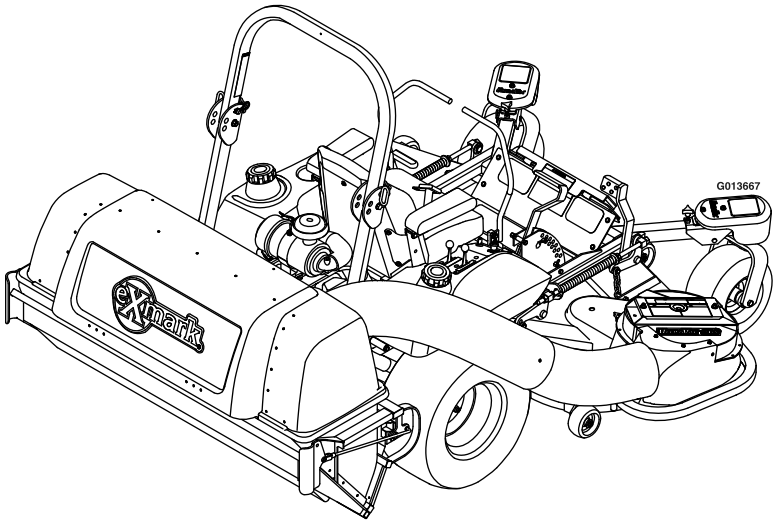
Parts Manual

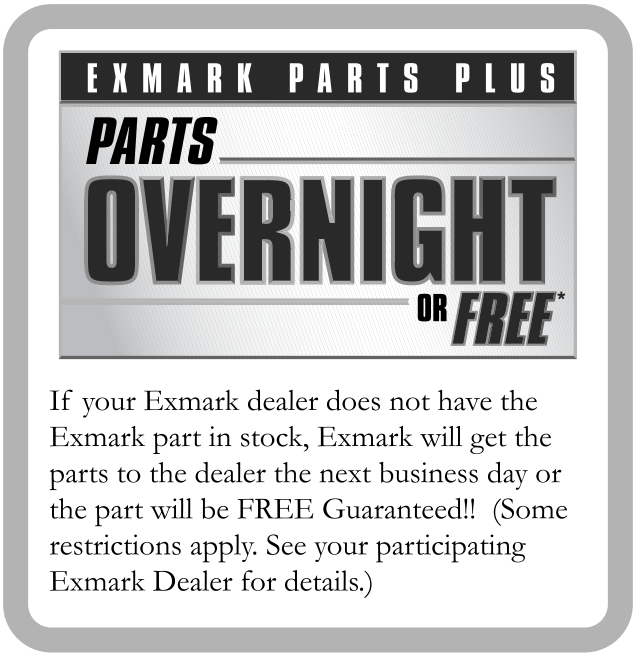



# ULTRA VAC® QDS

## LAZER Z®, LAZER Z® AS, LAZER Z® XP, LAZER Z® XS AND LAZER Z® DS MODELS

**For Ultra Vac Serial Nos.**
**312,000,000 & Higher**
**(to fit Lazer Z (LZ), Lazer Z AS (LAS),**
**Lazer XP Units 352,000–789,999)**
**(to fit Lazer Z XS Units**
**352,000 & Higher)**
**(to fit Lazer Z DS Units**
**312,000,000 & Higher)**

Part No. 4501-077 Rev. A




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.)

# WARNING

**READ OPERATOR'S MANUAL BEFORE OPERATING OR SERVICING EXMARK EQUIPMENT**

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| Hopper Assembly | 5-6 |
| Weight and Belt Drive Components | 7-8 |

# BLOWER ASSEMBLY

| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 1 | 109-1133-03 | Wld, Blower Mount 60"&72" | 1 |
| 2 | 103-0455 | Wld, Impeller | 1 |
| 3✚ | 1-653346 | Bearing, SPH. OD | 2 |
| 4 | 1-513013 | Housing, Flange | 4 |
| 5✚ | 103-0456 | Sheave, Blower | 1 |
| 6 | 103-3593 | Wld, Upper Housing | |
| | | (103-0457-03) With Decals | 1 |
| 7 | 1-653331 | Spring, Idler | 1 |
| 8 | 3290-357 | 3/8-16 Whizlock Nut | 8 |
| 9 | 114439 | Rivet | 3 |
| 10 | 323-11 | Screw HH 3/8-16 x 2 1/4 | 4 |
| 11 | 3256-4 | Washer, Flat .438 x 1.00 x .083 | 4 |
| 12▲ | 109-2954 | Asm, Blower Chute | 1 |
| 13 | 1-353054 | Latch, Grass Catcher | 1 |
| 14 | 3296-39 | Nut, Nyloc 3/8-16 | 1 |
| 15 | 1-603044 | Bushing, Idler Pivot | 1 |
| 16 | 103-0458-01 | Bumper | 1 |
| 17 | 103-0448 | Asm , Idler W/Bushings | |
| | | (103-0462-03) Zerk, & Decal | 1 |
| 18 | 3230-18 | Bolt, Carriage 5/16-18 x 5/8 | 6 |
| 19 | 1-513208 | Washer, Spring Disk | 1 |
| 20 | 3219-6 | Nut, 5/8-18 | 1 |
| 21■ | 3220-5 | Nut, Jam 1/2-20 | 1 |
| 22 | 1-513435 | Washer, Spring Disk | 1 |
| 23 | 103-0460 | Spacer | 1 |
| 24 | 32128-20 | Nut, Whizlock 5/16-18 | 6 |
| 25 | 321-4 | Screw, HH 1/4-20 x 3/4 | 2 |
| 26 | 321-3 | Screw, HH 1/4-20 x 5/8 | 10 |
| 27 | 32128-33 | Nut, Whizlock 1/4-20 | 17 |
| 28 | 1-303334 | Washer, Spring Disk 5/16 | 1 |
| 29 | 3229-11 | Bolt, Carriage 1/4-20 x 5/8 | 3 |
| 30 | 103-0126 | Bushing, Locator | 1 |
| 31 | 3257-32 | Key, Woodruff #61 5/8 x 3/16 | 1 |
| 32 | 103-3583 | Cover, Bearing (103-3584-03) | |
| | | With Decal | 1 |

| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 33 | 3296-47 | Nut, Nyloc 5/16-18 (thin) | 2 |
| 34 | 3256-3 | Washer, Flat 5/16 x 7/8 OD | 2 |
| 35 | 3274-18 | Screw, Socket HD 5/16-18 x 1 1/4 | 1 |
| 36 | 1-803075 | Screw, CRTH #10-24 x 3/4 | 3 |
| 37 | 3290-148 | Nut, Whizlock #10-24 | 3 |
| 38 | 1-803076 | Screw, CRTH 1/4-20 x 3/4 | 2 |
| 39 | 323-8 | Screw HH 3/8-16 x 1 1/2 | 2 |
| 40 | 103-2898 | Latch, Rubber | 2 |
| 41 | 3217-6 | Nut 5/16-18 | 1 |
| 42 | 103-0461-03 | Plate, Blower Backing | 1 |
| 43 | 323-4 | Screw HH 3/8-16 x 3/4 | 3 |
| 44 | 302-19 | Zerk, 1/8-28 Straight | 1 |
| 45 | 103-0483 | Idler | 1 |
| 46 | 1-653367 | Hub, Spacer | 1 |
| 47 | 1-653600 | Bearing | 2 |
| 48 | 103-3093 | Plate, Backing | 2 |
| 49 | 103-0445-03 | Wld, Mount Pin | 1 |
| 50 | 32105-13 | Screw, HWH #10-24 x 3/4 | 10 |
| 51 | 109-1974 | Tube, Lower | 1 |
| 52 | 109-3525 | Tube, Upper 60" | 1 |
| | 109-1968 | Tube, Upper 66" & 72" | 1 |
| 53 | 103-2897 | Latch, Catch | 2 |
| 54 | 3256-61 | Washer, Flat .216 x .75 x .05 | 6 |
| 55 | 3296-2 | Nut, Nyloc #10-24 | 10 |
| 56 | 321-6 | Screw, HH 1/4-20 x 1 | 2 |
| 57 | 103-3079 | Plate, Backing | 2 |
| 58 | 1-353005-03 | Handle | 1 |
| 59 | 3296-42 | Nut, Nyloc 1/4-20 | 4 |
| 60 | 3256-55 | Washer, Flat .26 x 1.25 | 2 |
| 61 | 3229-1 | Bolt, Carriage 1/4-20 x 3/4 | 2 |
| 62 | 109-1986 | Asm, Blower | |
| | | (Includes Items 1-49, 61 & Decals) | 1 |
| 63 | 103-4751-03 | Plate, Reinforcement | 1 |
| 64 | 3256-26 | Washer-1/2 SAE | 1 |
| 65 | 3296-28 | Nut-Nyloc | 1 |

