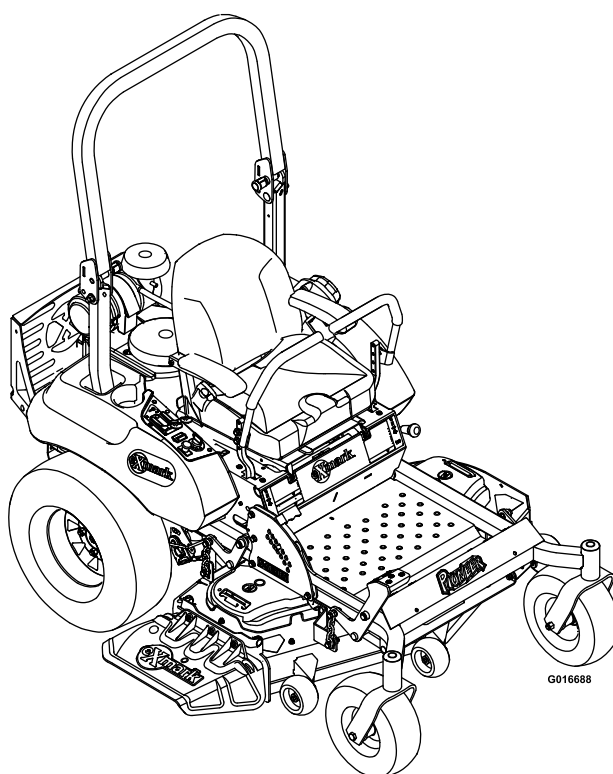




PIONEER S-SERIES

Model No. PNS680KC523—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

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

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: Liquid Propane

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.

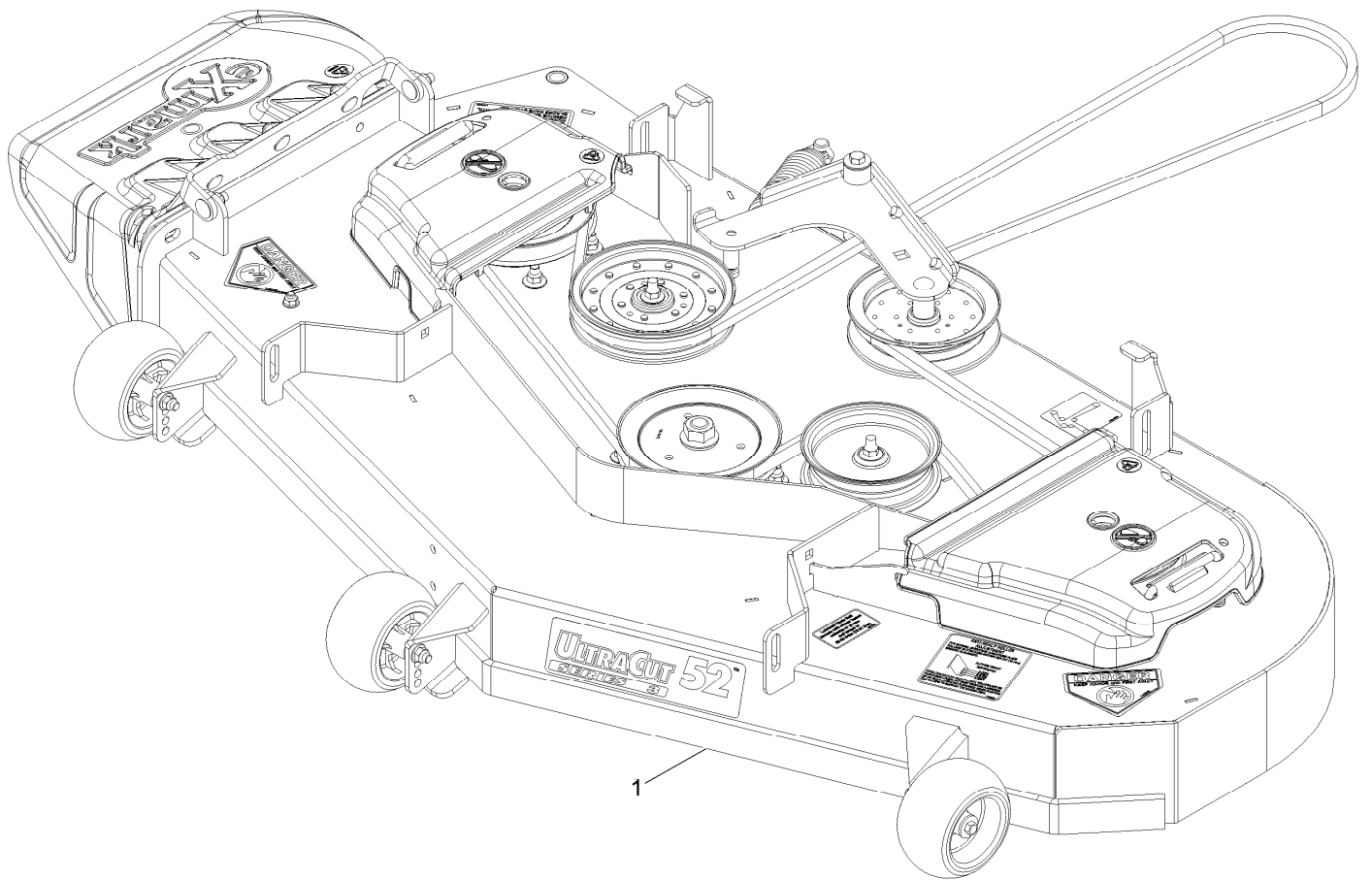
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

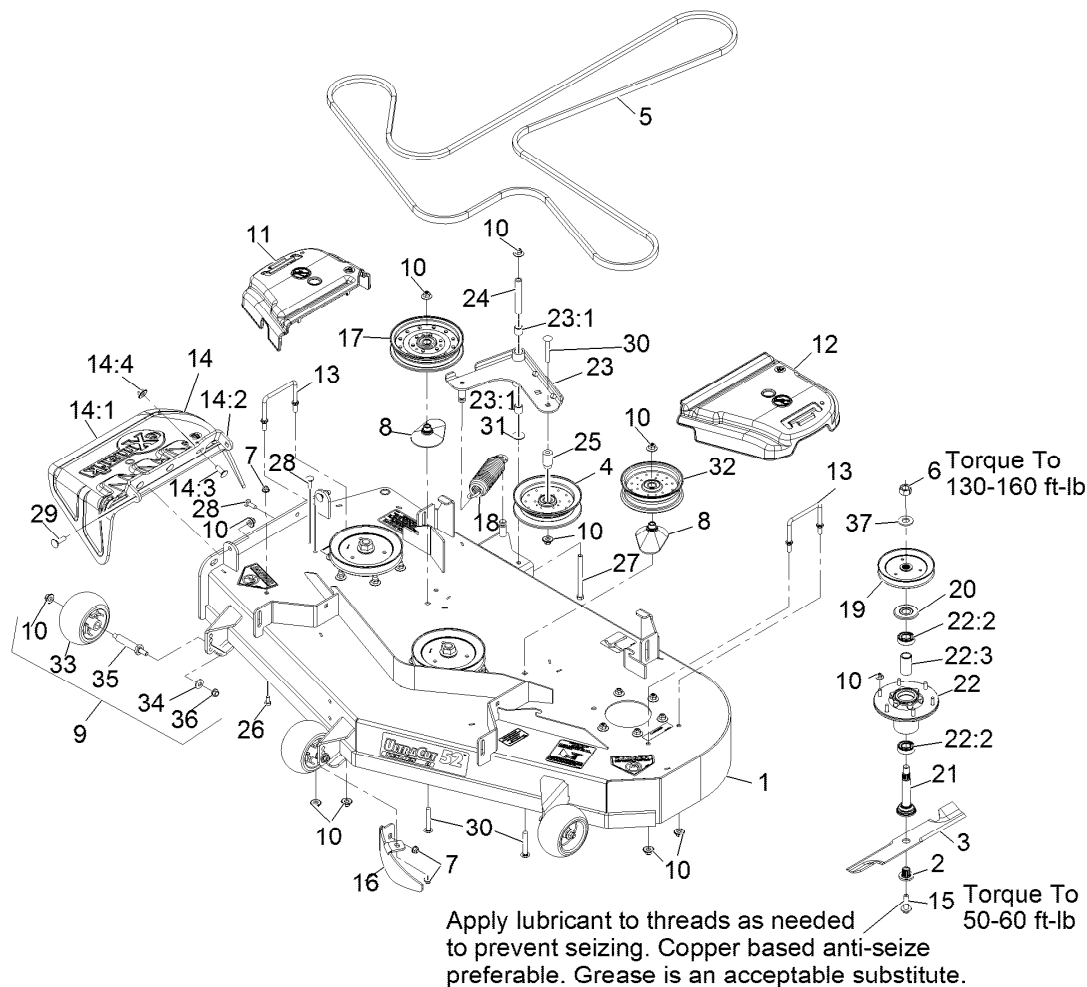
Contents

Complete Deck Assembly No. 116-4812	4
Deck Assembly	5
Deck W/Decals Assembly No. 116-3196	6
Mainframe Assembly	7
Mainframe W/Decals Assembly No. 116-6831	8
Caster Wheel Assembly No. 103-5189.....	9
Roll-Over Protection System Assembly No. 116-3498.....	10
Deck Lift Assembly.....	11
Motion Control Assembly	12
Motion Control Assembly - LH	13
Motion Control Assembly - RH.....	14
Seat Assembly	15
Seat W/Tracks Assembly No. 116-6192.....	16
Controls Assembly	17
Fuel Tank Mounting Assembly	18
Fuel Tank Assembly No. 116-4610	19
Engine Assembly	20
Hydraulic Assembly	21
Transaxle Assembly.....	22
Electrical Assembly	23



Complete Deck Assembly No. 116-4812

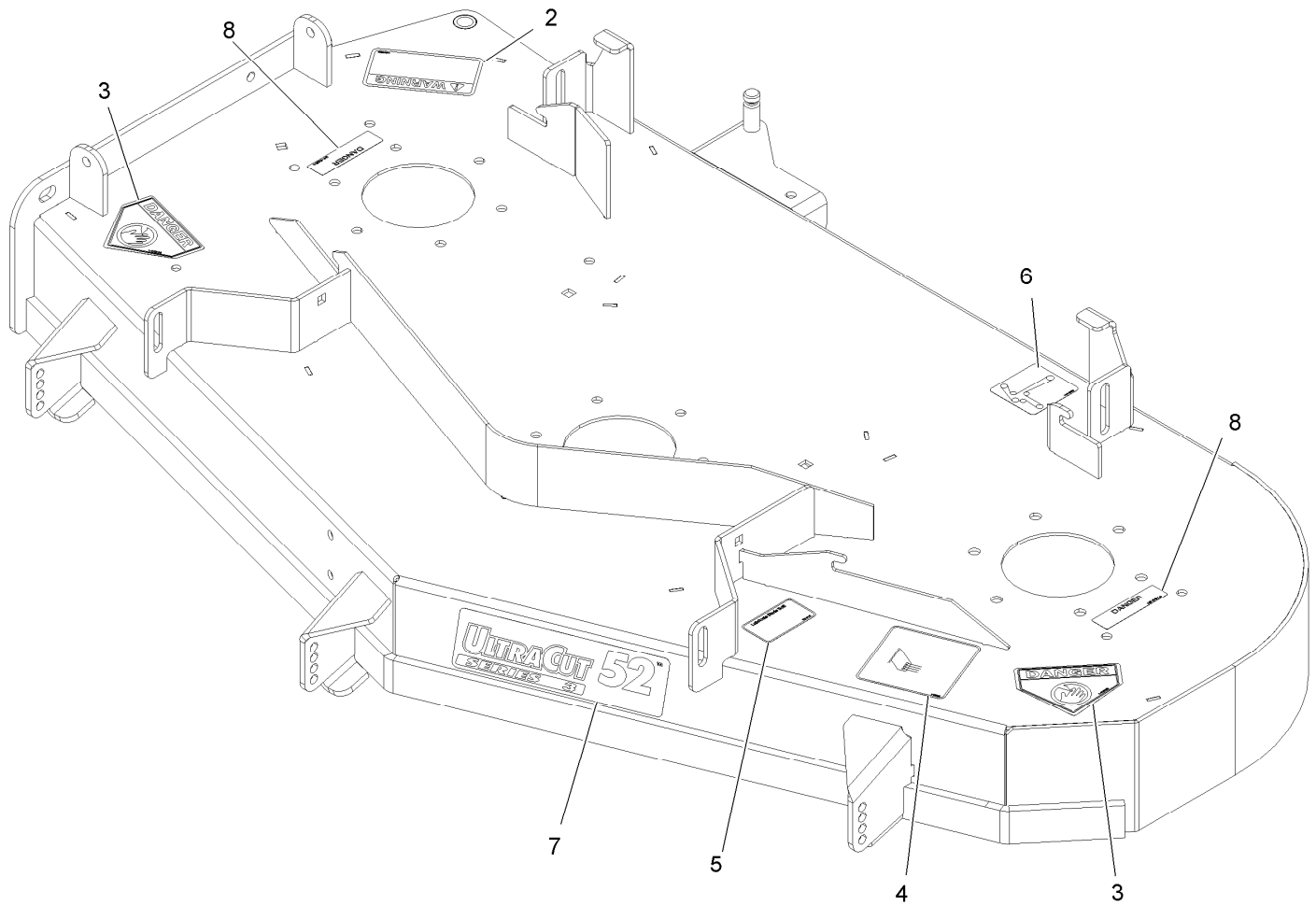
Ref.	Part Number	Qty.	Description
1	116-4812	1	ASM-Deck Complete 523



