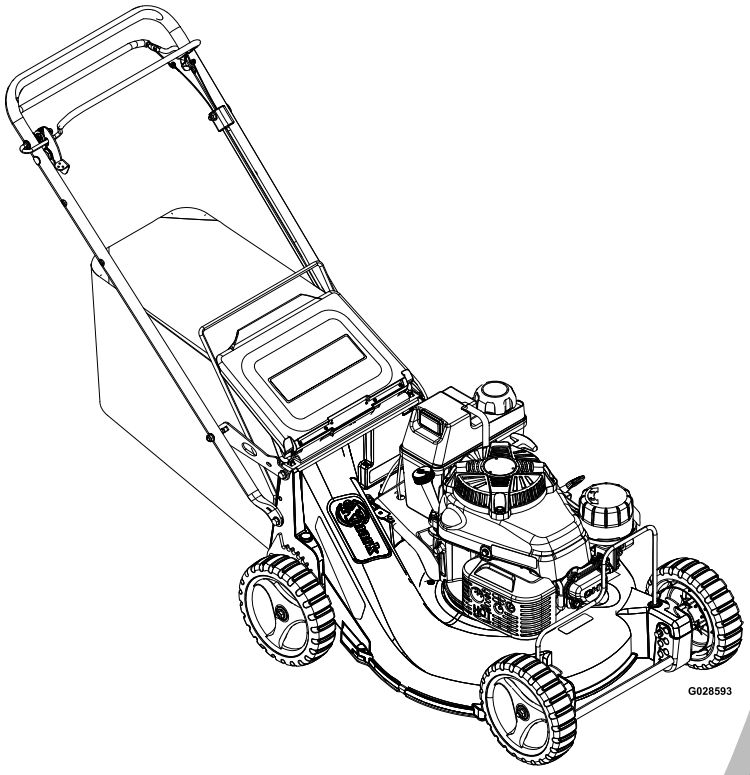
# Parts Manual

# COMMERCIAL 21

**Model No. ECX160CHN21000—Serial No. 315000000 and Up**

**Picture below may not reflect actual product.**




Part No. 4502-333 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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**Beatrice, NE 68310**



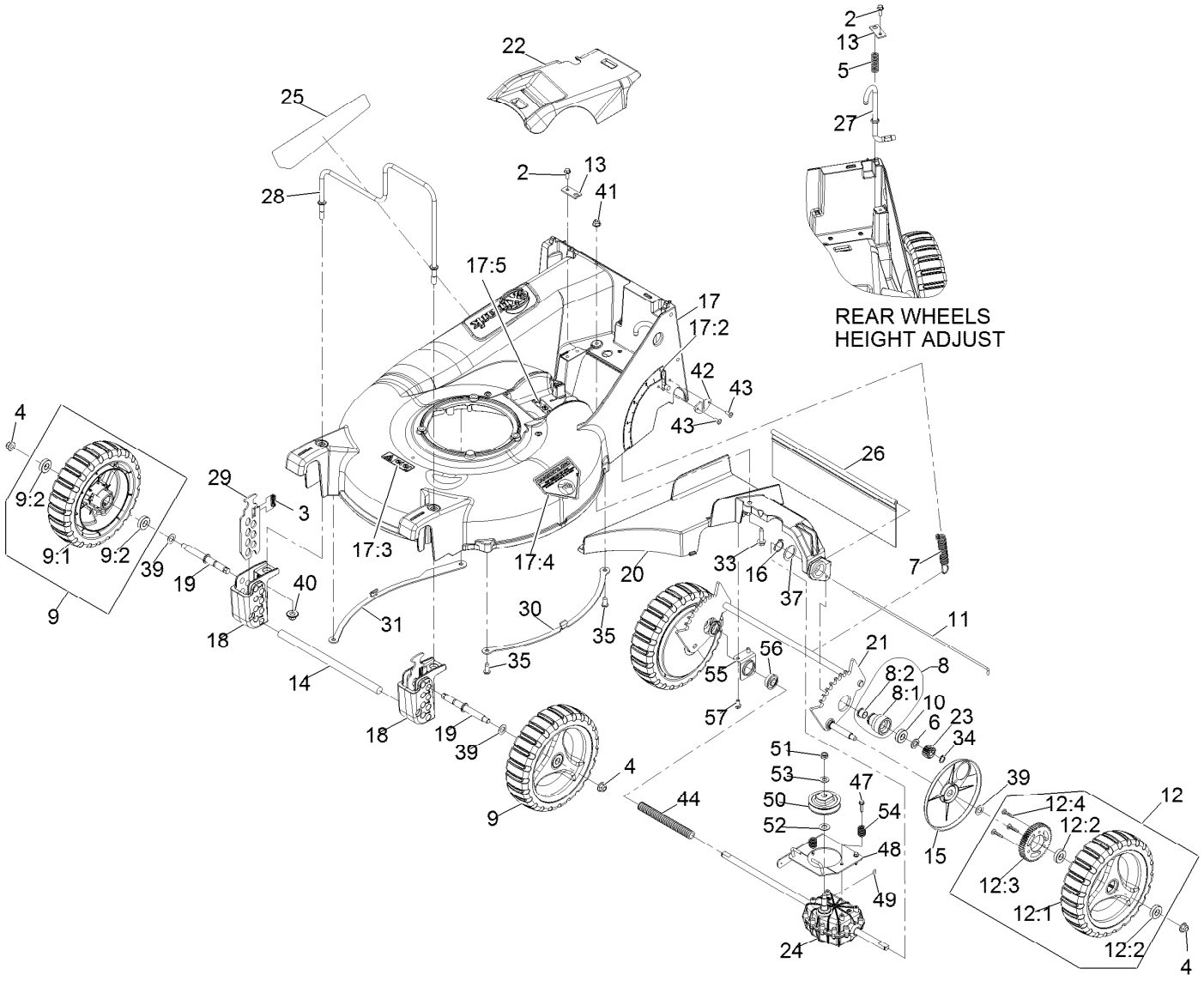
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If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

