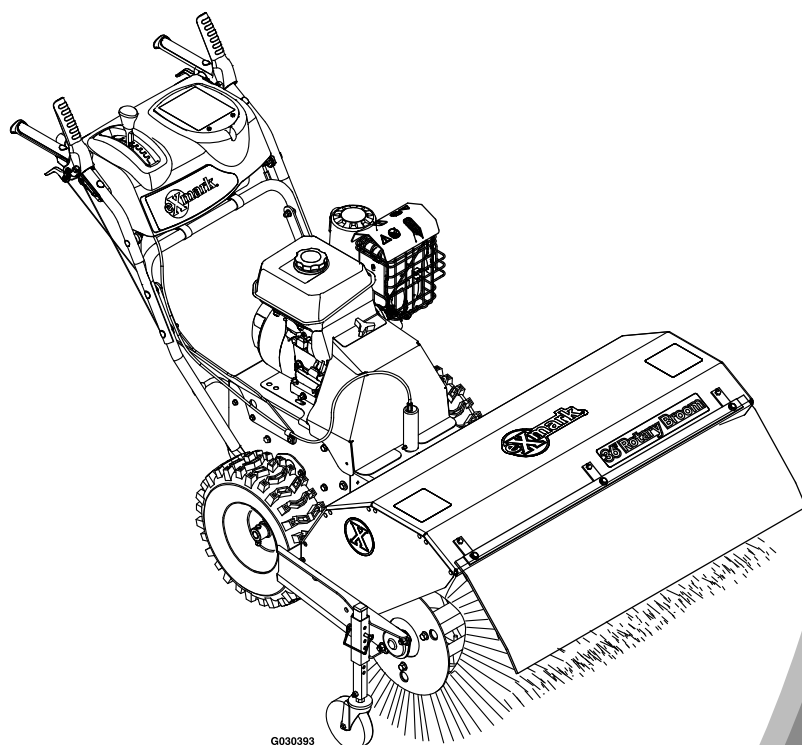




# **WALK-BEHIND ROTARY BROOM**

**Model No. BRS270CKC36000—Serial No. 31500000 and Up**

Picture below may not reflect actual product.



# **Parts Manual**

Part No. 4502-195 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

<b>AR:</b> as required	<b>HLH:</b> hex lag head	<b>PTH:</b> phillips truss head
<b>ASM:</b> assembly	<b>HOC:</b> height-of-cut	<b>PTO:</b> power-take-off
<b>BBC:</b> blade brake control	<b>HP:</b> high pressure	<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>LP:</b> low pressure	<b>SRH:</b> slotted round head
<b>FH:</b> flat head	<b>LPG:</b> Liquefied Petroleum Gas	<b>STD:</b> standard
<b>GA:</b> gauge	<b>NI:</b> nylon insert	<b>TAP:</b> self tapping
<b>HD:</b> heavy-duty	<b>NPTF:</b> national pipe thread fine	<b>TTH:</b> torx truss head
<b>HF:</b> hex flange	<b>PFH:</b> phillips flat head	
<b>HH:</b> hex head	<b>PPH:</b> phillips pan head	
<b>HHF:</b> hex head flange	<b>PPHTF:</b> phillips pan head thread forming	
<b>HHFTF:</b> hex head flange thread forming	<b>PRH:</b> phillips round head	
<b>HJ:</b> hex jam		

# 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).

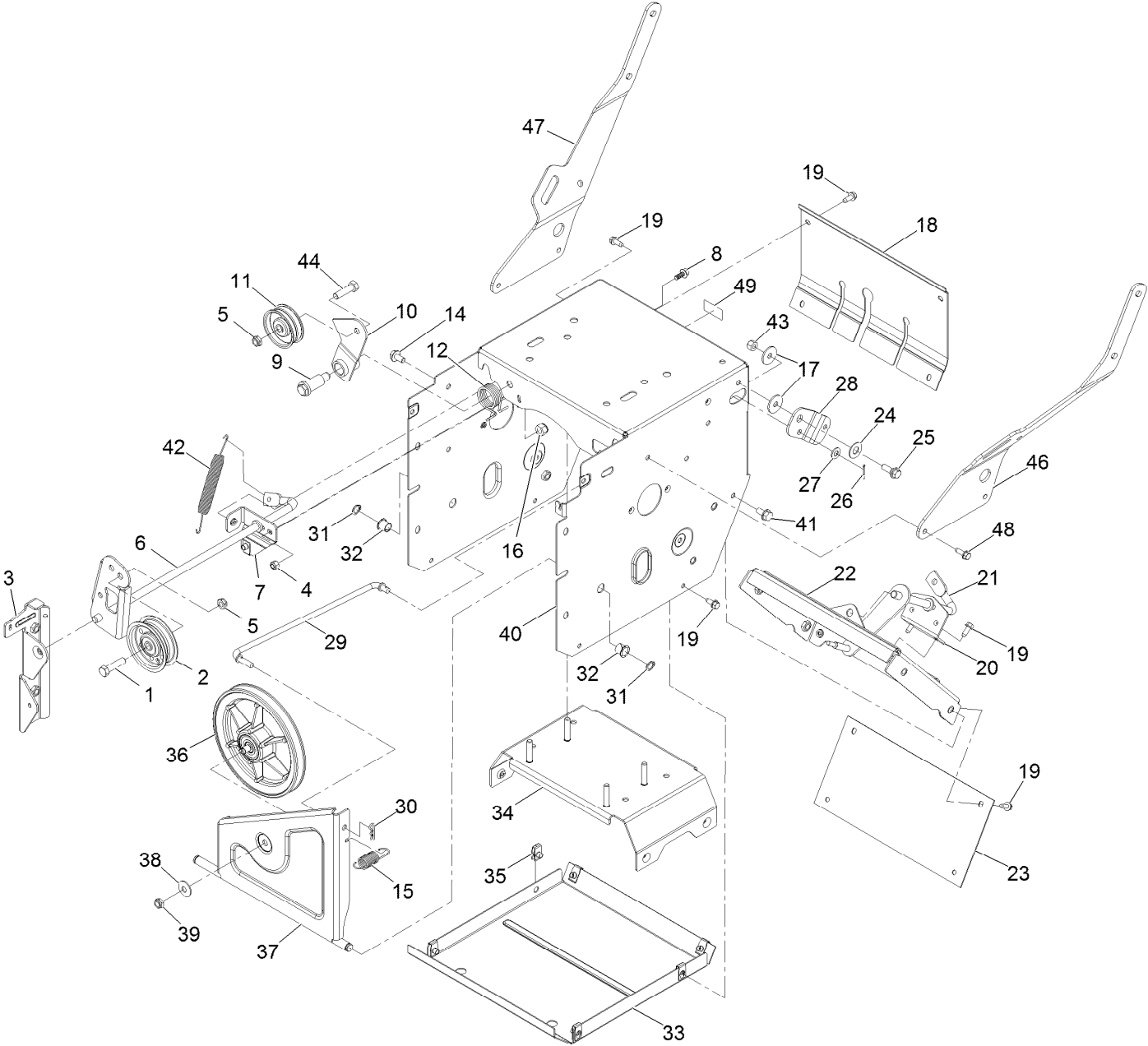


If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE Guaranteed!! (Some restrictions apply. See your participating Exmark Dealer for details.)

