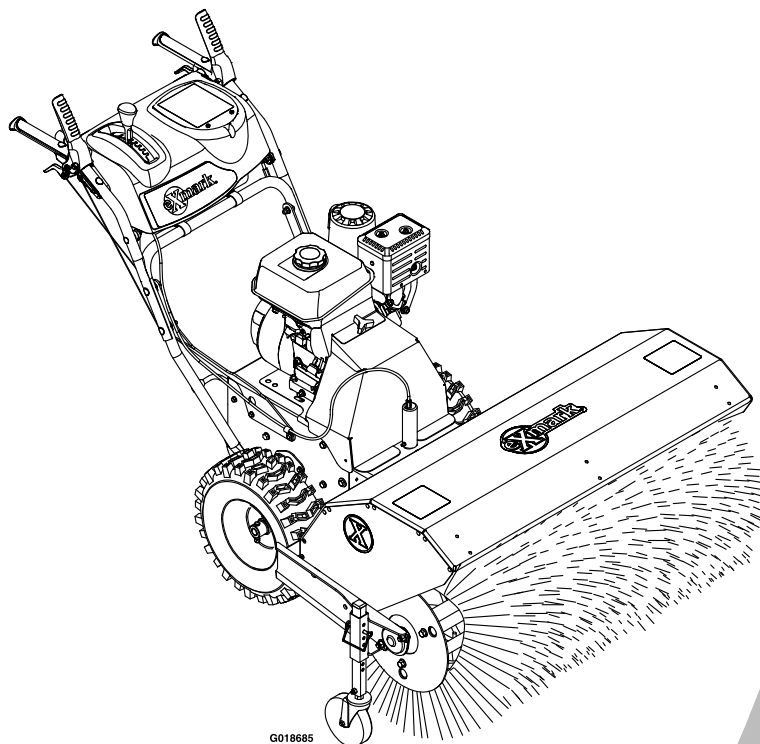




36 INCH ROTARY BROOM

Model No. BR270KC36—Serial No. 313000000 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

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

Touch Up Paint

Exmark black touch up spray paint – gloss black.

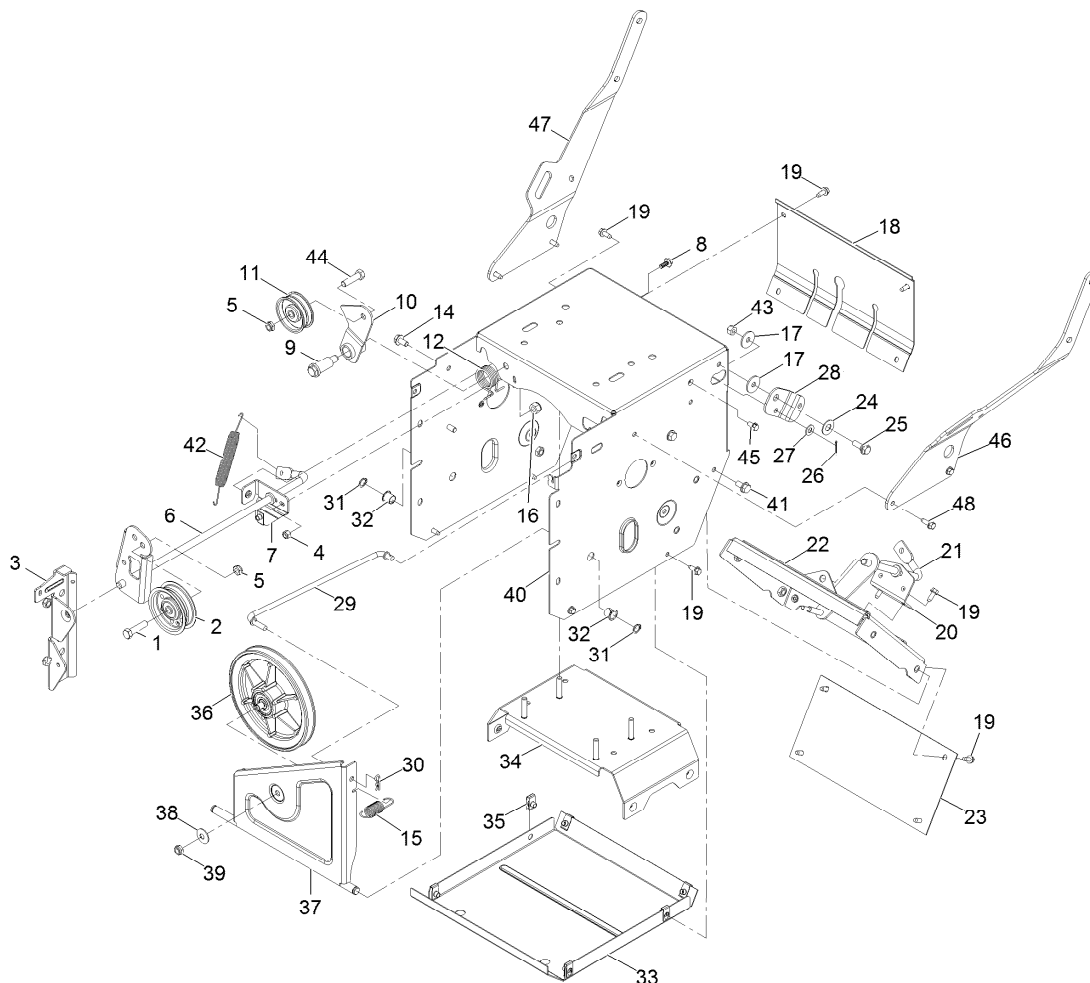
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

