

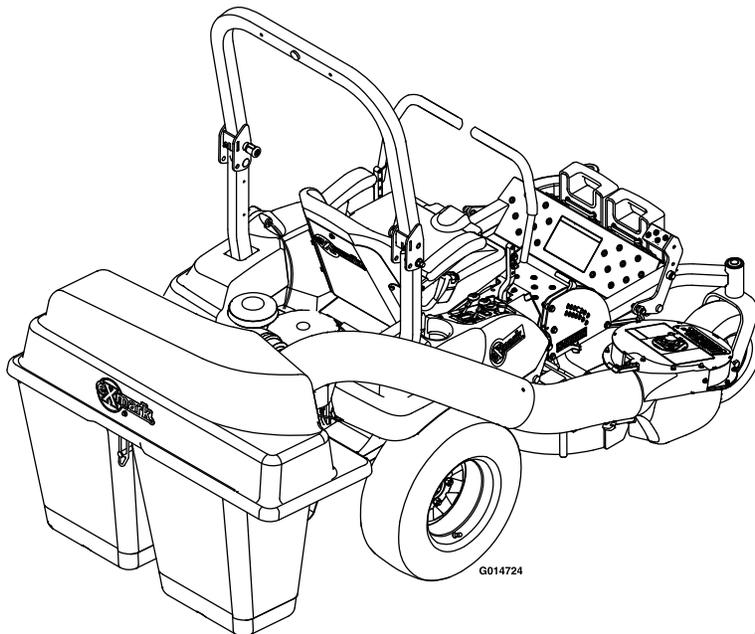


# **ULTRA VAC<sup>®</sup>**

## **E-SERIES**

Model No. 116-3001—Serial No. 312000000 and Up

Picture below may not reflect actual product.



# **Parts Manual**

# 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

<b>AR:</b> as required	<b>HJ:</b> hex jam	<b>PTH:</b> phillips truss head
<b>ASM:</b> assembly	<b>HLH:</b> hex lag head	<b>PTO:</b> power-take-off
<b>BBC:</b> blade brake control	<b>HOC:</b> height-of-cut	<b>RH:</b> right hand
<b>BHTF:</b> button head thread forming	<b>HSBH:</b> hex socket button head	<b>ROPS:</b> roll-over protection system
<b>CARR:</b> carriage	<b>HSFH:</b> hex socket flat head	<b>RRB:</b> rear roller brush
<b>CCW:</b> counter clockwise	<b>HSH:</b> hex socket head	<b>SFH:</b> slotted fillister head
<b>CW:</b> clockwise	<b>HWH:</b> hex washer head	<b>SHH:</b> slotted hex head
<b>DEG:</b> degrees	<b>HWHTF:</b> hex washer head thread forming	<b>SHWH:</b> slotted hex washer head
<b>DPA:</b> Dual Point Adjustment	<b>HYD:</b> hydraulic	<b>SPH:</b> slotted pan head
<b>ECM:</b> electronic control module	<b>LH:</b> left hand	<b>SQH:</b> square head
<b>EXT:</b> external	<b>LPG:</b> Liquid Propane Gas	<b>SRH:</b> slotted round head
<b>FH:</b> flat head	<b>NI:</b> nylon insert	<b>STD:</b> standard
<b>GA:</b> gauge	<b>NPTF:</b> national pipe thread fine	<b>TAP:</b> self tapping
<b>HD:</b> heavy-duty	<b>PFH:</b> phillips flat head	<b>TTH:</b> torx truss head
<b>HF:</b> hex flange	<b>PPH:</b> phillips pan head	
<b>HH:</b> hex head	<b>PPHTF:</b> phillips pan head thread forming	
<b>HHF:</b> hex head flange	<b>PRH:</b> phillips round head	
<b>HHFTF:</b> hex head flange thread forming		

# Touch Up Paint

Exmark black touch up spray paint – gloss black.

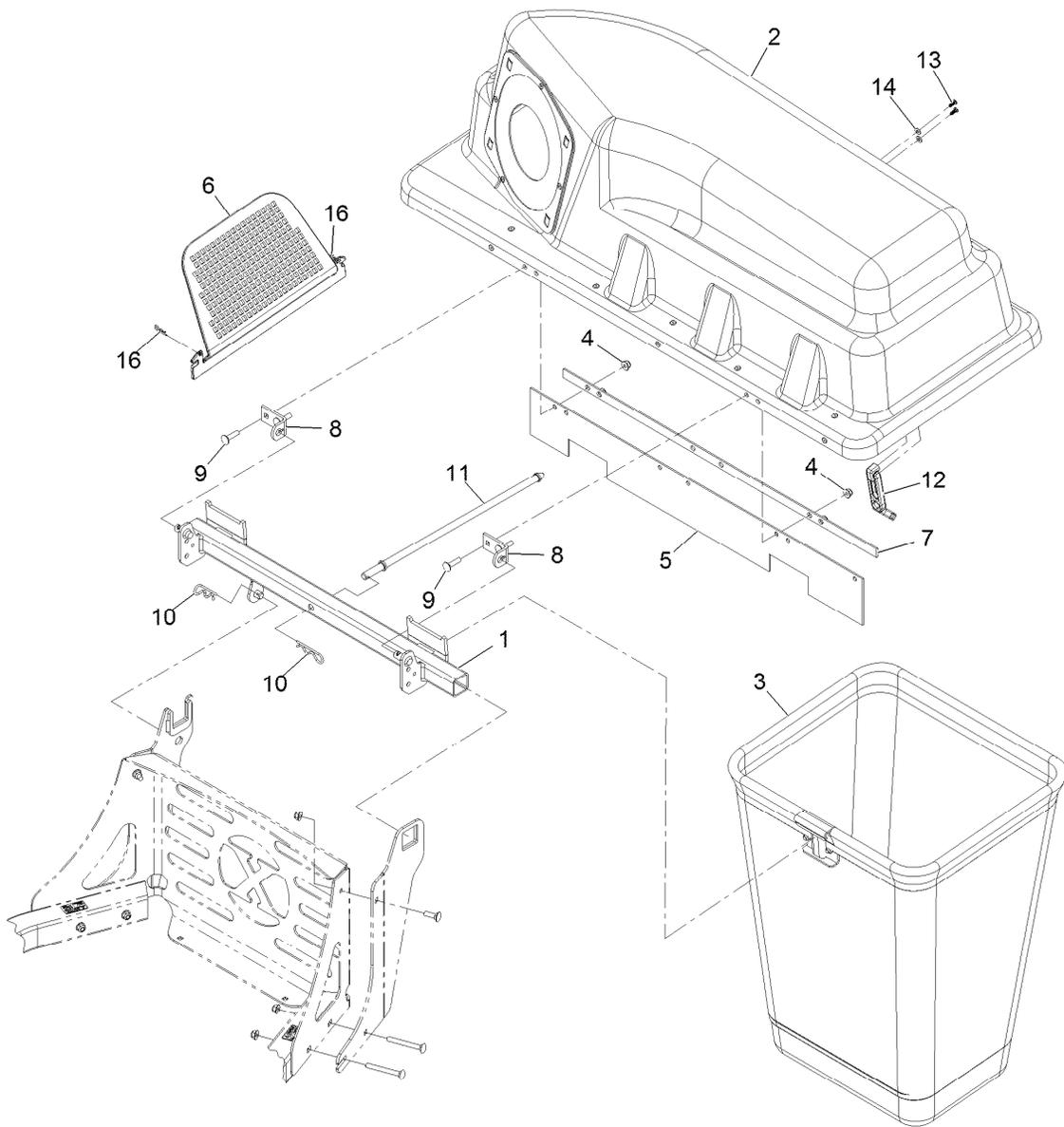
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

