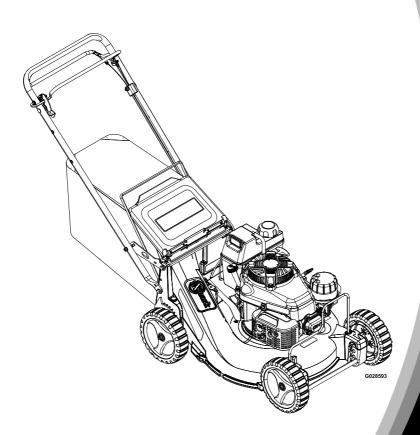


# **COMMERCIAL 21**

Model No. ECS180GKA21000—Serial No. 316000000 and Up

Picture below may not reflect actual product.



Part No. 4502-548 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: clockwiseDEG: 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 headHOC: height-of-cutHP: 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).

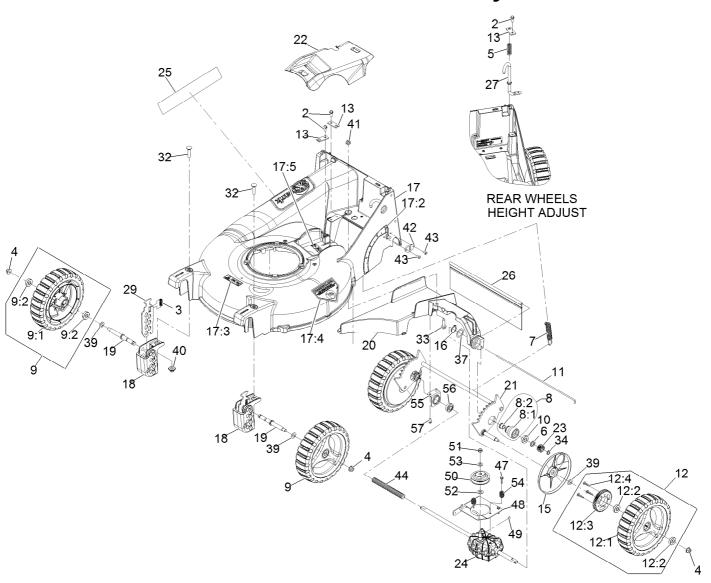


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

### **Contents**

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## **Deck and Wheel Assembly**

