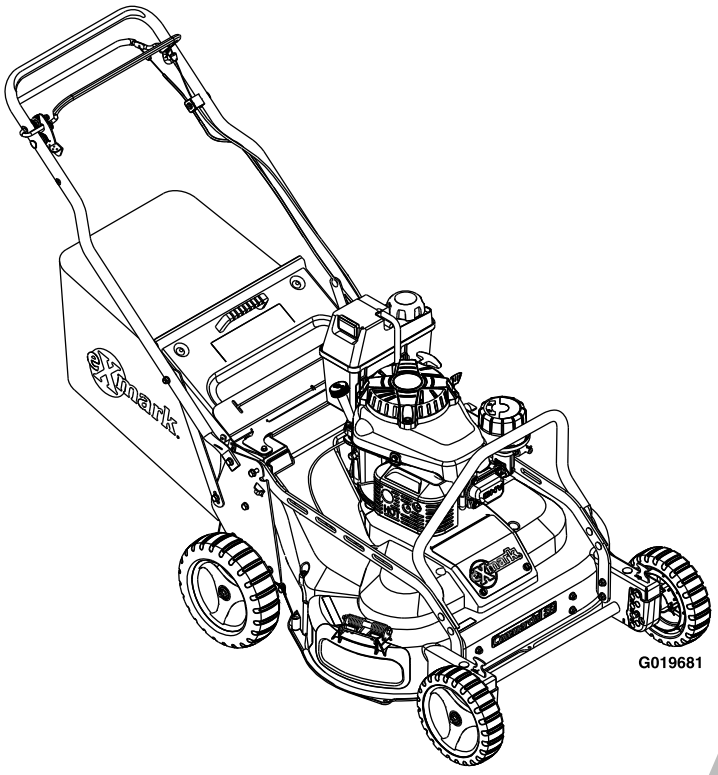
# Parts Manual

# COMMERCIAL 30

**Model No. ECS180CKA30000—Serial No. 315000000 and Up**

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




Part No. 4502-164 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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**Industrial Park Box 808**
**Beatrice, NE 68310**



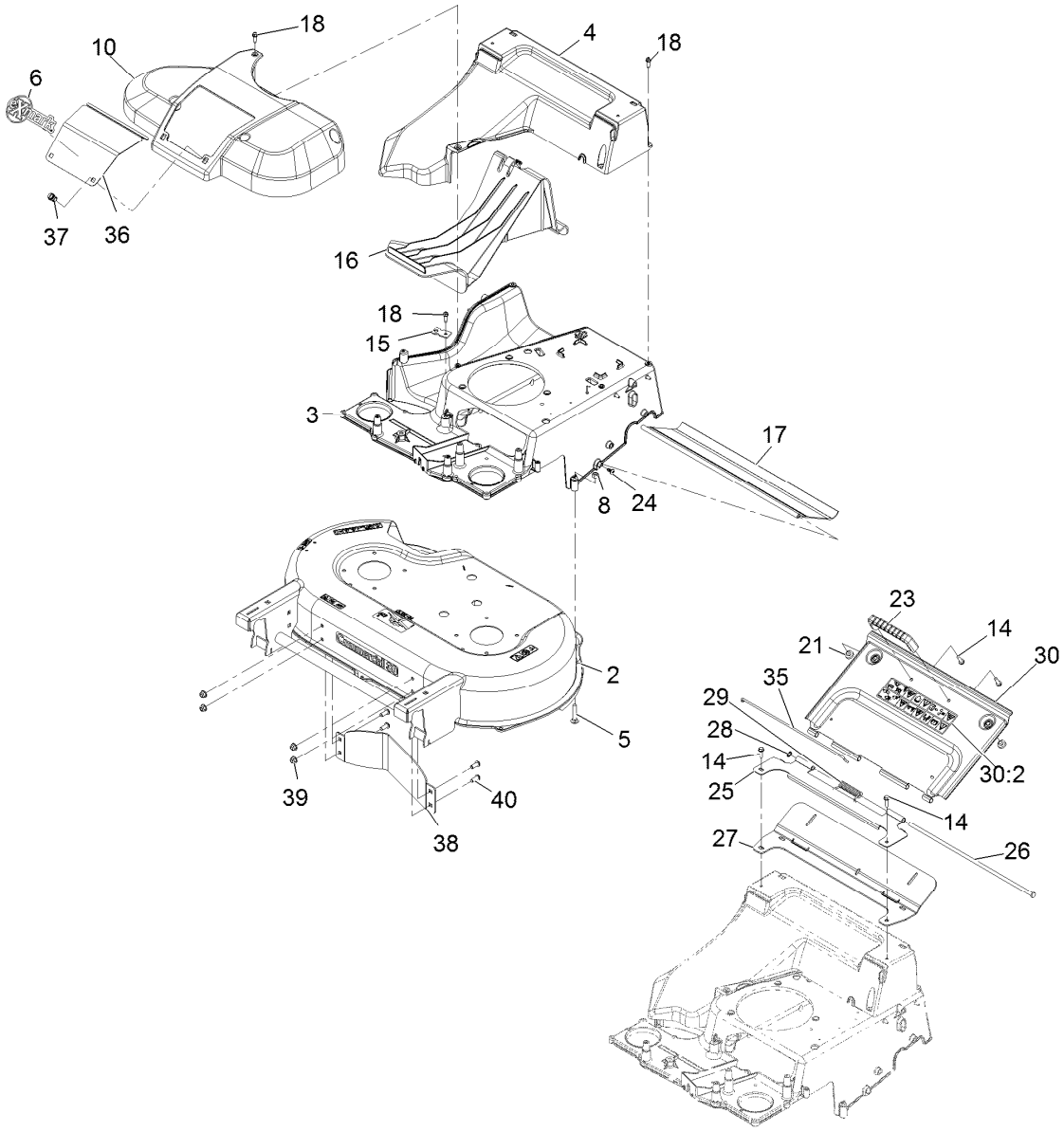
**Contact us at www.Exmark.com.**
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If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark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