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# Main Frame Assembly

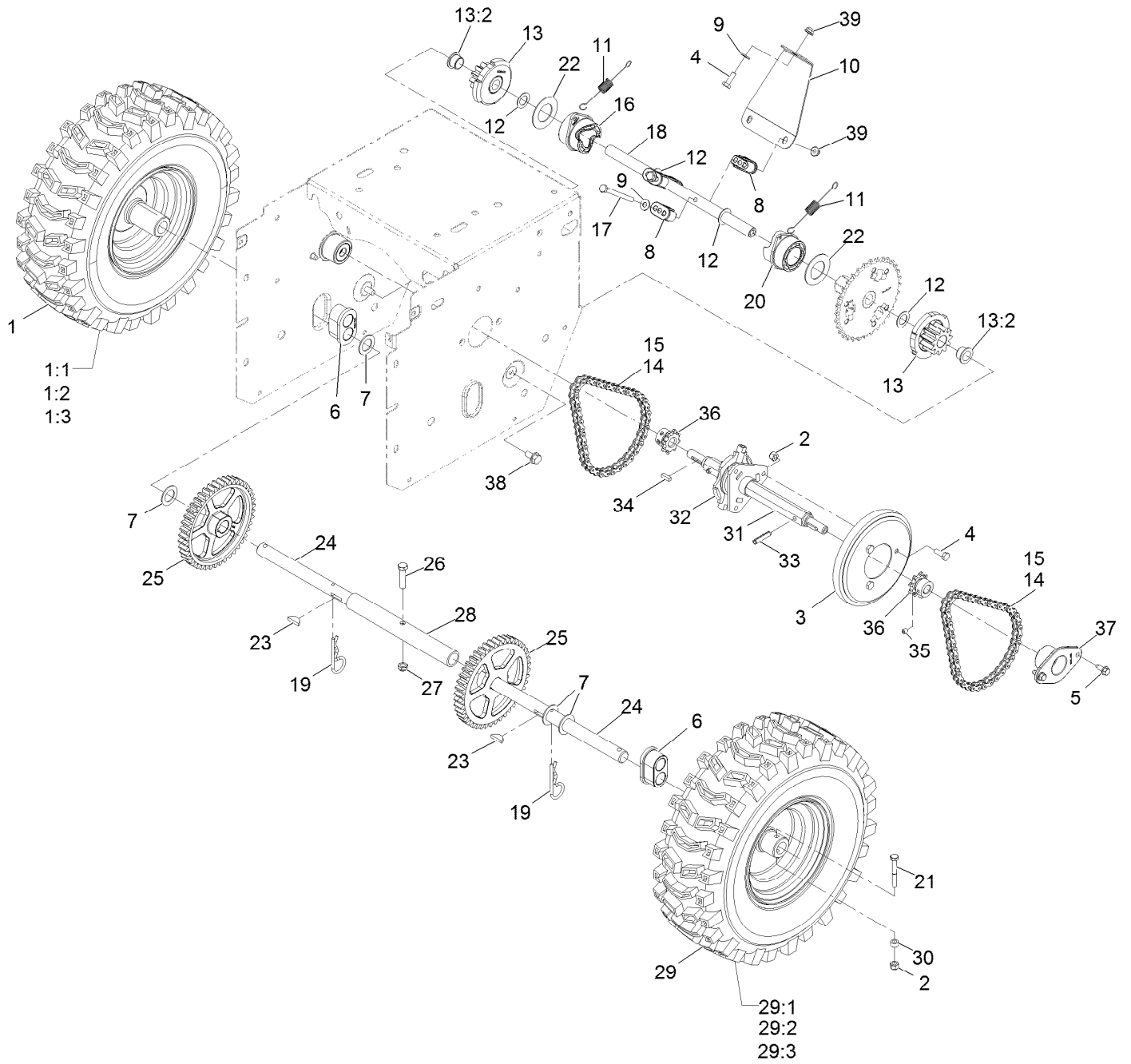


## Main Frame Assembly (continued)

<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	323-8	1	Screw-HH 3/8-16 X 1 1/2	26	3272-4	1	Pin-Cotter
2	92-7104	1	Pulley-Idler	27	3256-23	1	Washer-5/16 Sae
3	107-1039	1	Bracket-Idler, Impeller	28	107-1011	1	Bellcrank-Drive
4	3296-42	1	Nut-Nyloc 1/4-20	29	106-4467	1	Link-Control, Speed
5	3296-59	2	Nut-Nyloc 3/8-16 Thin	30	3290-307	1	Pin-Cotter
6	107-3838-03	1	Impeller Clutch ASM	31	32151-61	2	Ring-Retaining
7	120-9824	1	Bracket-Clutch, Impeller	32	256-257	2	Bushing-Nyliner
8	99-6810	1	Screw-HH 1/4-20 X 5/8	33	106-7330-03	1	Pan-Bottom
9	108-5056	1	Bolt-Shoulder ●	34	116-7678	1	Brace-Frame
10	108-5058	1	Arm-Idler, Traction	35	107069	8	Nut-Retainer-Panel 1/4-20
11	3-4244	1	Pulley-Idler	36	108-0031	1	Pulley-Traction
12	108-7332	1	Spring-Torsion	37	108-7307	1	Bracket-Wheel, Friction
14	3234-7	2	Screw-HH Flg 5/16-18 X 5/8	38	3290-340	1	Washer-Belleville
15	107-1003	1	Spring-Extension	39	3296-5	1	Nut-Nyloc 3/8-24 Thin
16	3296-76	1	Nut-Lock, NI	40	120-9832-03	1	Traction Frame ASM
17	5-4460	2	Washer-Pivot	41	32144-14	4	Screw-HWHTF
18	108-0022-03	1	Cover-Upper	42	108-2976	1	Spring-Extension
19	32144-10	13	Screw-HWH 1/4-20 X .62	43	3296-29	1	Nut-Nyloc 5/16-18
20	108-0036	1	Bracket-Rod, Shift	44	323-29	1	Screw-HH 3/8-16 X 1 3/8
21	106-7268	1	Lever-Control, Traction	46	116-7672-03	1	Brace-Handle, LH
22	108-0026-03	1	Shift Plate ASM	47	116-7673-03	1	Brace-Handle, RH
23	106-7345-03	1	Cover-Lower	48	32144-44	4	Screw-HWH, Thread Roll
24	25-5640	1	Washer	49	126-4345	1	Decal-Patent Ttco.Com
25	27-0410	1	Screw-Shoulder 5/16-18 X 1 Sp				

● Apply light coat of anti-seize to pivot surface.