# Contents

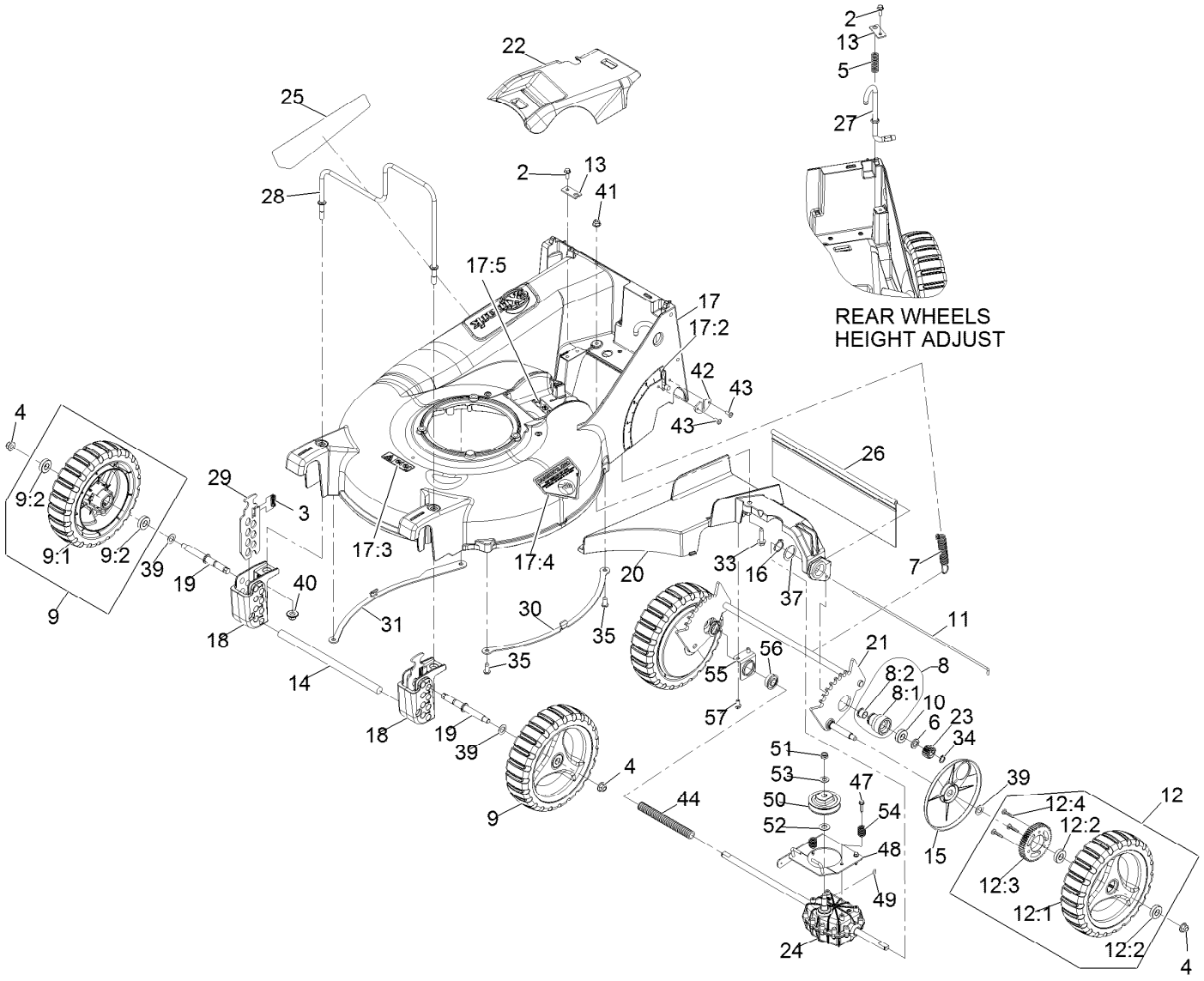
Deck and Wheel Assembly . . . . . 4
Blade Assembly . . . . . 6
Bag and Door Assembly . . . . . 7
Handle Assembly . . . . . 8
Engine Assembly . . . . . 9