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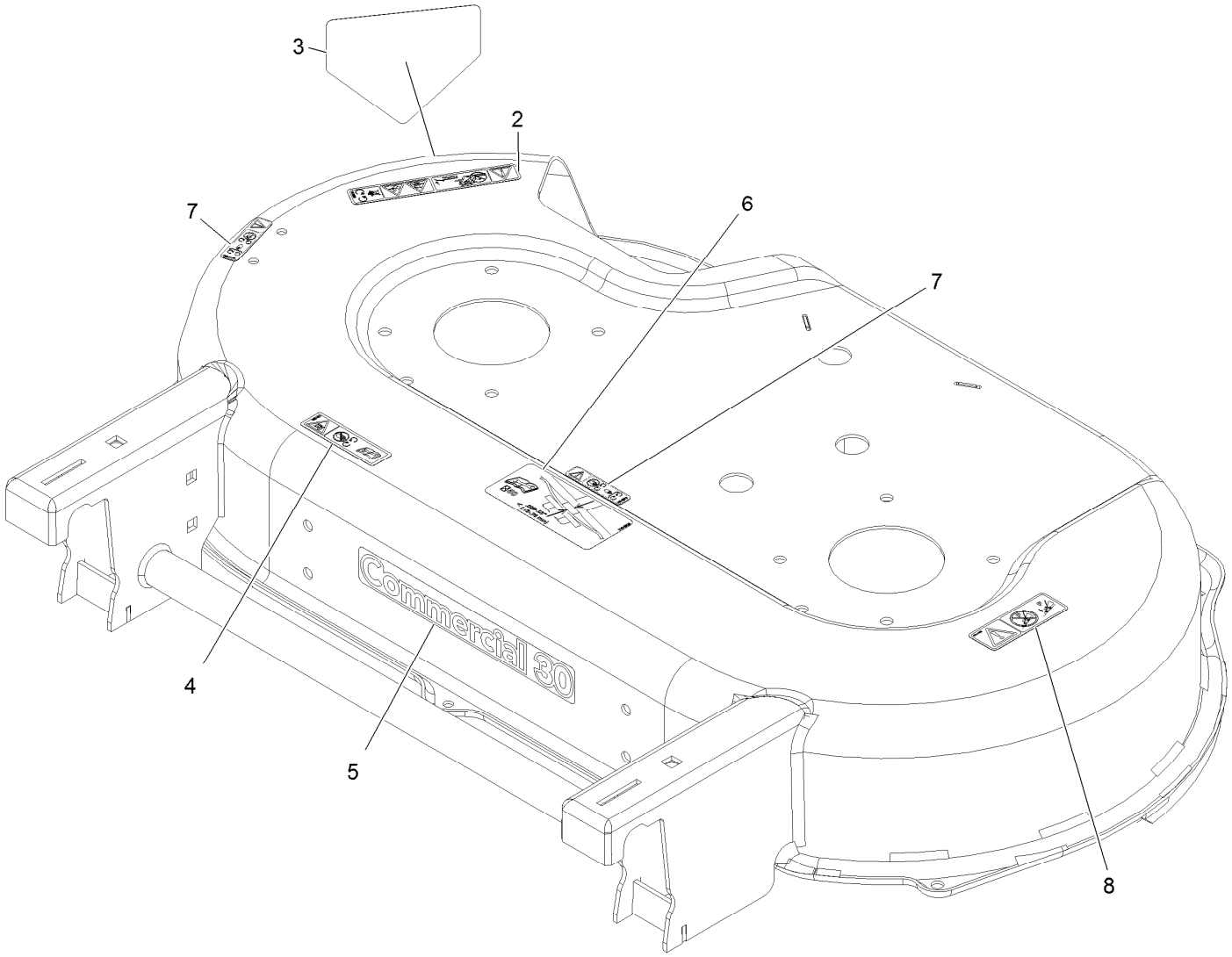



# Deck, Frame, and Chute Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 2 | 116-8354 | 1 | Deck ASM |
| 3 | 127-6859-01 | 1 | Frame |
| 4 | 120-3336 | 1 | Chute |
| 5 | 127-6841 | 2 | Screw-CARR |
| 6 | 103-2883 | 1 | Decal, Exmark Logo |
| 8 | 3296-29 | 2 | Nut-Nyloc 5/16-18 |
| 10 | 121-5810 | 1 | Cover-Belt |
| 14 | 46-8091 | 4 | Screw-HWH 1/4-10 X .82 Plastite |
| 15 | 107-7497 | 1 | Bracket-Cable, Traction |
| 16 | 120-5225 | 1 | Plug-Mulch |
| 17 | 121-5841 | 1 | Shield-Trailing |
| 18 | 49-2040 | 9 | Screw-HWH 1/4-20 X 3/4 Tf |
| 21 | 1-513658 | 2 | Bumper |
| 23 | 65-5100 | 1 | Handle-Door |
| 24 | 117-1092 | 2 | Screw-PTH |
| 25 | 116-6351-03 | 1 | Bracket-Hinge |
| 26 | 116-6933 | 1 | Pin-Hinge |