Contents

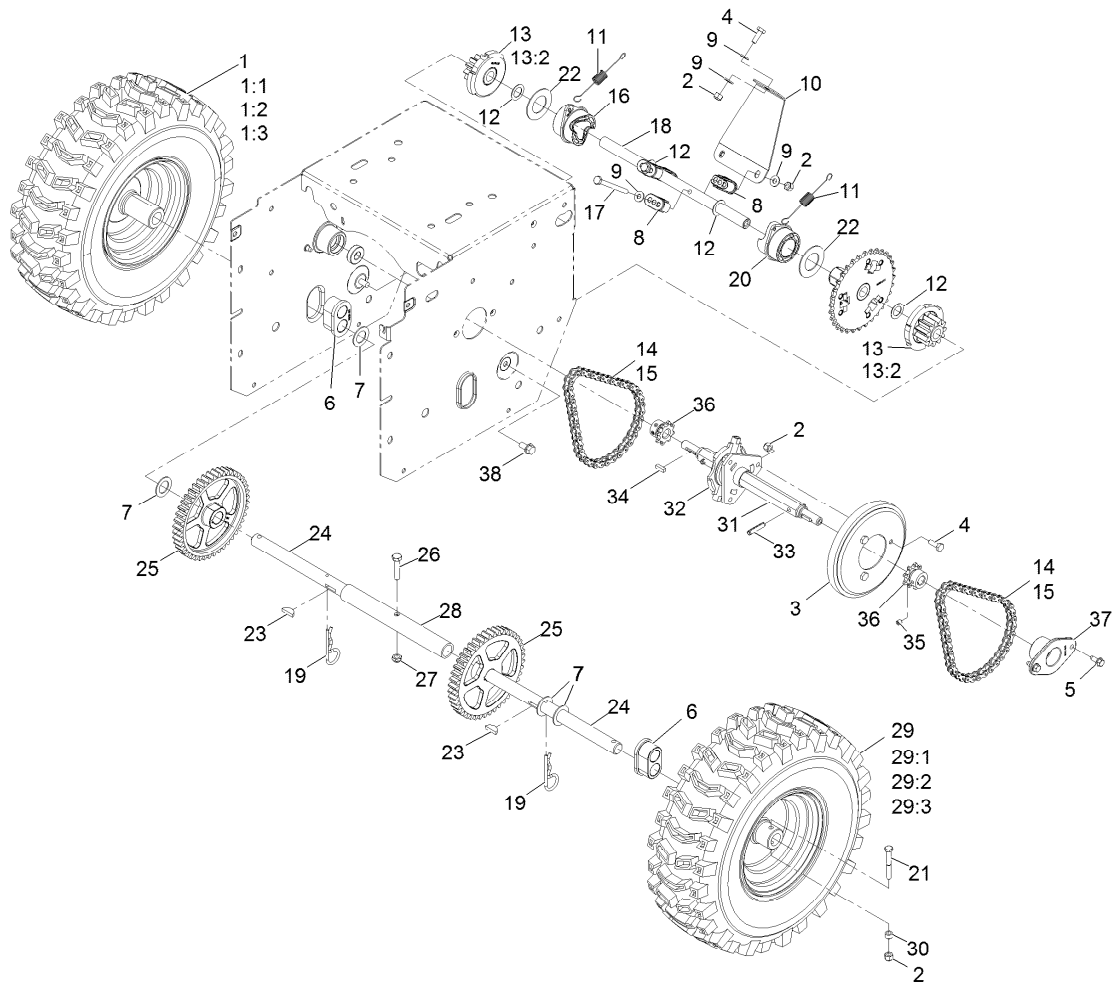
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Clutch Drive Assembly	5
Wheel Clutch Sprocket Assembly	6
Control Panel Assembly	7
Handle Assembly	8
Engine Assembly	9
Mounting Assembly	10
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Core Assembly	12
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Frame Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
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-Hair
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	Frame Brace ASM
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	Traction Pulley ASM
12	108-7332	1	Spring-Torsion	37	108-7307	1	Friction Wheel Bracket ASM
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	45	32144-4	1	Screw-HWH 1/4-20 X 1/2
22	108-0026-03	1	Shift Plate ASM				Tapite
23	106-7345-03	1	Cover-Lower	46	116-7672-03	1	Brace-Handle, LH
24	25-5640	1	Washer	47	116-7673-03	1	Brace-Handle, RH
25	27-0410	1	Screw-Shoulder 5/16-18 X 1 Sp	48	32144-44	4	Screw-HWH, Thread Roll