# 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 |

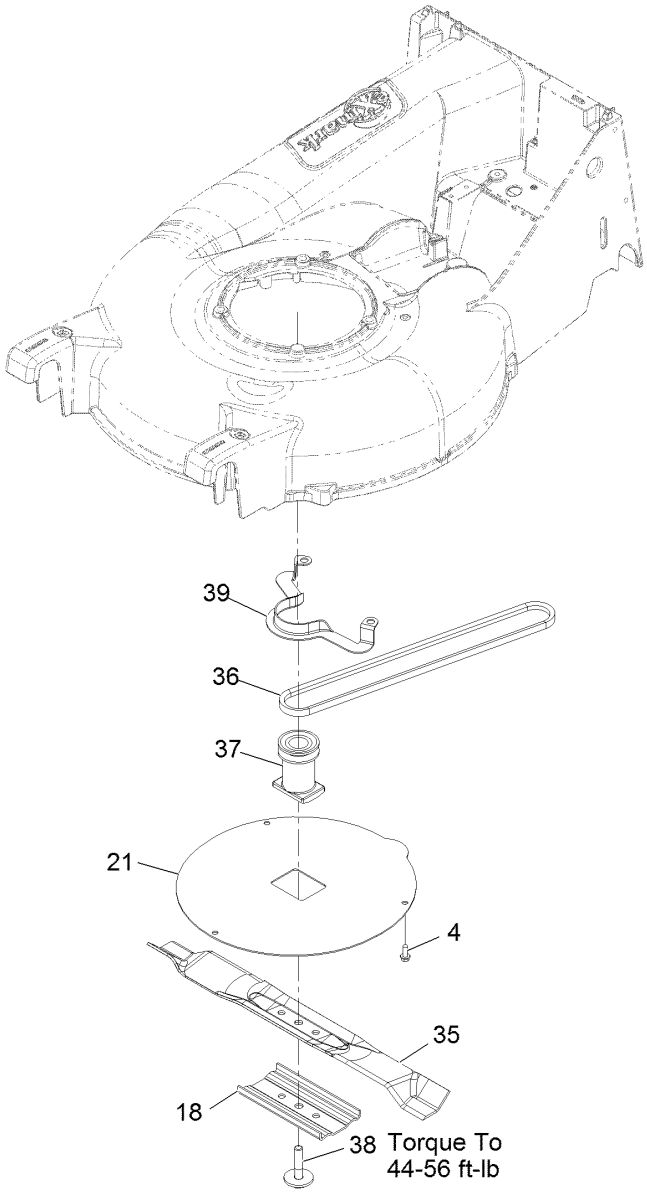
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 109-9287 | 2 | Cover,Gear |
| 16 | 32151-36 | 2 | Ring-Retaining |
| 17 | 116-2006 | 1 | Deck W/Decals |
| 17:2 | 116-1922 | 1 | Decal-Height Of Cut |
| 17:3 | 130-9670 | 1 | Decal-Warning, Blade |
| 17:4 | 94-8072 | 1 | Decal-Danger |
| 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)