Deck Assembly

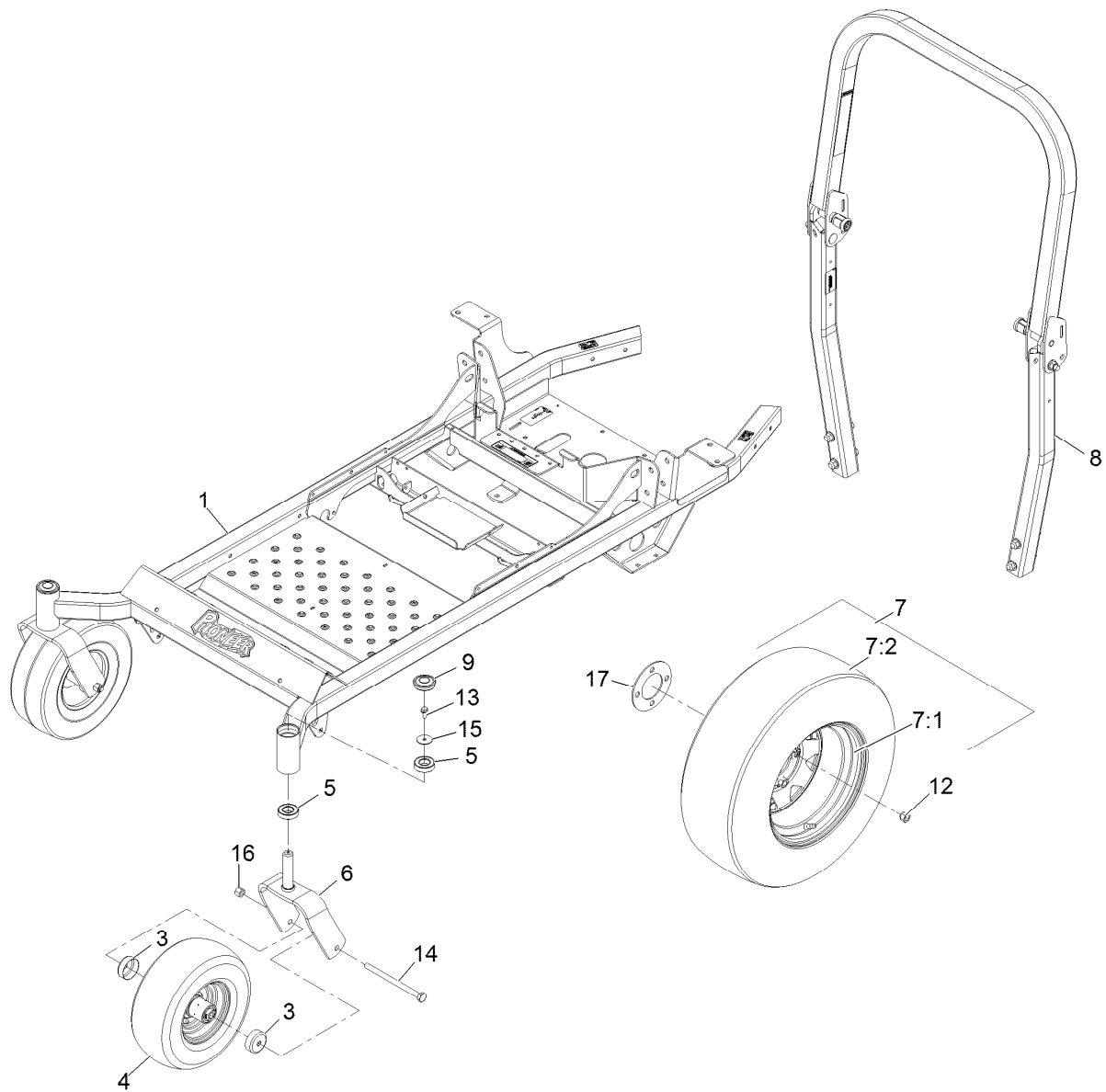
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-3196	1	ASM-Deck W/Decals, 52	17	116-4670	1	Pulley-Idler, Flat
2	103-3037	3	Bushing, Splined	18	116-6317	1	Spring-Extension
3	116-5175	3	Blade-Extreme 2, 18.00"	19	116-0675	3	Sheave, Blade Drive 6.50
3	103-6402	3	Blade-Notched	20	116-1286	3	Guard, Bearing Top .989
3	103-6382	3	Blade, Solid 18.0 (.94 Hole)	21	116-3342	3	ASM-Spindle And Seal
3	103-6387	3	Blade, Low Lift 18.0 (.94 Hole)	22	116-3344	3	ASM-Cutter Hsg With Bearings
3	103-6392	3	Blade, Mulch 18.0 (.94 Hole)	22:2	116-0720	2	Bearing-Ball
4	116-4668	1	Idler-Pulley, Flanged	22:3	116-3312	1	Spacer-Bearing
5	103-9273	1	Belt-B162.50	23	116-4693	1	ASM-Idler Arm
6	116-7306	3	Nut-Hex	23:1	1-513034	2	Sleeve-Bearing
7	104-8300	3	Nut-Nyloc 5/16-18 Flg	24	116-5111	1	Bushing
8	109-2872	2	Spacer-Pulley	25	116-4714	1	Bushing-Idler
9	103-4051	3	Kit, Anti-Scalp Roller	26	322-2	1	Screw-HH 5/16-18 X 5/8
10	109-6658	31	Nut-Nyloc 3/8-16 Flg	27	323-23	1	Screw-HH 3/8-16 X 4-1/2
11	109-6935	1	Cover-Belt, RH	28	3230-2	2	Bolt-Carriage 5/16-18 X 1
12	109-6936	1	Cover-Belt, LH	29	3231-25	2	Bolt-Carriage 3/8-16 X 1 1/4
13	109-6982	2	Wireform-Cover	30	3231-44	3	Bolt-Carriage 3/8-16 X 2 1/2
14	109-7188	1	ASM, Discharge Chute	31	52-2860	1	Washer
14:1	109-2738	1	Chute, Discharge	32	116-4669	1	Idler-Pulley, Flat
14:2	109-8675-01	1	Bracket, Discharge Chute	33	1-603299	3	Roller-Scalp, Anti
14:3	3231-22	3	Bolt-Carriage 3/8-16 X 1	34	98-5975	3	Washer-Spring Disc 3/8
14:4	109-6658	3	Nut-Nyloc 3/8-16 Flg	35	99-2842	3	Spacer
15	109-9220	3	Screw-Sems 1/2-20 X 2.19	36	3290-357	3	Nut-Whizlock 3/8-16
16	116-5835-01	1	Baffle-Dogleg, Lze-Pns-52	37	103-2802	3	Washer

● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.



Deck W/Decals Assembly No. 116-3196

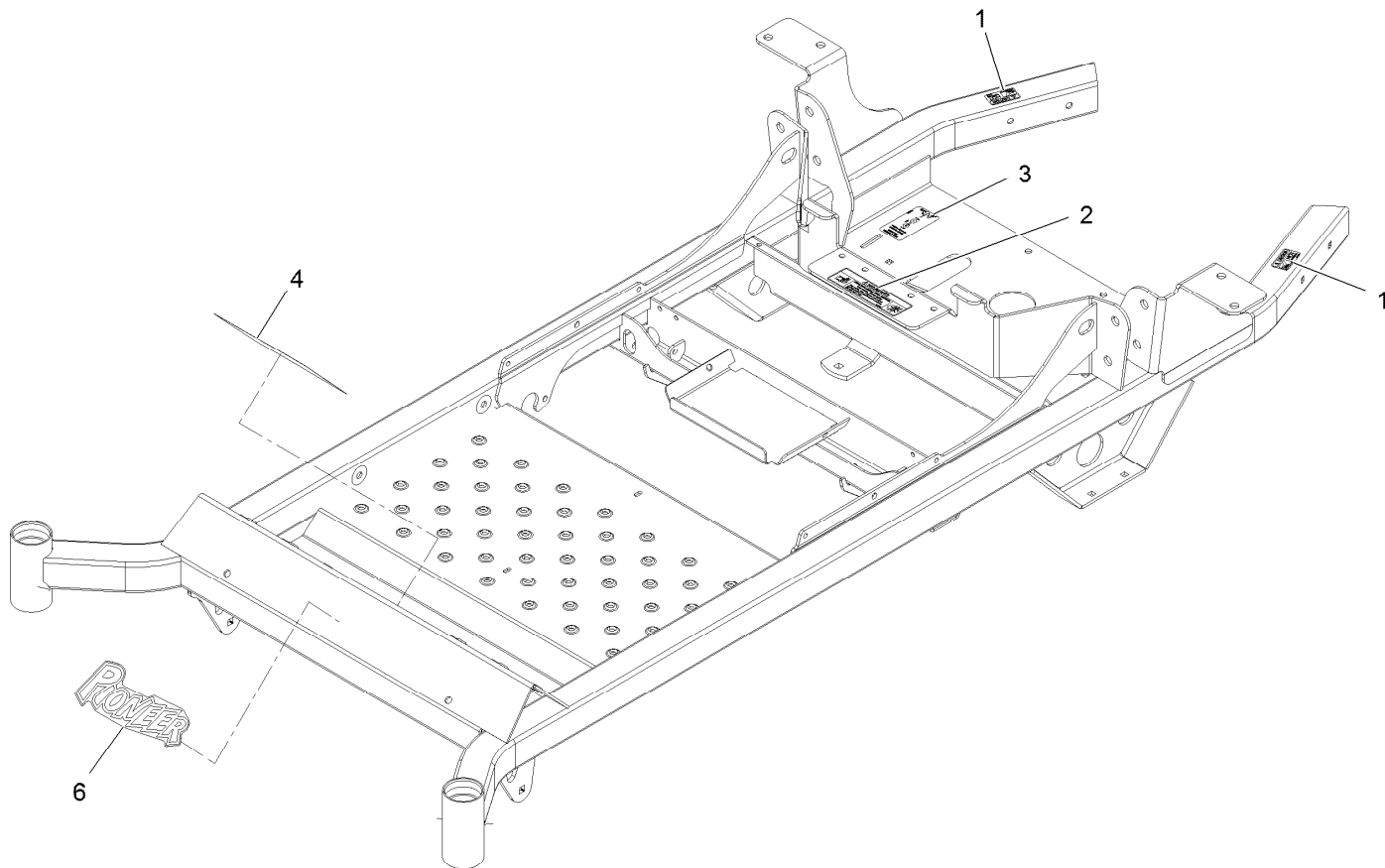
Ref.	Part Number	Qty.	Description
2	1-303508	1	Decal-Warning, Discharge
3	1-403005	2	Decal-Danger
4	1-633922	1	Decal,Antiscalp
5	109-3148	1	Decal,Bolt Torque
6	109-6035	1	Decal-Belt Routing
7	116-4699	1	Decal-Ultracut 52 Series 3
8	98-5954	2	Decal-Cover, Missing