Exmark black touch up spray paint – gloss black

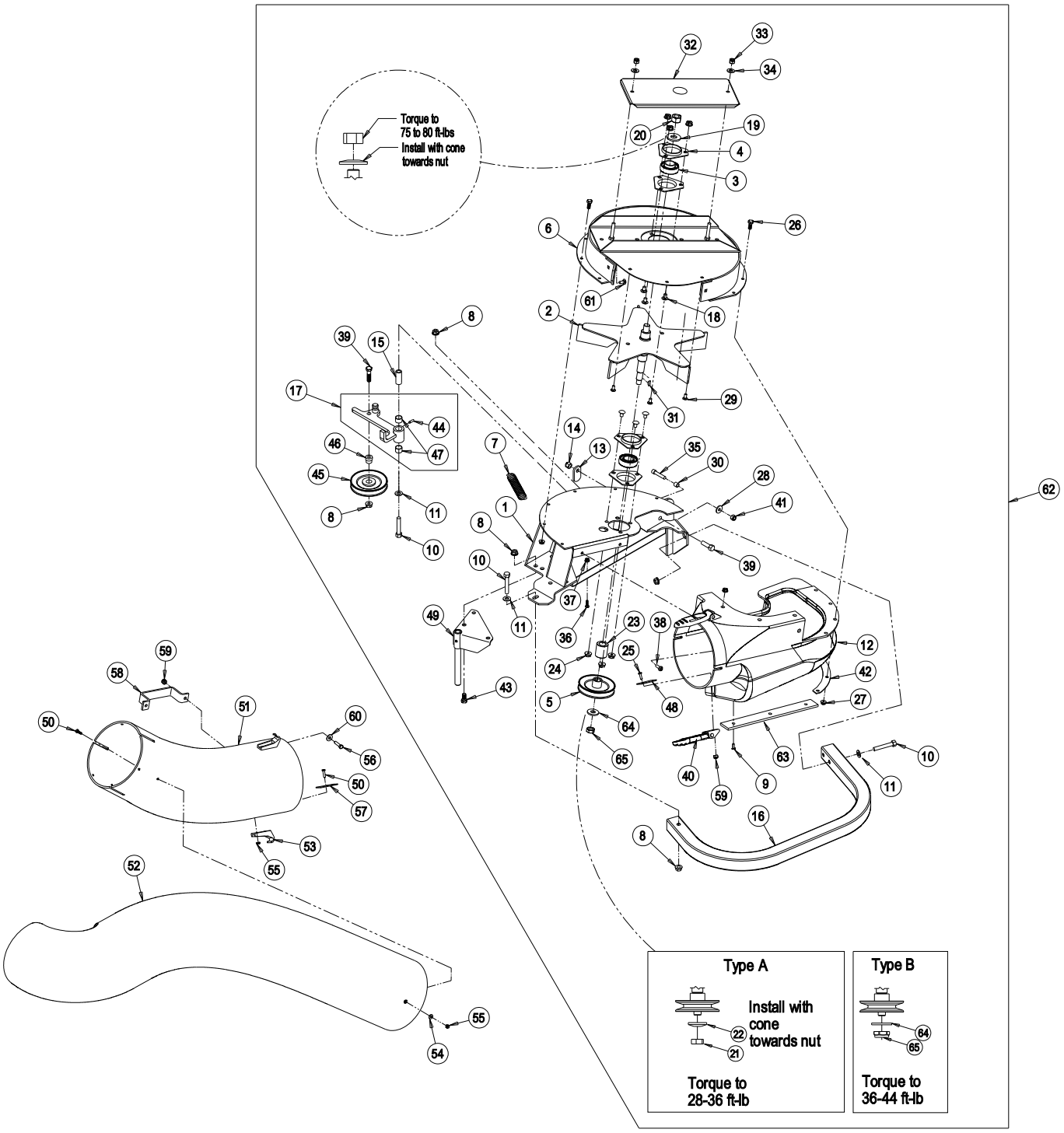
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140)

✚ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade antisieze) on bore of sheave and bearings. Kit 103-0583 is available to add or repair the welded-on accessory mounting tube on all 44"-72" decks.

▲ Includes items 9 and 63.

■ Use Pro-Lock retaining type, Part no. 1-840023 (.5cc tube) on threads.