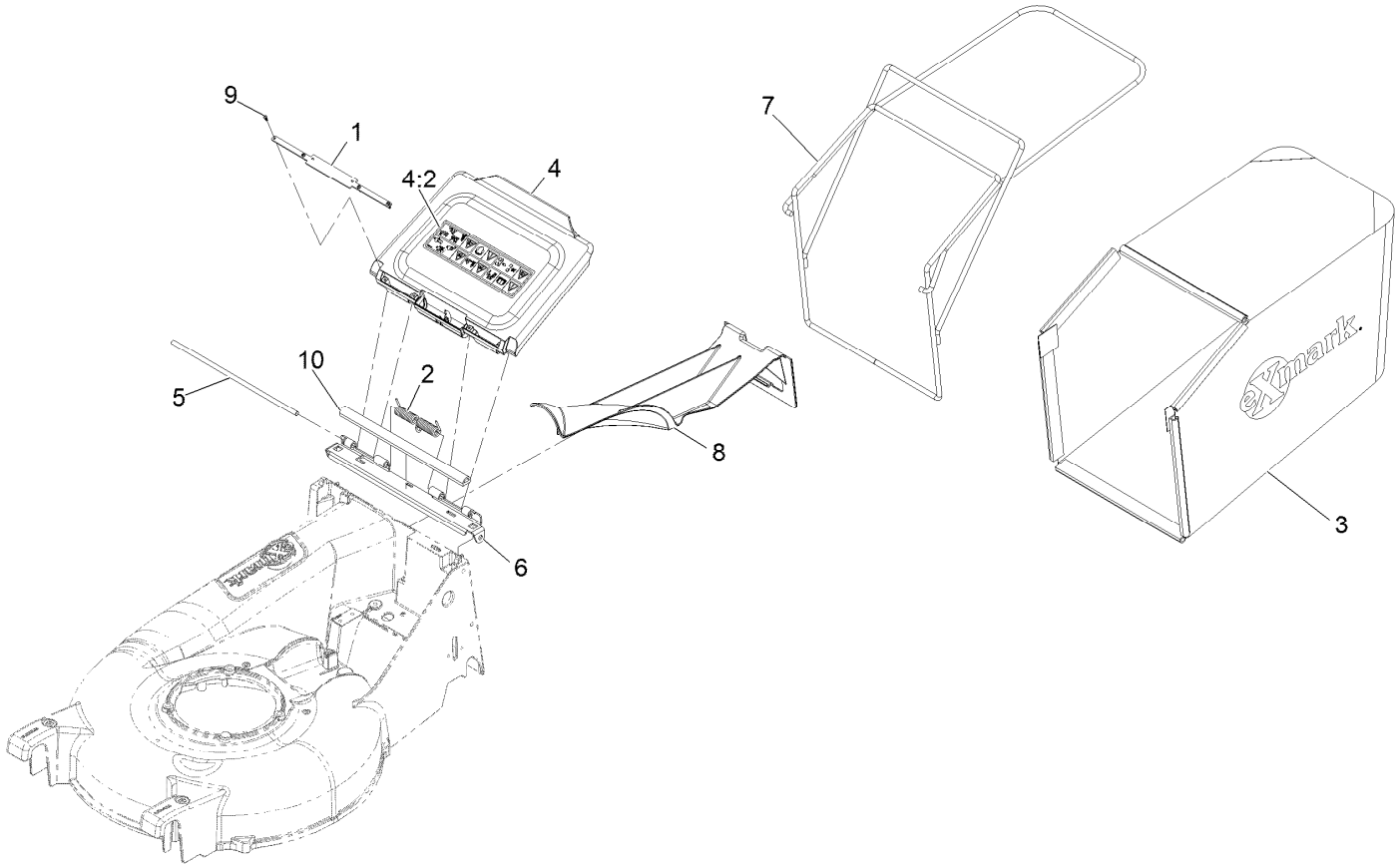
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 31 | 116-0996-03 | 1 | Skid,RH |
| 33 | 32144-49 | 1 | Screw-HWH 5/16-18 1 1/4 Tf |
| 34 | 32151-61 | 2 | Ring-Retaining |
| 35 | 613381 | 4 | Screw-Button Head 5/16-18 X .725 Tf |
| 37 | 74-1810 | 2 | Washer |
| 39 | 36-4780 | 4 | Washer |
| 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 |