# Clutch Drive Assembly



## Clutch Drive Assembly (continued)

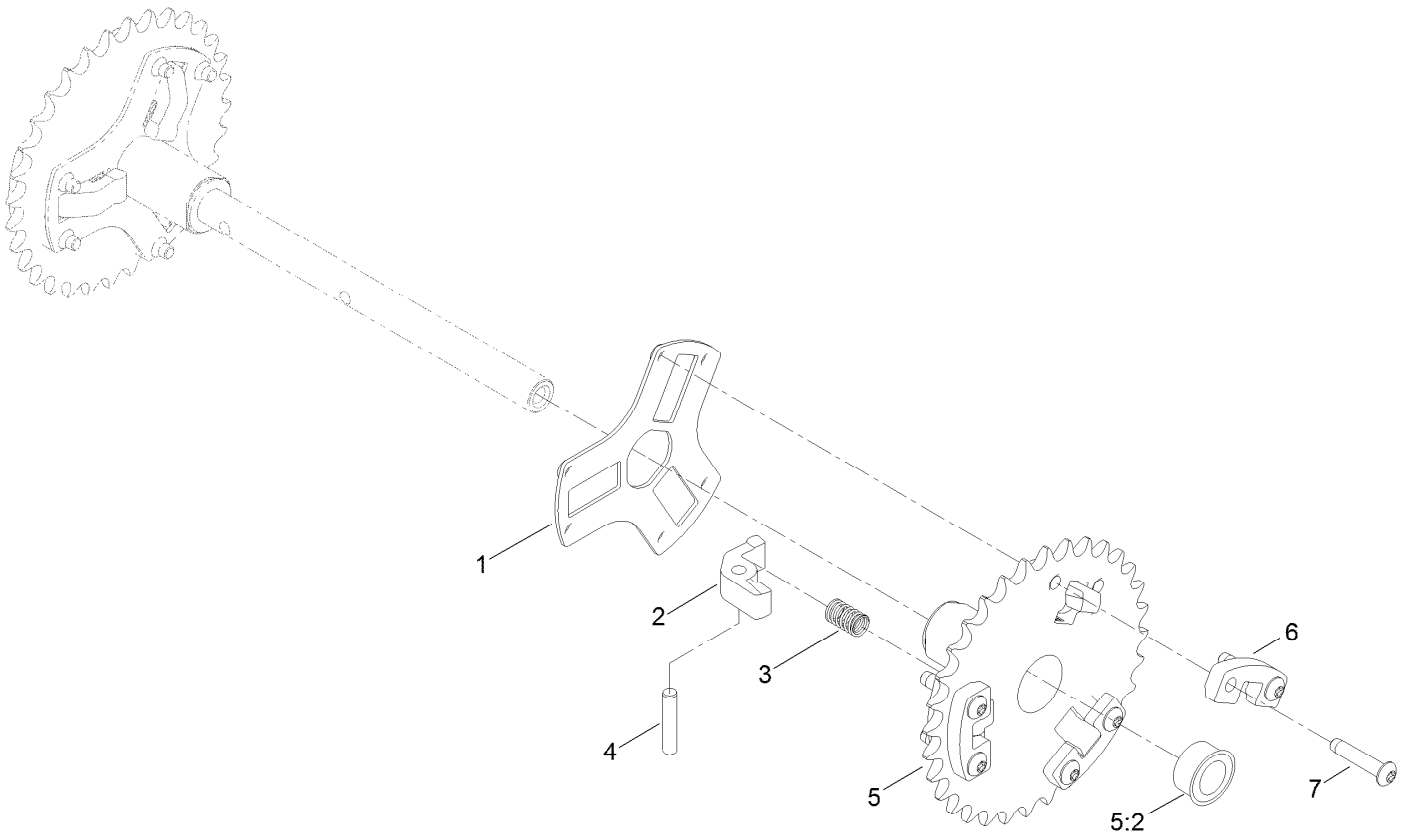
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	RH Wheel And Tire ASM ●	20	107-8887	1	Collar-Shift, LH
1:1	107-3042	1	Tire	21	108-2975	2	Screw-HH
1:2	107-3043	1	Rim-Tire	22	107-8891	2	Washer-Thrust
1:3	232-27	1	Stem-Valve	23	3257-7	2	Key-Woodruff
2	3296-42	5	Nut-Nyloc 1/4-20	24	107-8898	2	Shaft-Axle
3	119-1567	1	Wheel-Friction	25	106-4572	2	Gear-Axle, 44 Tooth
4	321-4	4	Screw-HH 1/4-20 X 3/4	26	322-17	1	Screw-HH 5/16-18 X 1 3/8
5	32144-10	4	Screw-HWH 1/4-20 X .62	27	3296-47	1	Nut-Nyloc 5/16-18 Thin
6	106-4558	2	Bearing-Axle	28	106-7259	1	Tube-Axle
7	3-8664	4	Washer-Thrust	29		1	LH Wheel And Tire ASM ●
8	107-8889	4	Guide-Collar	29:1	107-3042	1	Tire
9	3256-22	3	Washer-1/4 Sae	29:2	107-3043	1	Rim-Tire
10	107-8892-03	1	Brace-Collar, Shift	29:3	232-27	1	Stem-Valve
11	107-8893	2	Spring-Extension	30	55-9370	2	Spacer-Blade, Rotor
12	108-0015	4	Washer-Flat	31	116-7908	1	Shaft-Hex ▲
13	107-8894	2	11T Gear ASM	32	106-4434	1	Trunnion-Hex
13:2	108-2973	2	Bushing-Flange	33	32121-9	2	Pin-Roll, Slotted
14	108-0016	2	Chain-Roller	34	94-8850	2	Key-Square
15	2710-6	2	Link-Connecting	35	3245-32	4	Screw-HSH
16	107-8888	1	Collar-Shift, RH	36	106-7317	2	Sprocket-8 Tooth
17	321-23	2	Screw-HH	37	108-7319	2	Retainer-Bearing
18	107-8883	1	Shaft-Intermediate ■	38	32144-14	2	Screw-HWHTF
19	3290-343	2	Pin-Hair	39	104-7201	3	Nut-Flange, NI

● Not serviced separately

▲ Apply light coat of oil to hex portion of shaft.

■ Apply light coat of oil before assembly.