# BLOWER ASSEMBLY



# HOPPER ASSEMBLY

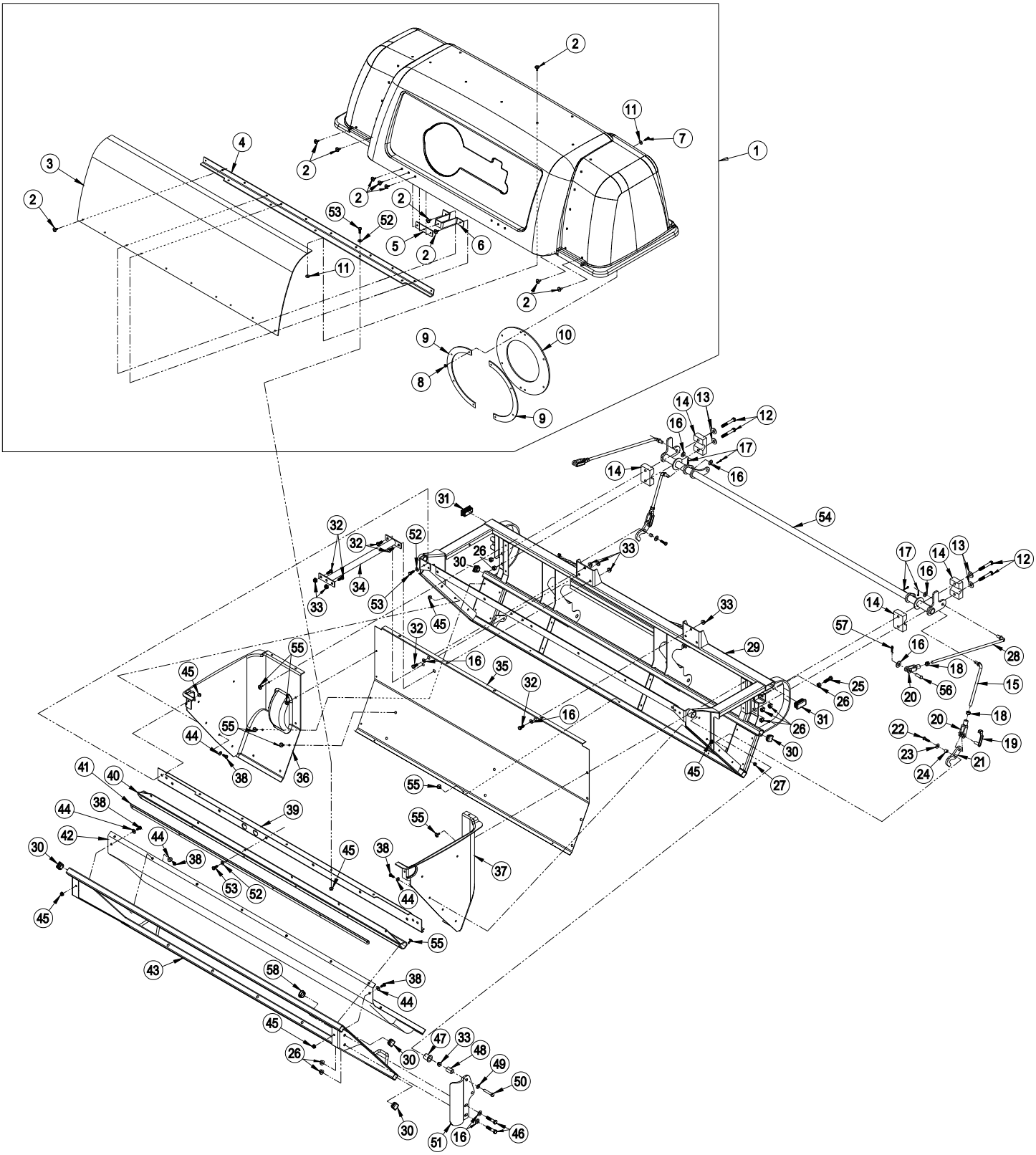
| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 1✚ | 103-2736 | Asm, Hood Dump | 1 |
| 2 | 114439 | Rivet, Pop 3/16 x 1/2 | 33 |
| 3 | 103-0440 | Screen, Bagger | 1 |
| 4 | 103-2662-03 | Support, Screen | 1 |
| 5 | 103-0376 | Plate, Latch Reinforce | 2 |
| 6 | 103-0379 | Bracket, Mount | 2 |
| 7 | 3250-27 | Screw, #10-24 x 3/4 CRTH | 8 |
| 8 | 3296-2 | Nut, Nyloc #10-24 | 8 |
| 9 | 103-0378 | Clamp, Seal | 2 |
| 10 | 103-0439 | Seal, Tube | 1 |
| 11 | 3256-61 | Washer, Flat .216 x .750 | 23 |
| 12 | 323-12 | Screw, HH 3/8-16 x 2 1/2 | 4 |
| 13 | 3256-4 | Washer, Flat 7/16 x 2 | 4 |
| 14 | 103-2409 | Bearing, Block Half | 4 |
| 15 | 103-2413 | Linkage, Handle | 2 |
| 16 | 3256-24 | Washer, Flat .406 x .813 | 12 |
| 17 | 3272-10 | Pin, Cotter 1/8 x 3/4 | 4 |
| 18 | 3219-3 | Nut, HH 3/8-24 | 4 |
| 19 | 103-2399 | Pin, Spring Clevis 3/8 | 2 |
| 20 | 1-633131 | Yoke, Brake Linkage | 4 |
| 21 | 103-3191-03 | Latch | 2 |
| 22 | 321-6 | Screw, HH 1/4-20 x 1 | 2 |
| 23 | 3256-55 | Washer, Flat 1/4 | 2 |
| 24 | 1-633545 | Spacer, Gommet | 2 |
| 25 | 323-53 | Bolt, Tap 3/8-16 x 1 3/4 | 2 |
| 26 | 3290-357 | Nut, HHF 3/8-16 | 12 |
| 27 | 3296-42 | Nut, Nyloc 1/4-20 | 2 |
| 28 | 103-2365 | Link, Hinge | 2 |
| 29 | 103-4742-03 | Wld, Upright | 1 |
| 30 | 103-3202 | Cap, Tube 1 x 1 | 6 |

| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 31 | 103-3201 | Cap, Tube 1 x 2 | 2 |
| 32 | 322-3 | Screw, HH 5/16-18 x 3/4 | 6 |
| 33 | 32128-20 | Nut, Whizlock 5/16-18 | 8 |
| 34 | 103-2414-03 | Wld, Rear Crossmember | 1 |
| 35 | 103-2404-03 | Sheet, Wall | 1 |
| 36 | 103-7826 | Panel, Bagger LH | 1 |
| 37 | 103-7827 | Panel, Bagger RH | 1 |
| 38 | 321-3 | Screw, HH 1/4-20 x 5/8 | 32 |
| 39 | 103-2710 | Asm, Rear Crossmember | 1 |
| 40 | 103-2360 | Seal, Door Hinge | 1 |
| 41 | 103-3010-03 | Strap, Hold Down | 1 |
| 42 | 103-2383 | Asm, Bag & Bottom Panel | 1 |
| 43 | 103-2737 | Asm, Door Frame | 1 |
| 44 | 3256-2 | Washer, Flat .312 x .750 | 32 |
| 45 | 32128-33 | Nut, Whizlock 1/4-20 | 36 |
| 46 | 323-6 | Screw, HH 3/8-16 x 1 | 4 |
| 47 | 103-2377 | Bushing | 2 |
| 48 | 103-2361 | Pin, Hinge Pivot | 2 |
| 49 | 3256-23 | Washer, Flat .344 x .688 | 2 |
| 50 | 322-9 | Screw, HH 5/16-18 x 1 3/4 | 2 |
| 51 | 103-3332-03 | Arm, Hinge LH | 1 |
| | 103-3331-03 | Arm, Hinge RH (Not Shown) | 1 |
| 52 | 3256-22 | Washer, 1/4 SAE | 22 |
| 53 | 321-4 | Screw, HH 1/4-20 x 3/4 | 22 |
| 54 | 103-2412-03 | Wld, Intermediate Link | 1 |
| 55 | 114439 | Rivet, Pop 3/16 x 1/2 | 23 |
| 56 | 1-808285 | Pin, Clevis | 2 |
| 57 | 1-806003 | Pin, Hair | 2 |
| 58 | 103-8018 | Dome, Plug | 2 |

Exmark black touch up spray paint – gloss black

✚ Includes items 2 through 11 and large Exmark decal.