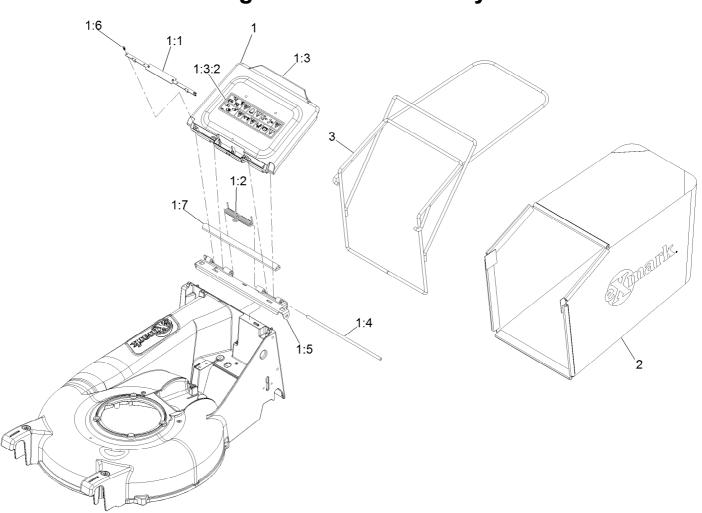


### **Deck and Wheel Assembly (continued)**

					•		•
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	32144-85	2	Screw-HWH 1/4-20 X .62	21	109-9312	1	Wld,Rear Axle P21
3	109-7258	2	Spring-Compression	22	109-9324	1	Cover,Belt
4	104-8301	4	Nut-Nyloc 3/8-16 Flg	23	110-9417	2	Gear-Pinion, 15T
5	109-7694	1	Spring-Compression	24	116-9906	1	Transmission-HD, 4.5/1
6	108-5059	2	Spacer-Bushing	25	126-6885	1	Decal-Comm 21 S-Series
7	109-7692	1	Spring-Extension	26	116-0252	1	Shield-Trailing P21
8	116-6172	2	Housing ASM	27	116-0329	1	Rod-Height Adj P21
8:1	116-6171	1	Housing-Bearing	29	109-9292	2	Plate, Front Height
8:2	116-4279	1	Bearing-Flange	32	109-8449	2	Bolt-Carriage 3/8-16 X 1 1/2
9	109-8016	2	Wheel And Tire ASM	33	32144-49	1	Screw-HWH 5/16-18 1 1/4
9:1	109-8033	1	9-Inch Wheel ASM				Tf
9:2	109-8020	2	Bearing-Ball	34	32151-61	2	Ring-Retaining
10	109-8020	2	Bearing-Ball	37	74-1810	2	Washer
11	109-8025	1	Rod,Shield	39	36-4780	4	Washer
12	109-8032	2	ASM,Rear Wheel 9"	40	109-6658	2	Nut-Nyloc 3/8-16 Flg
12:1	109-8033	1	9-Inch Wheel ASM	41	104-8300	1	Nut-Nyloc 5/16-18 Flg
12:2	109-8020	2	Bearing-Ball	42	116-2221	1	Plate,Wear
12:3	109-7264	1	Gear	43	114439	2	Rivet
12:4	27-6260	3	Screw-Drive	44	126-2335	1	Cover-Shaft-Drive
13	109-8441	2	Bracket, Mount	47	27-0220	3	Screw-Special
15	109-9287	2	Cover, Gear	48	116-3539-03	1	Transmission Plate ASM
16	32151-36	2	Ring-Retaining	49	3257-1	1	Key-Woodruff 1/8 X 1/2
17	116-2006	1	Deck W/Decals	50	39-6740	1	Pulley
17:2	116-1922	1	Decal-Height Of Cut	51	3296-5	1	Nut-Nyloc 3/8-24 Thin
17:3	130-9670	1	Decal-Warning, Blade	52	36-4792	1	Washer-Thrust
17:4	94-8072	1	Decal-Danger	53	3256-45	1	Washer-Flat
17:5	119-0217	1	Decal-Danger	54	116-1438	2	Spring,Compression
18	109-9302	2	Block,Front Quadrant	55	120-7008	1	Mount-Bearing
19	116-0994	2	Axle-Wheel	56	104-8699	1	Bearing-Ball
20	116-9646-01	1	Bracket-Transmission And Chute	57	9266714	2	Screw-HWH 1/4-20 X .50

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# **Bag and Door Assembly**

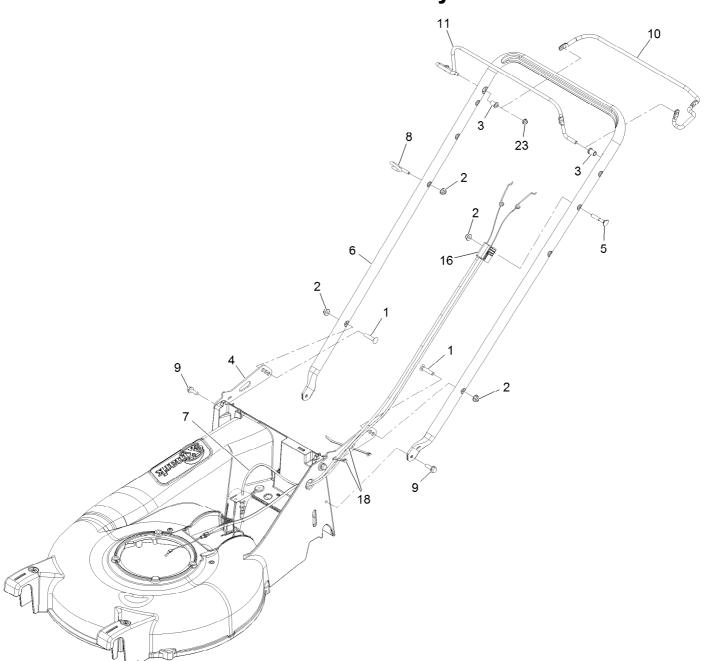


### **Bag and Door Assembly (continued)**

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	126-6086	1	Door ASM	1:5	126-2636-03	1	Bracket-Door Pivot
1:1	126-2628-03	1	Plate, Door Cover	1:6	363-1596	4	Screw-PPHTF #6-19 X 7/16
1:2	126-2627	1	Spring-Plastic Door	1:7	126-5438	1	Seal-Epdm Foam Bulb
1:3	126-4200	1	ASM-Door & Decal	2	126-2630	1	Bag-21 Grass
1:3:2	116-7583	1	Decal-Warning	3	126-2631-03	1	Wld-Bag Frame
1:4	126-2635	1	Pin-Door Pivot				ŭ