Mainframe Assembly

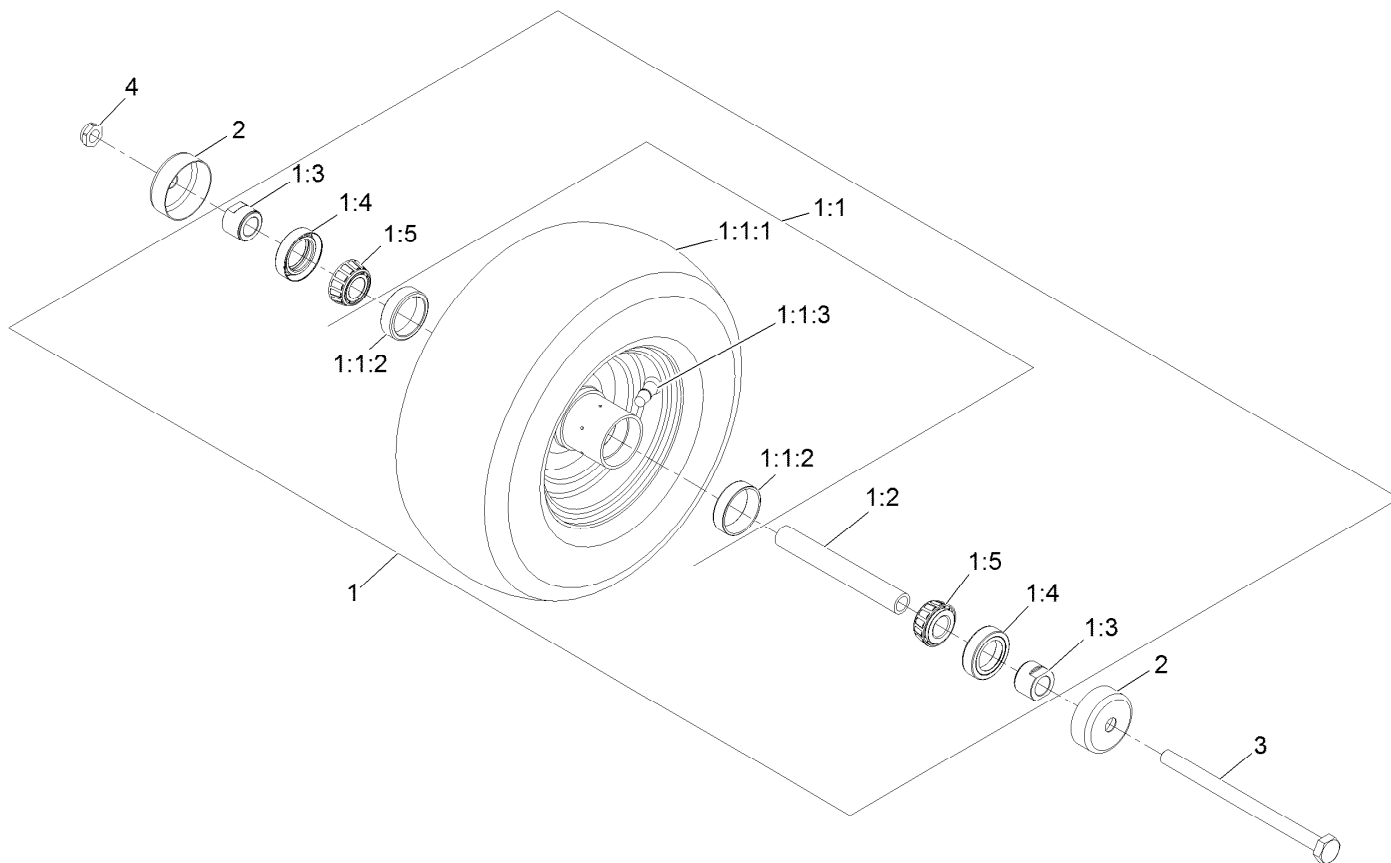
Ref.	Part Number	Qty.	Description
1	116-6831	1	Frame ASM-48-52
3	103-2768	4	Guard-Seal
4	103-5189	2	ASM, Wheel & Tire W/ Axle
5	109-3678	4	Bearing-Ball
6	116-0611-01	2	Wld,Caster Fork
7	116-3166	2	ASM,Wheel And Tire 22 X 9.50 - 12
7:1	116-3167	1	Wheel
7:2	116-1948	1	Tire

Ref.	Part Number	Qty.	Description
8	116-3498	1	ASM-ROPS Pioneer
9	116-4348	2	Cap-Grease
12	242-50	8	Nut-Lug 1/2-20
13	3234-5	2	Screw-HH Flg 5/16-18 X 3/4
14	325-36	2	Screw-HH 1/2-13 X 7 1/2
15	3256-68	2	Washer-Flat
16	3296-23	2	Nut-Nyloc 1/2-13
17	116-5362	2	Spacer-Wheel



Mainframe W/Decals Assembly No. 116-6831

Ref.	Part Number	Qty.	Description
1	103-2076	2	Decal-Caution
2	116-1119	1	Decal,Belt Drive
3	116-6363	2	Decal-Drive Release
4	116-3303	1	Decal-Slope
6	116-4570	1	Decal-Pioneer Logo

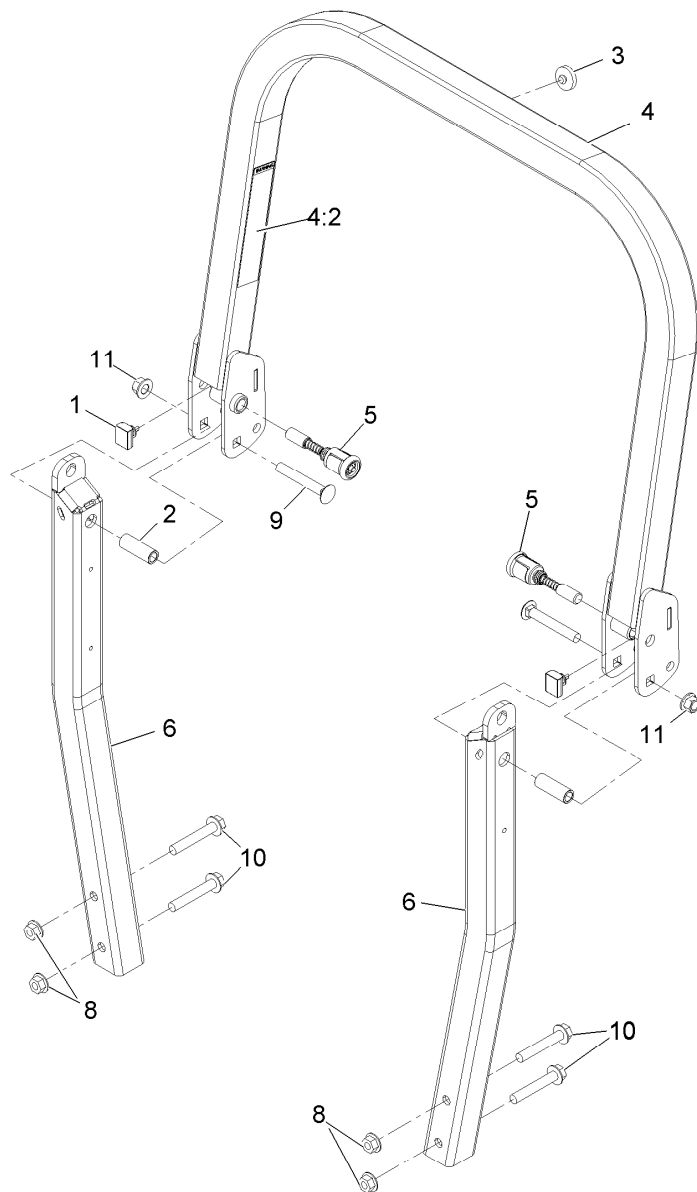


Caster Wheel Assembly No. 103-5189

Ref.	Part Number	Qty.	Description
1		1	ASM, Wheel And Brg 13X5.00-6 ●
1:1		1	ASM, Wheel And Tire 13X5.00-6 ●
1:1:1	1-633002	1	Tire
1:1:2	1-633584	2	Bearing-Cup
1:1:3	5108	1	Valve
1:2	103-3155	1	Axle-Caster
1:3	103-3051	2	Spacer-Nut ■
1:4	103-0063	2	Seal-Double Lip
1:5	1-633585	2	Bearing-Cone Tapered Roller
2	103-2768	2	Guard-Seal
3	325-36	1	Screw-HH 1/2-13 X 7 1/2
4	3296-45	1	Nut-Nyloc 1/2-13 Thin

● Not serviced separately

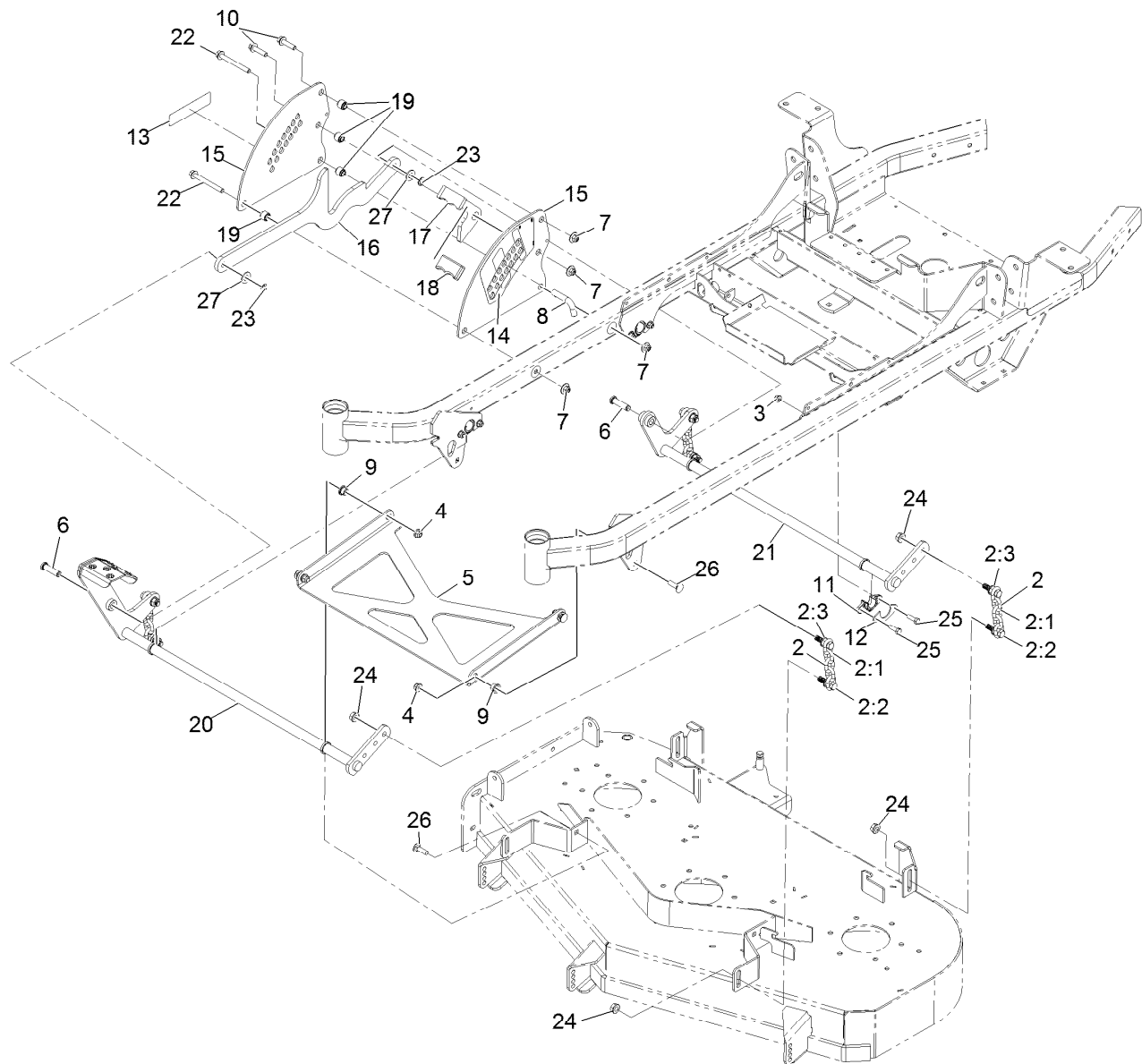
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Roll-Over Protection System Assembly No. 116-3498