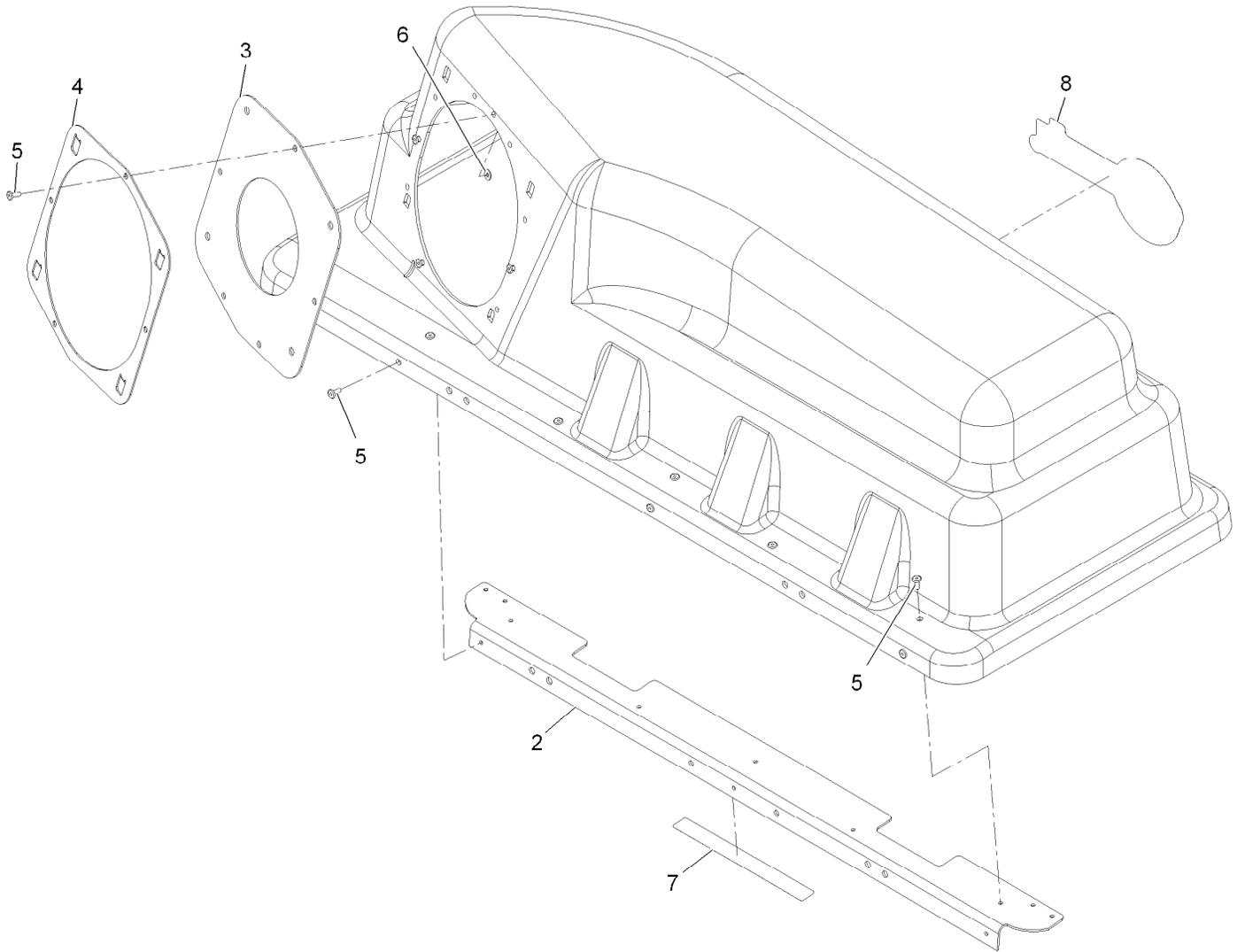
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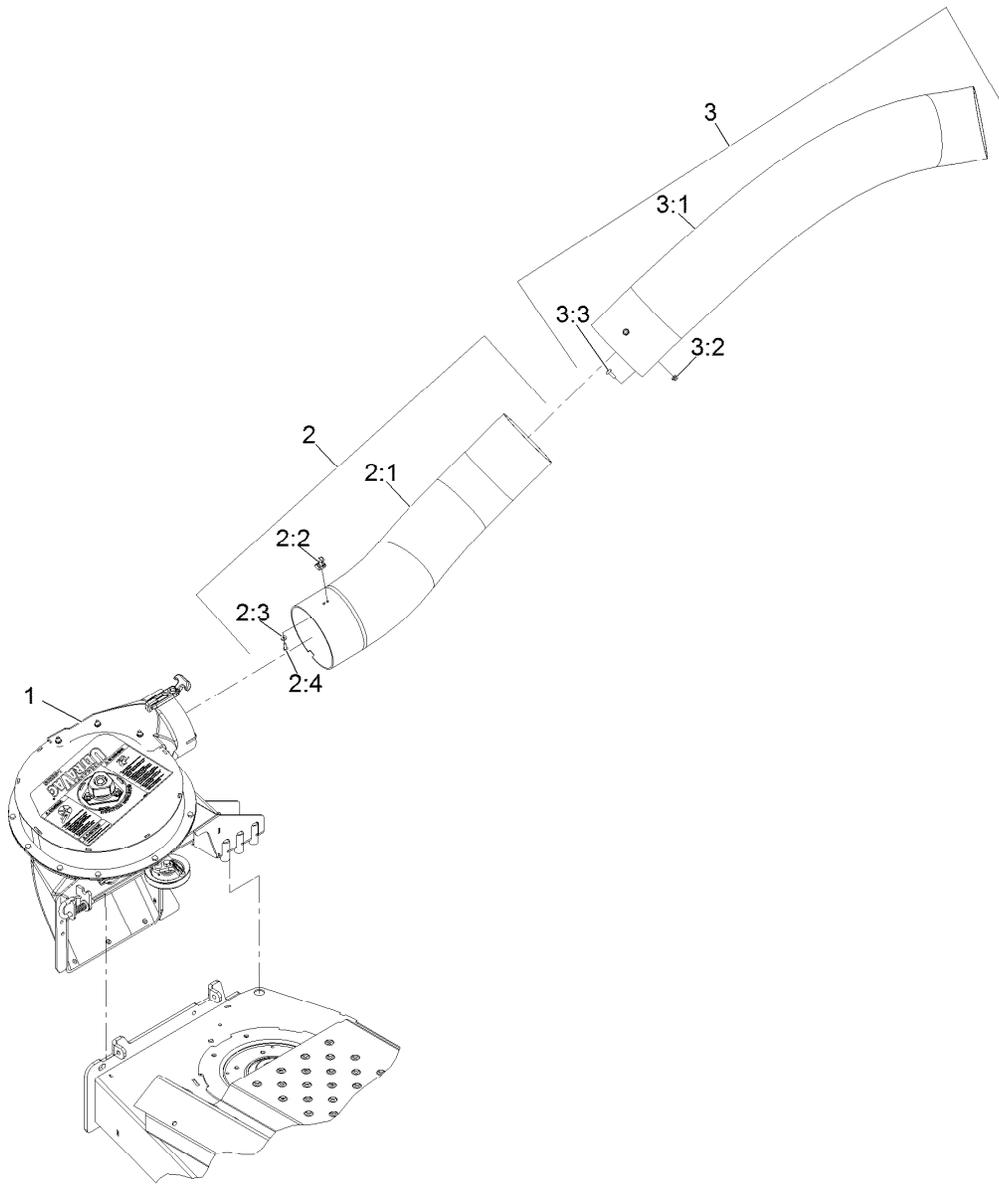
## Bagger Top and Mounting Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-4783-03	1	Frame ASM-Pivot
2	116-4537	1	Bagger Hood ASM
3	116-0754	2	Bag And Frame ASM
4	104-8300	4	Nut-Nyloc 5/16-18 Flg
5	116-4126	1	Seal
6	112-3993	1	Screen-Bagger
7	116-4127-03	1	Plate-Backing
8	112-3987	2	Bracket-Pivot, Hopper
9	3230-3	4	Bolt-Carriage 5/16-18 X 1 1/4
10	3290-355	2	Pin-Hair
11	116-6491	1	Rod-Hood Hold Down
12	116-4992	1	Latch-Rubber
13	107-7461	2	Screw-Plastite
14	3256-77	2	Washer-Flat
16	3290-307	2	Pin-Hair



## Hood Assembly No. 116-4537

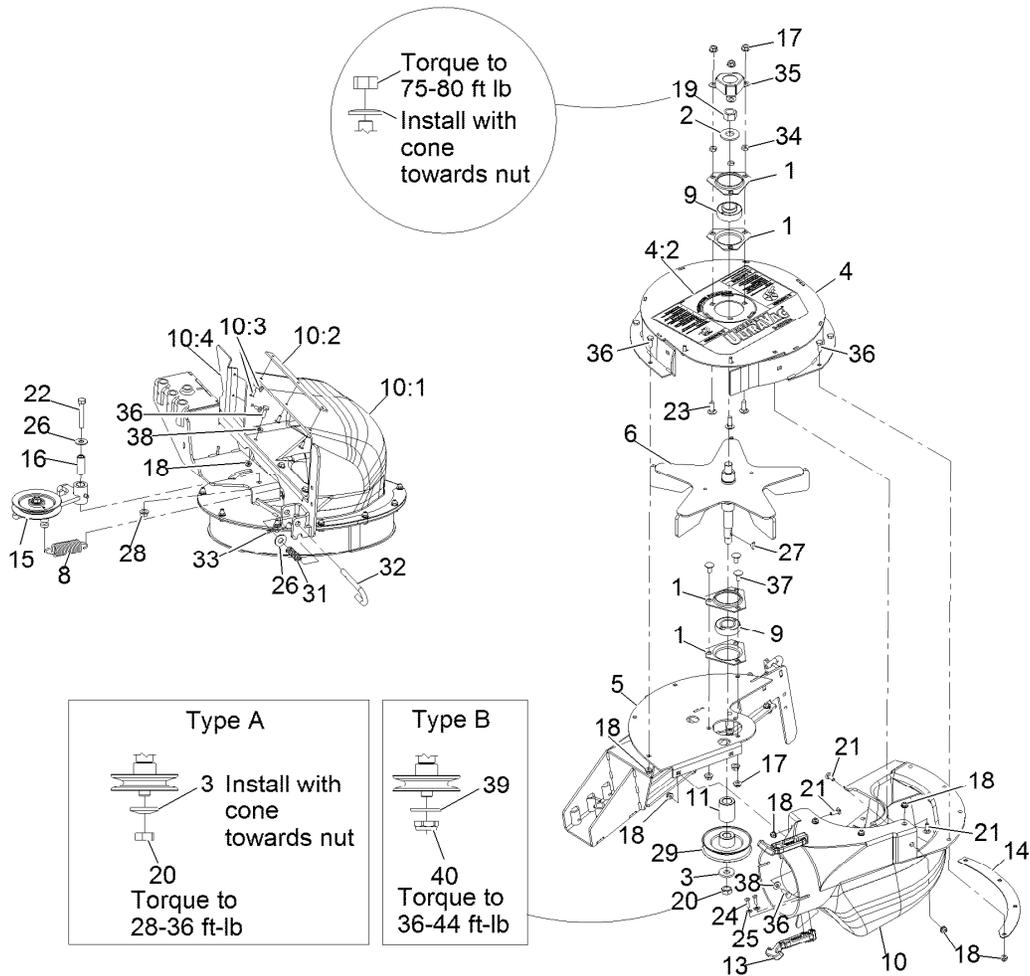
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	116-5071-03	1	Stiffener-Bagger Top
3	116-4478	1	Gasket
4	112-4000-03	1	Ring-Retainer
5	114439	12	Rivet
6	9202704	4	Washer
7	109-6809	1	Decal-Caution Bagger
8	1-653546	1	Decal, Exmark Logo