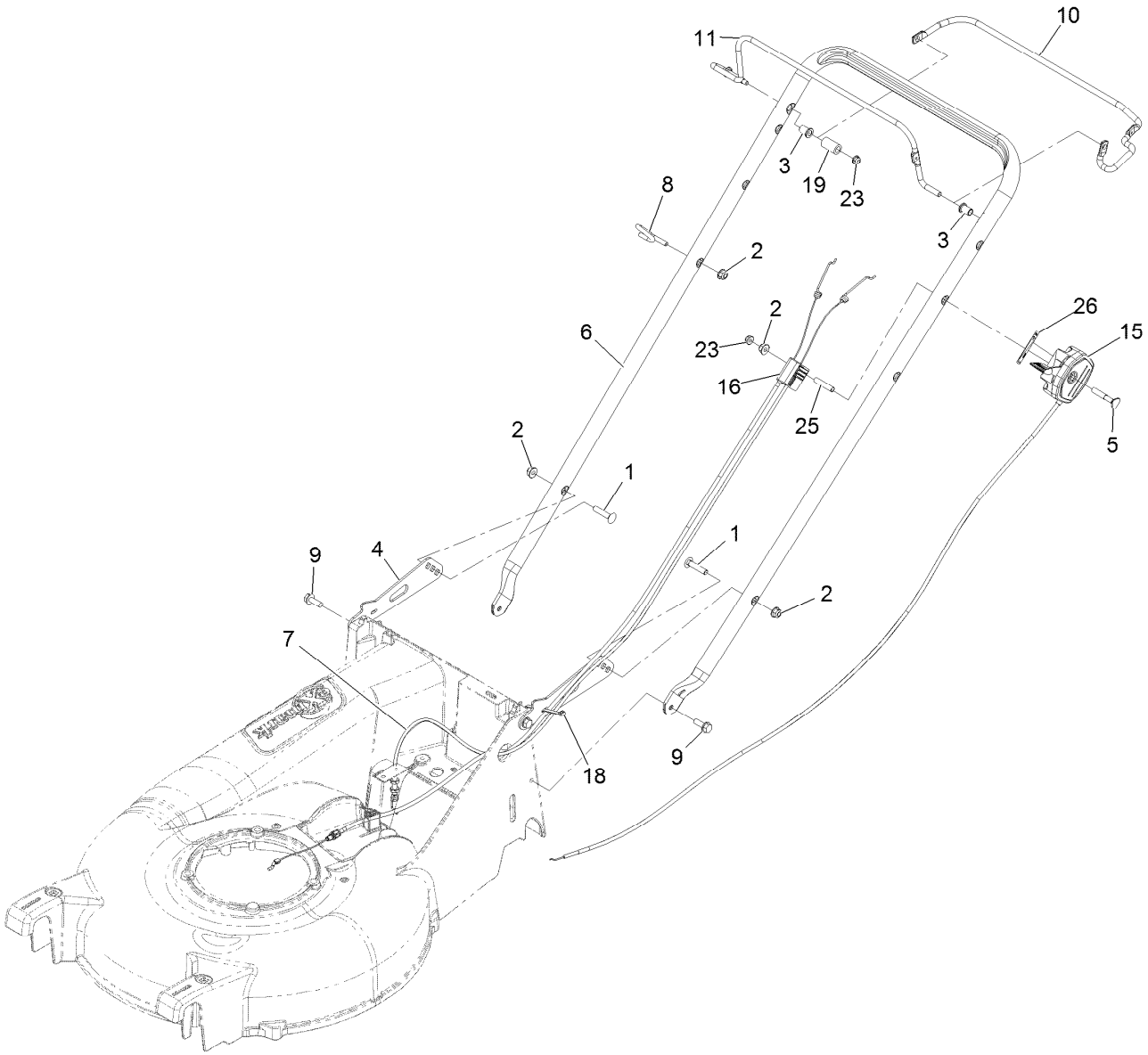

# Blade Assembly

| *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

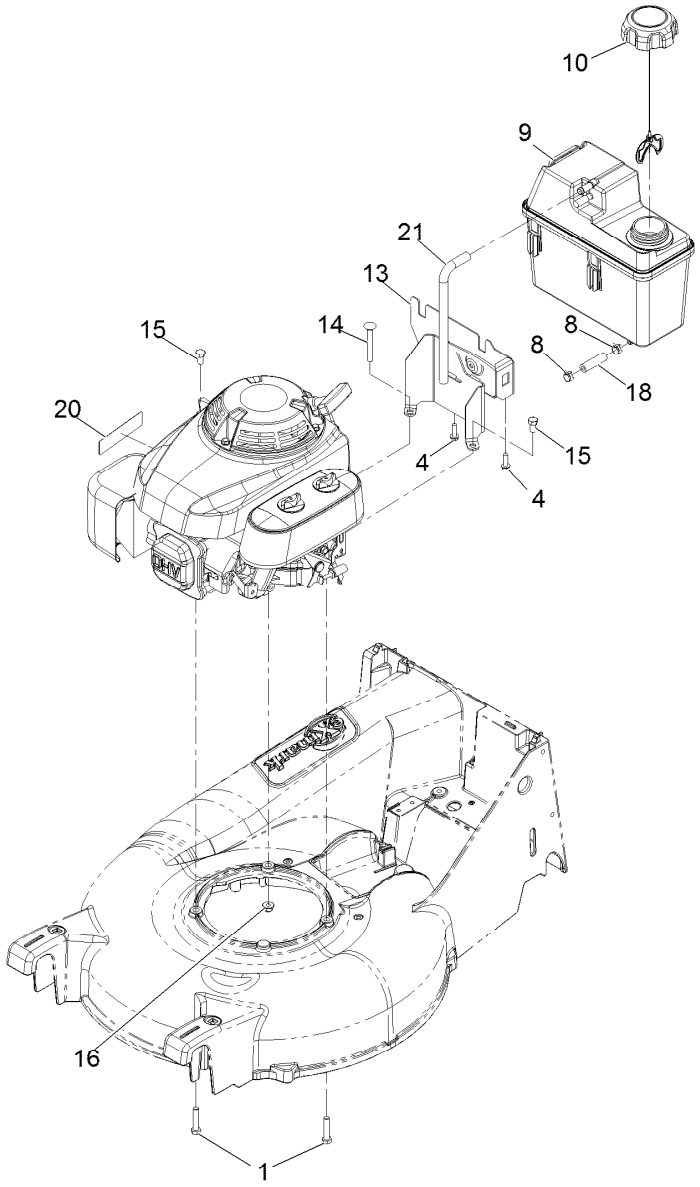
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 126-2628-03 | 1 | Plate, Door Cover |
| 2 | 126-2627 | 1 | Spring-Plastic Door |
| 3 | 126-2630 | 1 | Bag-21 Grass |
| 4 | 126-4200 | 1 | ASM-Door & Decal |
| 4:2 | 116-7583 | 1 | Decal-Warning |
| 5 | 126-2635 | 1 | Pin-Door 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 | 3 | Nut-Nyloc 5/16-18 Flg |
| 3 | 116-1478 | 2 | Bushing-Handlebar |
| 4 | 109-9323-03 | 2 | Bracket,Handlebar |
| 5 | 321-23 | 1 | Screw-HH |
| 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 |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 116-7907 | 1 | Bail-Drive Coated |
| 11 | 109-8442 | 1 | Bail |
| 15 | 116-4424 | 1 | Cable-Throttle/Choke |
| 16 | 116-4443 | 1 | Cable-Zone Honda |
| 18 | 614249 | 1 | Tie-Cable |
| 19 | 1-603401 | 1 | Spacer |
| 23 | 104-7201 | 2 | Nut-Nyloc 1/4-20 Flg |
| 25 | 116-3035 | 1 | Spacer-Throttle |
| 26 | 103-6327 | 1 | Decal, Throttle/Choke |