# HOPPER ASSEMBLY



# WEIGHT AND BELT DRIVE COMPONENTS

| Ref No. | Part No. | Description | LAZER below SN 600,000 & all AS 789,999 and Lower | | LAZER above SN 600,000-789,9999 | | | LAZER XP | | LAZER XS below SN 600,000 | | LAZER XS & LAZER DS above SN 600,000 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 60” | 72” | 60” | 66" | 72” | 60” | 72” | 60” | 72” | 60” | 66" | 72” |
| 1 | 109-3458 | Pin, Chute Pivot | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1-806003 | Hairpin, Cotter | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 103-2792 | Sheave, Jackshaft LZUV 60 | 1 | | | | | 1 | | 1 | | | | |
| | 103-2796 | Sheave, Jackshaft LZUV 72 | | 1 | | | | | 1 | | 1 | | | |
| | 103-2797 | Sheave, Jackshaft, LZUV 52 | | | | | | | | | | | | |
| | 109-1164 | Sheave, 60 Triton & Series 5 | | | 1 | | | | | | | 1 | | |
| | 109-1216 | Sheave 66 Triton | | | | 1 | | | | | | | 1 | |
| | 109-1231 | Sheave 72 Triton & Series 5 | | | | | 1 | | | | | | | 1 |
| 4 | 1-653438 | Belt, Blower Drive 52 | | | | | | | | | | | | |
| | 103-0866 | Belt, Blower Drive 60 | 1 | | | | | 1 | | 1 | | | | |
| | 103-0867 | Belt, Blower Drive | | 1 | | 1 | | | 1 | | 1 | | 1 | |
| | 109-1242 | Belt, Blower Drive 60 Triton & Series 5 | | | 1 | | | | | | | 1 | | |
| | 109-1244 | Belt, Blower Drive 72 Triton & Series 5 | | | | | 1 | | | | | | | 1 |
| 5 ● | 103-0899 | Weight, 70lb w/ 1.5” bracket | 1 | | | | | | | | | | | |
| | 103-0900 | Weight, 70lb w/ 2.0” bracket | 1 | | 2 | | | | | 2 | | 2 | | |
| | 103-0901 | Weight, 43lb w/ 1.5” bracket | | | | | | | | | | | | |
| | 103-0902 | Weight, 43lb w/ 2.0” bracket | | 2 | | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 |
| 6 | 103-2180-01 | Wld, Weight Bracket 2.0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 103-2181-01 | Wld, Weight Bracket 1.5 | 1 | | | | | | | | | | | |
| 7 | 283-69 | Pin, Clevis | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | 1-806005 | Hairpin, Cotter | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | 3290-357 | Nut, Whizlock 3/8-16 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 10 | 103-2500 | Screw, Sq Head 3/8-16 x 2 1/2 | | 4 | | 4 | 4 | 4 | 4 | | 4 | | 4 | 4 |
| | 103-2189 | Screw, Sq Head 3/8-16 x 4 | 4 | | 4 | | | | | 4 | | 4 | | |
| 11 | 103-1425-01 | Plate, Weight | 4 | 4 | | | | 4 | 4 | 4 | 4 | 4+ | 4+ | 4+ |
| 12 | 322-9 | Screw, HH 5/16 -18 x 1 3/4 | 4 | 4 | | | | 4 | 4 | 4 | 4 | 4** | 4** | 4** |
| 13 | 3256-23 | Washer, 5/16 SAE | 4 | 4 | | | | 4 | 4 | 4 | 4 | 4** | 4** | 4** |
| 14 | 32128-20 | Nut, Whizlock 5/16-18 | 4 | 4 | | | | 4 | 4 | 4 | 4 | 4** | 4** | 4** |
| 15 | 103-1028 | Stud, Belt Shield | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 1-603610 | Washer, Spring Disc 7/16 | 2 | | 2 | | | 2 | | 2 | | 2 | | |
| 17 | 1-633545 | Spacer, Grommet | 1 | | 1 | | | 1 | | 1 | | 1 | | |
| 18 | 3256-27 | Washer, 5/8 SAE | | | 1 | 1 | 1 | | | | | 1 | 1 | 1 |
| 19 | 103-0734 | Belt Cover 52” | | | | | | | | | | | | |
| | 103-0735 | Belt Cover 60” | 1 | | | | | 1 | | 1 | | | | |
| | 103-0736 | Belt Cover 72” | | 1 | | | | | 1 | | 1 | | | |
| | 109-1171 | Belt Cover 60" Triton & Series 5 | | | 1 | | | | | | | 1 | | |
| | 109-1172 | Belt Cover 66" Triton | | | | 1 | | | | | | | 1 | |
| | 109-1173 | Belt Cover 72" Triton & Series 5 | | | | | 1 | | | | | | | 1 |
| 20 | 103-2187 | Knob | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 21 | 3256-24 | Washer | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 22 | 103-2188 | Spring | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 23 | 103-1279 | Plug | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | 103-5856-01 | Plate, Weight Mounting | 2 | 2 | | | | 2 | 2 | 2 | 2 | | | |
| 25 | 103-5866 | Asm, Weight Plate W/Decals | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | |
| 26 | 9335124 | Hairpin, Cotter | 2 | 2 | | | | 2 | 2 | 2 | 2 | | | |
| 27✧ | 103-5865 | Template, Drill | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1** | 1** | 1** |
| 28 | 109-2977-01 | Deflector | | | 1 | 1 | 1 | | | | | 1 | 1 | 1 |