## Blower and Tubes Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-6495	1	ASM-Blower Uv E Service
2	116-4128	1	Lower Tube ASM
2:1	116-4495	1	Tube-Lower Uv
2:2	103-4081	2	Latch-Keeper ●
2:3	3256-14	2	Washer-#10 Std
2:4	3290-500	2	Screw-PPH #10-24 X 5/8
3	116-4825	1	ASM-Upper Tube Uve
3:1	116-4496	1	Tube-Upper Uv
3:2	104-7201	3	Nut-Nyloc 1/4-20 Flg
3:3	1-803076	3	Screw-PPH 1/4-20 X 3/4

● Kit No. 103-4188 - Contains catch, rubber latch, and mounting hardware



## Blower Assembly

Ref.	Part Number	Qty.	Description
1	1-513013	4	Housing-Flange
2	1-513208	1	Washer-Spring Disc 5/8
3	1-513435	1	Washer-Spring Disc 1/2
4	116-4446	1	Upper Housing W/Decal
4:2	116-4935	1	Decal-Blower Warning
5	116-6484-03	1	Blower Frame ASM [black]
6	103-3815	1	Impeller
8	1-653331	1	Spring
9	1-653346	2	Bearing ♦
10	116-6487	1	ASM-Small Blower Chute
10:1	116-4991	1	Chute-Blower Small
10:2	103-4752-03	1	Plate,Reinforcement Small
10:3	114439	5	Rivet
10:4	116-6486-03	1	Plate-Filler
11	1-653365	1	Spacer
13	103-4080	2	Latch-Rubber ▲
14	116-4434-03	1	Plate-Backing, Blower
15		1	ASM, Idler ●
16	1-603044	1	Bushing
17	32128-20	6	Nut-Whizlock 5/16-18
18	104-7201	18	Nut-Nyloc 1/4-20 Flg

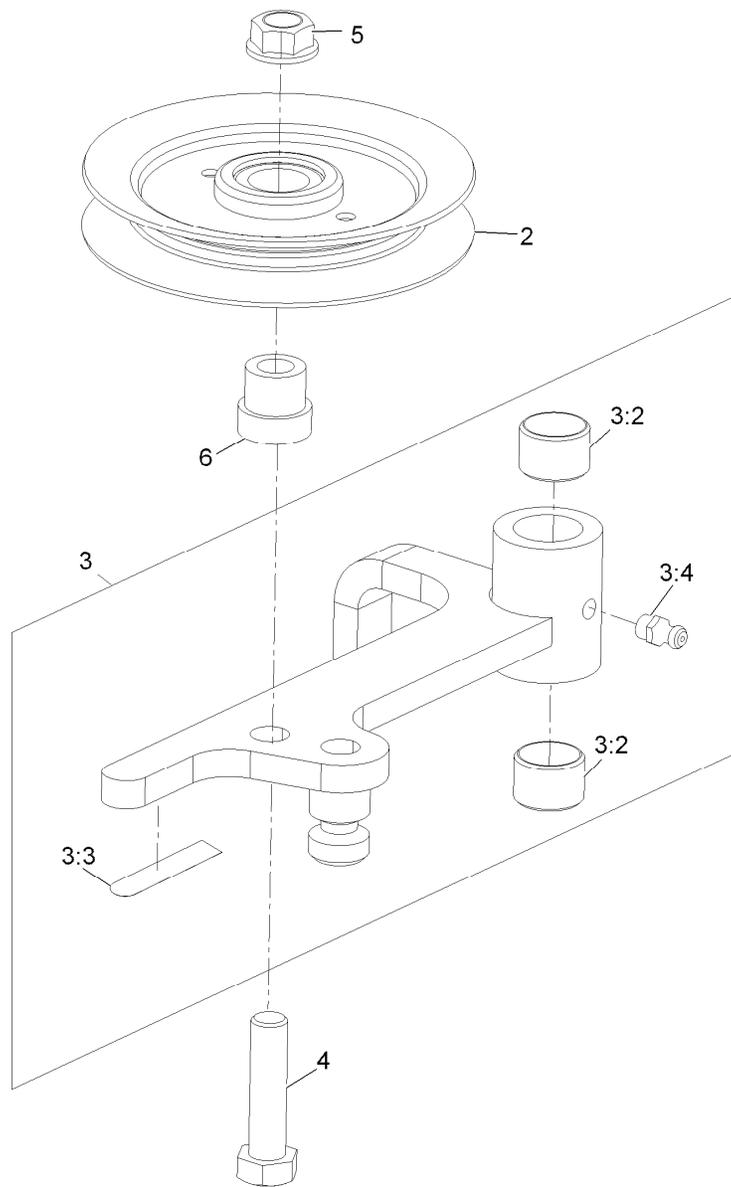
Ref.	Part Number	Qty.	Description
19	3219-6	1	Nut-Hex 5/8-18
20	3220-5	1	Nut-Jam 1/2-20 ■
21	3229-1	5	Bolt-Carriage 1/4-20 X 3/4
22	323-11	1	Screw-HH 3/8-16 X 2 1/4
23	3230-10	3	Bolt-Carriage 5/16-18 X 7/8
24	3290-500	4	Screw-PPH #10-24 X 5/8
25	3256-14	4	Washer-#10 Std
26	3256-4	2	Washer-3/8 Std
27	3257-32	1	Key-Woodruff 3/16 X 5/8
28	3290-357	1	Nut-Whizlock 3/8-16
29	103-1047	1	Sheave-Blower ♦
31	109-7694	1	Spring-Compression
32	116-4356	1	Pin-Latch
33	3290-307	1	Pin-Hair
34	3218-2	3	Nut-Jam 5/16-18
35	116-4776	1	Cover-Nut
36	321-4	13	Screw-HH 1/4-20 X 3/4
37	3230-18	3	Bolt-Carriage 5/16-18 X 5/8
38	3256-22	5	Washer-1/4 Sae
39	3256-26	1	Washer-1/2 Sae
40	3296-28	1	Nut-Lock, NI

● Not serviced separately

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

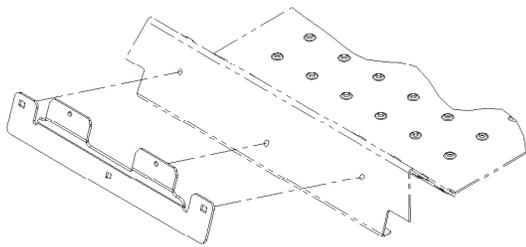
▲ Kit No. 103-4188 - Contains catch, rubber latch, and mounting hardware

♦ Apply Mobil HTS grease (P/N 103-5217 1.5 oz packet) (or a food-grade anti-seize). See operator s manual for locations.