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### **Handle Assembly**

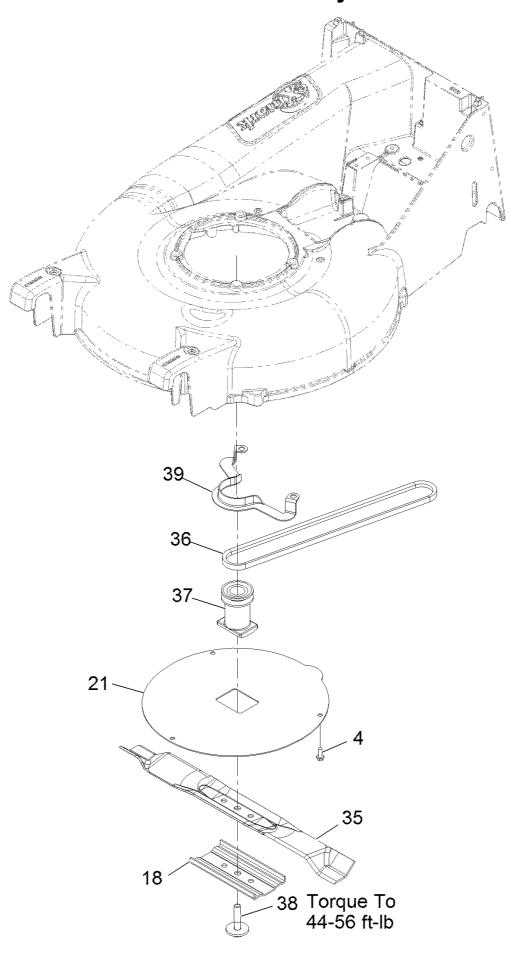


# **Handle Assembly (continued)**

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	33-5790	2	Bolt-Carriage 5/16-18 X 1	8	116-1056	1	Guide,Rope
			1/2	9	32144-41	4	Screw-HWH 3/8-16 X 7/8
2	104-8300	4	Nut-Nyloc 5/16-18 Flg				Taptite
3	116-1478	2	Bushing-Handlebar	10	116-7797	1	Bail-Drive
4	109-9323-03	2	Bracket, Handlebar	11	116-2252	1	Bail,Opc/BBC
5	112-8876	1	Bolt-Carriage 5/16-18 X 2	16	116-0905	1	Cable-Zone Kawasaki
6	116-0119-03	1	Handlebar-P21	18	614249	2	Tie-Cable
7	116-9701	1	Cable, Drive	23	104-7201	1	Nut-Nyloc 1/4-20 Flg

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### **Blade Assembly**



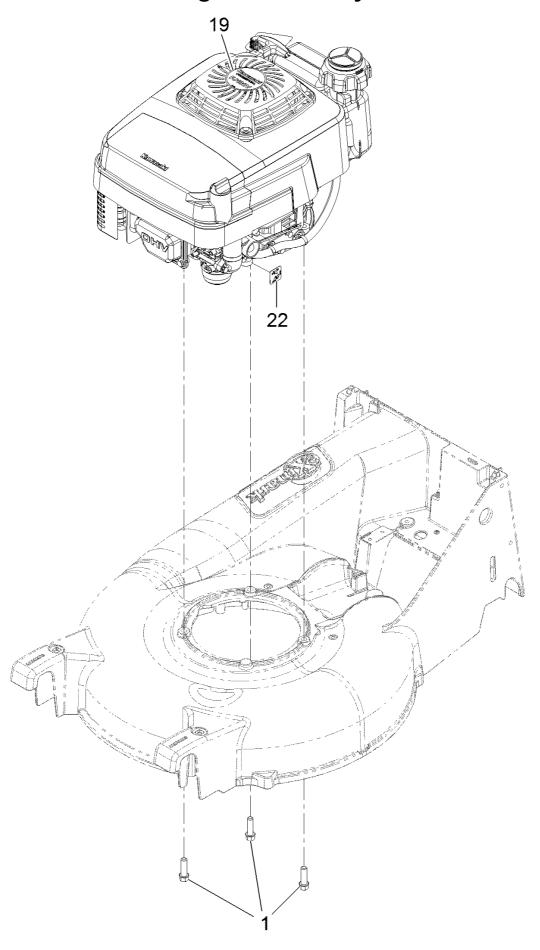
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# **Blade Assembly (continued)**

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

1

# **Engine Assembly**



# **Engine Assembly (continued)**

Ref.	Part Number	Qty.	Description
1	95-1727	3	Screw-HWH 3/8-16 X 1 1/4
			Taptite
19	107-4201	1	Decal-Recoil
22	125-8403	1	Decal-Primer

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Place Model No. and Serial No.
Label Here (Included in the Literature
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