# Wheel Clutch Sprocket Assembly



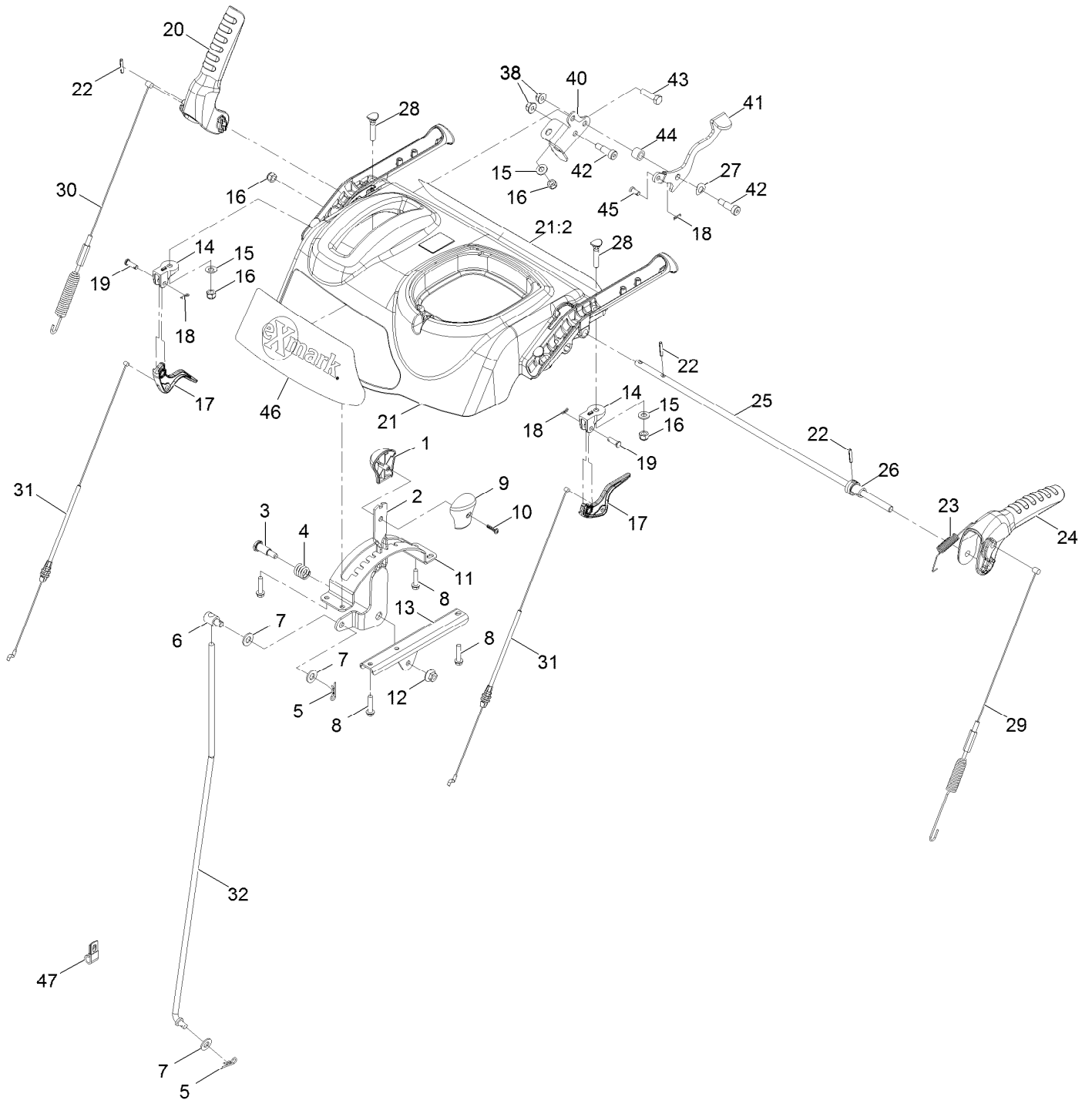


## Wheel Clutch Sprocket Assembly (continued)

<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	107-8886	2	Retainer-Pin, Pawl	5	107-8895	2	32T Sprocket ASM
2	107-8879	6	Pawl-Clutch	5:2	108-2973	2	Bushing-Flange
3	107-8885	6	Spring-Compression	6	107-8880	6	Support-Pawl
4	107-8899	6	Pin-Dowel ●	7	108-0035	12	Screw-Torx Button Head

● Apply light coat of oil before assembly.