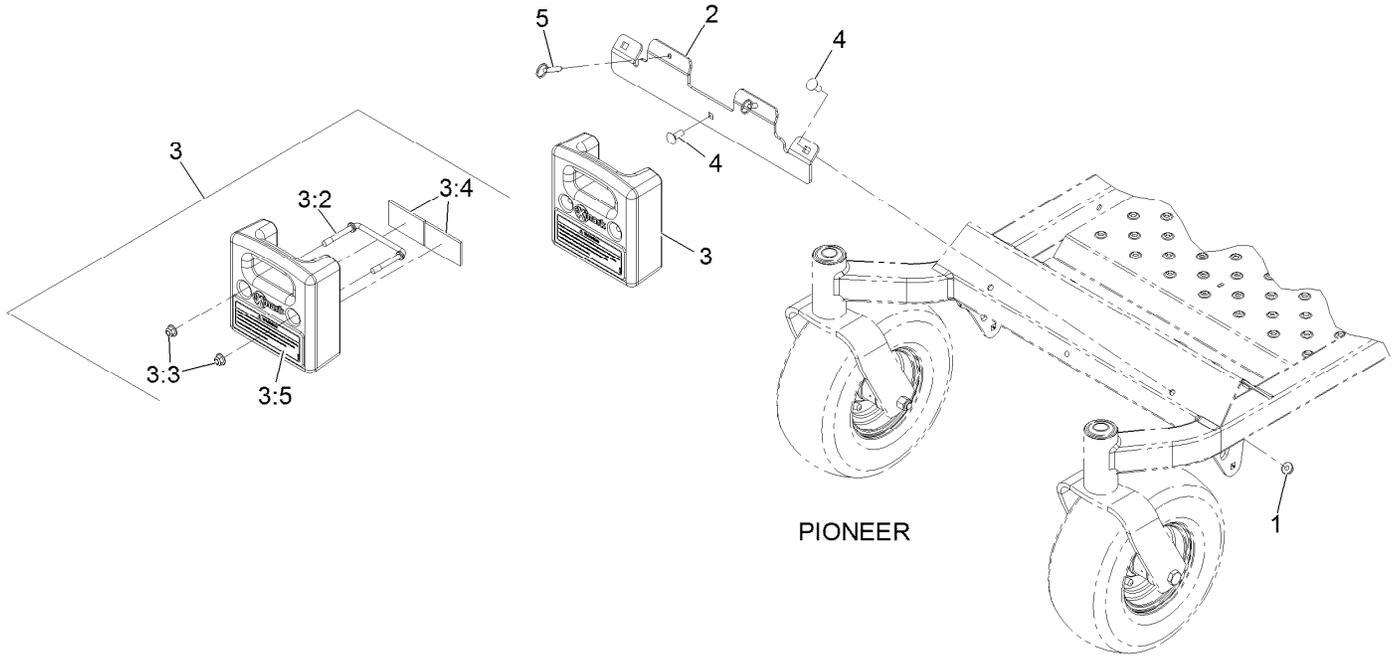


## Idler Assembly

<b>Ref.</b>	<b>Part Number</b>	<b>Qty.</b>	<b>Description</b>
2	103-0483	1	Idler
3	103-0448	1	ASM, Idler Arm - Service Only
3:2	1-653600	2	Bearing
3:3	1-653558	1	Decal-Hot Sheave
3:4	302-19	1	Zerk-1/4-28 Str
4	323-8	1	Screw-HH 3/8-16 X 1 1/2
5	3290-357	1	Nut-Whizlock 3/8-16
6	1-653367	1	Hub,Spacer



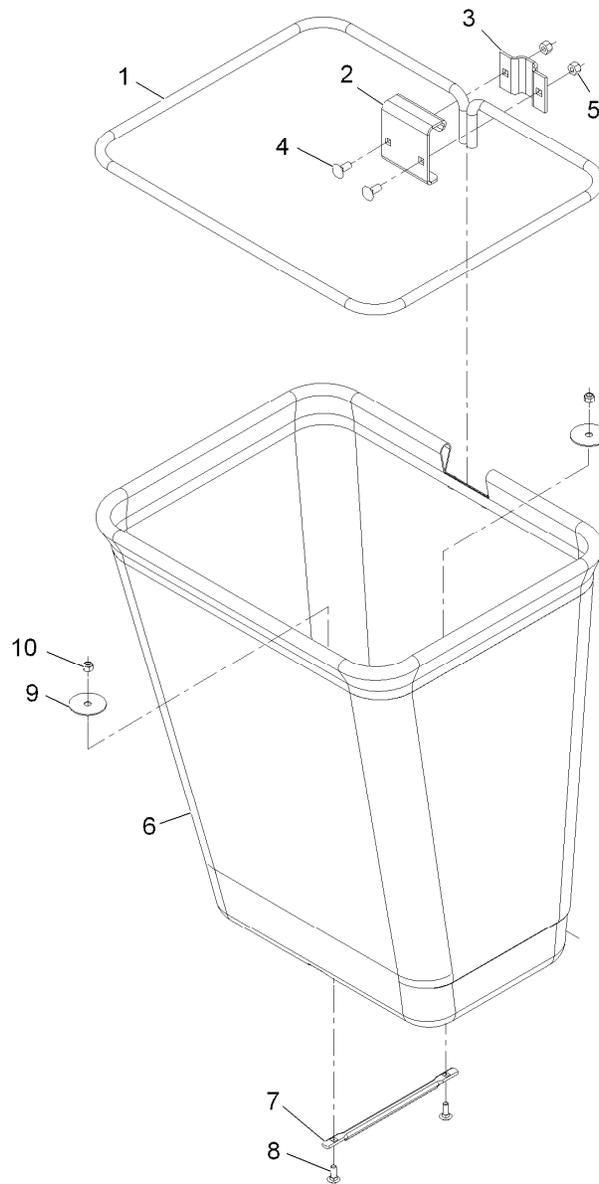
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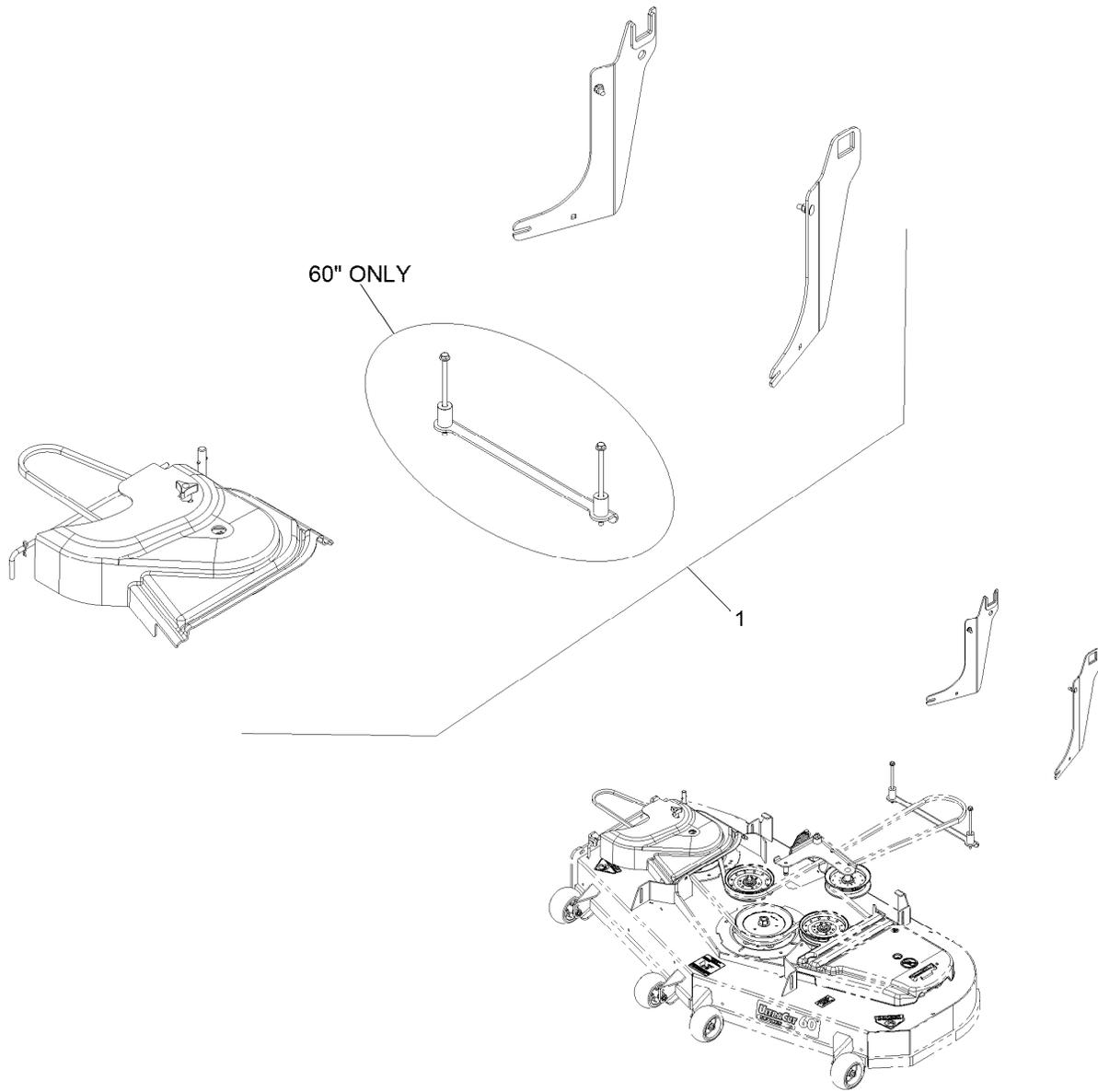
## Weight Assembly

Ref.	Part Number	Qty.	Description
1	104-8301	3	Nut-Nyloc 3/8-16 Flg
2	116-4129-01	1	Bracket-Weight Mount
3	116-4472	2	Weight ASM
3:2	116-4471	1	Wireform-Weight
3:3	104-8301	2	Nut-Nyloc 3/8-16 Flg
3:4	100-6547	2	Cushion-Rubber
3:5	103-6605	1	Decal,Weight
4	3231-2	3	Bolt-Carriage 3/8-16 X 1
5	115-1556	2	Pin-Ball, Detent