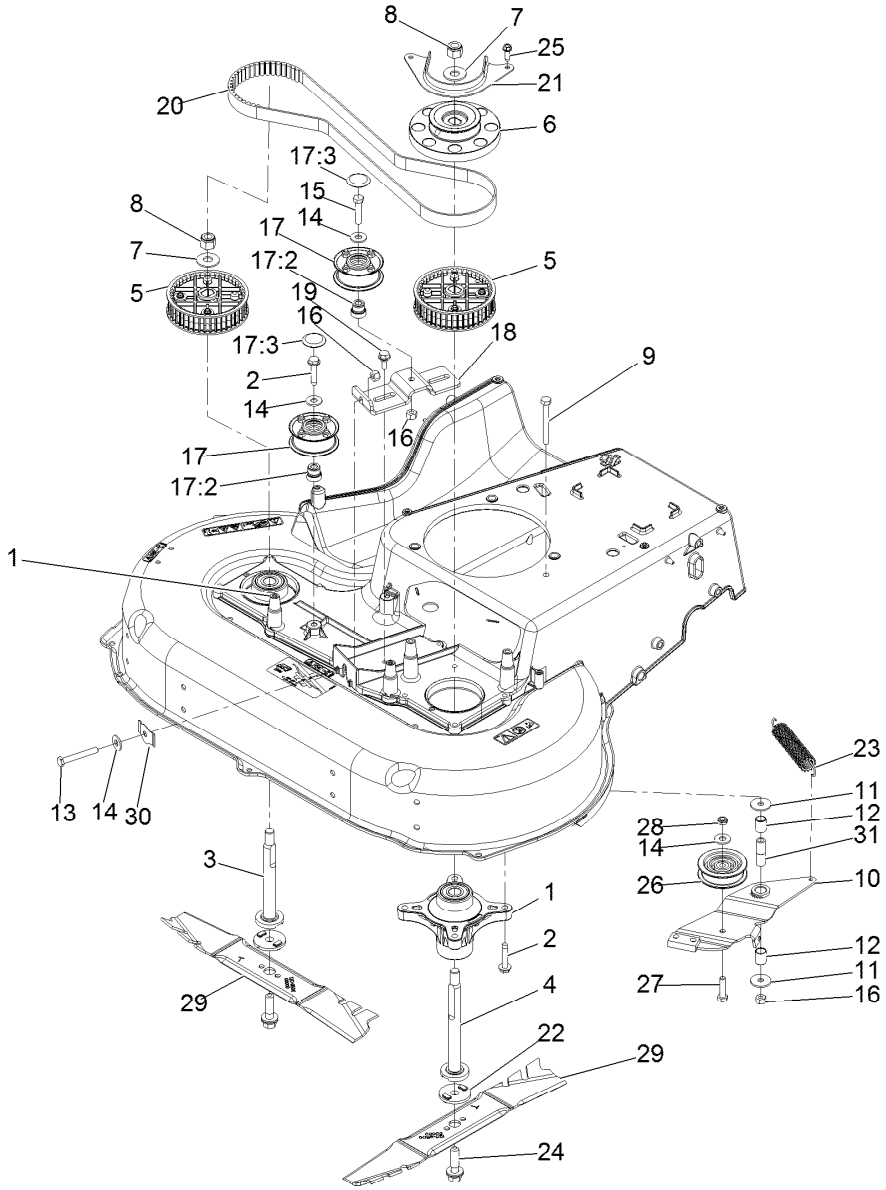
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 27 | 116-6229 | 1 | Seal-Door |
| 28 | 32151-72 | 1 | Ring-Retaining |
| 29 | 116-7573 | 1 | Spring-Torsion, Cover |
| 30 | 116-8355 | 1 | Rear Door ASM |
| 30:2 | 116-7583 | 1 | Decal-Warning |
| 35 | 116-6966 | 1 | Clip-Seal |
| 36 | 121-5793-03 | 1 | Door-Access |
| 37 | 121-5840 | 2 | Fastener |
| 38 | 130-2352-01 | 1 | Baffle-Control |
| 39 | 104-8300 | 4 | Nut-Nyloc 5/16-18 Flg |
| 40 | 3274-55 | 4 | Screw-Button Head 5/16-18 X 3/4 |
| 99 | 125-5072 | 1 | Frame Plate Kit ● |
| 99:1 | 125-2542 | 1 | Plate Frame ASM ● |
| 99:2 | 3229-3 | 3 | Bolt-Carriage 1/4-20 X 1 1/4 ● |
| 99:3 | 3296-42 | 3 | Nut-Nyloc 1/4-20 ● |

● Not illustrated



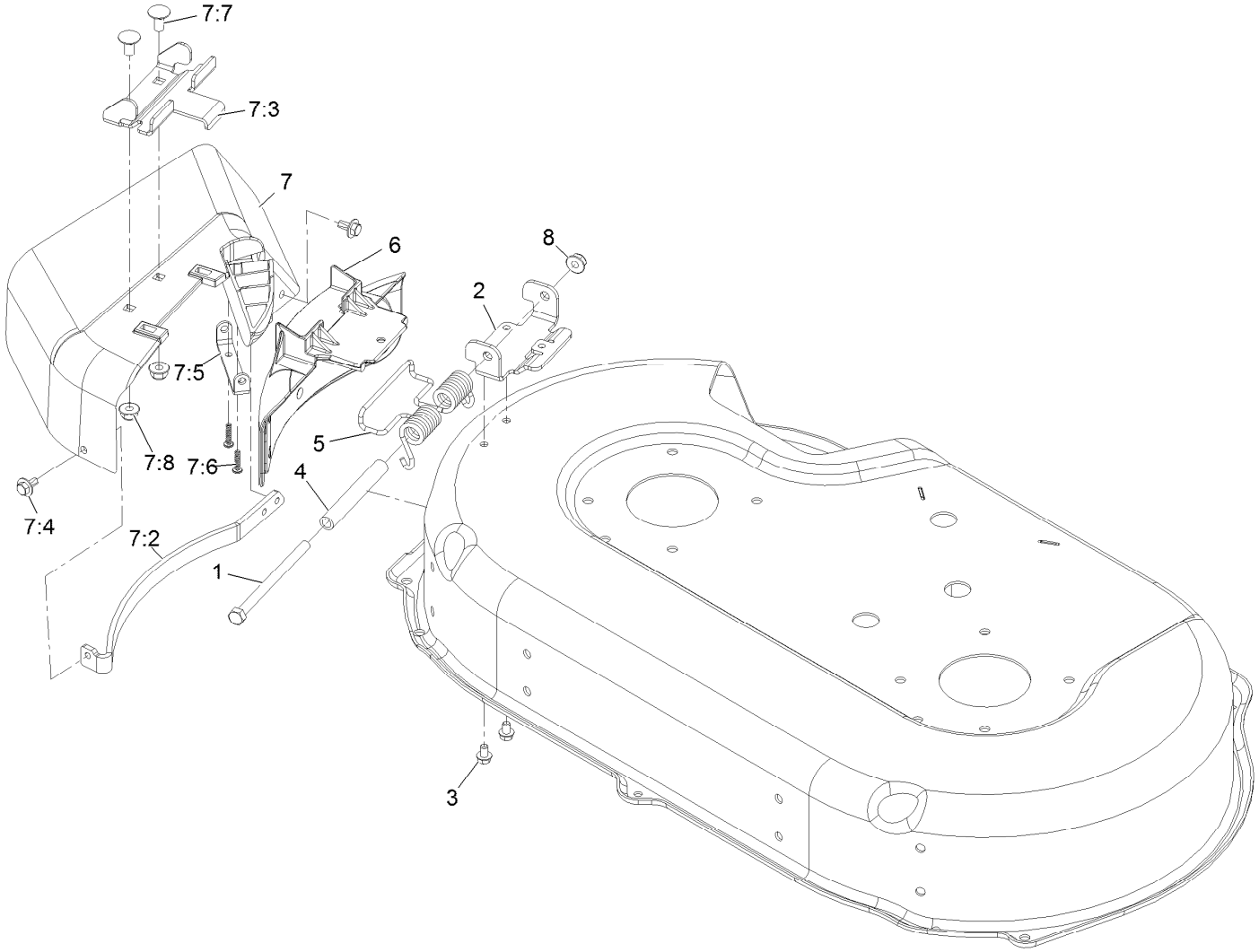

# Deck W/Decals

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 93-7009 | 1 | Decal-Danger |
| 3 | 94-8072 | 1 | Decal-Danger |
| 4 | 116-7581 | 1 | Decal-Warning |
| 5 | 116-8527 | 1 | Decal-Commercial 30 |
| 6 | 116-8528 | 1 | Decal |
| 7 | 120-9570 | 2 | Decal-Warning |
| 8 | 121-1449 | 1 | Decal-Warning, Block |