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



Clutch Drive Assembly

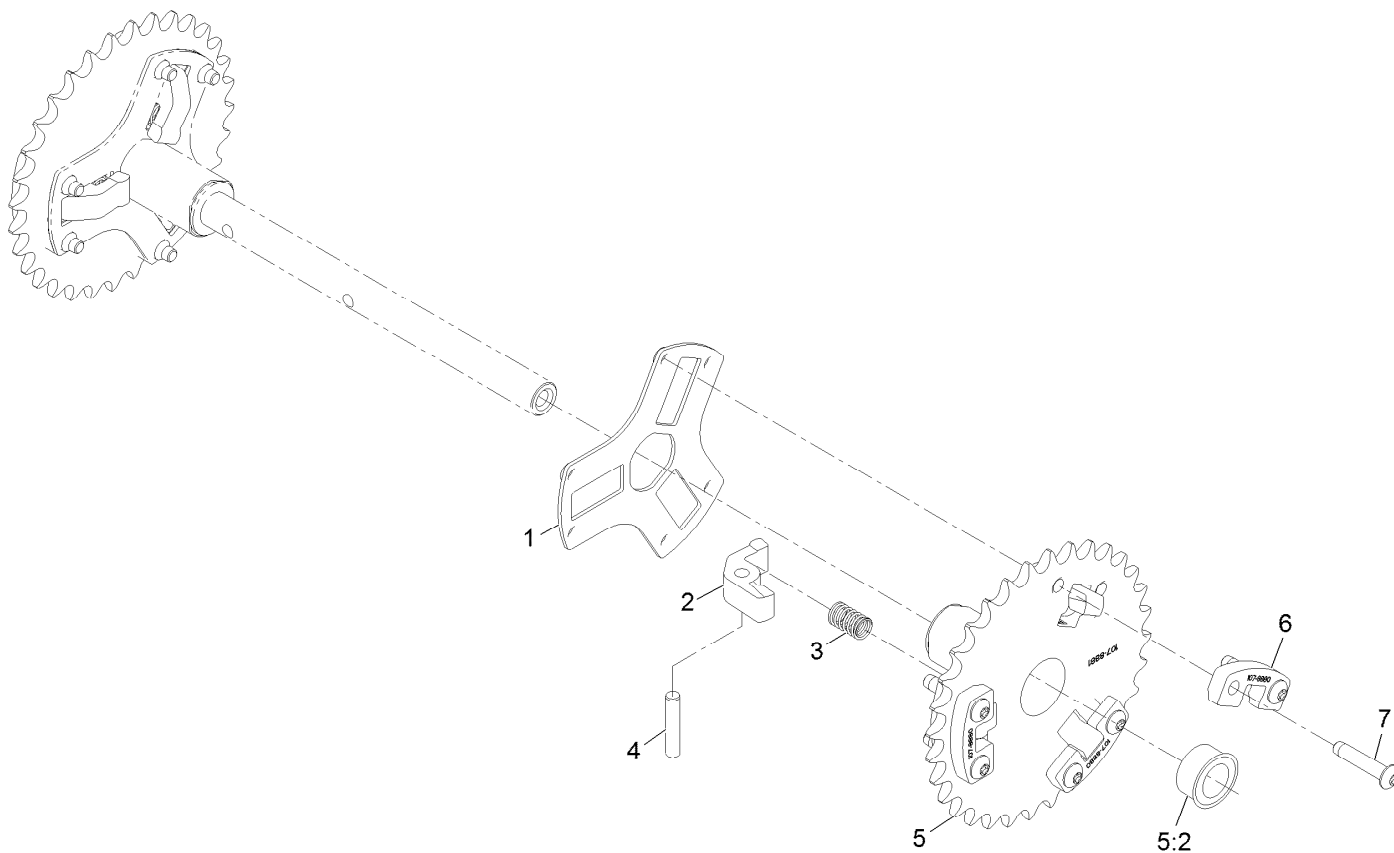
Ref.	Part Number	Qty.	Description
1		1	RH Wheel And Tire ASM ●
1:1	107-3042	1	Tire
1:2	107-3043	1	Rim-Tire
1:3	232-27	1	Stem-Valve
2	3296-42	8	Nut-Nyloc 1/4-20
3	119-1567	1	Wheel-Friction
4	321-4	4	Screw-HH 1/4-20 X 3/4
5	32144-10	4	Screw-HWH 1/4-20 X .62
6	106-4558	2	Bearing-Axle
7	3-8664	4	Washer-Thrust
8	107-8889	4	Guide-Collar
9	3256-22	6	Washer-1/4 Sae
10	107-8892-03	1	Brace-Collar, Shift
11	107-8893	2	Spring-Extension
12	108-0015	4	Washer-Flat
13	107-8894	2	11T Gear ASM
13:2	108-2973	2	Bushing-Flange
14	108-0016	2	Chain-Roller
15	2710-6	2	Link-Connecting
16	107-8888	1	Collar-Shift, RH
17	321-23	2	Screw-HH
18	107-8883	1	Shaft-Intermediate ■
19	3290-343	2	Pin-Hair

Ref.	Part Number	Qty.	Description
20	107-8887	1	Collar-Shift, LH
21	108-2975	2	Screw-HH
22	107-8891	2	Washer-Thrust
23	3257-7	2	Key-Woodruff
24	107-8898	2	Shaft-Axle
25	106-4572	2	Gear-Axle, 44 Tooth
26	322-17	1	Screw-HH 5/16-18 X 1 3/8
27	3296-47	1	Nut-Nyloc 5/16-18 Thin
28	106-7259	1	Tube-Axle
29		1	LH Wheel And Tire ASM ●
29:1	107-3042	1	Tire
29:2	107-3043	1	Rim-Tire
29:3	232-27	1	Stem-Valve
30	55-9370	2	Spacer-Blade, Rotor
31	116-7908	1	Shaft-Hex ▲
32	106-4434	1	Trunnion-Hex
33	32121-9	2	Pin-Roll, Slotted
34	94-8850	2	Key-Square
35	3245-32	4	Screw-HSH
36	106-7317	2	Sprocket-8 Tooth
37	108-7319	2	Retainer-Bearing
38	32144-14	2	Screw-HWHTF

● Not serviced separately

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

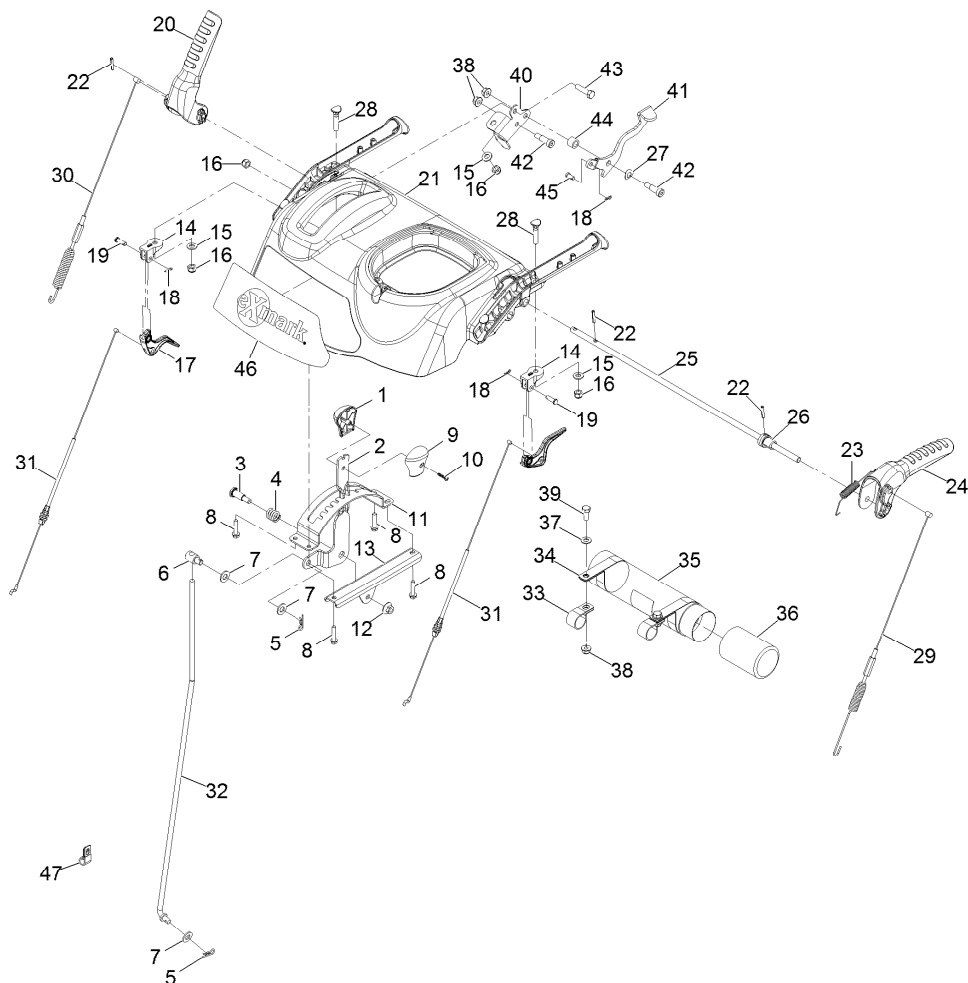
■ Apply light coat of oil before assembly.