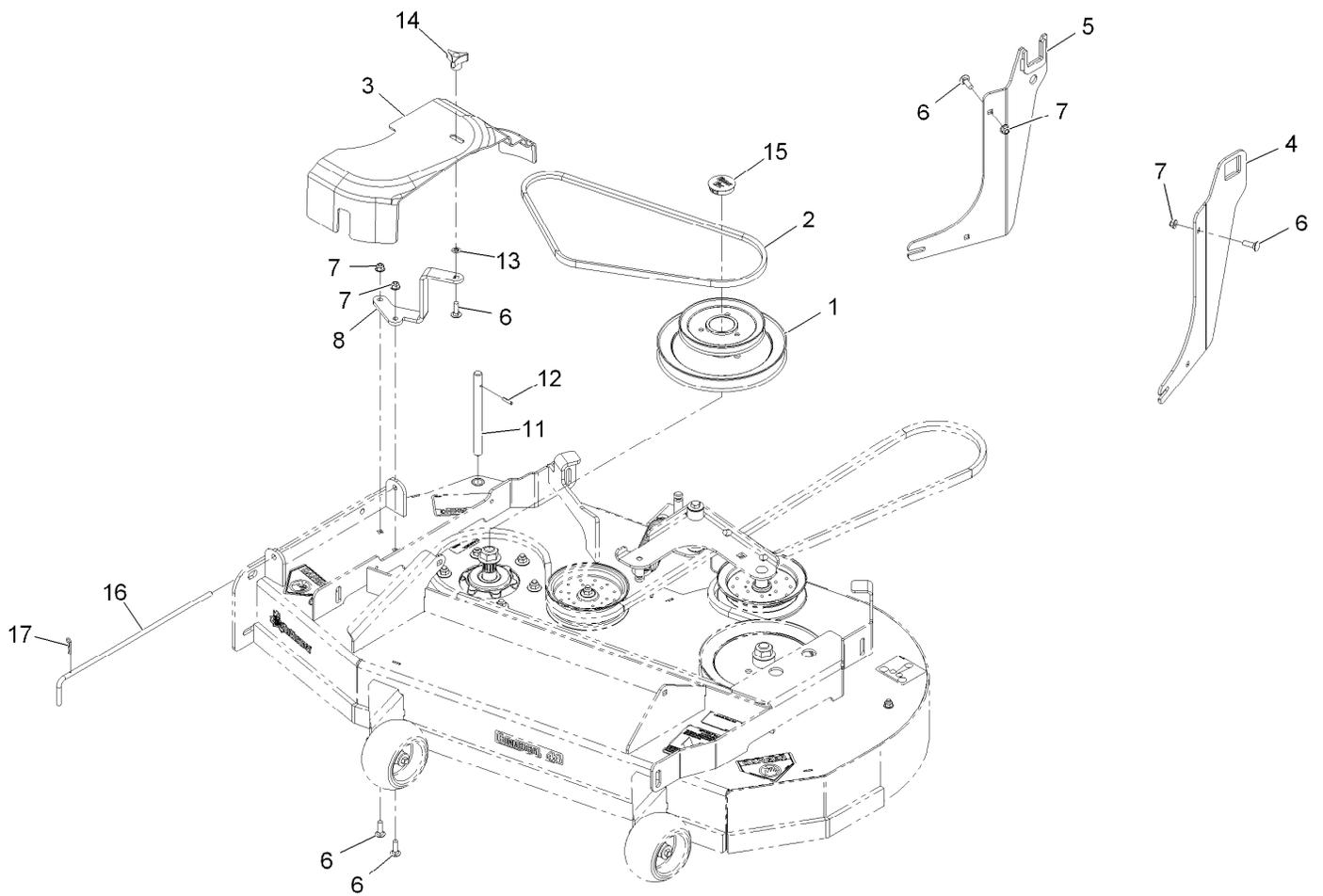
## Bag Assembly No. 116-0754

Ref.	Part Number	Qty.	Description
1	1-653529-03	1	Frame-Bag
2	114973-03	1	Hanger-Bag
3	114974-03	1	Clamp
4	3230-1	2	Bolt-Carriage 5/16-18 X 3/4
5	3296-29	2	Nut-Nyloc 5/16-18
6	116-0757	1	Bag ASM
7	1-653566	1	Handle-Bag
8	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
9	1-653036	2	Washer
10	3296-42	2	Nut-Nyloc 1/4-20



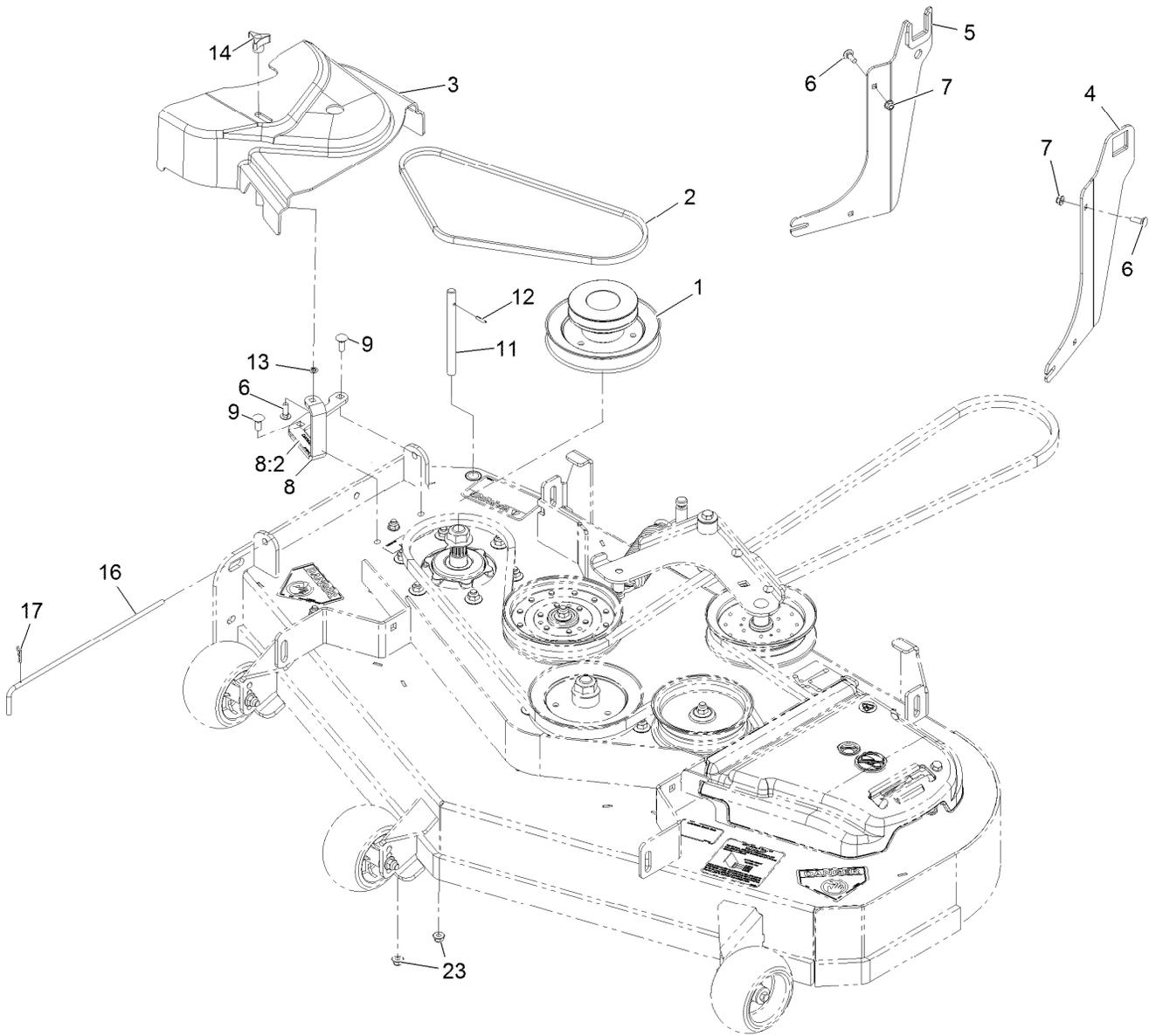
## Completing Kits

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-4880	1	Kit-Completing Qsp 44 Uve
1	116-4882	1	Kit-Completing Qsp 48 Uve
1	116-4884	1	Kit-Completing Qsp 52 Uve
1	116-4885	1	Kit-Completing Pi 44 Uve
1	116-4887	1	Kit-Completing Pi 48 Uve
1	116-4889	1	Kit-Completing Pi 52 Uve
1	116-6498	1	Kit-Completing Pn60 Uve