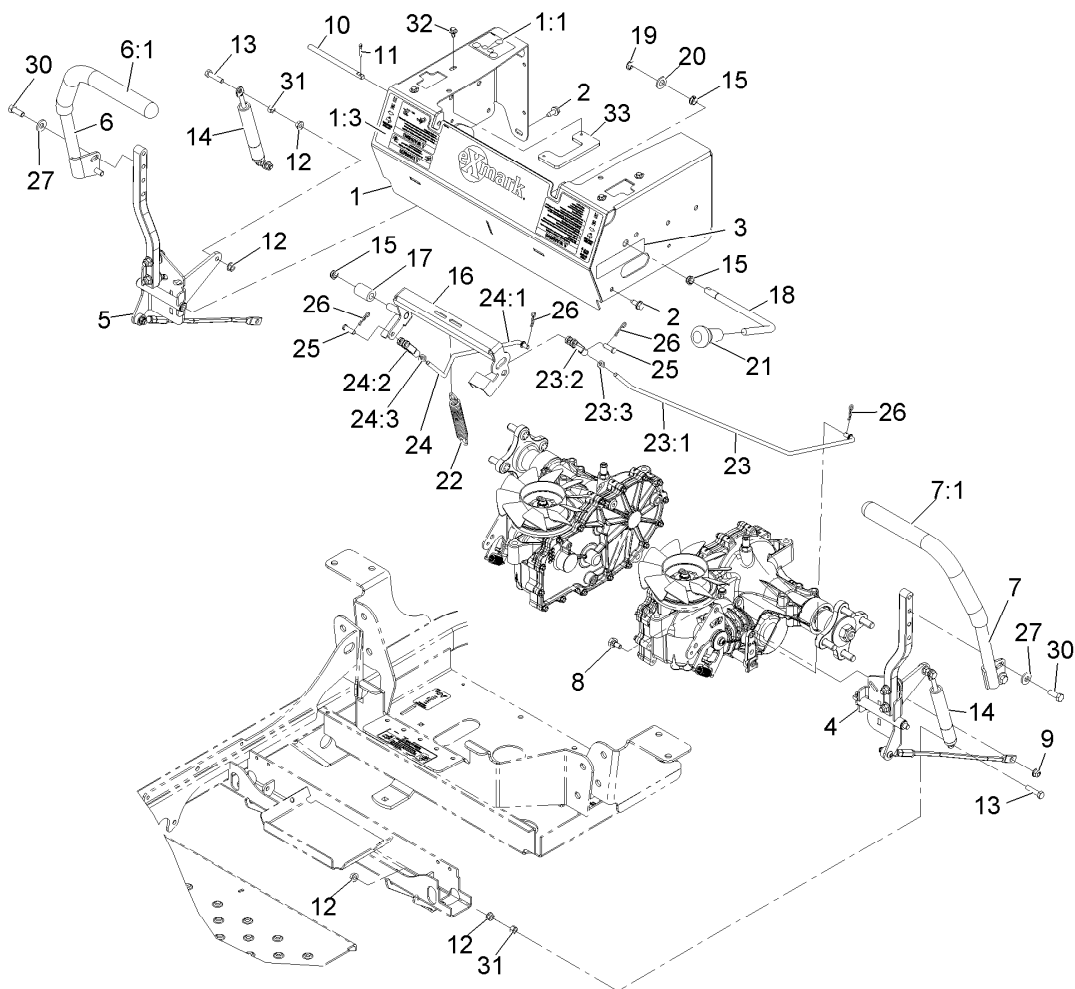
Ref.	Part Number	Qty.	Description
1	109-5337	2	Bumper-ROPS
2	109-6653	2	Spacer
3	109-9233	1	Bumper-Push-In, Rubber
4	116-0019	1	Upper ROPS ASM
4:2	107-2102	1	Decal-Warning, Folding ROPS
5	116-0104	2	Spring Pin ASM
6		2	ASM-Lwr ROPS Leg ●
8	32128-49	4	Nut-Whizlock 1/2-13
9	3233-10	2	Bolt-Carriage 1/2-13 X 3 1/2
10	3234-40	4	Screw-HF
11	99-5107	2	Nut-Lock 1/2-13

● Not serviced separately



Deck Lift Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	103-9817	4	Deck Chain ASM	13	116-3884	1	Decal-S-Series
2:1	1-633447	1	Chain-Lift, Deck	14	116-4308	1	Decal-Height Of Cut
2:2	103-1898	2	Screw-HH 7/16-20 X 1-5/8 Sp	15	116-4309-03	2	Plate,Deck Lift
2:3	32128-37	2	Nut-Whizlock 7/16-14	16	116-4310-03	1	Link-HOC
3	104-8300	8	Nut-Nyloc 5/16-18 Flg	17	116-4311	1	Transport Lock-HOC
4	104-8301	4	Nut-Nyloc 3/8-16 Flg	18	116-4312	1	Grip-3/8 X 1 Flat Bar
5	109-3723-01	1	Strut-Deck	19	116-4313	4	Spacer-Double Step
6	109-5819	2	Pin-Clevis	20	116-6011-03	1	Wld-Deck Lift Shaft Frt
7	109-6658	4	Nut-Nyloc 3/8-16 Flg	21	116-6012-03	1	Wld-Deck Lift Shaft Rr
8	116-5584	1	Pin-HOC	22	116-4701	2	Screw-HHF
9	109-8788	4	Bushing-Flanged	23	32120-47	2	Ring-Retaining
10	114-4681	2	Screw-HHF	24	32128-37	8	Nut-Whizlock 7/16-14
11	115-5065	4	Bushing-Flange	25	322-5	8	Screw-HH 5/16-18 X 1
12	116-2887	4	Gusset-Deck Lift	26	3231-25	4	Bolt-Carriage 3/8-16 X 1 1/4
				27	3256-26	2	Washer-1/2 Sae

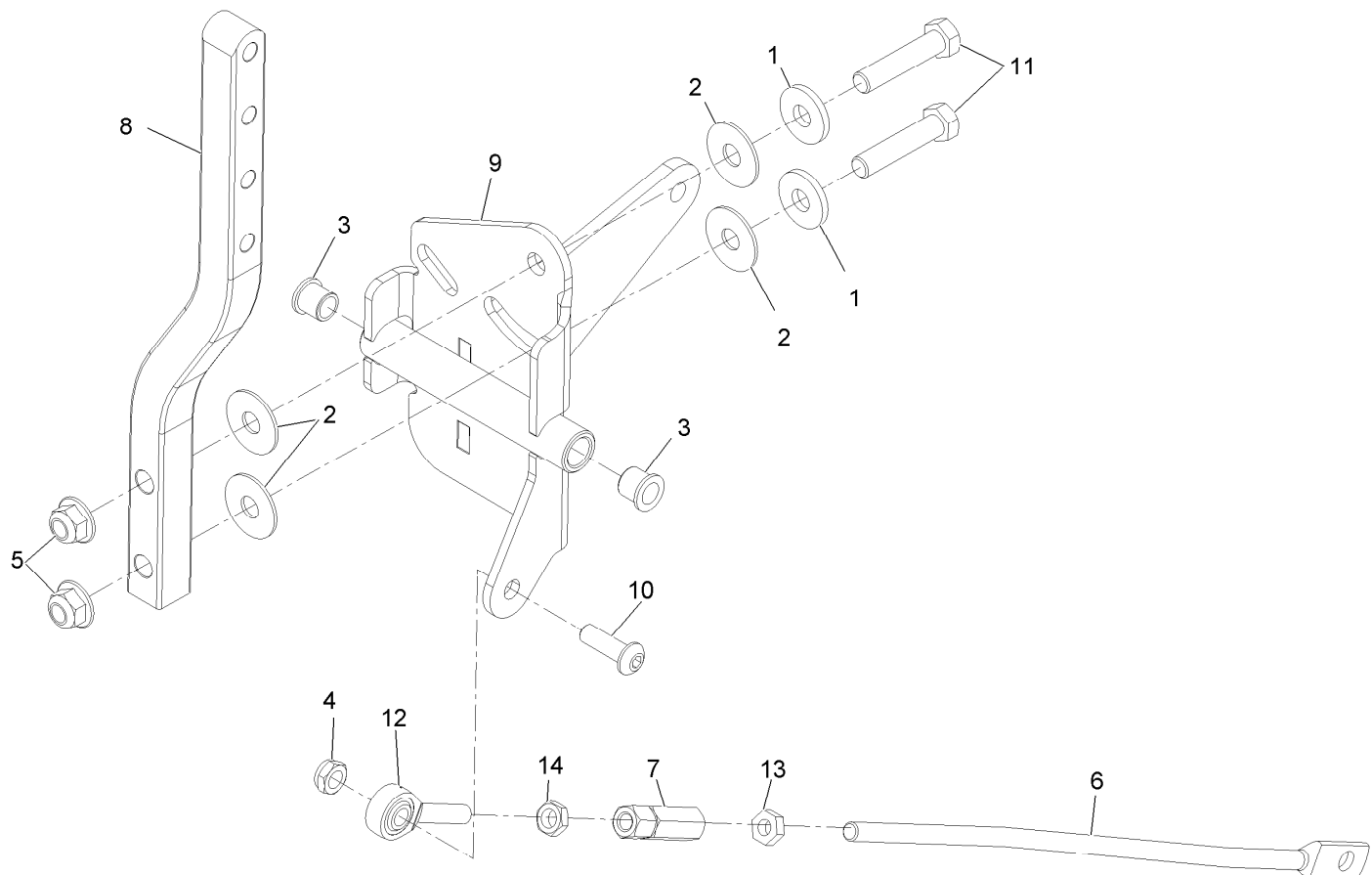


Motion Control Assembly

Ref.	Part Number	Qty.	Description
1	116-3188	1	ASM-Mot Ctrl Frm W/Dcl
1:1	109-6014	1	Decal-Belt Routing
1:3	116-4430	1	Decal-Front Panel
2	32144-70	6	Screw-HWH 5/16-18 X 3/4 Tf
3	116-3884	1	Decal-S-Series
4		1	Motion Control ASM-LH ●
5		1	Motion Control ASM-RH ●
6	119-3486	1	RH Handle ASM
6:1	108-6187	1	Grip
7	119-3485	1	LH Handle ASM
7:1	108-6187	1	Grip
8	37-8771	2	Screw-Shoulder 5/16-18 X 5/8
9	104-8300	2	Nut-Nyloc 5/16-18 Flg
10	109-3705	2	Pin-Control Pivot
11	3272-10	2	Pin-Cotter 1/8 X 3/4
12	32128-20	8	Nut-Whizlock 5/16-18
13	1-403180	4	Screw-HH 5/16-18 X 1 1/4 Sp
14	109-5957	2	Damper-Motion Control
15	116-1393	3	Bushing, Snap