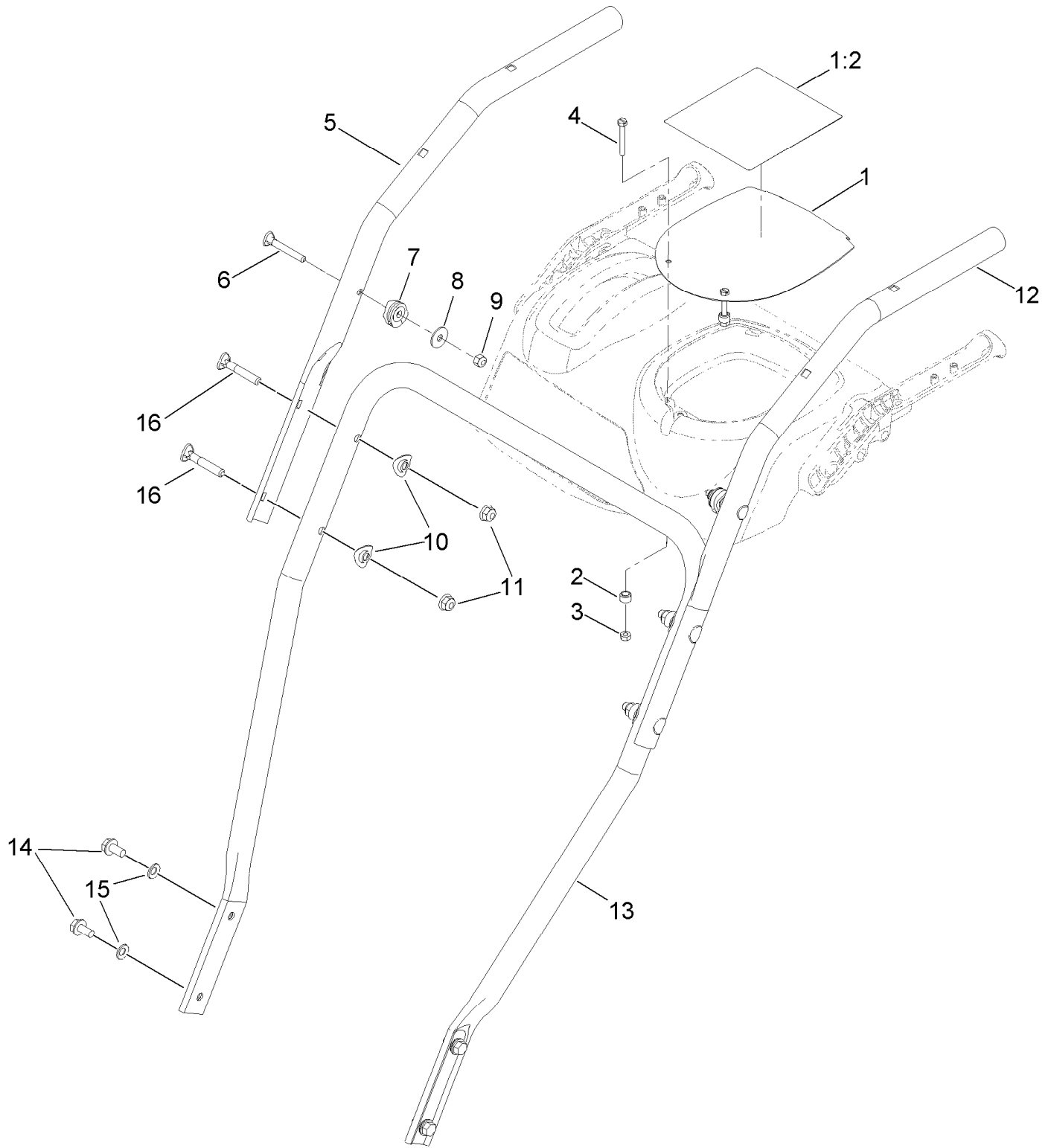
# Control Panel Assembly



## Control Panel Assembly (continued)

<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	106-4423	1	Knob-Shift, RH	21:2	116-7668	1	Decal-Control Panel Back, Tss (Ce Xb)
2	106-7278-03	1	Selector-Speed	22	32121-125	3	Pin-Spring
3	63-2650	1	Screw-Shoulder	23	107-3001	1	Spring-Tension
4	108-7313	1	Spring-Compression	24	106-4410	1	Lever-Traction
5	3290-307	2	Pin-Cotter	25	105-9996	1	Rod-Lockout
6	110-3446	1	Trunnion-Rod	26	107-1043	1	Cam-Lockout
7	3256-24	3	Washer-3/8 Sae	27	3290-212	1	Washer-Spring
8	46-8092	4	Screw-Plastite	28	107-3018	4	Screw-Handle
9	105-9999	1	Knob-Shift, LH	29	120-0132	1	Cable-Traction
10	94-4496	1	Screw-PPH	30	115-5685	1	Cable-Auger
11	106-7277-03	1	Guide-Selector, Speed	31	107-8896	2	Cable-Clutch
12	32128-13	1	Nut-HHF	32	107-1005	1	Rod-Shift
13	130-9775-03	1	Bracket-Selector, Speed	38	104-8300	2	Nut-Nyloc 5/16-18 Flg
14	105-9980	2	Mount-Clutch, Lever	40	116-7669	1	Bracket-Lever, Broom Angle
15	3256-70	4	Washer-Flat	41	116-7670	1	Lever-Thumb, Broom Angle
16	3296-72	5	Nut-Nyloc 5/16-18	42	119-6915	2	Screw-Shoulder, HSH
17	106-4505	2	Lever-Clutch	43	322-6	1	Screw-HH 5/16-18 X 1 1/4
18	108-2992	3	Pin-Hair	44	116-7793	1	Tube-Spacer
19	1-808265	2	Pin-Clevis 1/4 X 3/4	45	146319	1	Pin-Clevis 1/4 X 1/2
20	106-4413	1	Lever-Auger	46	116-7786	1	Decal-Exmark Logo
21	116-7667	1	Panel, Control W/Decal Ce Xb	47	1-323229	1	Clip-Loom 3/8

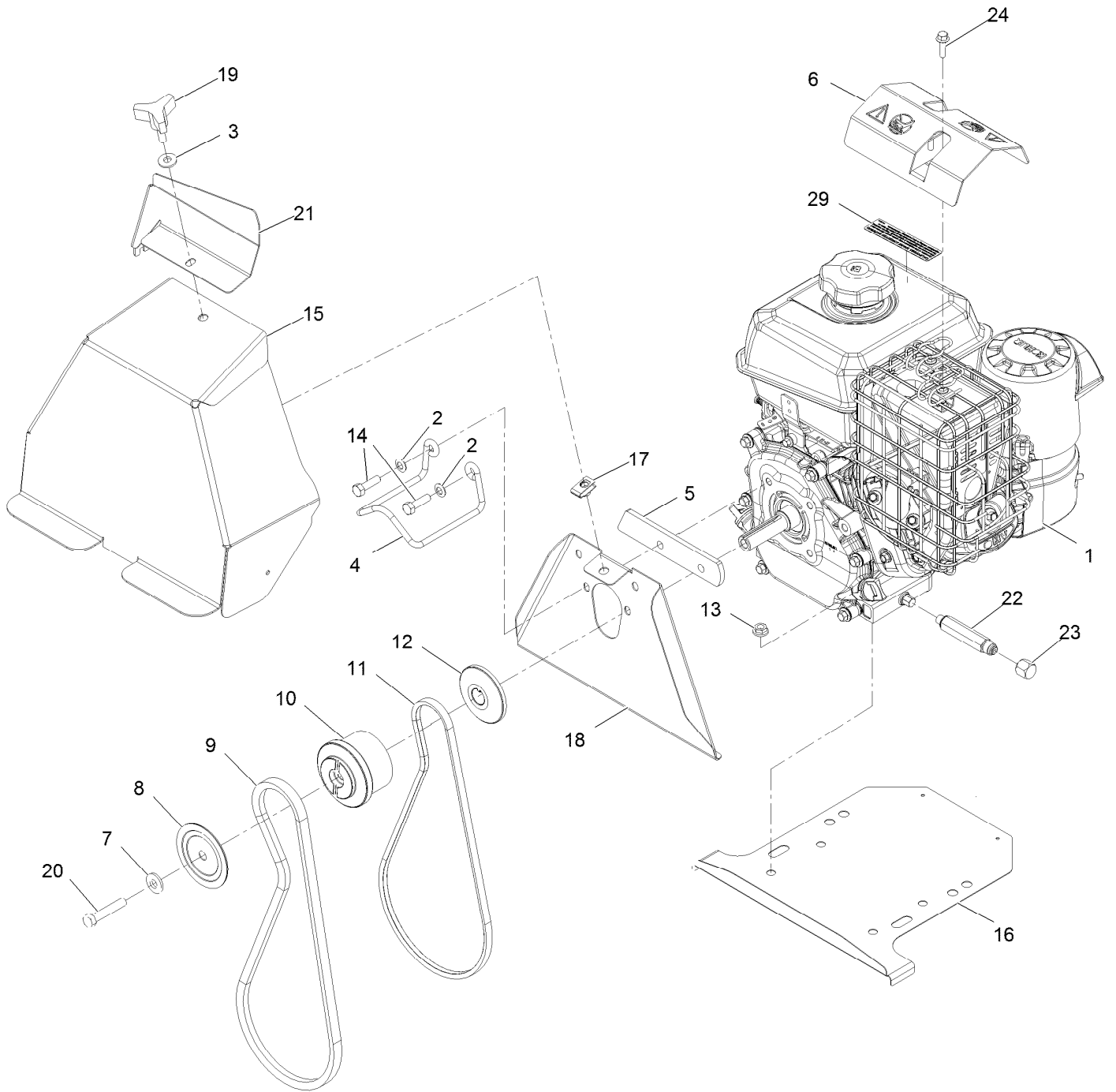
# Handle Assembly



## Handle Assembly (continued)

<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	116-7788	1	Panel, Control	9	3296-73	2	Nut-Lock, NI
1:2	116-7370	1	Decal-Warning	10	107-3844	4	Washer
2	55-9370	2	Spacer-Blade, Rotor	11	104-8300	4	Nut-Flange, NI
3	3296-2	2	Nut-Lock, NI	12	108-0037-03	1	Handle-Upper, LH
4	32105-5	2	Screw	13	105-9981-03	1	Handle-Lower
5	108-0038-03	1	Handle-Upper, RH	14	32144-14	4	Screw-HWHTF
6	95-4453	2	Screw	15	3290-475	4	Washer-Belleville
7	106-4509	2	Clamp-Cable	16	92-2260	4	Screw-Handle
8	87-6630	2	Washer-Plain				