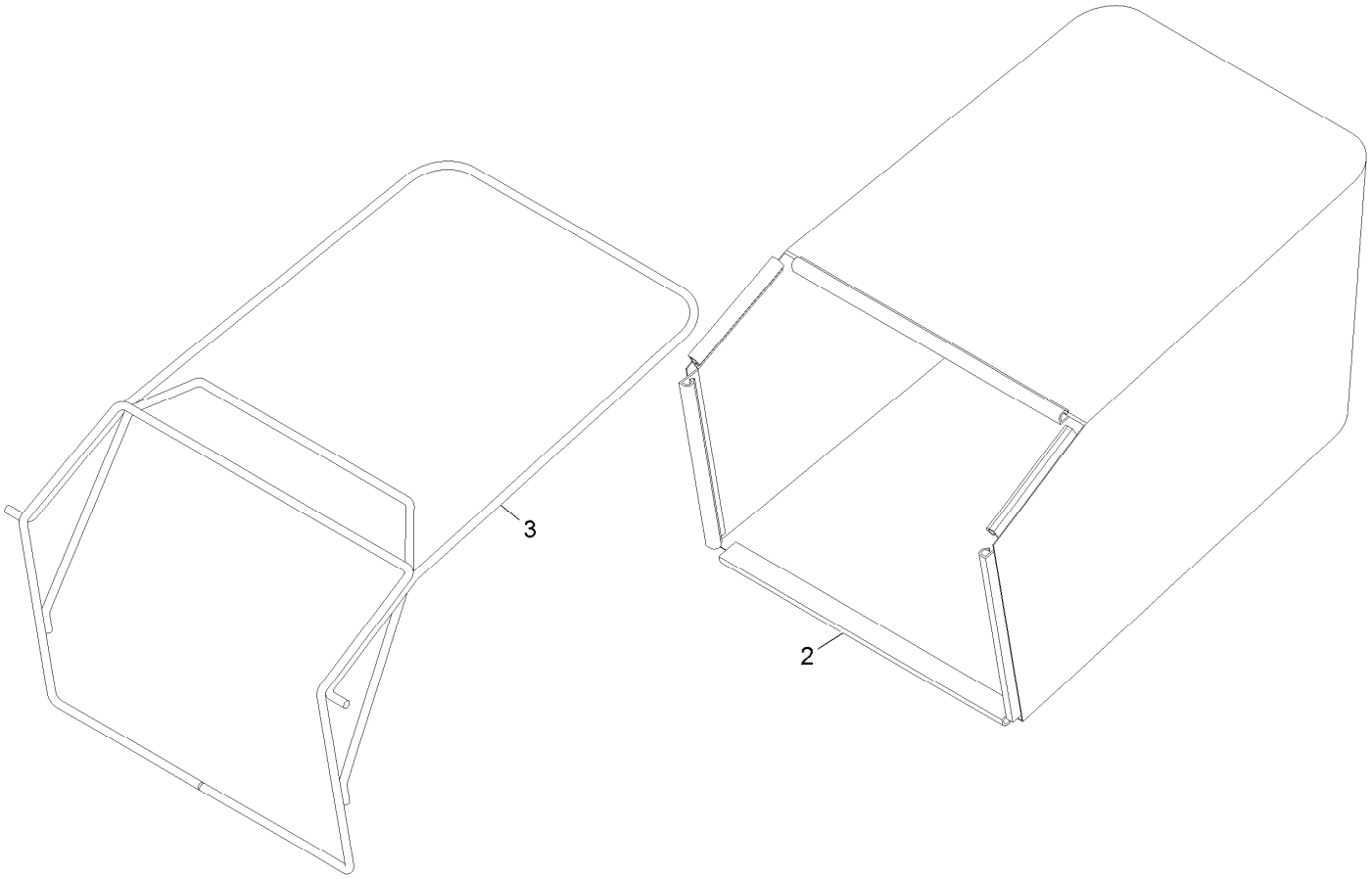

# Spindle and Blade Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-6234 | 2 | Spindle ASM |
| 2 | 32144-57 | 9 | Screw |
| 3 | 120-5234 | 1 | Shaft-Spindle |
| 4 | 120-5235 | 1 | Shaft-Spindle |
| 5 | 121-9100 | 2 | Sprocket |
| 6 | 130-6664 | 1 | Pulley-Brake, Spindle |
| 7 | 109-9505 | 2 | Washer, Spring Disc 1/2 |
| 8 | 3296-19 | 2 | Nut-Nyloc 1/2-20 |
| 9 | 322-13 | 1 | Screw-HH 5/16-18 X 2 3/4 |
| 10 | 121-5796 | 1 | Brake Arm ASM |
| 11 | 5-4460 | 2 | Washer-Pivot |
| 12 | 131-0819 | 2 | Bushing-Sleeve |
| 13 | 9114524 | 1 | Bolt-TAP, HH |
| 14 | 3256-3 | 4 | Washer-5/16 Std |
| 15 | 322-7 | 1 | Screw-HH 5/16-18 X 1 1/2 |
| 16 | 3296-29 | 3 | Nut-Nyloc 5/16-18 |
| 17 | 131-4529 | 2 | Kit-Pulley |
| 17:2 | 131-4504 | 2 | Bore Adapter-Loose Fit |
| 17:3 | 125-2533 | 2 | Plug-Cap |
| 18 | 120-3348 | 1 | Bracket-Idler |
| 19 | 120-7024 | 2 | Screw-Shoulder, HHF |
| 20 | 120-3335 | 1 | Belt-Synchronous |
| 21 | 120-5245-03 | 1 | Guide-Belt, Spindle |
| 22 | 120-5236 | 2 | Adapter-Blade |
| 23 | 121-5808 | 1 | Spring-Extension, Brake |
| 24 | 125-2466 | 2 | Bolt-Blade |
| 25 | 49-2040 | 2 | Screw-HWH 1/4-20 X 3/4 Tf |
| 26 | 120-7082 | 1 | Pulley-Idler |
| 27 | 322-6 | 1 | Screw-HH 5/16-18 X 1 1/4 |
| 28 | 3296-47 | 1 | Nut-Nyloc 5/16-18 Thin |
| 29 | 116-6358-03 | 2 | Blade-Rotary |
| 30 | 121-2336 | 1 | Spring-Flat |
| 31 | 131-0823 | 1 | Spacer-Brake |