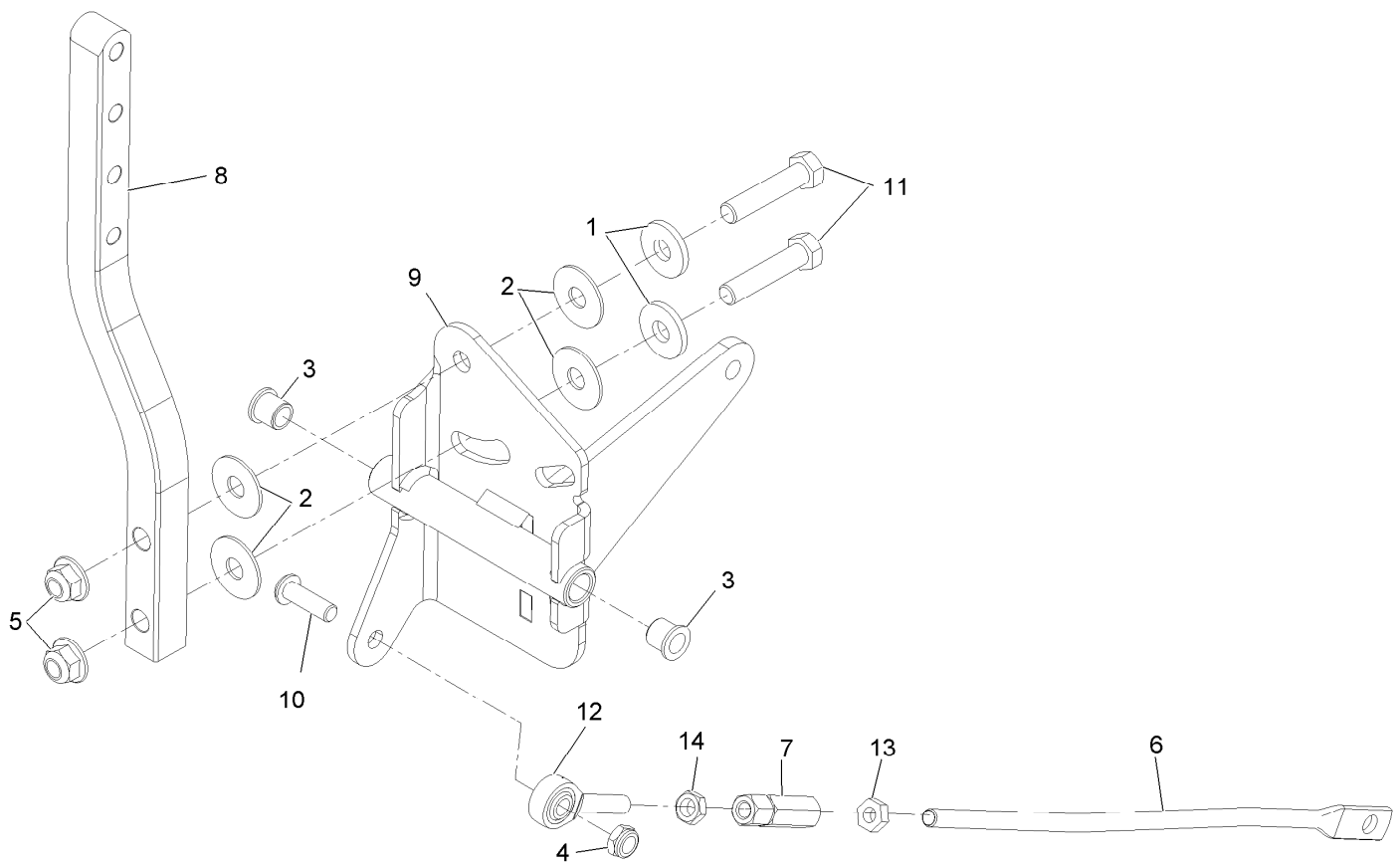
Ref.	Part Number	Qty.	Description
16	116-6233	1	ASM-Brake Center Arm
17	109-5010	1	Spacer
18	116-3155	1	Handle, Brake
19	32120-47	1	Ring-Retaining
20	106-9888	1	Washer-Flat
21	106-7952	1	Knob
22	88-6130	1	Spring-Deck, Engagement
23	116-1165	1	Brake Linkage ASM-LH
23:1	116-1167	1	Linkage, Brake LH
23:2	1-303105	1	Yoke-Adjustable
23:3	3220-2	1	Nut-Jam 5/16-24
24	116-1166	1	Brake Linkage ASM-RH
24:1	116-1168	1	Linkage-Brake, RH
24:2	1-303105	1	Yoke-Adjustable
24:3	3220-2	1	Nut-Jam 5/16-24
25	1-808280	2	Pin-Clevis 5/16 X 1 49/64
26	1-806003	4	Hairpin-Cotter
27	98-5975	4	Washer-Spring Disc 3/8
30	323-6	4	Screw-HH 3/8-16 X 1
31	3217-6	4	Nut-Hex 5/16-18
32	46-8560	4	Screw-HHF 1/4-20 X 1/2
33	109-6214	2	Stop-Motion Control

● Not serviced separately



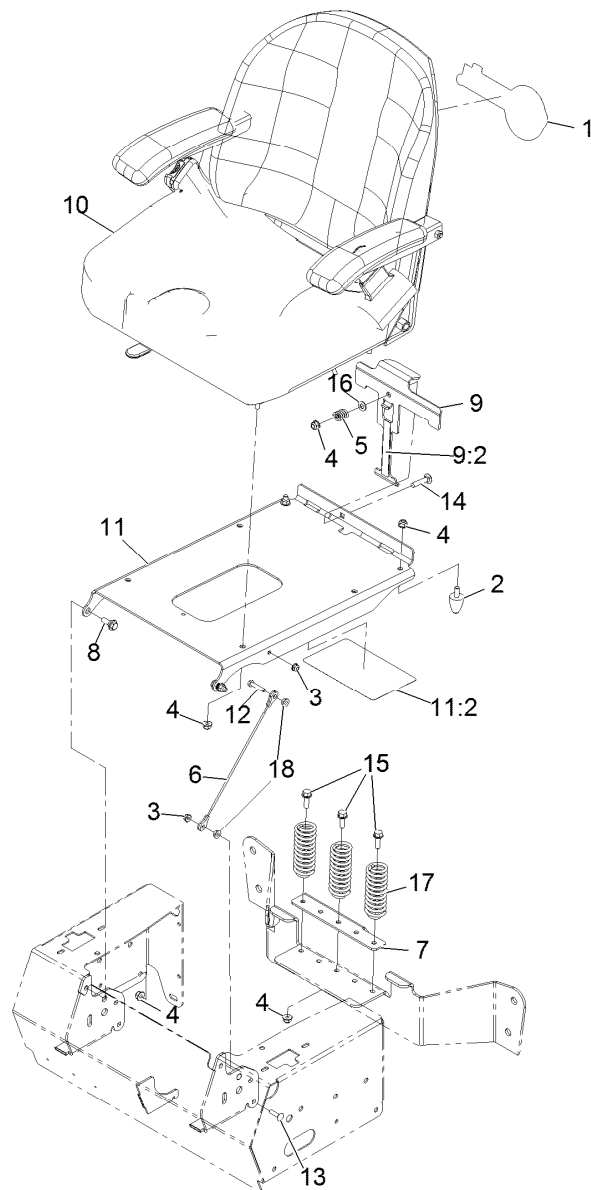
Motion Control Assembly - LH

Ref.	Part Number	Qty.	Description
1	5-0838	2	Washer
2	52-2900	4	Washer-Plastic
3	103-9928	2	Bearing
4	3296-47	1	Nut-Nyloc 5/16-18 Thin
5	104-8301	2	Nut-Nyloc 3/8-16 Flg
6	116-2543	1	Link,Motion Control
7	109-3728	1	Nut-Rod Adjustment
8	116-3183	1	Arm-Motion Control
9	116-3176	1	LH Control Pivot ASM
10	3274-104	1	Screw-Button Head 5/16-18 X 1
11	323-9	2	Screw-HH 3/8-16 X 1 3/4
12	2411-53	1	Balljoint LH
13	3220-2	1	Nut-Jam 5/16-24
14	3220-20	1	Nut-Jam 5/16-24 LH



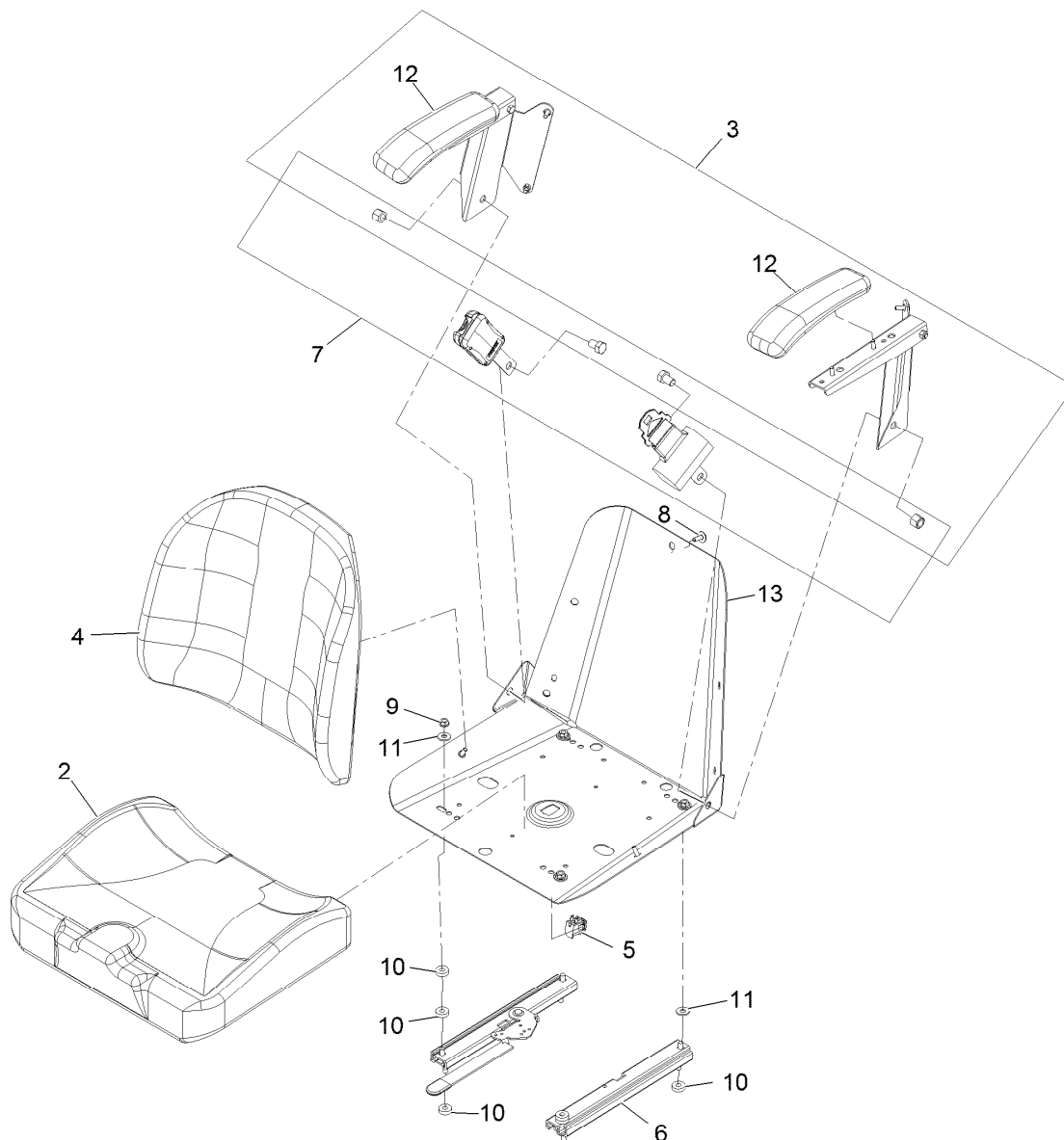
Motion Control Assembly - RH

Ref.	Part Number	Qty.	Description
1	5-0838	2	Washer
2	52-2900	4	Washer-Plastic
3	103-9928	2	Bearing
4	3296-47	1	Nut-Nyloc 5/16-18 Thin
5	104-8301	2	Nut-Nyloc 3/8-16 Flg
6	116-2543	1	Link,Motion Control
7	109-3728	1	Nut-Rod Adjustment
8	116-3183	1	Arm-Motion Control
9	116-3179	1	RH Control Pivot ASM
10	3274-104	1	Screw-Button Head 5/16-18 X 1
11	323-9	2	Screw-HH 3/8-16 X 1 3/4
12	2411-53	1	Balljoint LH
13	3220-2	1	Nut-Jam 5/16-24
14	3220-20	1	Nut-Jam 5/16-24 LH



