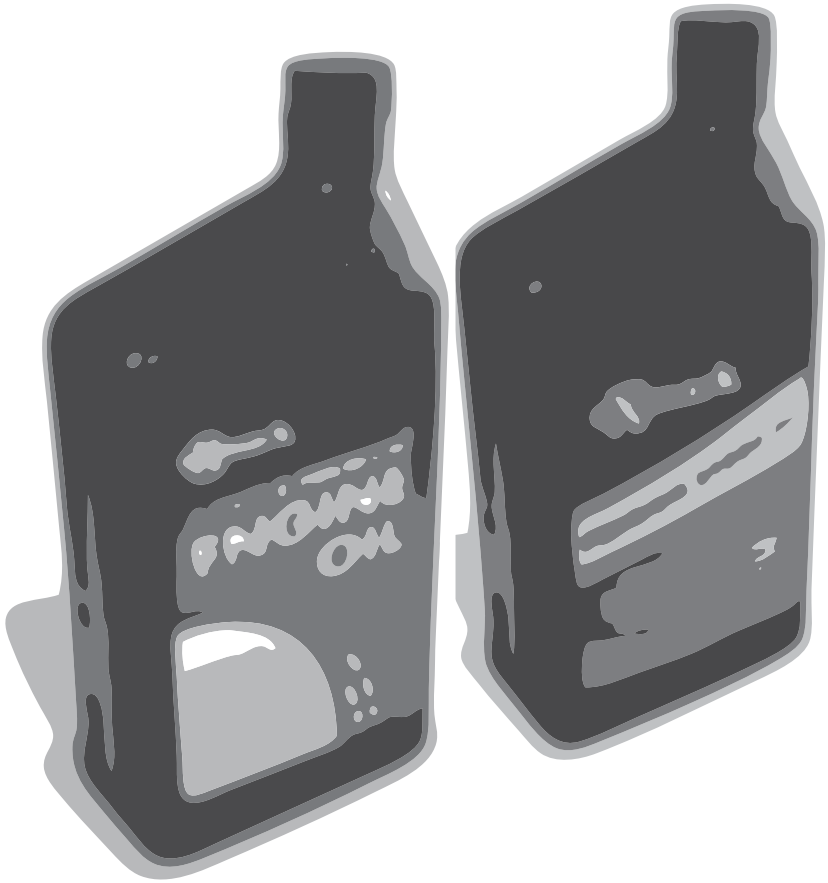
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Place Model No. and Serial No. Label Here (Included in the Literature Pack) or Fill in Below

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Serial No. _____

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Engine Serial No. (E/No) _____

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