Wheel Clutch Sprocket Assembly

Ref.	Part Number	Qty.	Description
1	107-8886	2	Retainer-Pin, Pawl
2	107-8879	6	Pawl-Clutch
3	107-8885	6	Spring-Compression
4	107-8899	6	Pin-Dowel ●
5	107-8895	2	32T Sprocket ASM
5:2	108-2973	2	Bushing-Flange
6	107-8880	6	Support-Pawl
7	108-0035	12	Screw-Torx Button Head

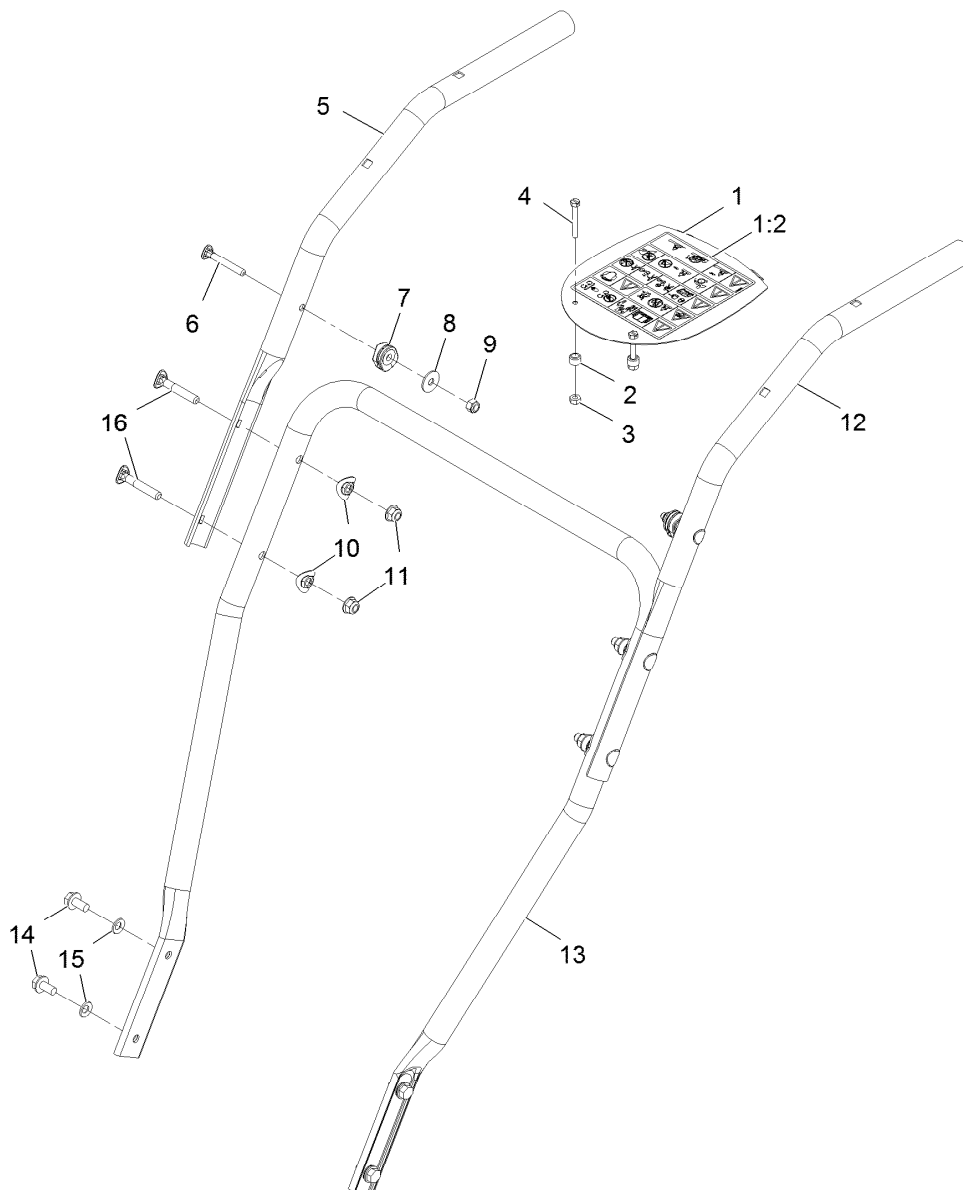
● Apply light coat of oil before assembly.



Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	106-4423	1	Knob-Shift, RH
2	106-7278-03	1	Selector-Speed
3	63-2650	1	Screw-Shoulder
4	108-7313	1	Spring-Compression
5	3290-307	2	Pin-Hair
6	110-3446	1	Trunnion-Rod
7	3256-24	3	Washer-3/8 Sae
8	46-8092	4	Screw-Plastite
9	105-9999	1	Knob-Shift, LH
10	94-4496	1	Screw-PPH
11	106-7277-03	1	Guide-Selector, Speed
12	32128-13	1	Nut-HHF
13	106-7279-03	1	Mount-Selector, Speed
14	105-9980	2	Mount-Clutch, Lever
15	3256-70	4	Washer-Flat
16	3296-72	5	Nut-Nyloc 5/16-18
17	106-4505	2	Lever-Clutch
18	108-2992	3	Pin-Hair
19	1-808265	2	Pin-Clevis 1/4 X 3/4
20	106-4413	1	Lever-Augur
21	116-7667	1	Panel, Control W/Decal Ce Xb
22	32121-125	3	Pin-Spring
23	107-3001	1	Spring-Tension

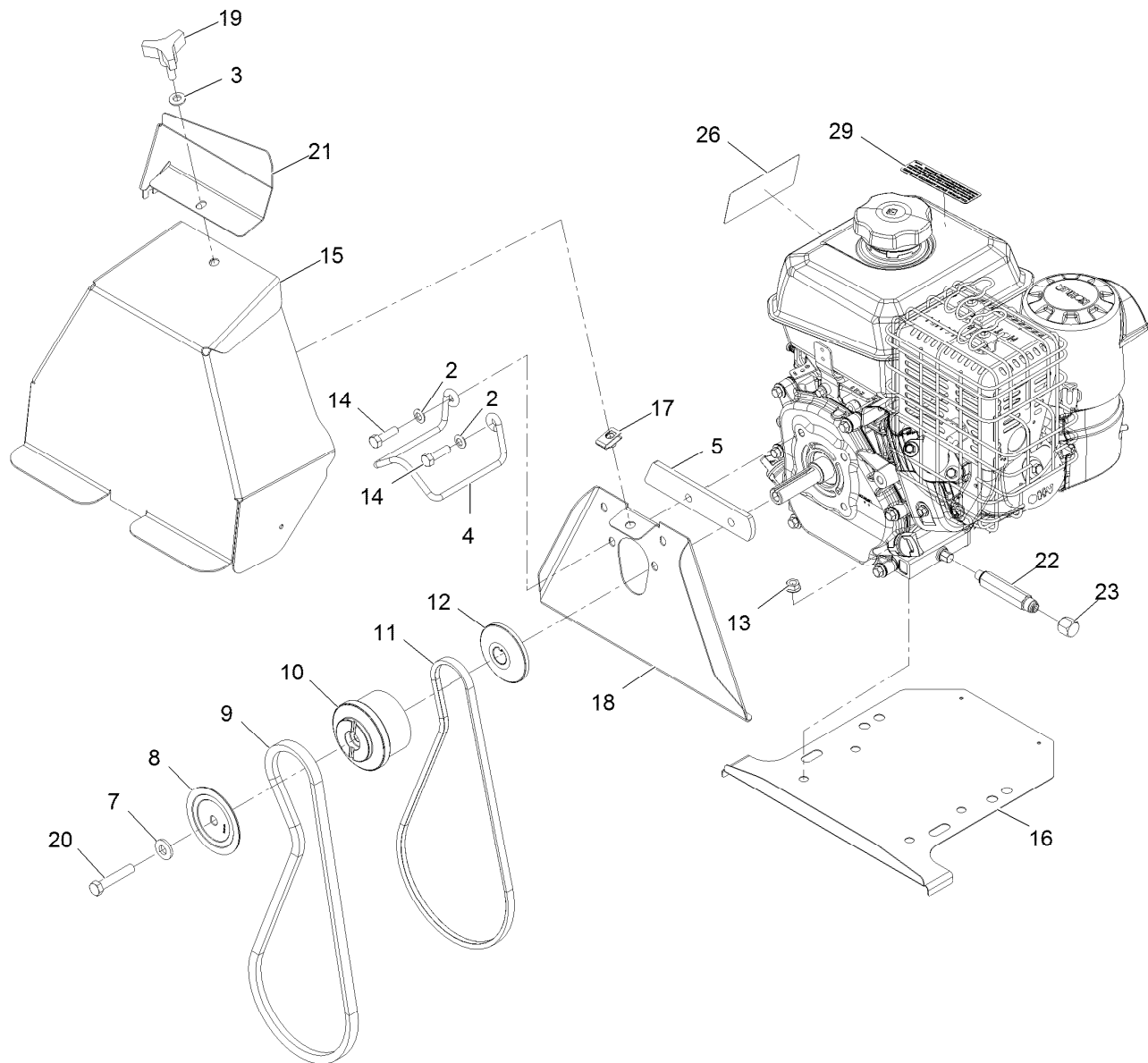
Ref.	Part Number	Qty.	Description
24	106-4410	1	Lever-Traction
25	105-9996	1	Rod-Lockout
26	107-1043	1	Cam-Lockout
27	3290-212	1	Washer-Spring
28	107-3018	4	Screw-Handle
29	120-0132	1	Cable-Traction
30	115-5685	1	Cable-Augur
31	107-8896	2	Cable-Clutch
32	107-1005	1	Rod-Shift
33	2412-39	2	R-Clamp
34	2412-133	2	R-Clamp
35	104-7050	1	Tube-Manual
36	104-7048	1	Cap-Housing
37	3256-23	2	Washer-5/16 Sae
38	104-8300	4	Nut-Nyloc 5/16-18 Flg
39	322-3	2	Screw-HH 5/16-18 X 3/4
40	116-7669	1	Bracket-Lever, Broom Angle
41	116-7670	1	Lever-Thumb, Broom Angle
42	119-6915	2	Screw-Shoulder, HSH
43	322-6	1	Screw-HH 5/16-18 X 1 1/4
44	116-7793	1	Tube-Spacer
45	146319	1	Pin-Clevis 1/4 X 1/2
46	116-7786	1	Decal-Exmark Logo
47	1-323229	1	Clip-Loom 3/8



Handle Assembly

Ref.	Part Number	Qty.	Description
1	116-7788	1	Panel, Control W/Decal Ce Xb
1:2	116-7370	1	Decal-Warning
2	55-9370	2	Spacer-Blade, Rotor
3	3296-2	2	Nut-Nyloc #10-24
4	32105-5	2	Screw
5	108-0038-03	1	Handle-Upper, RH
6	95-4453	2	Screw
7	106-4509	2	Clamp-Cable