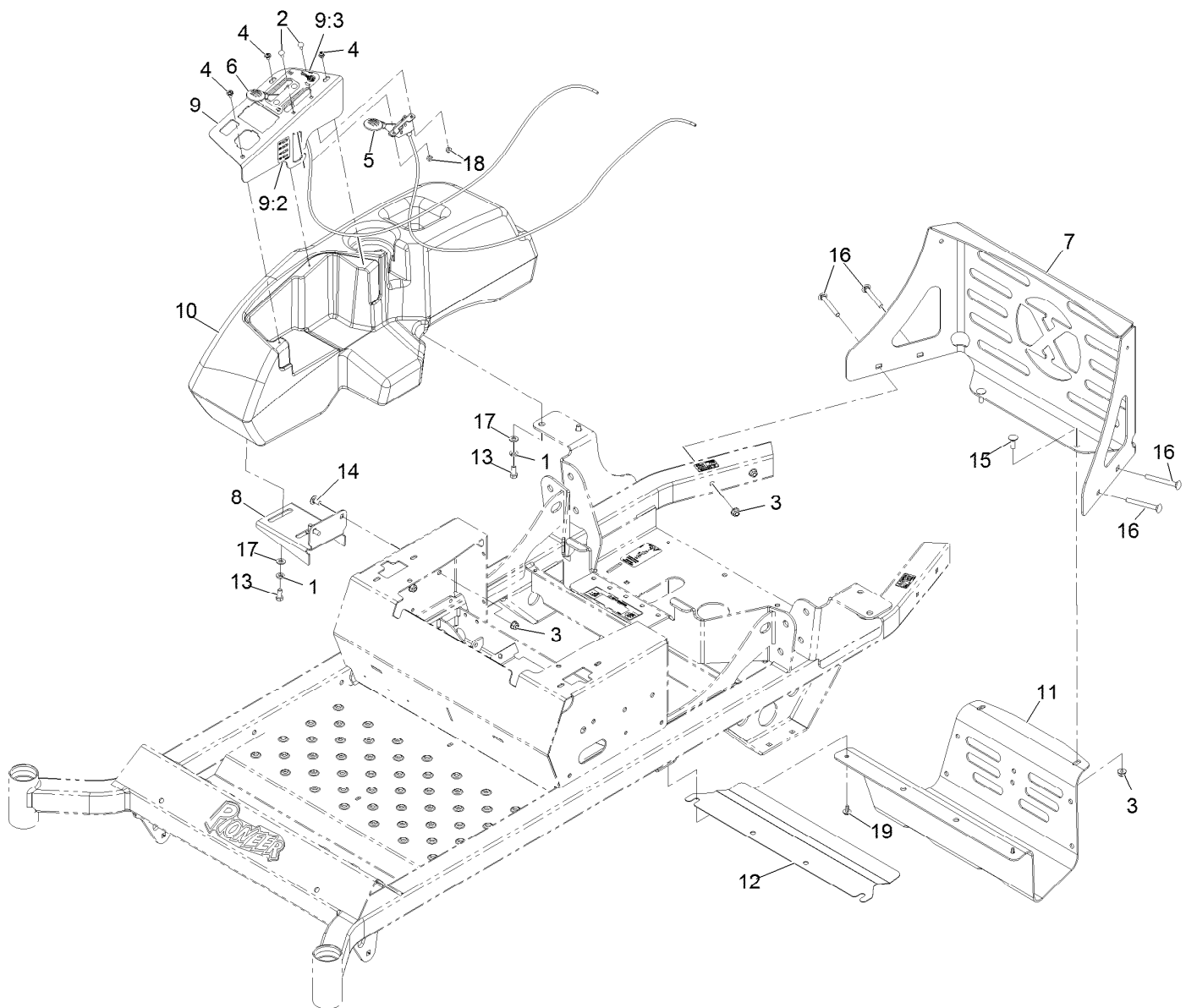
Seat Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	103-2882	1	Decal,Exmark Logo	11	116-4418	1	Plate, Seat W/Decals
2	103-9376	2	Bumper-Seat	11:2	109-6016	1	Decal-Service Aid
3	104-7201	2	Nut-Nyloc 1/4-20 Flg	12	321-8	1	Screw-HH 1/4-20 X 1 1/4
4	104-8300	12	Nut-Nyloc 5/16-18 Flg	13	3229-2	1	Bolt-Carriage 1/4-20 X 1
5	107-3017	1	Spring-Compression	14	3230-4	1	Bolt-Carriage 5/16-18 X 1 1/2
6	109-2628	1	Cable-Stop, Seat	15	3234-29	3	Screw-HH Flg 5/16-18 X 1
7	116-0871	1	Catch,Seat Latch	16	3256-23	1	Washer-5/16 Sae
8	116-1297	2	Screw-Shoulder	17	92-7054	3	Spring-Compression
9	116-3121	1	ASM-Seat Latch	18	32128-33	2	Nut-Whizlock 1/4-20
9:2	116-3120	1	Strip-Poly Wear				
10	116-6192	1	Asm-Seat Service				



Seat W/Tracks Assembly No. 116-6192

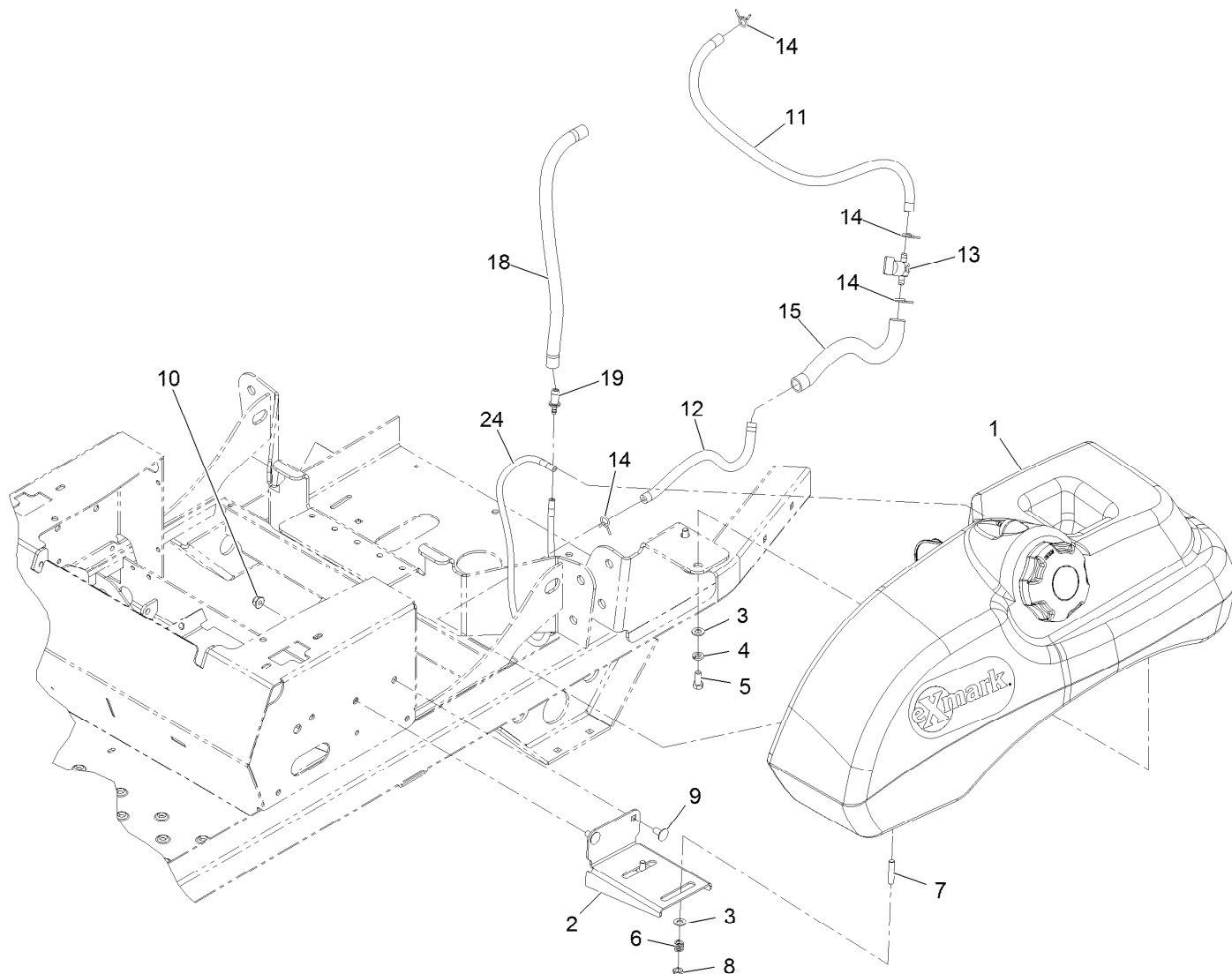
Ref.	Part Number	Qty.	Description
2	116-7329	1	Cushion-Seat Bottom
3	110-5719	1	Armrest Kit
4	116-3738	1	Cushion,Seat Back
5	82-2190	1	Switch
6	1-643255	1	Track-Seat
7	116-2981	1	Seat Belt Kit
8	103-8383	7	Screw-HWH 1/4-20 X 3/4 Taptite
9	32128-20	4	Nut-Whizlock 5/16-18
10	26-4840	8	Spacer-Pin, Mounting
11	3256-3	6	Washer-5/16 Std
12	110-4163	2	Cushion-Rest, Arm
13	116-7496	1	Frame-Seat



Controls Assembly

Ref.	Part Number	Qty.	Description
1	1-805005	4	Washer-Lock 5/16 Heavy
2	1-807513	4	Bolt-Carriage #10-24 X 1/2
3	104-8300	8	Nut-Nyloc 5/16-18 Flg
4	109-2661	3	Screw-PPH #10-24 X 1/2
5	116-4919	1	Control,Throttle
6	109-9147	1	Control-Choke
7	116-3453-03	1	Panel,Rear Guard
8	116-3495-03	1	Bracket-Tank And Fender
9	116-3496	1	ASM,Control Panel W/Decal
9:2	116-1496	1	Decal,Fuse Block
9:3	116-4465	1	Decal-Throttle Choke

Ref.	Part Number	Qty.	Description
10	116-4138	1	Console,RH
11	116-4708-03	1	Guard-Muffler
12	116-6004-03	1	Shield-Heat Deflector
13	322-3	4	Screw-HH 5/16-18 X 3/4
14	3230-18	2	Bolt-Carriage 5/16-18 X 5/8
15	3230-2	2	Bolt-Carriage 5/16-18 X 1
16	3230-9	4	Bolt-Carriage 5/16-18 X 2 3/4
17	3256-23	4	Washer-5/16 Sae
18	3296-2	4	Nut-Nyloc #10-24
19	46-8560	2	Screw-HHF 1/4-20 X 1/2

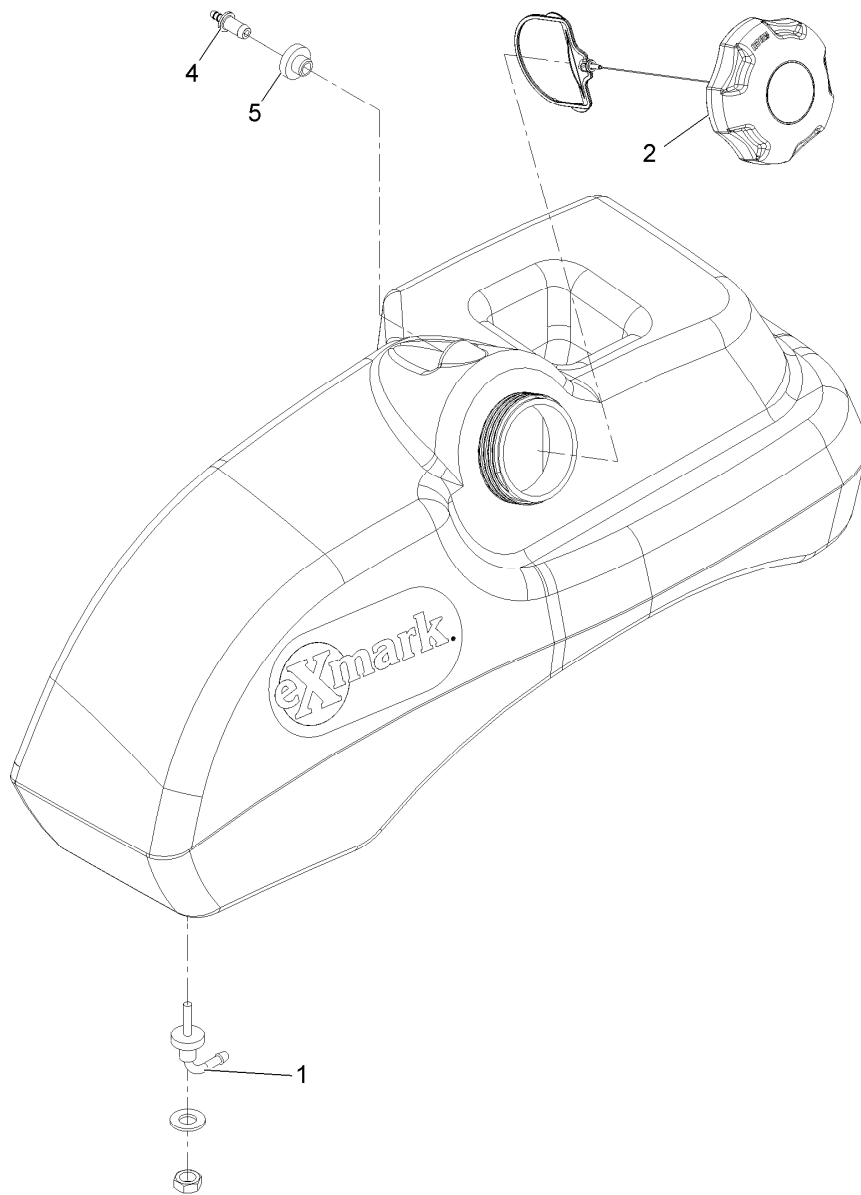


Fuel Tank Mounting Assembly

Ref.	Part Number	Qty.	Description
1	116-4610	1	ASM-Fuel Tank
2	116-3495-03	1	Bracket-Tank And Fender
3	3256-23	4	Washer-5/16 Sae
4	1-805005	2	Washer-Lock 5/16 Heavy
5	322-3	2	Screw-HH 5/16-18 X 3/4
6	1-633349	2	Spring-Compression
7	1-633023	2	Stud-Fuel Tank ●
8	3296-47	2	Nut-Nyloc 5/16-18 Thin
9	3230-18	2	Bolt-Carriage 5/16-18 X 5/8