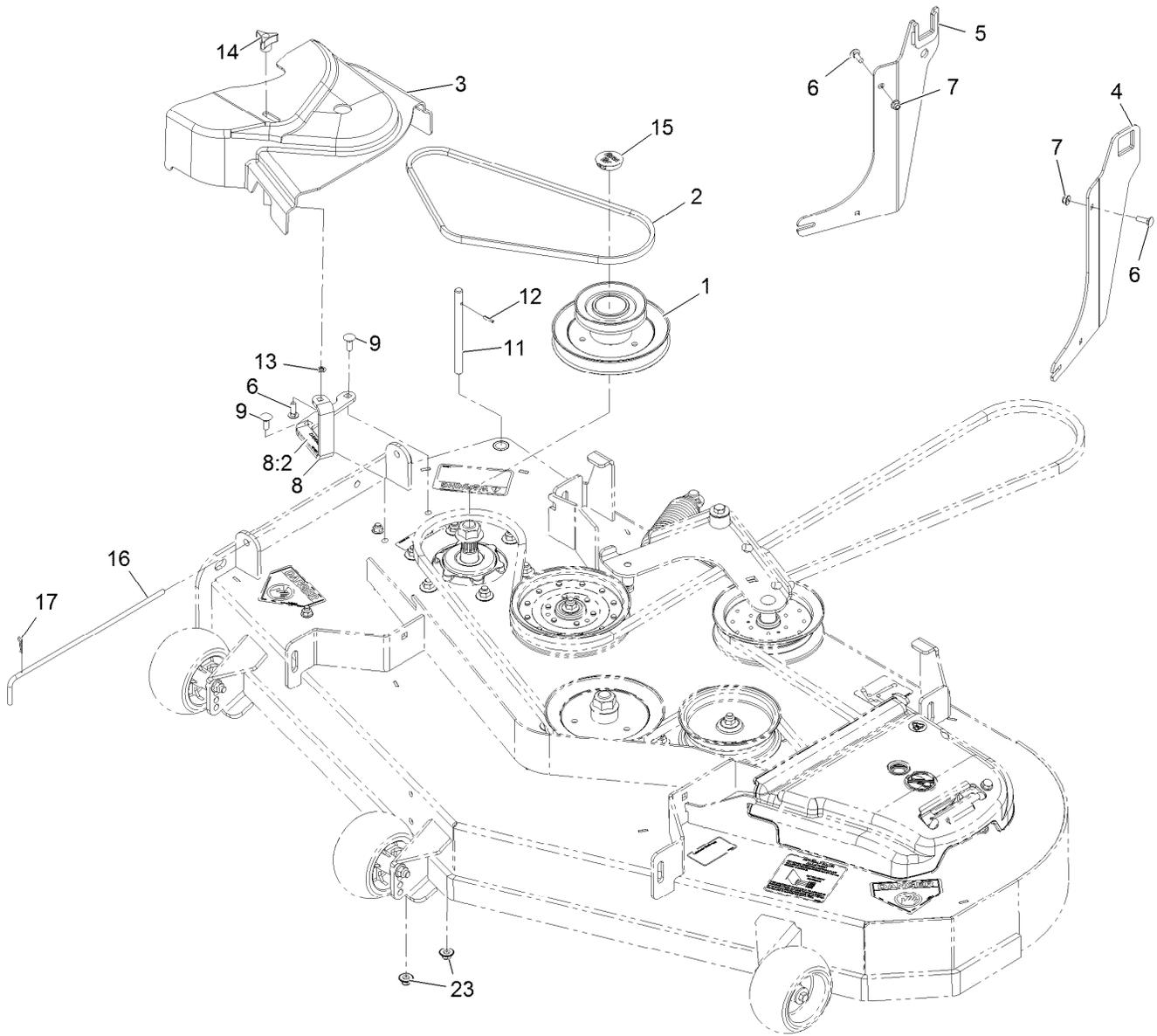
## Completing Kit No. 116-4880

Ref.	Part Number	Qty.	Description
1	116-2829	1	Jackshaft,44 Uv
2	103-0867	1	Belt, Blower Drive 72
3	116-4683	1	Cover-Belt, Uv 44
4	116-4862-03	1	Bracket ASM, LH
5	116-4863-03	1	Bracket ASM, RH
6	3230-2	5	Bolt-Carriage 5/16-18 X 1
7	104-8300	4	Nut-Nyloc 5/16-18 Fig
8	116-4686-01	1	Bracket-Belt Cover 44
11	1-353050	1	Shaft-Catcher, Grass
12	1-806323	1	Rollpin 3/16 X 7/8
13	109-5667	1	Ring-Bolt Retaining
14	1-323385	1	Knob-3 Prong
15	103-1279	1	Plug, Black Nylon 1.75
16	109-3458	1	Pin,Chute Pivot
17	1-806003	1	Hairpin-Cotter



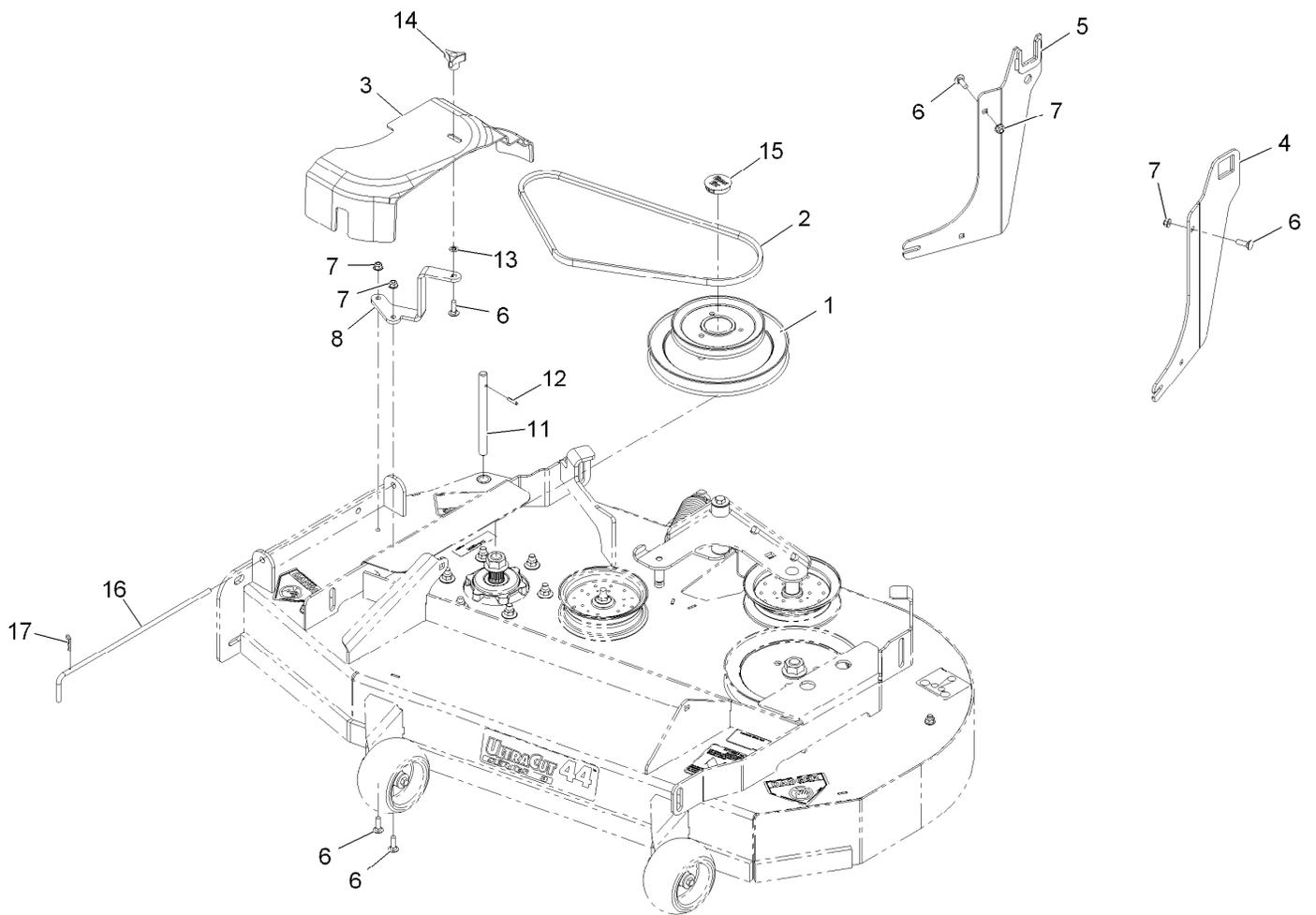
## Completing Kit No. 116-4882

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-4628	1	Jackshaft-Uv Drive 48 Splined	8:2	98-5954	1	Decal-Cover, Missing
2	116-4844	1	Belt-Uv E 48	9	3231-2	2	Bolt-Carriage 3/8-16 X 1
3	116-4684	1	Cover-Belt, Uv 48	11	1-353050	1	Shaft-Catcher, Grass
4	116-4862-03	1	Bracket ASM, LH	12	1-806323	1	Rollpin 3/16 X 7/8
5	116-4863-03	1	Bracket ASM, RH	13	109-5667	1	Ring-Bolt Retaining
6	3230-2	3	Bolt-Carriage 5/16-18 X 1	14	1-323385	1	Knob-3 Prong
7	104-8300	2	Nut-Nyloc 5/16-18 Flg	16	109-3458	1	Pin,Chute Pivot
8	116-7036	1	ASM-Cvr Brkt W/Decal	17	1-806003	1	Hairpin-Cotter
				23	109-6658	2	Nut-Nyloc 3/8-16 Flg