# Engine Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 3210-8 | 2 | Screw-HH 5/16-24 X 1 1/2 |
| 4 | 46-8091 | 2 | Screw-HWH 1/4-10 X .82 Plastite |
| 8 | 2412-98 | 2 | Clamp-Hose |
| 9 | 114-0280 | 1 | Tank-Fuel |
| 10 | 109-6776 | 1 | Cap-Ratchet, Tethered |
| 13 | 116-5361-03 | 1 | Asm-Bracket |
| 14 | 3230-8 | 1 | Bolt-Carriage 5/16-18 X 2 1/2 |
| 15 | 3210-2 | 1 | Screw-HH 5/16-24 X 5/8 |
| 16 | 104-8300 | 1 | Nut-Nyloc 5/16-18 Flg |
| 18 | 119-7856 | 1 | Hose-Fuel |
| 20 | 117-2718 | 1 | Decal-Arrester, Spark |
| 21 | 115-0962 | 1 | Hose-Vent, Canister |

## Notes:

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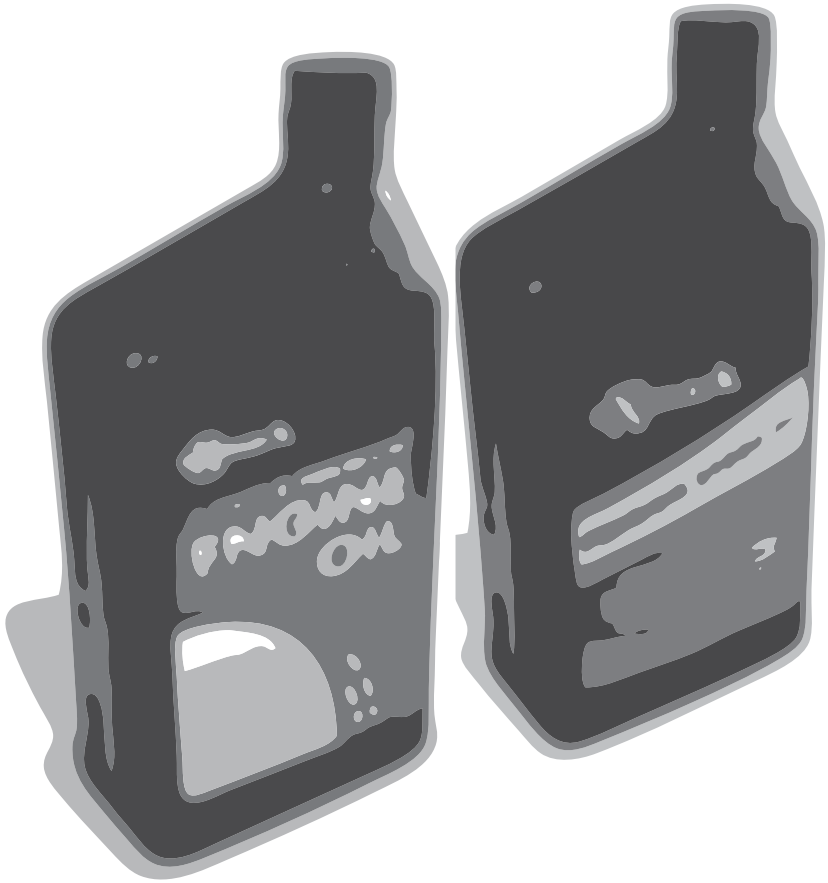
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SNOW BLADE
SNOWBLOWER
SUN SHADE
TRASH CONTAINER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM
WEATHER CAB

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Serial No. _____

Date Purchased _____

Engine Model No. and Spec. No. _____

Engine Serial No. (E/No) _____

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