Ref.	Part Number	Qty.	Description
10	104-8300	2	Nut-Nyloc 5/16-18 Flg
11	109-0301	1	Hose-Fuel
12	109-0282	1	Hose-Fuel
13	1-603770	1	Valve-Fuel
14	1-303077	4	Clamp-Fuel Line
15	116-4515	1	Conduit-Fuel Line
18	116-4344	1	Hose-Fuel
19	116-4630	1	Fitting-Straight Orifice
24	116-4802	1	Hose,Emissions

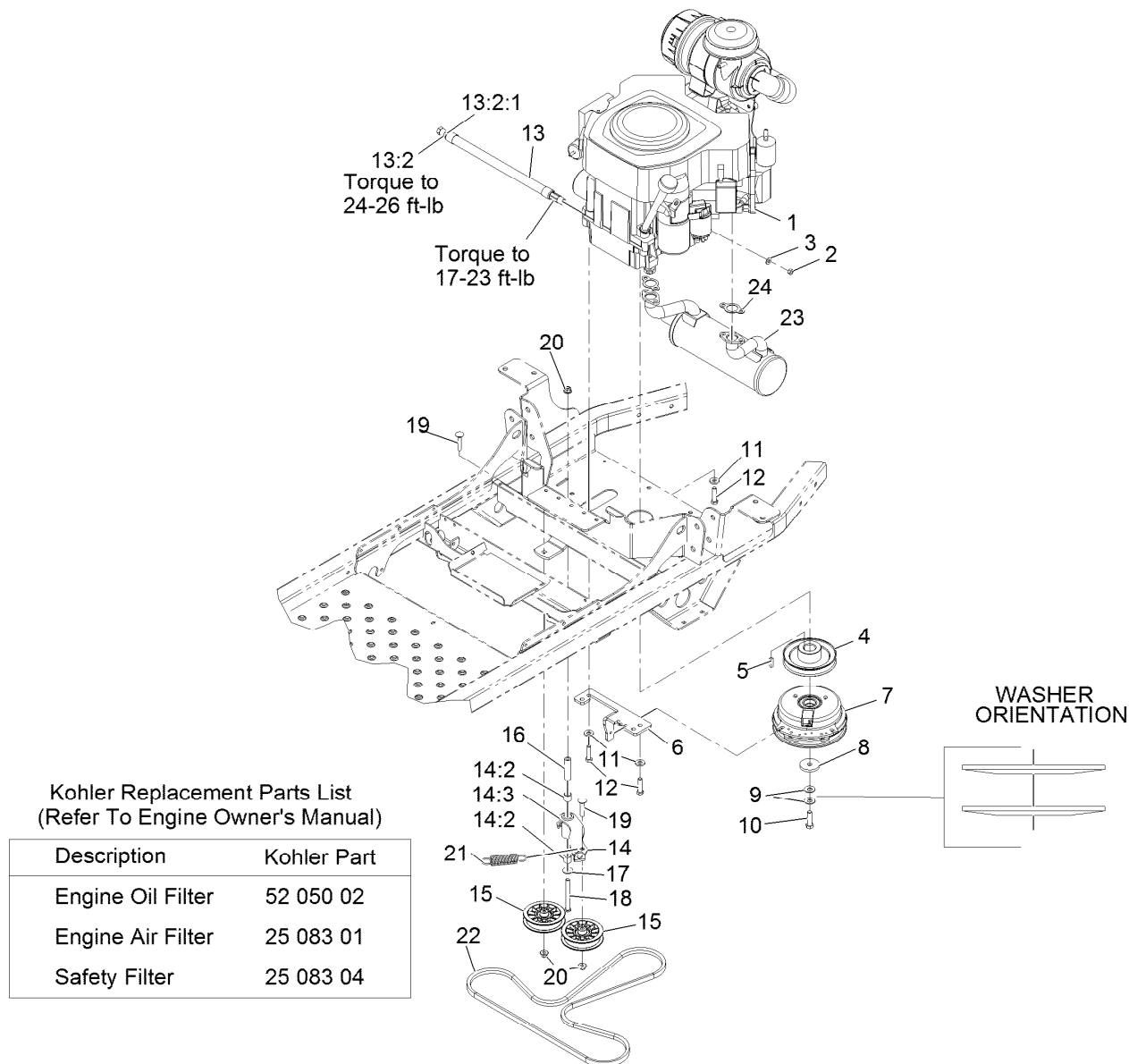
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Fuel Tank Assembly No. 116-4610

Ref.	Part Number	Qty.	Description
1	103-2605	1	Fitting-Fuel Bulkhead W/Strainer ●
2	120-5461	1	Cap-Fuel, Ratcheting
4	116-4630	1	Fitting-Straight Orifice
5	46-6560	1	Bushing

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



Engine Assembly

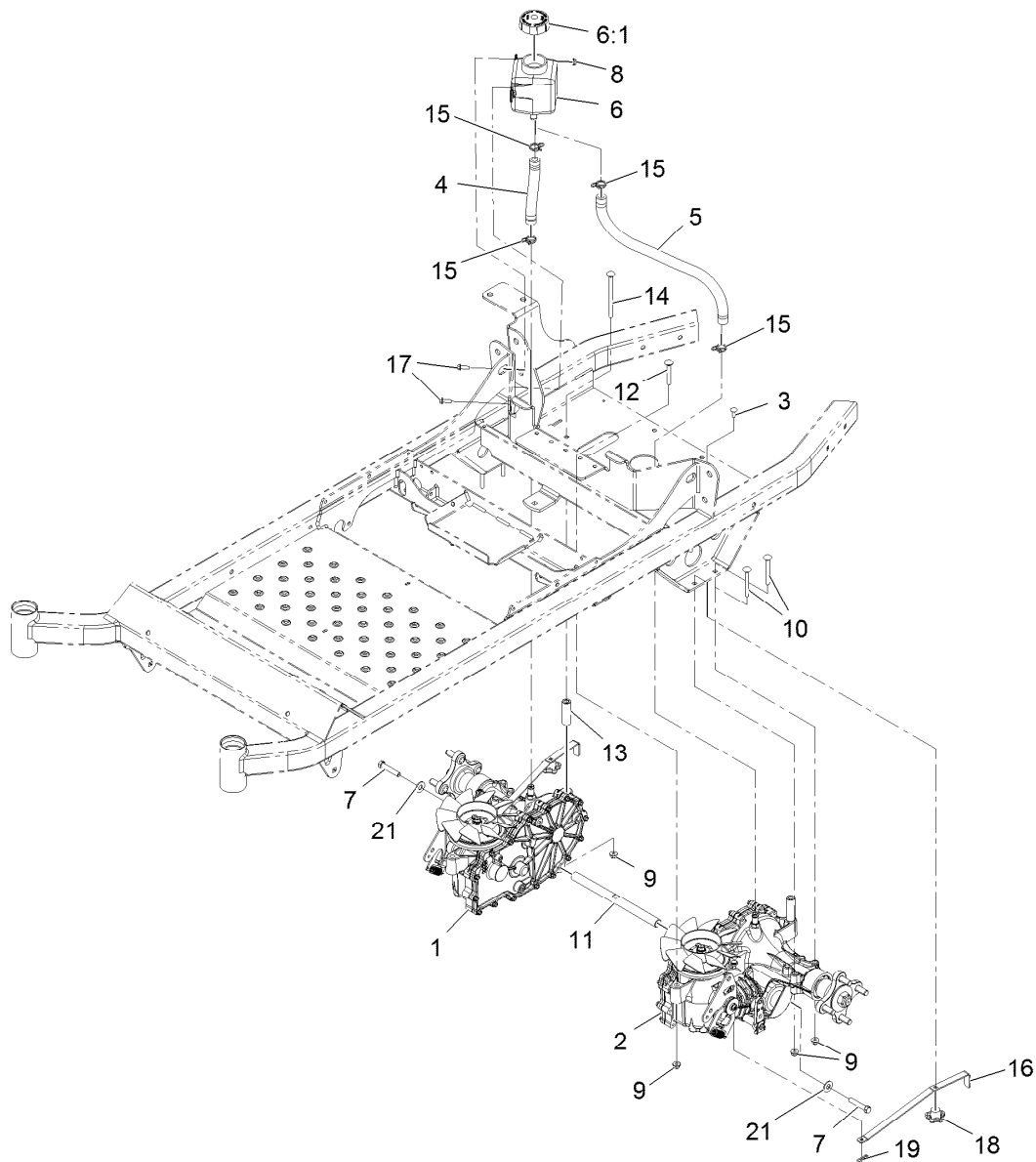
Ref.	Part Number	Qty.	Description
1		1	Engine-Kohler ●■
2	3217-5	1	Nut-Hex 1/4-20
3	3256-22	1	Washer-1/4 Sae
4	116-1946	1	Sheave-Pump, Drive
5	1-807259	1	Key-Machine 1/4 X 1/4 X 1
6	116-4773-03	1	Anchor-Clutch
7	116-1947	1	Clutch
8	109-6919	1	Washer-Clutch
9	1-603610	2	Washer-Spring Disc 7/16
10	109-9761	1	Screw-HH 7/16-20 X 1 1/2 W/Loctite ▲
11	98-5975	4	Washer-Spring Disc 3/8
12	32144-102	4	Screw-HWH 3/8-16 X 1 1/2 Taptite
13	116-5316	1	Oil Drain Hose ASM

Ref.	Part Number	Qty.	Description
13:2	353-508	1	Plug-W/O-Ring
13:2:1	237-42	1	O-Ring
14	116-4729	1	ASM-Idler Arm W/Bearings
14:2	1-513034	2	Sleeve-Bearing
14:3	302-40	1	Zerk-90° 1/4-28
15	116-2456	2	Pulley-Flat, 3.50 Dia
16	1-603384	1	Bushing-Pivot, Idler
17	3256-4	1	Washer-3/8 Std
18	323-15	1	Screw-HH 3/8-16 X 3 1/2
19	3231-5	2	Bolt-Carriage 3/8-16 X 1 3/4
20	104-8301	3	Nut-Nyloc 3/8-16 Flg
21	1-603402	1	Spring-Extension
22	115-9613	1	V-Belt
23	116-6493	1	Muffler-Kohler Twin
24	110-6697	2	Gasket-Exhaust