Ref.	Part Number	Qty.	Description
8	87-6630	2	Washer-Plain
9	3296-73	2	Nut-Nyloc 1/4-20
10	107-3844	4	Washer
11	104-8300	4	Nut-Nyloc 5/16-18 Flg
12	108-0037-03	1	Handle-Upper, LH
13	105-9981-03	1	Handle-Lower
14	32144-14	4	Screw-HWHTF
15	3290-475	4	Washer-Belleville
16	92-2260	4	Screw-Handle



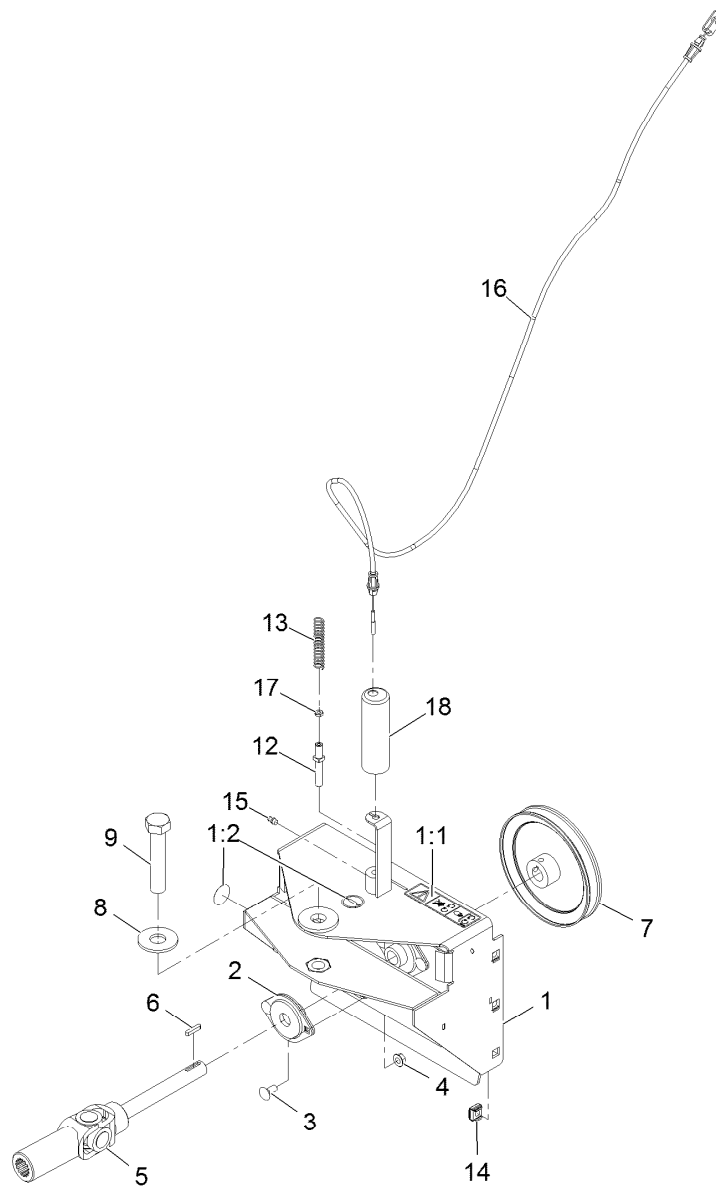
Engine Assembly

Ref.	Part Number	Qty.	Description
2	3290-475	2	Washer-Belleville
3	1-303334	1	Washer-Spring Disc 5/16
4	107-3835	1	Guide-Belt
5	116-7659-03	1	Spacer-Belt Cover
7	98-5975	1	Washer-Spring Disc 3/8
8	112-8139	1	Sheave-Half, Impeller ●
9	1-653332	1	Belt
10	112-8117	1	Pulley-Engine, Center ●
11	94-8812	1	V Belt-Traction
12	112-8138	1	Sheave-Half, Traction ●
13	32128-20	4	Nut-Whizlock 5/16-18
14	3210-6	2	Screw-HH

Ref.	Part Number	Qty.	Description
15	116-7258-03	1	Cover - Belt
16	116-8761-03	1	Shield-Drive
17	94-2413	1	U-Nut
18	116-7431-03	1	Cover-Belt, Back
19	106-2240	1	Knob
20	3211-9	1	Screw-HH ■
21	116-7922-03	1	Shield-Ice, Kc Ch270
22	116-8721	1	Adapter-06Mjox10Mm, Straight Long
23	01-201-4520	1	Cap
26	116-8505	1	Decal-Engine Fuel
29	117-2718	1	Decal-Arrester, Spark

● Apply anti-seize compound in bore.