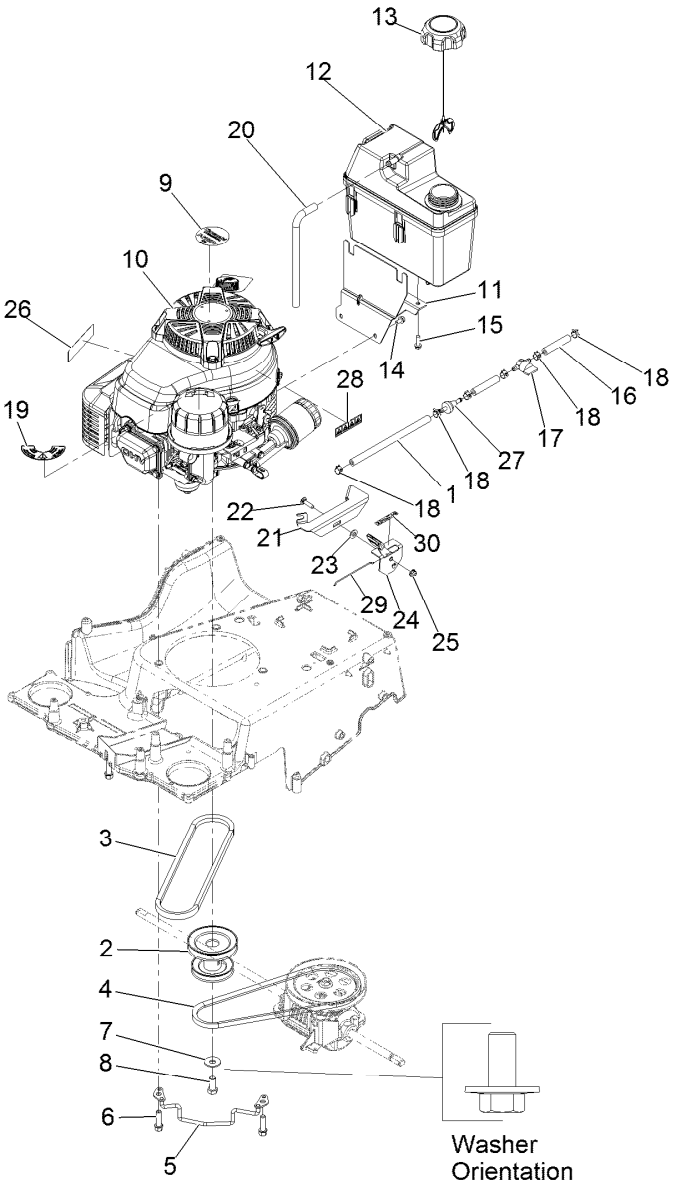

# Side Discharge Chute Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 322-38 | 1 | Screw-HH 5/16-18 X 4 1/2 |
| 2 | 121-9195 | 1 | Hinge |
| 3 | 99-8445 | 2 | Screw-HWH 1/4-20 X 3/8 Taptite |
| 4 | 125-2478 | 1 | Spacer |
| 5 | 121-9193 | 1 | Spring-Torsion |
| 6 | 125-5093-01 | 1 | Cover-Discharge |
| 7 | 116-9754 | 1 | Side Discharge Chute ASM |
| 7:2 | 116-9752-03 | 1 | Guard-Chute |
| 7:3 | 121-9196 | 1 | Bracket-Chute |
| 7:4 | 46-8560 | 2 | Screw-HHF 1/4-20 X 1/2 |
| 7:5 | 112-6416 | 1 | Bracket-Cover |
| 7:6 | 94-4496 | 2 | Screw-PPH |
| 7:7 | 3230-18 | 2 | Bolt-Carriage 5/16-18 X 5/8 |
| 7:8 | 104-8300 | 2 | Nut-Nyloc 5/16-18 Flg |
| 8 | 104-8300 | 1 | Nut-Nyloc 5/16-18 Flg |




# Bag Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 116-6350 | 1 | Bag-Grass |
| 3 | 116-5596-03 | 1 | Frame-Bag |