● Not serviced separately

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

■ Obtain parts from www.kohlerplus.com

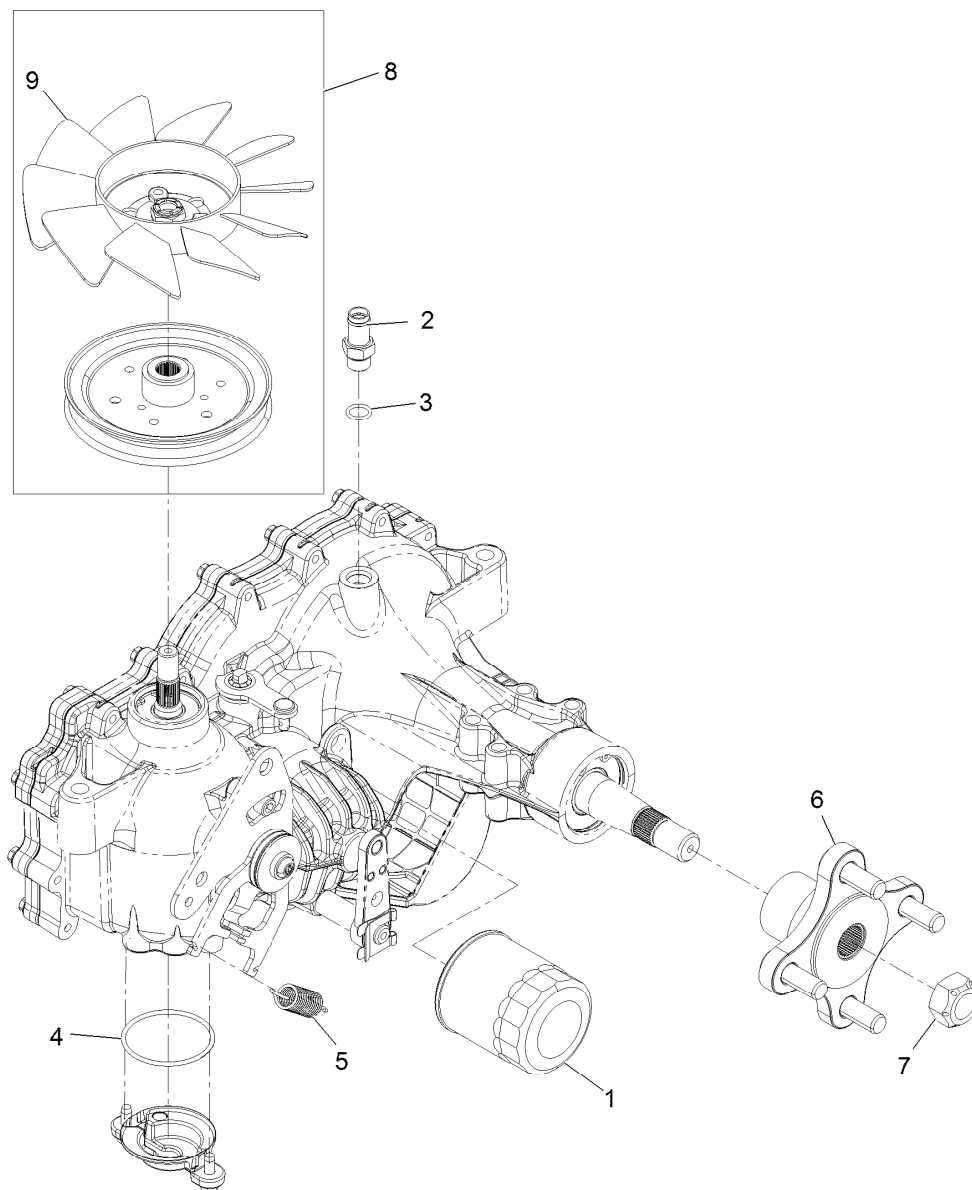


Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	116-3174	1	Transaxle ASM
2	116-3173	1	Transaxle ASM
3	3229-1	2	Bolt-Carriage 1/4-20 X 3/4
4	116-5641	1	Hose-Hydraulic
5	116-5642	1	Hose-Hydraulic
6	109-2250	1	Vent-Tank, Hydro
6:1	109-3320	1	Cap-Reservoir, HYD
7	94-7972	2	Screw-HH W/Loctite ●
8	104-7201	2	Nut-Nyloc 1/4-20 Flg
9	104-8300	8	Nut-Nyloc 5/16-18 Flg
10	3230-9	4	Bolt-Carriage 5/16-18 X 2 3/4

Ref.	Part Number	Qty.	Description
11	116-6833	1	Shaft-Spacer
12	3230-7	2	Bolt-Carriage 5/16-18 X 2 1/4
13	116-5809	2	Spacer-Hydro
14	3230-30	2	Bolt-Carriage 5/16-18 X 4 1/2
15	117-1193	4	Clamp-Hose
16	109-5395	2	Arm-Hydro Bypass
17	32105-15	2	Screw-Machine 1/4-20 X 3/4
18	108-6402	2	Knob-Handle
19	1-806003	2	Hairpin-Cotter
21	3256-4	2	Washer-3/8 Std

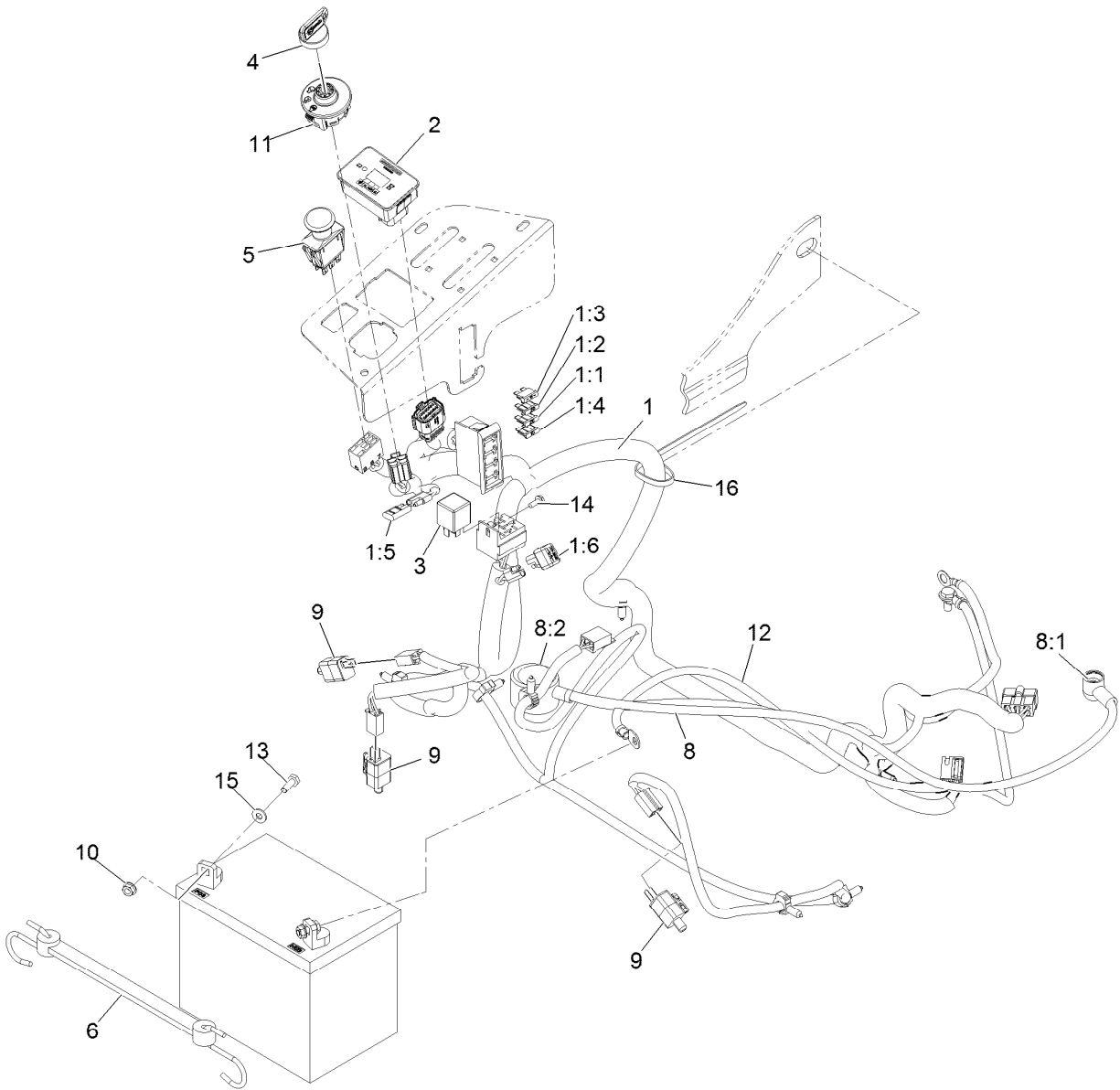
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



Transaxle Assembly

Ref.	Part Number	Qty.	Description
1	109-3321	1	Element-Oil Filter, HYD
2	109-3278	1	Adapter-Straight
3	237-42	1	O-Ring
4	109-3540	1	O-Ring-Seal
5	109-5592	1	Spring-Extension
6	109-5939	1	Hub Kit
7	109-3536	1	Nut-Hub
8	109-5938	1	Fan And Pulley Kit
9	114-8453	1	Fan-7.0
99	109-3537	1	Complete Seal Kit ●

● Not illustrated



Electrical Assembly

Ref.	Part Number	Qty.	Description
1	116-4861	1	Harness, Wire ●
1:1	109102	1	Fuse-Blade, 25 Amp
1:2	1-816001	1	Fuse-Blade Type, 20 Amp
1:3	109355	1	Fuse-Blade, 15 Amp
1:4	218-578	1	Fuse-Blade, 10 Amp
1:5	116-0053	1	Cap-Plug
1:6	103-3895	1	Diode-Tvs
2	116-5609	1	Module ASM
3	1-643275	1	Relay-12Vdc 40 Amp
4	103-2106	1	Key-Exmark Logo
5	103-5221	1	Switch-PTO
6	104-2466	1	Holddown-Battery

Ref.	Part Number	Qty.	Description
8	109-7630	1	Positive Battery Cable ASM
8:1	109-2407	1	Insulator-Battery
8:2	1-543393	1	Insulator-Solenoid
9	110-6765	3	Switch-Single Pole No
10	32128-33	2	Nut-Whizlock 1/4-20
11	117-2221	1	Switch-Ignition
12	117-7240	1	Cable-Battery, Negative
13	321-4	2	Screw-HH 1/4-20 X 3/4
14	32144-1	1	Screw-HWH #10-24 X 1/2 Tapite
15	3256-22	2	Washer-1/4 Sae
16	1-303335	1	Tie-Cable 7 15/16 (Large)

● Use dielectric grease on all unsealed connectors and terminals only. Do not apply in sealed connectors.

Notes:

Notes:

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.

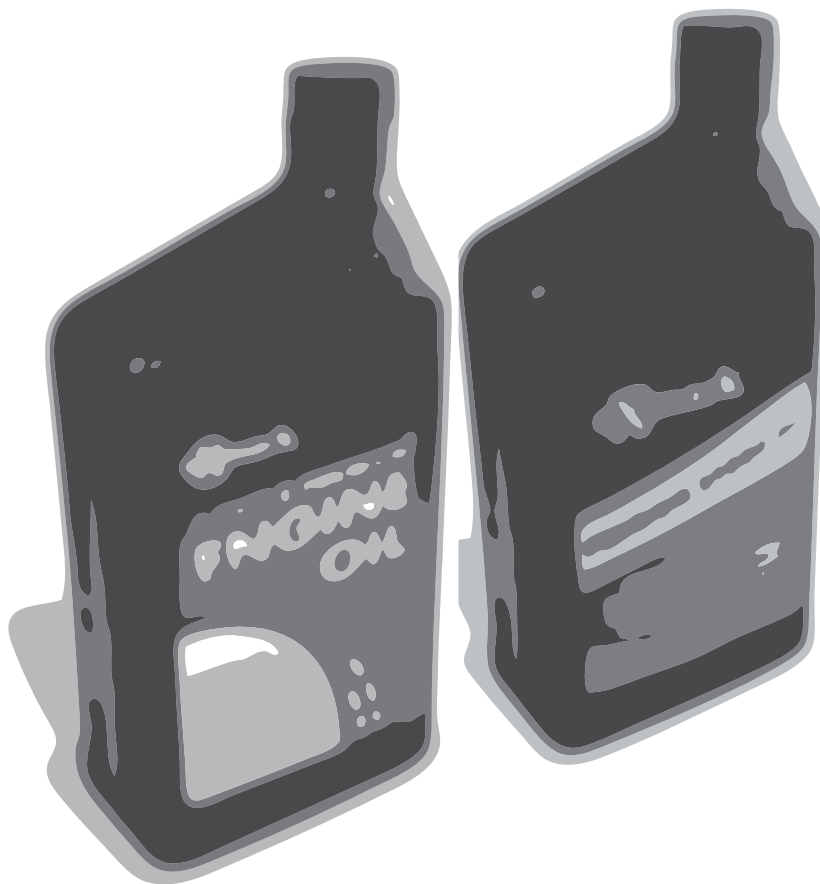
PREMIUM HYDRO OIL

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) _____

© 2012 Exmark Mfg. Co., Inc.
Industrial Park Box 808
Beatrice, NE 68310
All Rights Reserved

Part No. 4501-004 Rev. B
(402) 223-6300
Fax (402) 223-5489
Printed in the USA.