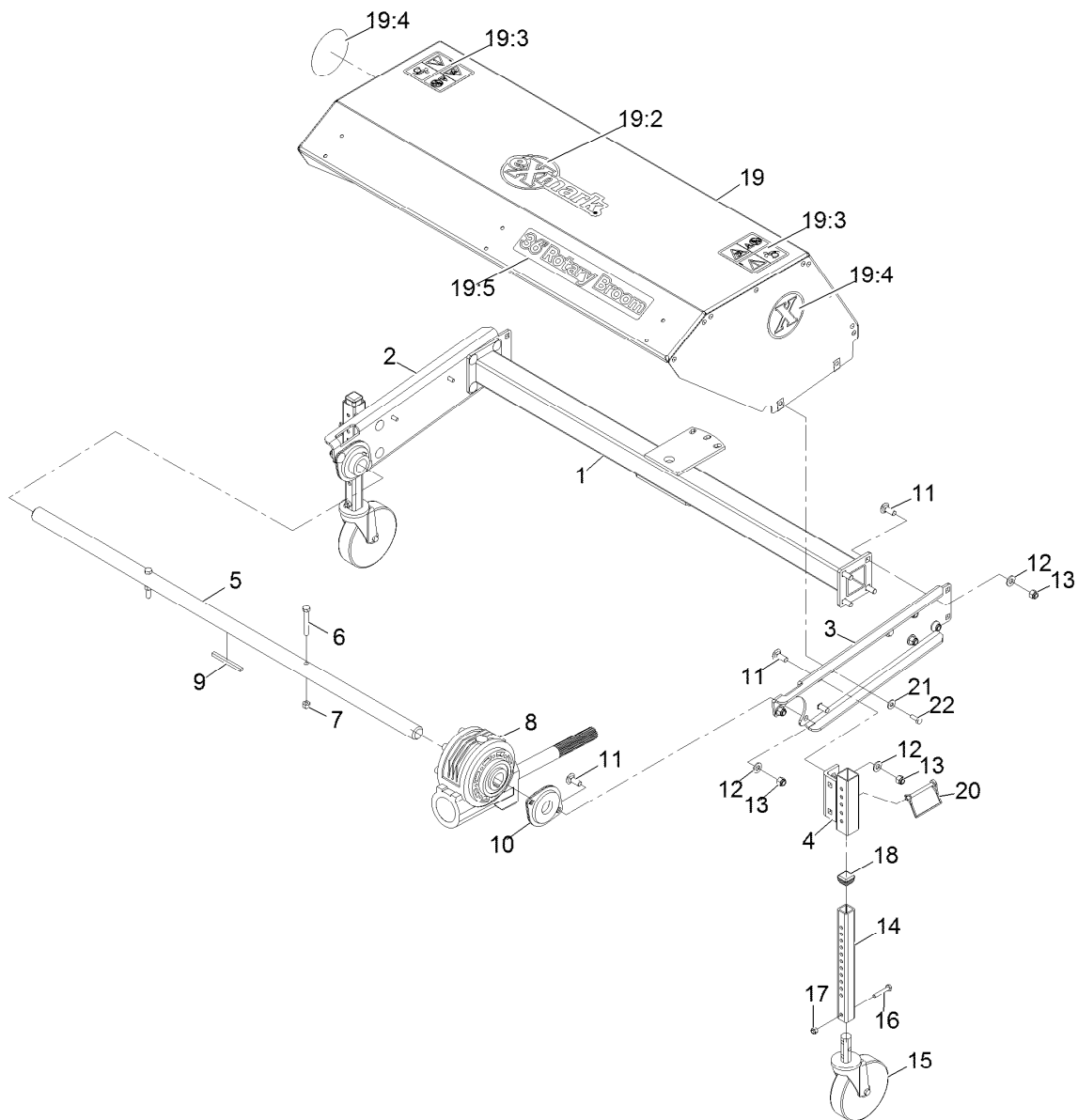
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Mounting Assembly

Ref.	Part Number	Qty.	Description
1	116-8122	1	Frame-Mounting, Broom W/Decal
1:1	112-9028	1	Decal-Cover Missing
1:2	115-2903	2	Decal-Grease (Ce)
2	116-8103	2	Bearing-.75 Shaft
3	3230-1	4	Bolt-Carriage 5/16-18 X 3/4
4	32128-20	4	Nut-Whizlock 5/16-18
5	116-8104	1	Driveline-Series 7, .75 Keyd 1-15 Spln
6	116-8105	1	Key-Round End, .188 Sq X 1.000

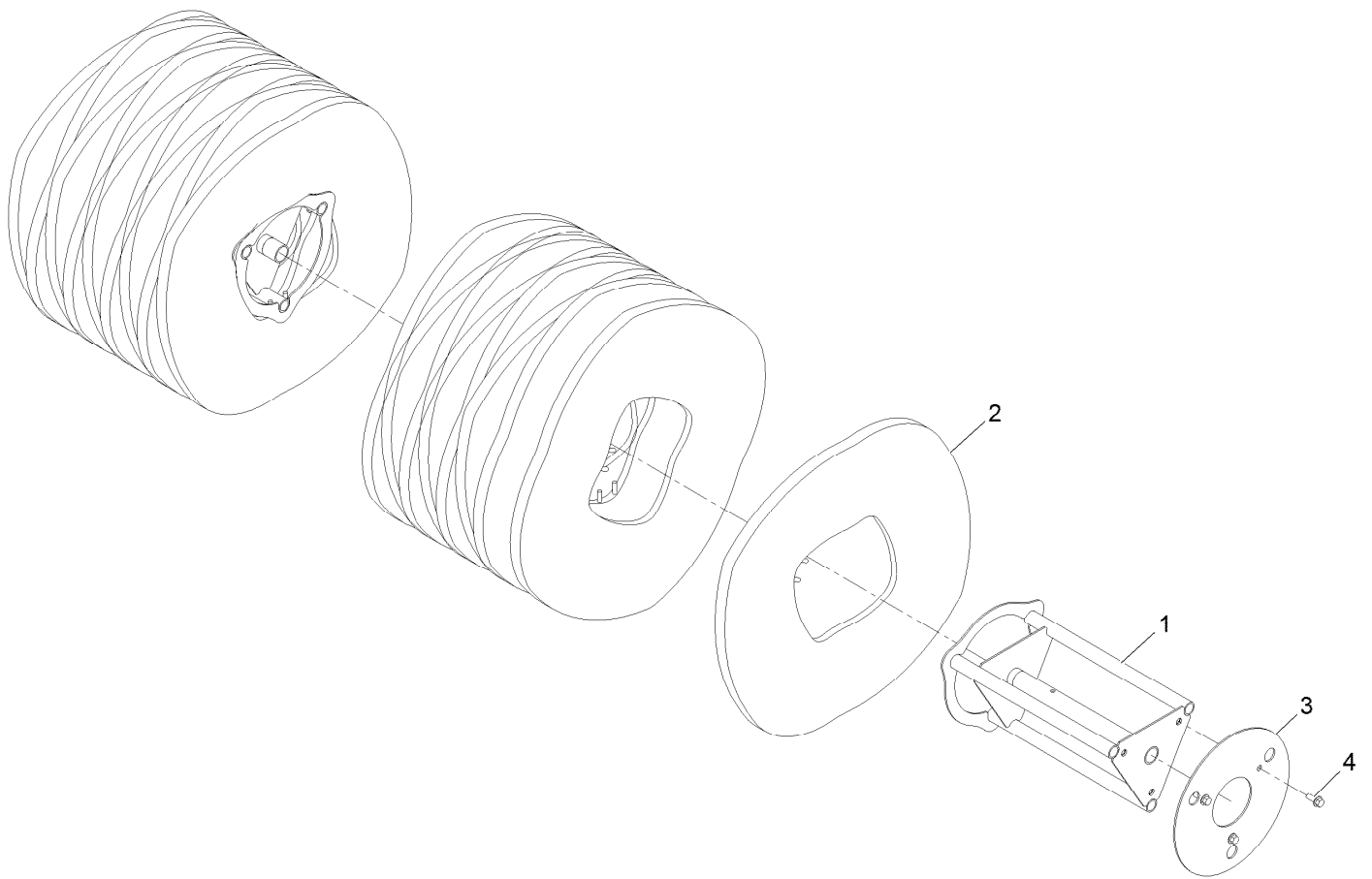
Ref.	Part Number	Qty.	Description
7	116-7930	1	Pulley - Impeller
8	3256-8	1	Washer
9	3216-7	1	Screw-HH 3/4-16 X 3 3/4
12	116-8106	1	Pin-Swing
13	116-8107	1	Spring-Compression, .51 Od X 3.5 Lng
14	3290-496	6	Nut-Retainer
15	302-19	1	Zerk-1/4-28 Str
16	116-7671	1	Cable-Broom Angle
17	3217-26	1	Nut-Hex
18	116-8108	1	Cap, Vinyl