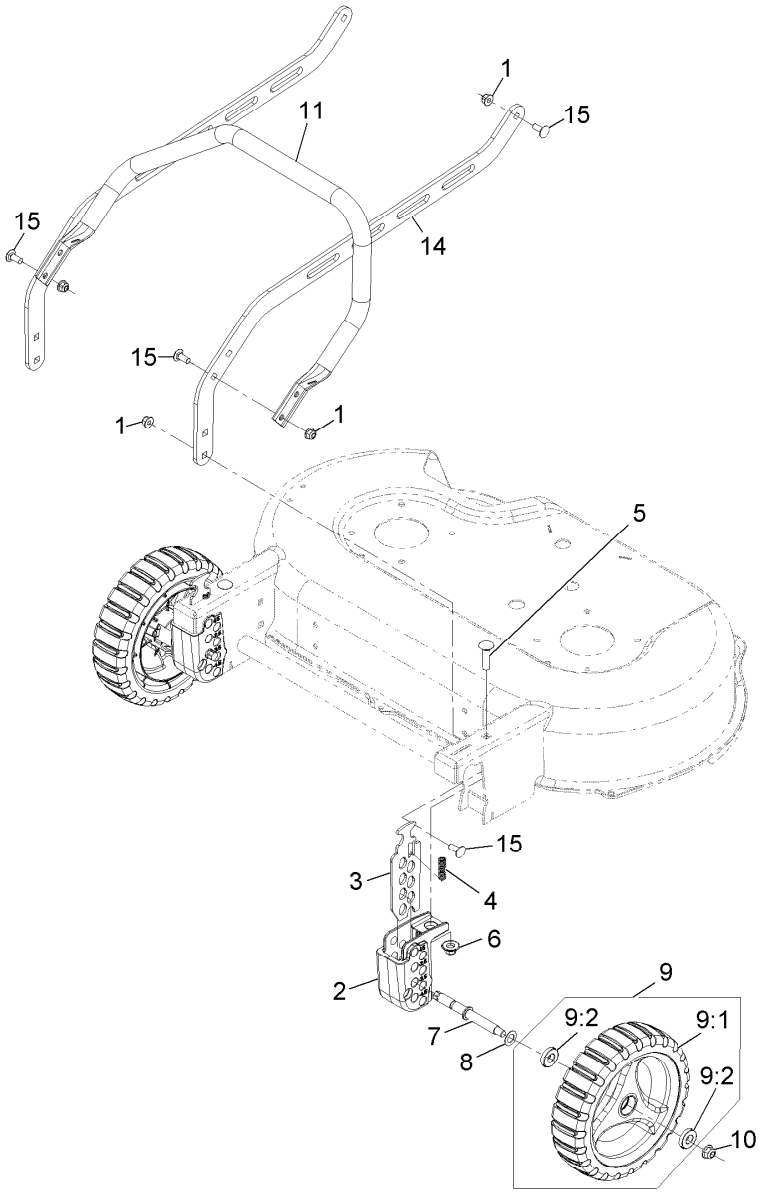

# Engine and Fuel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 119-1892 | 1 | Hose-Fuel |
| 2 | 116-7013 | 1 | Pulley-Engine |
| 3 | 121-5765 | 1 | V-Belt |
| 4 | 116-7116 | 1 | Belt |
| 5 | 120-7077 | 1 | Guide-Belt |
| 6 | 95-1727 | 3 | Screw-HWH 3/8-16 X 1 1/4 Taptite |
| 7 | 3290-465 | 1 | Washer-Spring Disc |
| 8 | 3212-4 | 1 | Screw-HH 7/16-20 X 1 |
| 9 | 109-6528 | 1 | Decal-Recoil |
| 10 | | 1 | Engine-Kawasaki Fj180V●■ |
| 11 | 115-0954-03 | 1 | Tank Mount ASM |
| 12 | 125-5066 | 1 | Tank ASM |
| 13 | 109-6776 | 1 | Cap-Ratchet, Tethered |
| 14 | 116-8929 | 3 | Screw-HWH |
| 15 | 46-8091 | 2 | Screw-HWH 1/4-10 X .82 Plastite |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 16 | 109-0304 | 2 | Hose-Fuel Line 2 1/2" |
| 17 | 1-603770 | 1 | Valve-Fuel |
| 18 | 2412-98 | 6 | Clamp-Hose |
| 19 | 130-6402 | 1 | Decal-Air Cleaner, Kai |
| 20 | 115-0962 | 1 | Hose-Vent, Canister |
| 21 | 130-6440-03 | 1 | Bracket-Mount, Throttle |
| 22 | 3229-30 | 1 | Bolt-Carriage 1/4-20 X 1 |
| 23 | 3256-23 | 1 | Washer-5/16 Sae |
| 24 | 130-9655 | 1 | Control-Throttle |
| 25 | 104-7201 | 1 | Nut-Nyloc 1/4-20 Flg |
| 26 | 117-2718 | 1 | Decal-Arrester, Spark |
| 27 | 71-9280 | 1 | Filter-Fuel |
| 28 | 116-9313 | 1 | Decal-Warning, Engine |
| 29 | 130-9654 | 1 | Wire-Control |
| 30 | 130-9656 | 1 | Decal-Throttle, Choke |