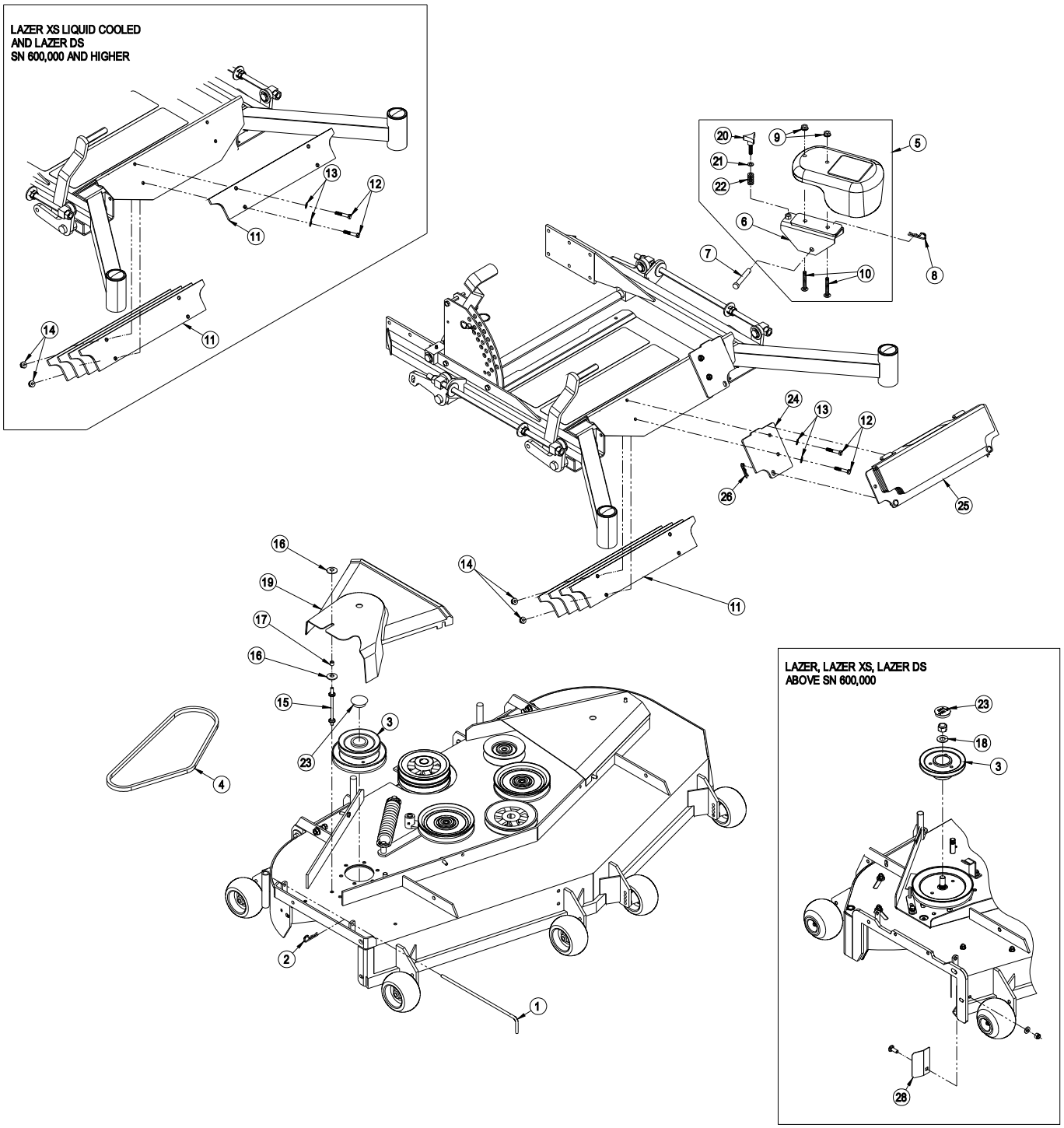
● Includes items 6, 9, 10, 19, 20, 21 weight and decal