# Engine Assembly



## Engine Assembly (continued)

<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		1	Engine-Kohler, Ch270 ●▲	14	3210-6	2	Bolt-HH 5/16-24 X 1 1/8
2	3290-475	2	Washer-Belleville	15	116-7258-03	1	Cover - Belt
3	1-303334	1	Washer-Spring Disc 5/16	16	116-8761-03	1	Shield-Drive
4	107-3835	1	Guide-Belt	17	94-2413	1	U-Nut
5	116-7659-03	1	Spacer-Cover Belt	18	116-7431-03	1	Cover-Belt, Back
6	126-4178-03	1	Deflector,Debris Muffler	19	106-2240	1	Knob
7	98-5975	1	Washer-Spring Disc 3/8	20	3211-9	1	Screw-HH ◆
8	112-8139	1	Sheave-Half, Impeller ■	21	116-7922-03	1	Shield-Ice, Kc Ch270
9	1-653332	1	Belt	22	116-8721	1	Adapter
10	112-8117	1	Pulley-Engine, Center ■	23	01-201-4520	1	Cap
11	94-8812	1	V Belt-Traction	24	33103-025	2	Screw-HHF
12	112-8138	1	Sheave-Half, Traction ■	29	117-2718	1	Decal-Arrester, Spark
13	32128-20	4	Nut-Whizlock 5/16-18				

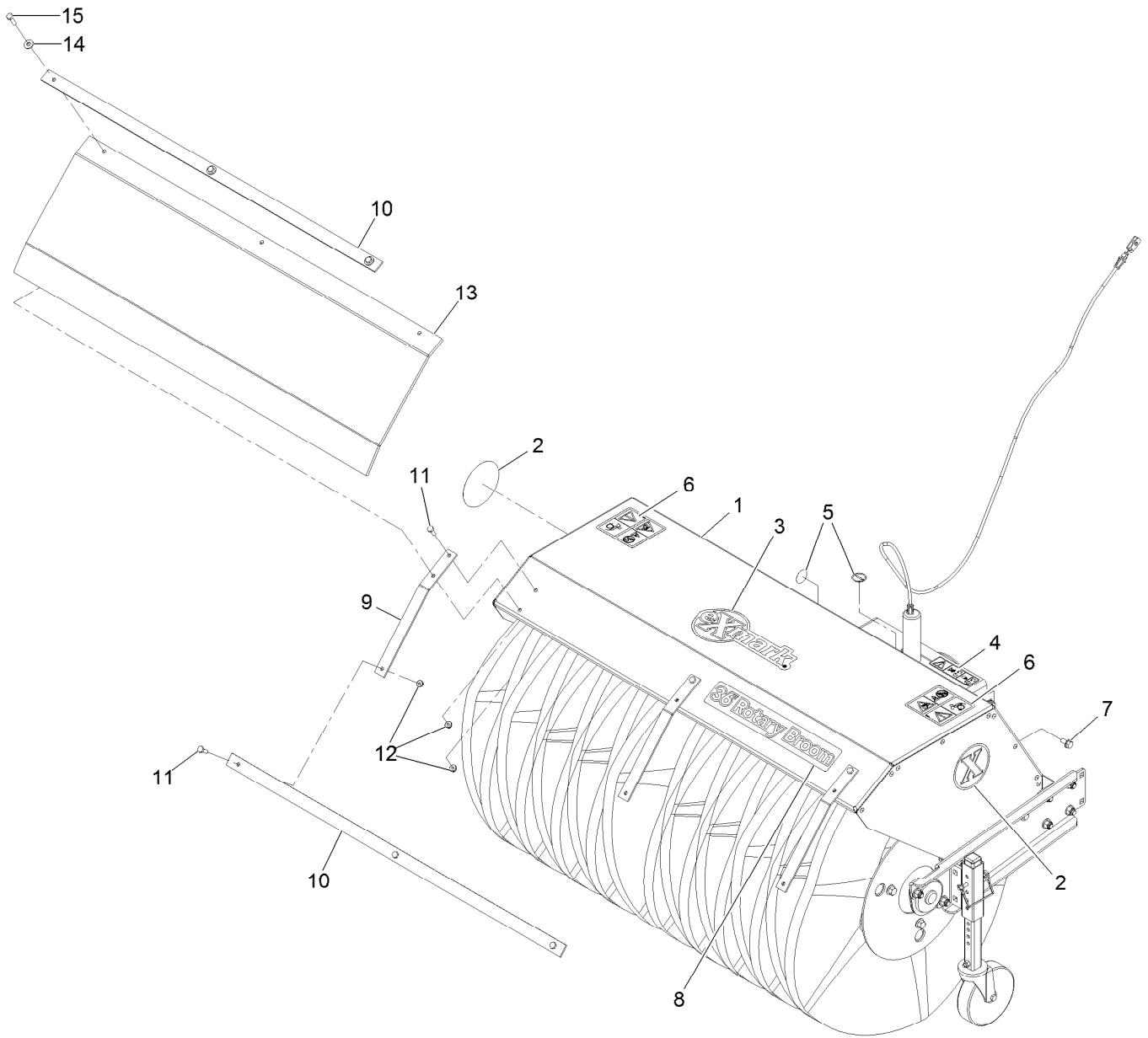
● Not serviced separately

▲ Obtain parts from [www.kohlerplus.com](http://www.kohlerplus.com)

◆ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.

■ Apply anti-seize compound in bore.