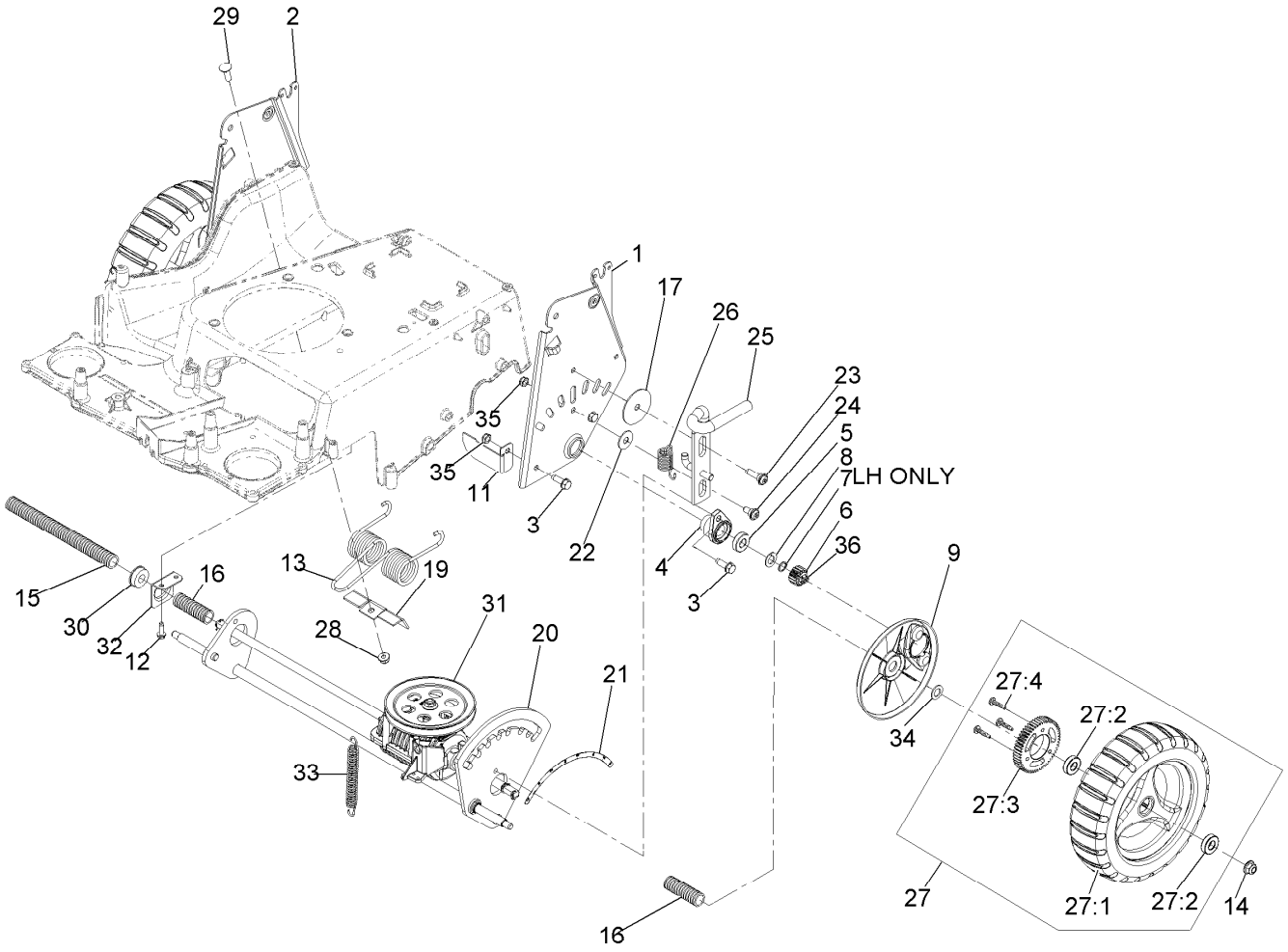
● Not serviced separately

■ Obtain parts from www.kawpowerepc.com




# Front Bumper and Wheel Assembly

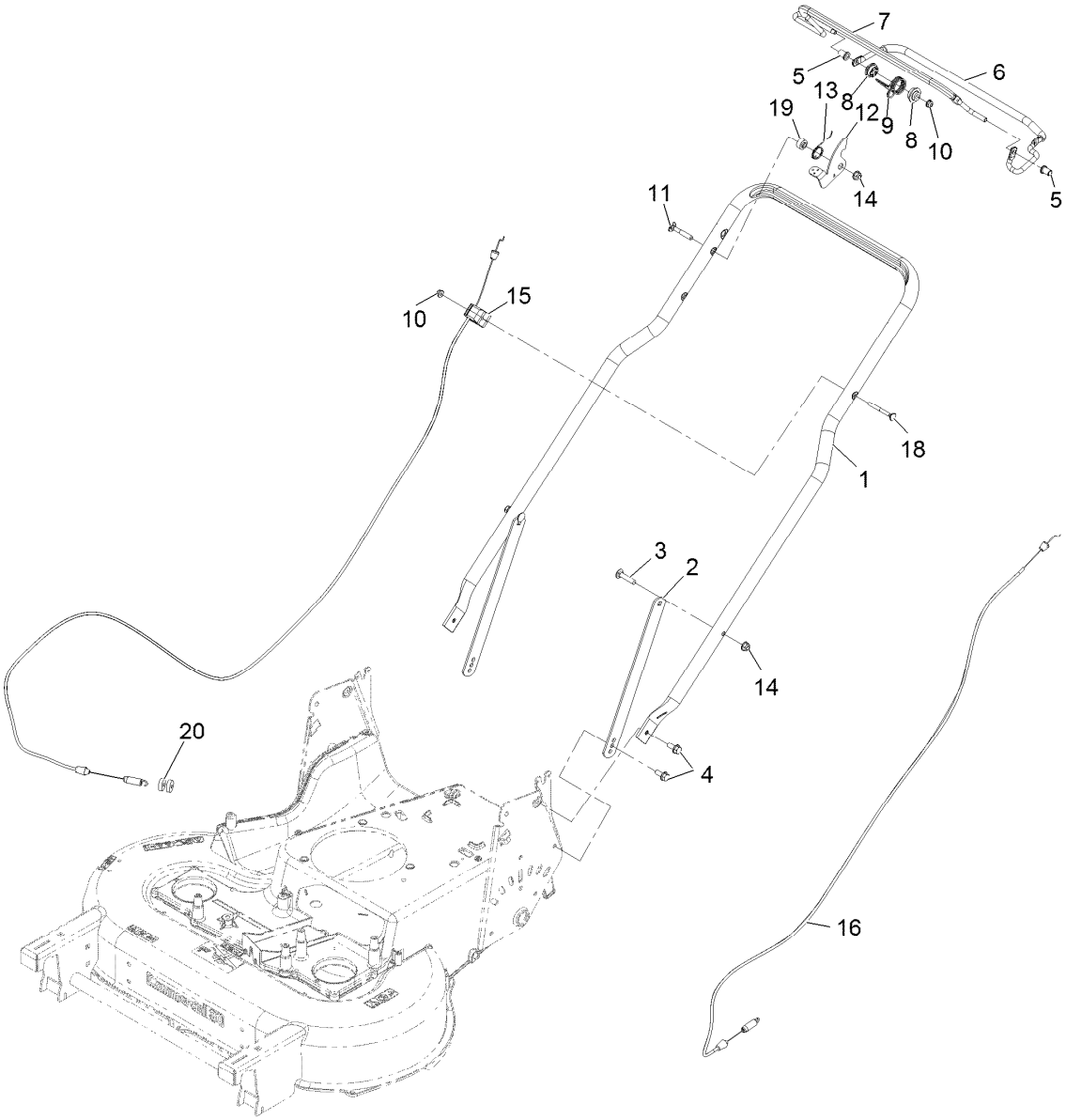
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 104-8300 | 10 | Nut-Nyloc 5/16-18 Flg |
| 2 | 116-6357 | 2 | Block-Front Quadrant |
| 3 | 109-9292 | 2 | Plate, Front Height |
| 4 | 109-7258 | 2 | Spring-Compression |
| 5 | 3231-26 | 2 | Bolt-Carriage 3/8-16 X 1 1/2 |
| 6 | 109-6658 | 2 | Nut-Nyloc 3/8-16 Flg |
| 7 | 116-0994 | 2 | Axle-Wheel |
| 8 | 36-4780 | 2 | Washer |
| 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 | 104-8301 | 2 | Nut-Nyloc 3/8-16 Flg |
| 11 | 116-7675-03 | 1 | Guard-Engine |
| 14 | 116-7661-03 | 2 | Brace-RH |
| 15 | 3230-23 | 10 | Bolt-Carriage 5/16-18 X 3/4 Short Neck |