** Liquid cooled units only

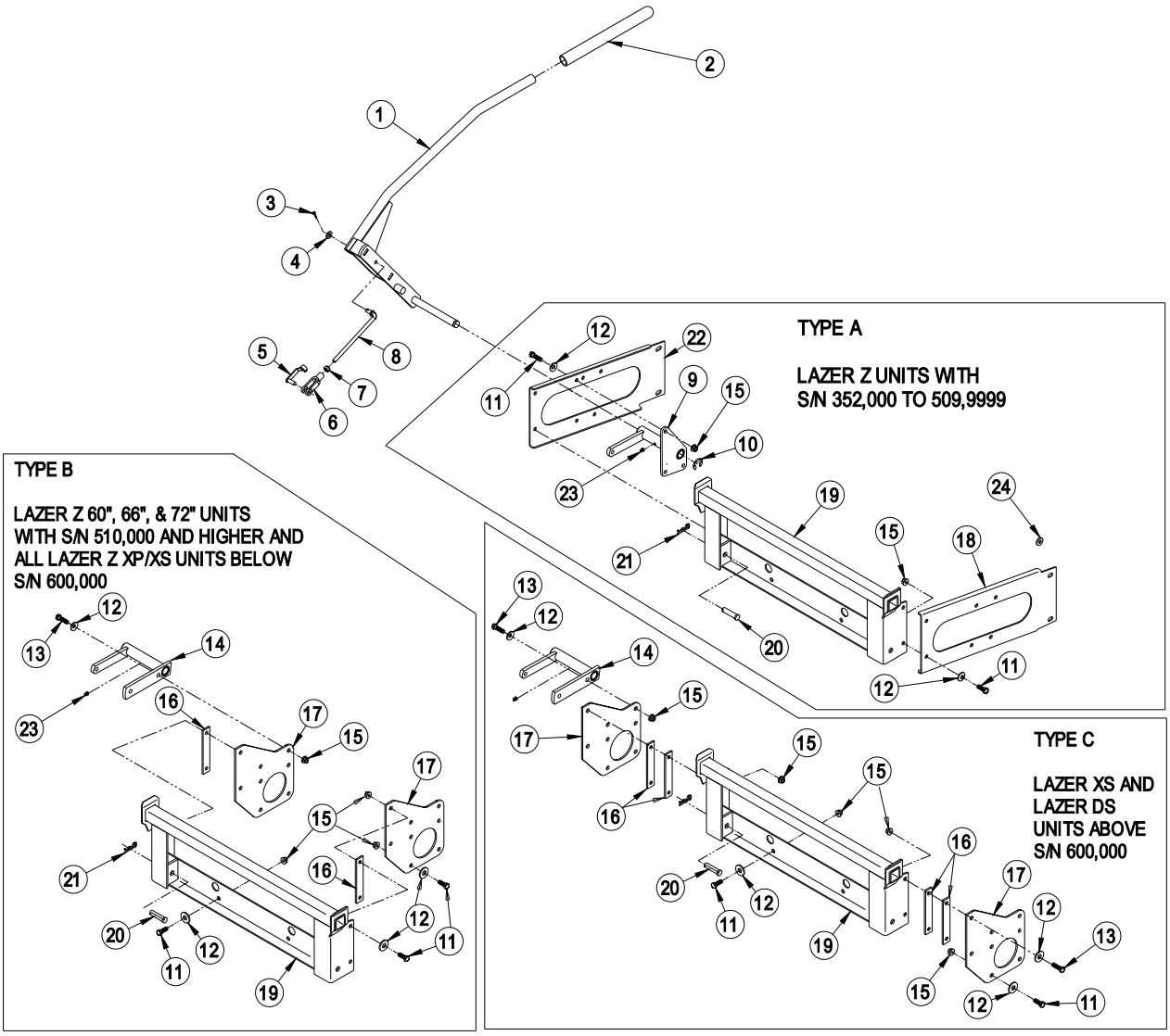
✧ Item not shown. Use to drill holes for floorpan weights