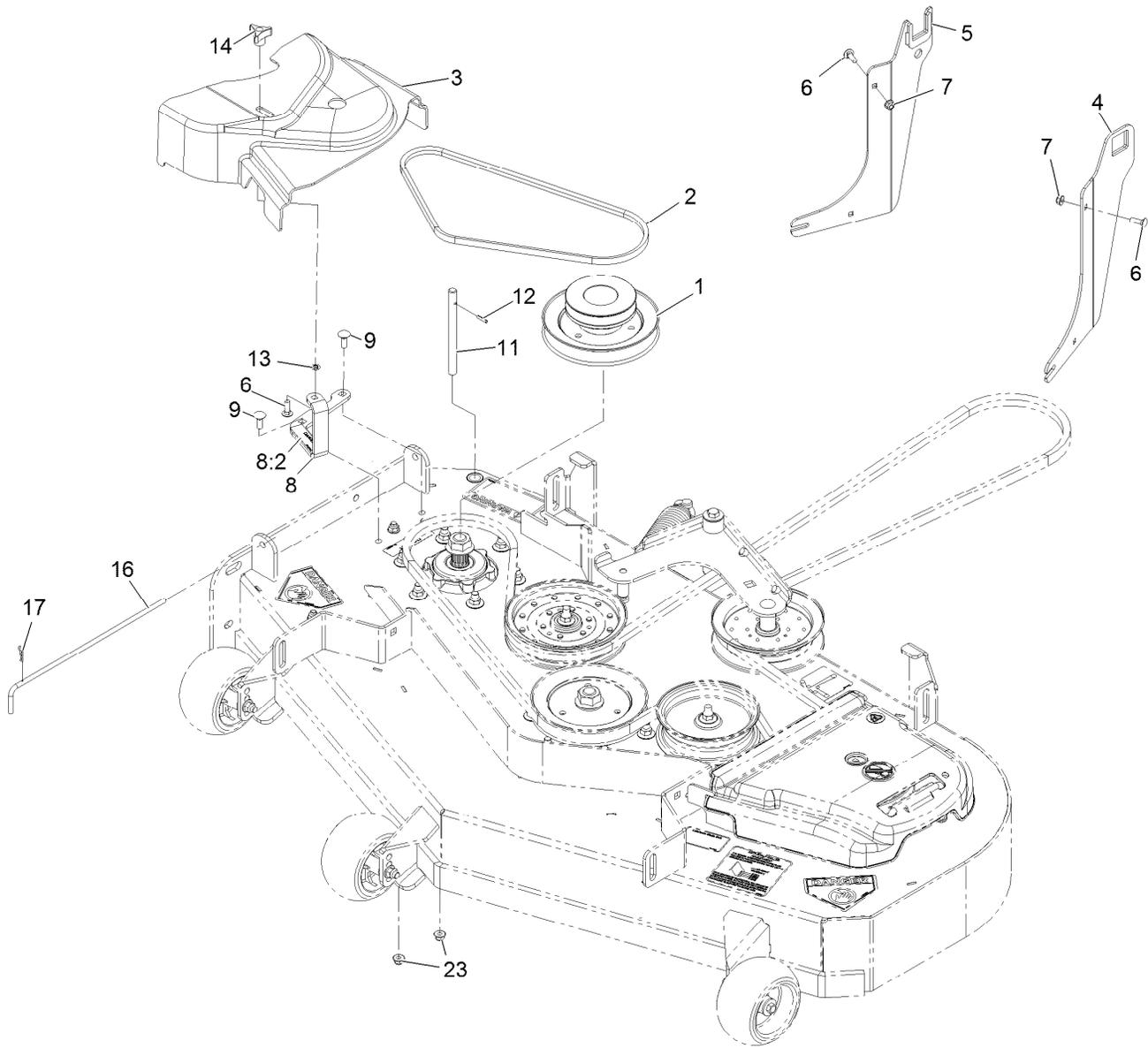
## Completing Kit No. 116-4884

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-4629	1	Jackshaft-Uv Drive 52 Splined	9	3231-2	2	Bolt-Carriage 3/8-16 X 1
2	1-653333	1	Belt, Blower 48"dk	11	1-353050	1	Shaft-Catcher, Grass
3	116-4685	1	Cover-Belt, Uv 52	12	1-806323	1	Rollpin 3/16 X 7/8
4	116-4862-03	1	Bracket ASM, LH	13	109-5667	1	Ring-Bolt Retaining
5	116-4863-03	1	Bracket ASM, RH	14	1-323385	1	Knob-3 Prong
6	3230-2	3	Bolt-Carriage 5/16-18 X 1	15	103-1279	1	Plug, Black Nylon 1.75
7	104-8300	2	Nut-Nyloc 5/16-18 Flg	16	109-3458	1	Pin,Chute Pivot
8	116-7036	1	ASM-Cvr Brkt W/Decal	17	1-806003	1	Hairpin-Cotter
8:2	98-5954	1	Decal-Cover, Missing	23	109-6658	2	Nut-Nyloc 3/8-16 Flg



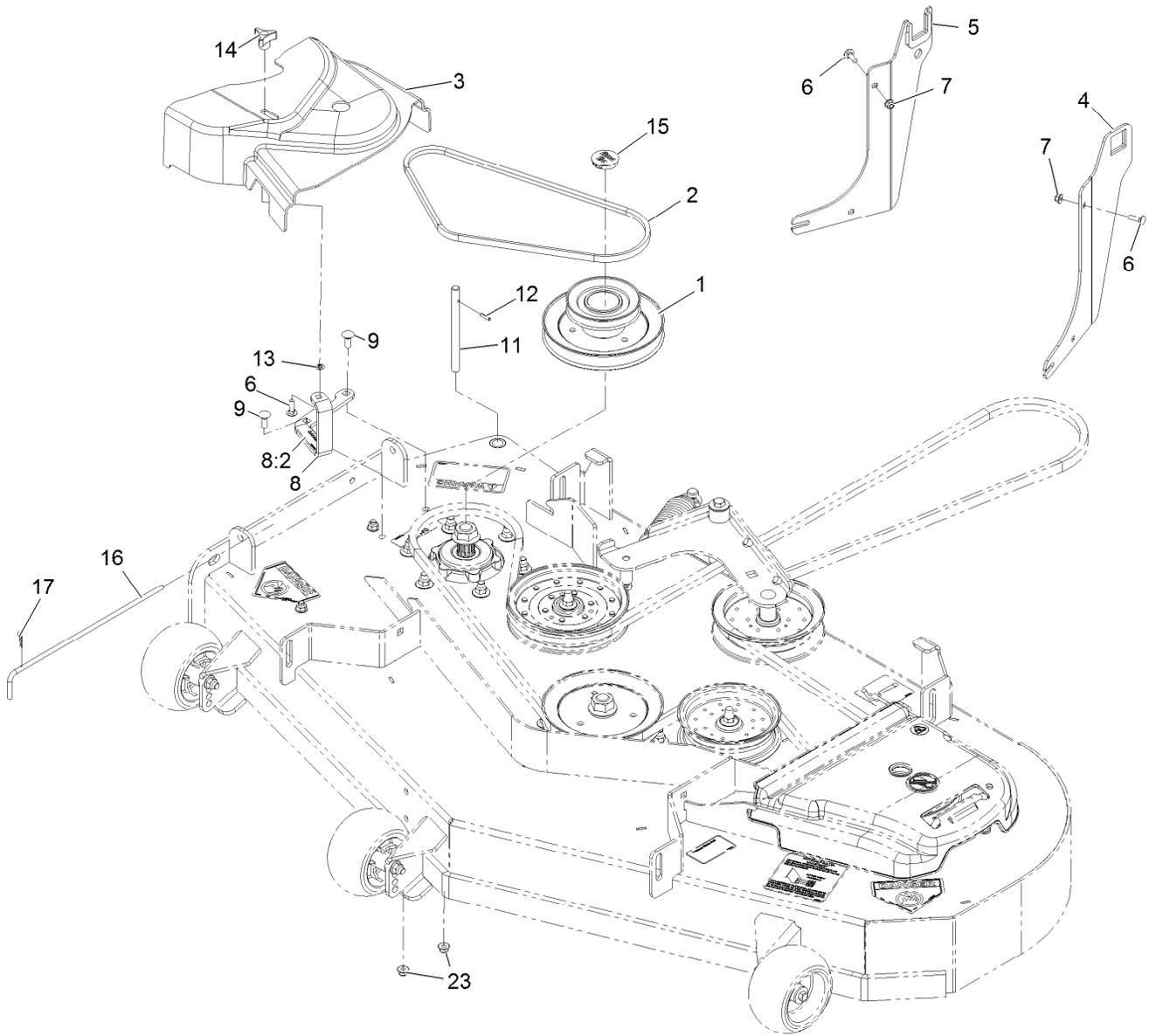
## Completing Kit No. 116-4885

Ref.	Part Number	Qty.	Description
1	116-5586	1	Jackshaft-Uv Drive, 44 Splined
2	103-0867	1	Belt, Blower Drive 72
3	116-4683	1	Cover-Belt, Uv 44
4	116-4862-03	1	Bracket ASM, LH
5	116-4863-03	1	Bracket ASM, RH
6	3230-2	5	Bolt-CARR
7	104-8300	4	Nut-Flange, NI
8	116-4686-01	1	Bracket-Belt Cover 44
11	1-353050	1	Shaft-Catcher, Grass
12	1-806323	1	Pin-Roll
13	109-5667	1	Ring-Retaining, Bolt
14	1-323385	1	Knob-3 Prong
15	103-1279	1	Plug, Black Nylon 1.75
16	109-3458	1	Pin,Chute Pivot
17	1-806003	1	Pin-Cotter, Hair