# Broom Head and Shield Assembly



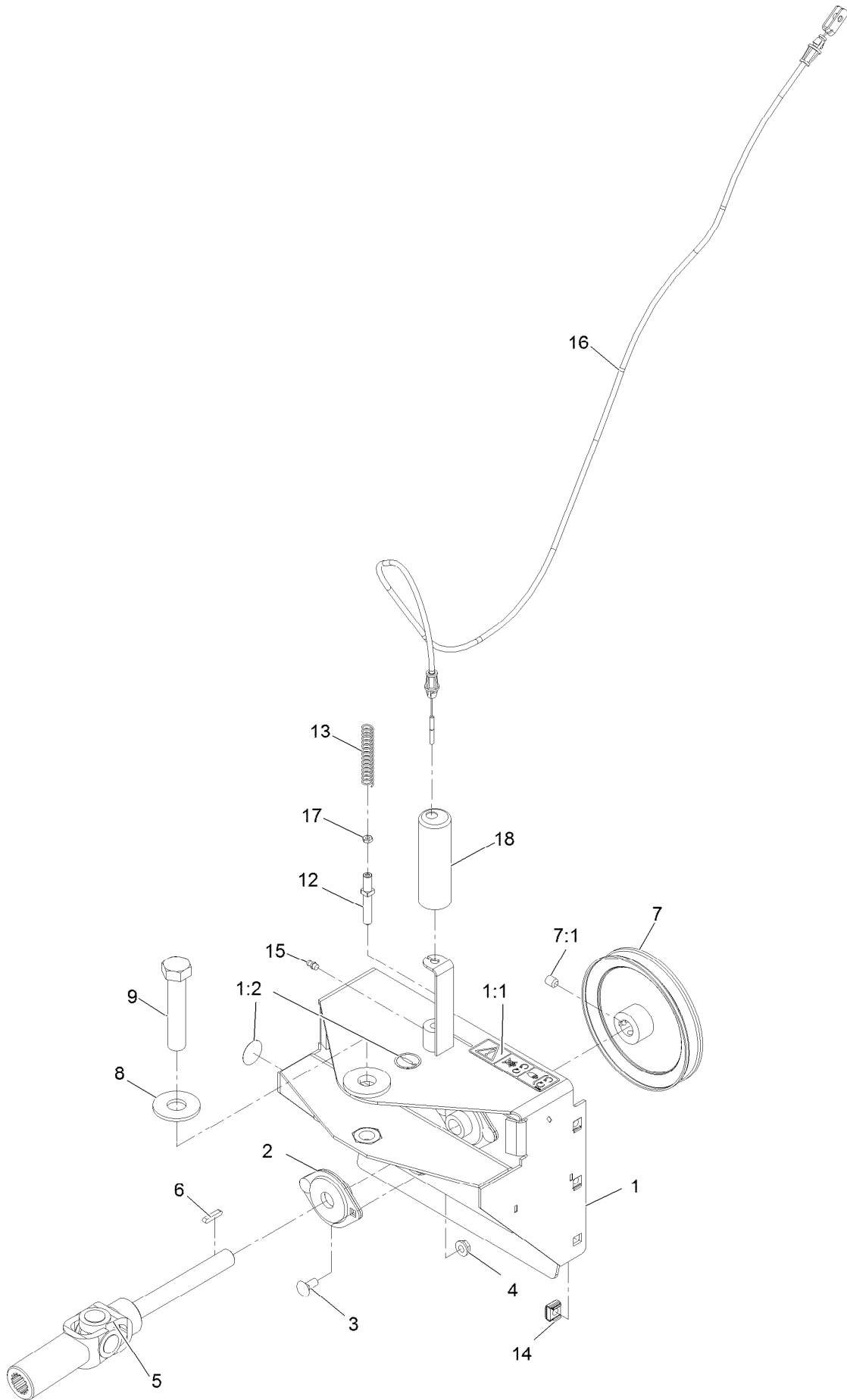


## Broom Head and Shield Assembly (continued)

<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		1	Broom - Mb ●	9	116-8869-03	3	Strap-Support, Deflector
2	116-7034	2	Decal-Exmark X-Logo 3.85	10	116-8880-03	2	Strap-Support, Broom Deflector
3	1-653546	1	Decal, Exmark	11	321-4	6	Screw-HH 1/4-20 X 3/4
4	112-9028	1	Decal-Missing Cover	12	104-7201	9	Nut-Nyloc 1/4-20 Flg
5	115-2903	2	Decal-Grease	13	116-8864	1	Deflector-Broom, 3'
6	116-8140	2	Decal-Warning	14	3256-2	3	Washer-1/4 Std
7	32144-14	6	Screw-HWHTF	15	321-6	3	Screw-HH 1/4-20 X 1
8	116-9227	1	Decal-36 Rotary Broom				

● Not serviced separately

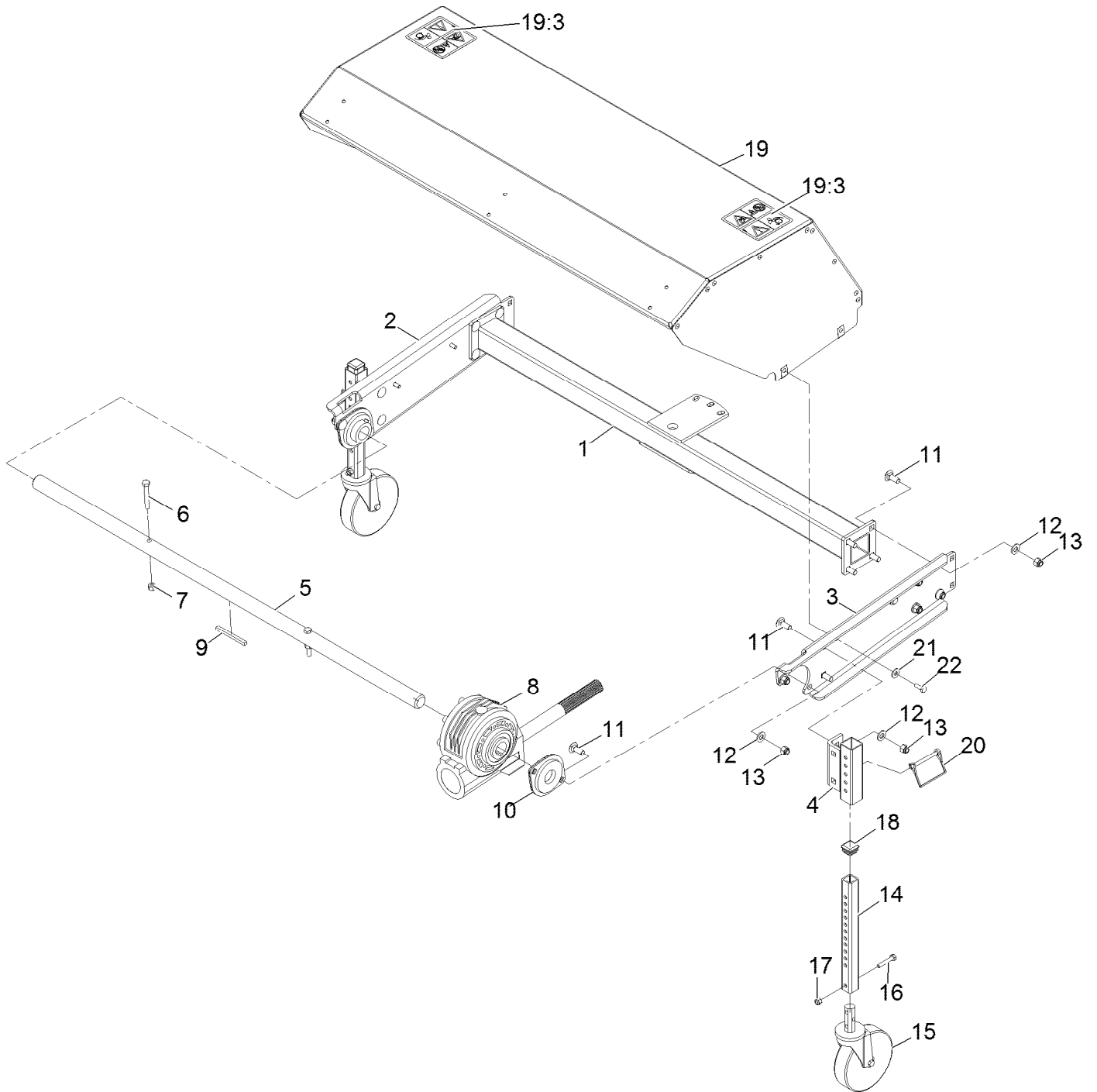
# Mounting Assembly



## Mounting Assembly (continued)

<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	116-8122	1	Frame-Broom, Mounting ASM	7:1	3246-18	2	Setscrew-5/16-18 X 3/8
1:1	112-9028	1	Decal-Missing Cover	8	3256-8	1	Washer
1:2	115-2903	2	Decal-Grease	9	3216-7	1	Screw-HH 3/4-16 X 3 3/4
2	116-8103	2	Bearing-.75 Shaft	12	116-8106	1	Pin-Swing
3	3230-1	4	Bolt-Carriage 5/16-18 X 3/4	13	116-8107	1	Spring-Compression
4	32128-20	4	Nut-Whizlock 5/16-18	14	3290-496	6	Nut-Retainer
5	116-8104	1	Driveline-Series	15	302-19	1	Zerk-1/4-28 Str
6	116-8105	1	Key-Round End	16	116-7671	1	Cable-Broom Angle
7	116-7930	1	Pulley-Impeller	17	3217-26	1	Nut-Hex
				18	116-8108	1	Cap