# Deck and Wheel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 121-2394-03 | 1 | LH HOC Plate ASM |
| 2 | 121-2395-03 | 1 | RH HOC Plate ASM |
| 3 | 701243 | 7 | Screw-HWHTF |
| 4 | 120-5210 | 2 | Retainer-Bearing |
| 5 | 109-8020 | 2 | Bearing-Ball |
| 6 | 110-9417 | 2 | Gear-Pinion, 15T |
| 7 | 32151-61 | 1 | Ring-Retaining |
| 8 | 110-7191 | 2 | Washer-Thrust |
| 9 | 116-6352 | 2 | Cover-Gear |
| 11 | 121-5821 | 1 | Bracket-Stop |
| 12 | 49-2040 | 2 | Screw-HWH 1/4-20 X 3/4 Tf |
| 13 | 121-2368 | 1 | Spring-Torsion |
| 14 | 104-8301 | 2 | Nut-Nyloc 3/8-16 Flg |
| 15 | 121-5799 | 1 | Conduit-Convoluted |
| 16 | 121-5800 | 2 | Conduit-Convoluted |
| 17 | 125-2540 | 1 | Washer-Plain |
| 19 | 121-2397 | 1 | Bracket |
| 20 | 131-4516 | 1 | Axle-Rear |
| 21 | 116-7127 | 1 | Decal-HOC, Rear |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 22 | 52-2860 | 1 | Washer |
| 23 | 119-2267 | 1 | Screw-Shoulder, BHTF |
| 24 | 120-9471 | 1 | Bolt-Shoulder |
| 25 | 120-7090 | 1 | Lock-Height, Adjust |
| 26 | 120-9452 | 1 | Spring-Extension |
| 27 | 116-5291 | 2 | 10-Inch Rear Wheel |
| 27:1 | 116-5292 | 1 | ASM-Wheel 10" |
| 27:2 | 109-8020 | 2 | Bearing-Ball |
| 27:3 | 109-7264 | 1 | Gear |
| 27:4 | 27-6260 | 3 | Screw-Drive |
| 28 | 104-8300 | 1 | Nut-Nyloc 5/16-18 Flg |
| 29 | 3230-2 | 1 | Bolt-Carriage 5/16-18 X 1 |
| 30 | 104-8699 | 1 | Bearing-Ball |
| 31 | 131-9667 | 1 | Transmission Kit |
| 32 | 120-7008 | 1 | Mount-Bearing |
| 33 | 120-7027 | 1 | Spring-Extension |
| 34 | 36-4780 | 2 | Washer |
| 35 | 3296-47 | 2 | Nut-Nyloc 5/16-18 Thin |
| 36 | 130-2369 | 2 | Pin-Snap |




# Handle Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 120-7086-03 | 1 | Handle |
| 2 | 116-8208-03 | 2 | Support-Handle |
| 3 | 3230-4 | 2 | Bolt-Carriage 5/16-18 X 1 1/2 |
| 4 | 116-7230 | 4 | Screw-HHF |
| 5 | 116-1478 | 2 | Bushing-Handlebar |
| 6 | 116-7907 | 1 | Bail-Drive Coated |
| 7 | 109-8442 | 1 | Bail |
| 8 | 109-8457 | 2 | Bushing-Spring, Pivot |
| 9 | 116-5594 | 1 | Spring-Return, BBC |
| 10 | 104-7201 | 2 | Nut-Nyloc 1/4-20 Flg |
| 11 | 112-8876 | 1 | Bolt-Carriage 5/16-18 X 2 |
| 12 | 116-2998 | 1 | Lever-BBC |
| 13 | 109-9318 | 1 | Spring-Lever, BBC |
| 14 | 104-8300 | 3 | Nut-Nyloc 5/16-18 Flg |
| 15 | 126-0491 | 1 | Kit-Cable, BBC |
| 16 | 126-1664 | 1 | Cable-Traction |
| 18 | 92-2270 | 1 | Screw-Handle |
| 19 | 116-2690 | 1 | Bushing-Stepped |
| 20 | 1-323417 | 2 | Washer |
| 99 | 614249 | 3 | Tie-Cable ● |

● Not illustrated

## Notes:

## Notes:

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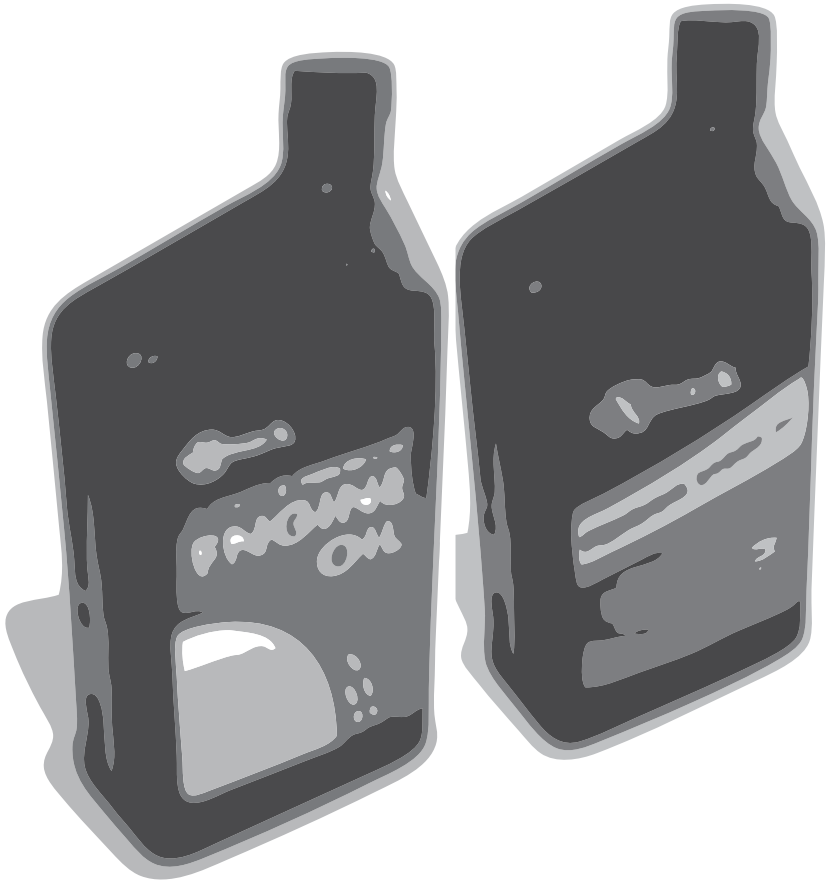
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LIGHT KIT
12V POWER PORT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
SUN SHADE
TRASH CONTAINER
TURF STRIPER
ULTRA VAC COLLECTION SYSTEM
ULTRA VAC QUICK DISPOSAL SYSTEM

### OUT-FRONT RIDING ACCESSORIES AND OPTIONS

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

### WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER
MICRO-MULCH SYSTEM
TURF STRIPER
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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**(402) 223-6300**
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