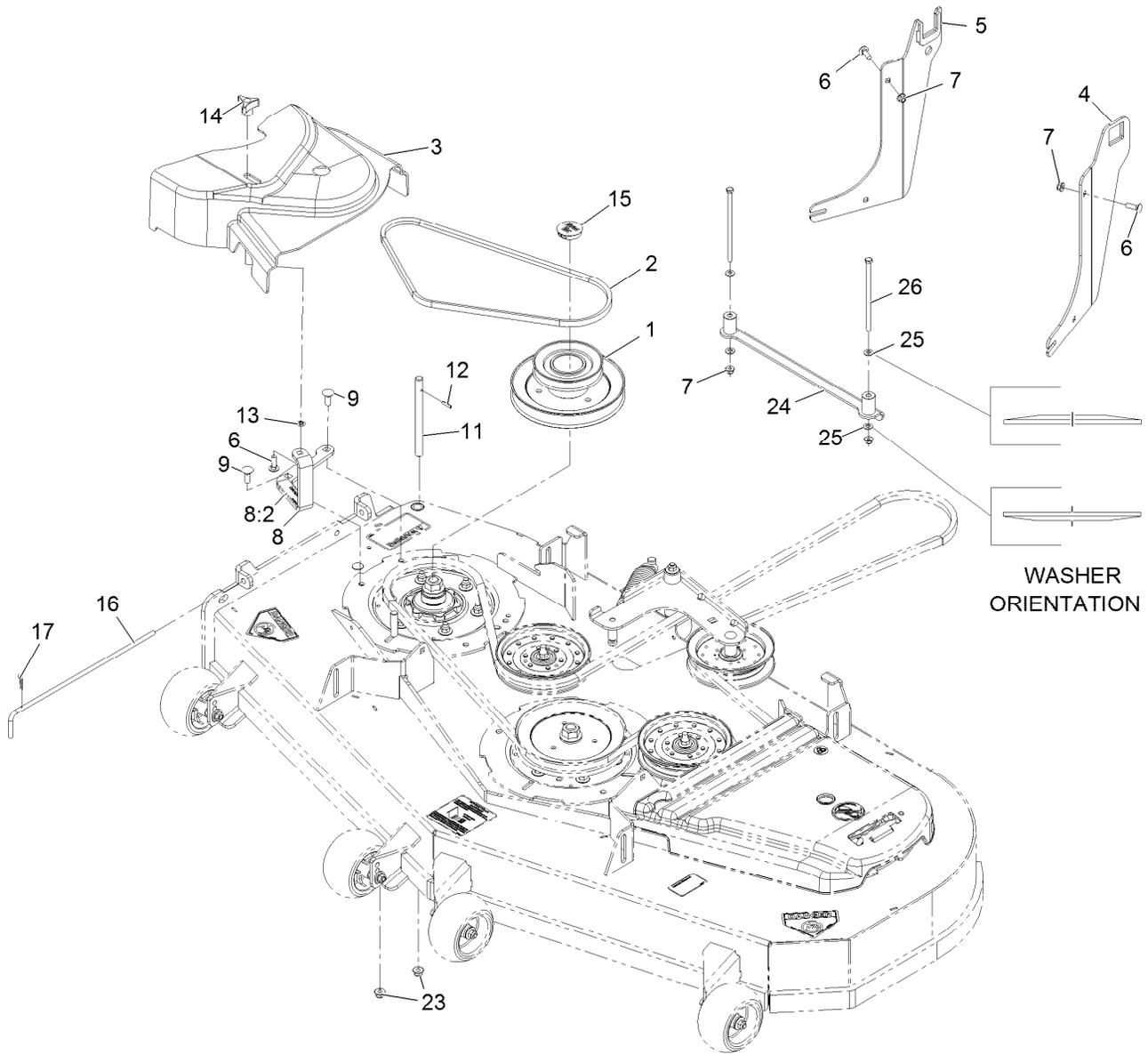
## Completing Kit No. 116-4887

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-2088	1	Jackshaft-Uv Drive, 484 Splined	8:2	98-5954	1	Decal-Cover, Missing
2	116-4844	1	Belt-Uv E 48	9	3231-2	2	Bolt-Carriage 3/8-16 X 1
3	116-4684	1	Cover-Belt, Uv 48	11	1-353050	1	Shaft-Catcher, Grass
4	116-4862-03	1	Bracket ASM, LH	12	1-806323	1	Rollpin 3/16 X 7/8
5	116-4863-03	1	Bracket ASM, RH	13	109-5667	1	Ring-Bolt Retaining
6	3230-2	3	Bolt-Carriage 5/16-18 X 1	14	1-323385	1	Knob-3 Prong
7	104-8300	2	Nut-Nyloc 5/16-18 Flg	16	109-3458	1	Pin,Chute Pivot
8	116-7036	1	ASM-Cvr Brkt W/Decal	17	1-806003	1	Hairpin-Cotter
				23	109-6658	2	Nut-Nyloc 3/8-16 Flg



## Completing Kit No. 116-4889

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-2089	1	Jackshaft,Uv Drive 524 Splined	9	3231-2	2	Bolt-Carriage 3/8-16 X 1
2	1-653333	1	Belt, Blower 48"dk	11	1-353050	1	Shaft-Catcher, Grass
3	116-4685	1	Cover-Belt, Uv 52	12	1-806323	1	Rollpin 3/16 X 7/8
4	116-4862-03	1	Bracket ASM, LH	13	109-5667	1	Ring-Bolt Retaining
5	116-4863-03	1	Bracket ASM, RH	14	1-323385	1	Knob-3 Prong
6	3230-2	3	Bolt-Carriage 5/16-18 X 1	15	103-1279	1	Plug, Black Nylon 1.75
7	104-8300	2	Nut-Nyloc 5/16-18 Flg	16	109-3458	1	Pin,Chute Pivot
8	116-7036	1	ASM-Cvr Brkt W/Decal	17	1-806003	1	Hairpin-Cotter
8:2	98-5954	1	Decal-Cover, Missing	23	109-6658	2	Nut-Nyloc 3/8-16 Flg



## Completing Kit No. 116-6498

Ref.	Part Number	Qty.	Description
1	116-2090	1	Jackshaft,Uv Drive 604 Splined
2	109-9249	1	Belt,A 42.32
3	116-6490	1	Cover-Belt Uve 60
4	116-4862-03	1	Bracket ASM, LH
5	116-4863-03	1	Bracket ASM, RH
6	3230-2	3	Bolt-Carriage 5/16-18 X 1
7	104-8300	4	Nut-Nyloc 5/16-18 Flg
8	116-6976	1	ASM-Cvr Brkt W/Decal
8:2	98-5954	1	Decal-Cover, Missing
9	3231-25	2	Bolt-Carriage 3/8-16 X 1 1/4

Ref.	Part Number	Qty.	Description
11	1-353050	1	Shaft-Catcher, Grass
12	1-806323	1	Rollpin 3/16 X 7/8
13	109-5667	1	Ring-Bolt Retaining
14	1-323385	1	Knob-3 Prong
15	103-1279	1	Plug, Black Nylon 1.75
16	109-3458	1	Pin,Chute Pivot
17	1-806003	1	Hairpin-Cotter
23	109-6658	2	Nut-Nyloc 3/8-16 Flg
24	116-6924-03	1	ASM-Hydro Gusset [black]
25	1-303334	4	Washer-Spring Disc 5/16
26	116-0723	2	Screw-HH 3/8-18 X 6 1/2

**Notes:**

## EXMARK ACCESSORIES AND OPTIONS\*

### MID-MOUNT RIDING ACCESSORIES AND OPTIONS

CUSTOM RIDE SEAT SUSPENSION SYSTEM	OPERATOR CONTROLLED DISCHARGE
FULL SUSPENSION SEAT	SUN SHADE
DECK LIFT ASSIST KIT	TRASH CONTAINER
HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
MICRO-MULCH SYSTEM	

### OUT-FRONT RIDING ACCESSORIES AND OPTIONS

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

### WALK-BEHIND ACCESSORIES AND OPTIONS

GRASS CATCHER	TURF STRIPER
MICRO-MULCH SYSTEM	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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