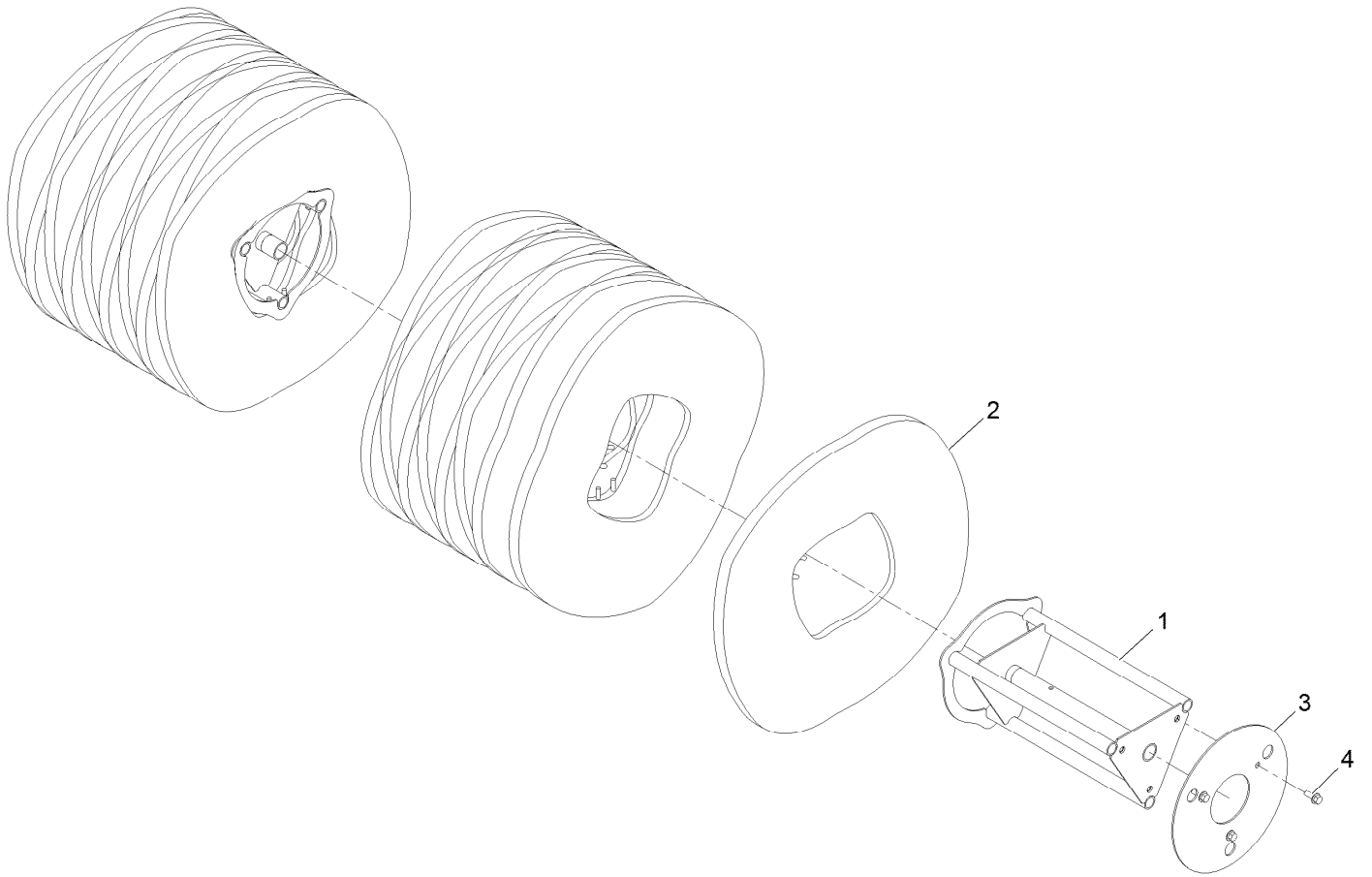
# Hood and Frame Assembly



## Hood and Frame Assembly (continued)

<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	116-8544	1	Frame	13	3296-39	16	Nut-Nyloc 3/8-16
2	116-8546	1	Arm-Right	14	116-8223	2	Tube-Square, Height Adjust
3	116-8545	1	Arm-Left	15	116-8117	2	Caster-Wheel
4	116-8543	2	Caster-Bracket	16	321-9	2	Screw-HH 1/4-20 X 1 1/2
5	116-8114	1	Shaft	17	3296-42	2	Nut-Nyloc 1/4-20
6	322-11	2	Screw-HH 5/16-18 X 2 1/4	18	103-3202	2	Cap
7	3296-29	2	Nut-Nyloc 5/16-18	19	116-8123	1	Broom-Hood ASM
8	116-8115	1	Gearbox-Worm	19:3	116-8140	2	Decal-Warning
9	83-2800	1	Key-Straight	20	116-8224	2	Pin, Wire Lock
10	116-8116	2	Bearing-Flange	21	3256-2	4	Washer-1/4 Std
11	3231-2	16	Bolt-Carriage 3/8-16 X 1	22	321-4	4	Screw-HH 1/4-20 X 3/4
12	3256-24	16	Washer-3/8 Sae				

# Core Assembly



## Core Assembly (continued)

<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	116-8119	2	Core-Broom	3	116-8121	2	Plate-End, Retainer
2	116-8120	18	Segment-Poly	4	3234-11	6	Screw-HH Flg 3/8-16 X 1

# Attachments and Accessories

## For BRS270CKC36000 Walk-Behind Rotary Broom

<b>Product Name</b>	<b>Model/Part</b>
Tire Chain Kit .....	116-8226
Cab Kit .....	116-8227
Turf Caster Kit .....	116-8228
Dirt Deflector Kit .....	116-8229
Debris Box Kit .....	116-8230
Black Snow/Ice Wafers .....	116-8232
Light Kit .....	116-8234
Rack Kit .....	116-9820
Electrical Power Kit .....	126-0023
Sprayer Boom Kit .....	126-0024



**Notes:**

**Notes:**

# EXMARK® MAINTENANCE

## MAXIMIZE THE PERFORMANCE OF YOUR EXMARK.

### **4-CYCLE PREMIUM ENGINE OIL**

Part No. 116-3373

Both SAE 30 and SAE 10W-30 in one bottle.

Contains increased levels of zinc and phosphorus for better lubricity.

No Viscosity Index Improvers that tend to shear down in high heat.

Synthetic formulation.

Gas & Diesel compatible.

Anti-corrosion additives.

API 'SL' and JASO rated with wet clutch compatibility for other machines.

### **PREMIUM HYDRO OIL**

Part No. 109-9828

Commercial quality for tough, high-heat conditions.

Designed specifically for zero-turn mower hydraulic systems.

Superior shear resistance under heavy loads.



Available from your local Exmark dealer. Find your closest dealer at [exmark.com](http://exmark.com)

## 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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