Broom Head Assembly

Ref.	Part Number	Qty.	Description
1	116-8544	1	Frame-3Ft, M-B Broom
2	116-8546	1	Arm-Right, M-B Broom
3	116-8545	1	Arm-Left, M-B Broom
4	116-8543	2	Caster-Bracket, M-B Broom
5	116-8114	1	Shaft, 3Ft M-B Broom
6	322-11	2	Screw-HH 5/16-18 X 2 1/4
7	3296-29	2	Nut-Nyloc 5/16-18
8	116-8115	1	Gearbox-Worm, 8.25-1
9	83-2800	1	Key-Straight
10	116-8116	2	Bearing, 1.13 In Shaft Flange
11	3231-2	16	Bolt-Carriage 3/8-16 X 1
12	3256-24	16	Washer-3/8 Sae
13	3296-39	16	Nut-Nyloc 3/8-16

Ref.	Part Number	Qty.	Description
14	116-8223	2	Tube-Square, Height Adjust
15	116-8117	2	Caster Wheel, 5 In
16	321-9	2	Screw-HH 1/4-20 X 1 1/2
17	3296-42	2	Nut-Nyloc 1/4-20
18	103-3202	2	Cap
19	116-8123	1	Hood-Broom, 3Ft W/Decals
19:2	1-653546	1	Decal, Exmark Logo
19:3	116-8140	2	Decal-Warning Fly Obj-Entanglement
19:4	116-7034	2	Decal-Exmark X-Logo 3.85
19:5	116-9227	1	Decal-36 Rotary Broom
20	116-8224	2	Pin, Wire Lock 1/4 X 2-1/4
21	3256-2	4	Washer-1/4 Std
22	321-4	4	Screw-HH 1/4-20 X 3/4



Core Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-8119	2	Core, Broom 3Ft
2	116-8120	18	Segment-Poly, 10X25 Conv Black
3	116-8121	2	Plate-End, Retainer
4	3234-11	6	Screw-HH Flg 3/8-16 X 1

Attachments and Accessories

For BR270KC36 36 INCH ROTARY BROOM

Product Name	Model/Part
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
Yellow Turf Wafers	116-8233
Light Kit.....	116-8234

Notes:

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.

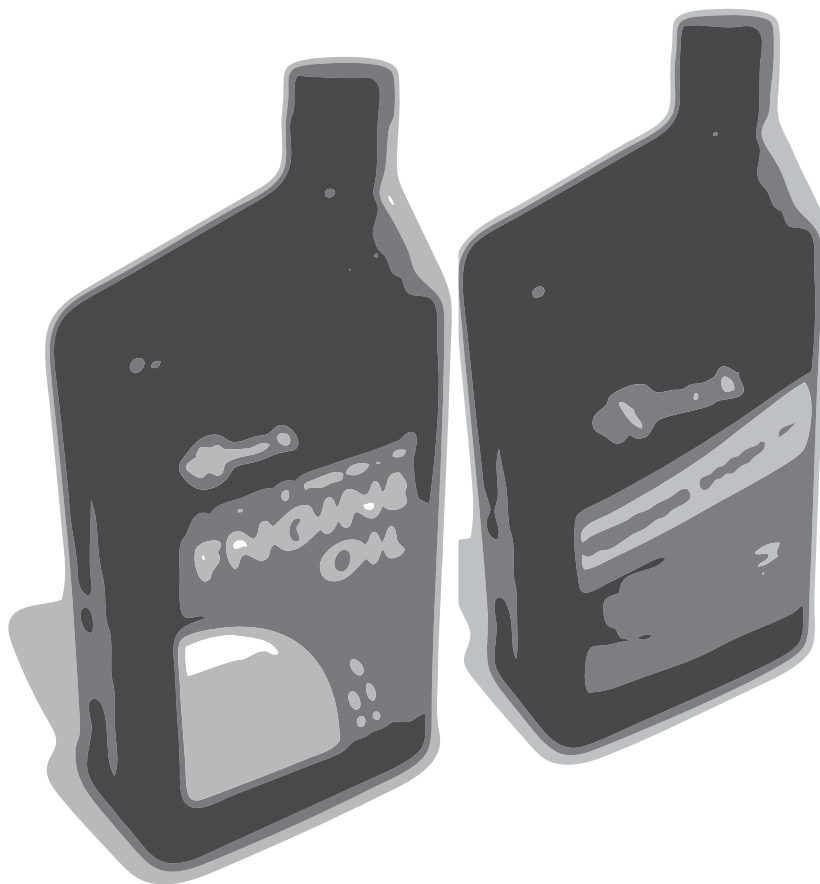
PREMIUM HYDRO OIL

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

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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