+ Liquid cooled units need 5 plates

# WEIGHT AND BELT DRIVE COMPONENTS



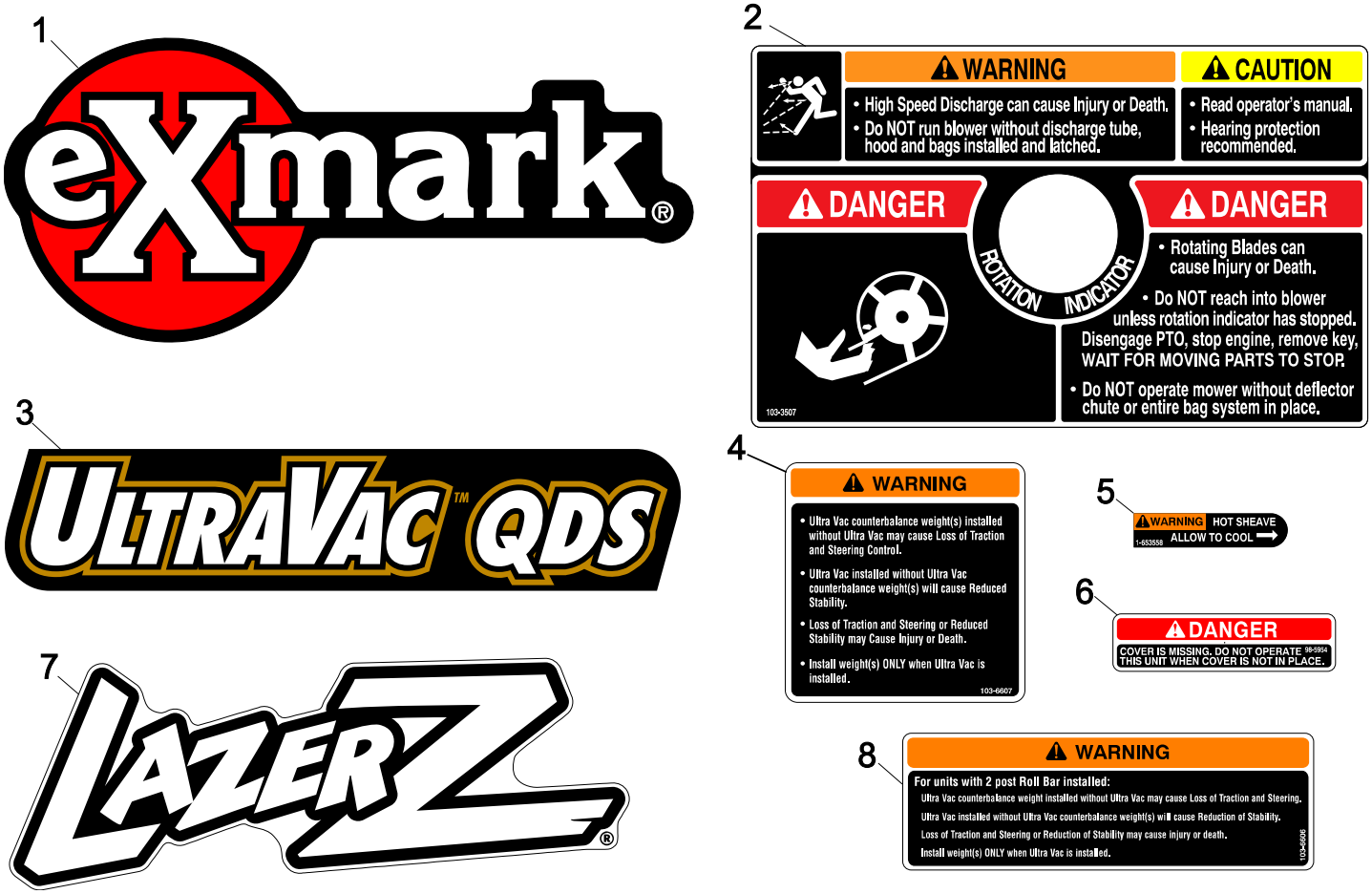
# HITCH and HANDLE ASSEMBLY




| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 1 | 103-4745 | Asm, Handle W/Grip | 1 |
| 2 | 103-3005 | Grip, Handle | 1 |
| 3 | 3272-10 | Pin, Cotter .125 x .75 | 1 |
| 4 | 3256-24 | Washer, Flat .406 x .813 | 1 |
| 5 | 103-2399 | Pin, Spring Clevis 3/8 | 1 |
| 6 | 1-633131 | Yoke, Linkage Brake | 1 |
| 7 | 3219-3 | Nut, HH 3/8-24 | 1 |
| 8 | 103-2413 | Link, Handle | 1 |
| 9 | 103-5615-03 | Wld, Handle Mount (Type A) | 1 |
| 10 | 32151-48 | E-Ring | 1 |
| 11 | 323-6 | Screw, HH 3/8-16x1 (Type A) | 11 |
| | 323-6 | Screw, HH 3/8-16x1 (Type B) | 14 |
| | 323-6 | Screw, HH 3/8-16x1 (Type C) | 10 |
| 12 | 98-5975 | Washer, Spring Disc (Type A) | 11 |
| | 98-5975 | Washer, Spring Disc (Type B & C) | 16 |

| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 13 | 323-7 | Screw, HH 3/8-16x1.25 (Type B) | 2 |
| | 323-7 | Screw, HH 3/8-16x1.25 (Type C) | 6 |
| 14 | 103-2980-03 | Wld, Handle Mount (Type B & C) | 1 |
| 15 | 3290-357 | Nut, Whizlock 3/16-16 (Type A) | 11 |
| | 3290-357 | Nut, Whizlock 3/16-16 (Type B & C) | 16 |
| 16 | 103-1155-03 | Spacer (Type B) | 2 |
| | 103-1155-03 | Spacer (Type C) | 4 |
| 17 | 103-2975-03 | Plate, Bagger Mount (Type B &C) | 2 |
| 18 | 103-0399-03 | Bracket, Frame RH (Type A) | 1 |
| 19 | 103-0429-03 | Wld, Bagger Mount | 1 |
| 20 | 283-69 | Pin, Clevis | 2 |
| 21 | 1-806005 | Pin, Hair | 2 |
| 22 | 103-5612-03 | Bracket, Frame LH (Type A) | 1 |
| 23 | 302-19 | Zerk, 1/4-28 Straight | 1 |
| 24 | 71-9310 | Spacer (Type A) | 6 |

# DECALS




| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 1 | 103-0438 | Decal, Exmark | 1 |
| 2 | 103-3507 | Decal, Warning | 1 |
| 3 | 103-3302 | Decal, Ultra Vac QDS | 1 |
| 4 | 103-6607 | Decal, Weight | 3 |

| Item | Part No. | Description | Qty. |
|---|---|---|---|
| 5 | 1-653558 | Decal, Hot Sheave | 1 |
| 6 | 98-5954 | Decal, Missing Cover | 1 |
| 7 | 103-3113 | Decal, Lazer | 1 |
| 8 | 103-6606 | Decal, Weight | 1 |

## SEE EXMARK'S COMPLETE LINE OF ACCESSORIES AND OPTIONS

### MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM
FULL SUSPENSION SEAT
DECK LIFT ASSIST KIT
HITCH KIT
LIGHT KIT
12V POWER PORT
MICRO-MULCH SYSTEM
OPERATOR CONTROLLED DISCHARGE
ROLL OVER PROTECTION SYSTEM (ROPS)
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

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

Model No. _____

Serial No. _____

Date Purchased _____

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**Part No. 4501-077 Rev. A**
**Printed In USA.**

**www.exmark.com**