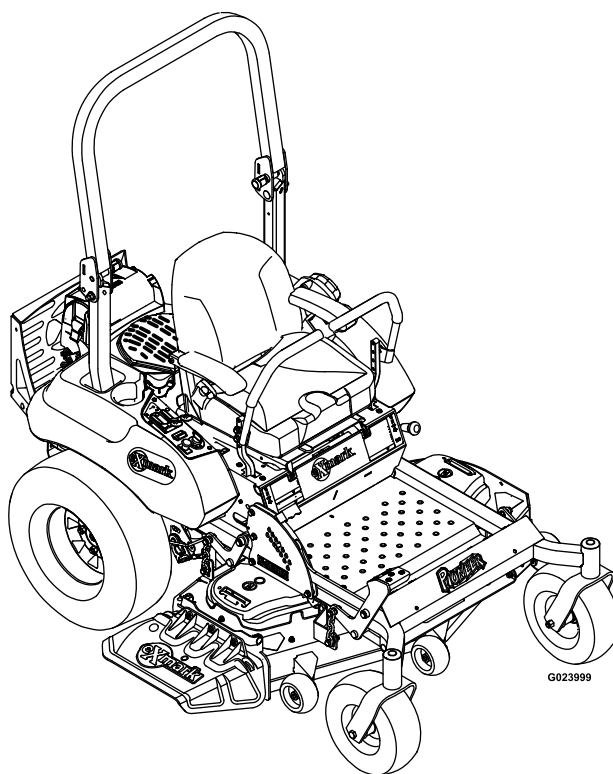




# PIONEER® S-SERIES

Model No. PNS710GKC48300—Serial No. 31500000 and Up

Picture below may not reflect actual product.



# Parts Manual

Part No. 4502-136 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.

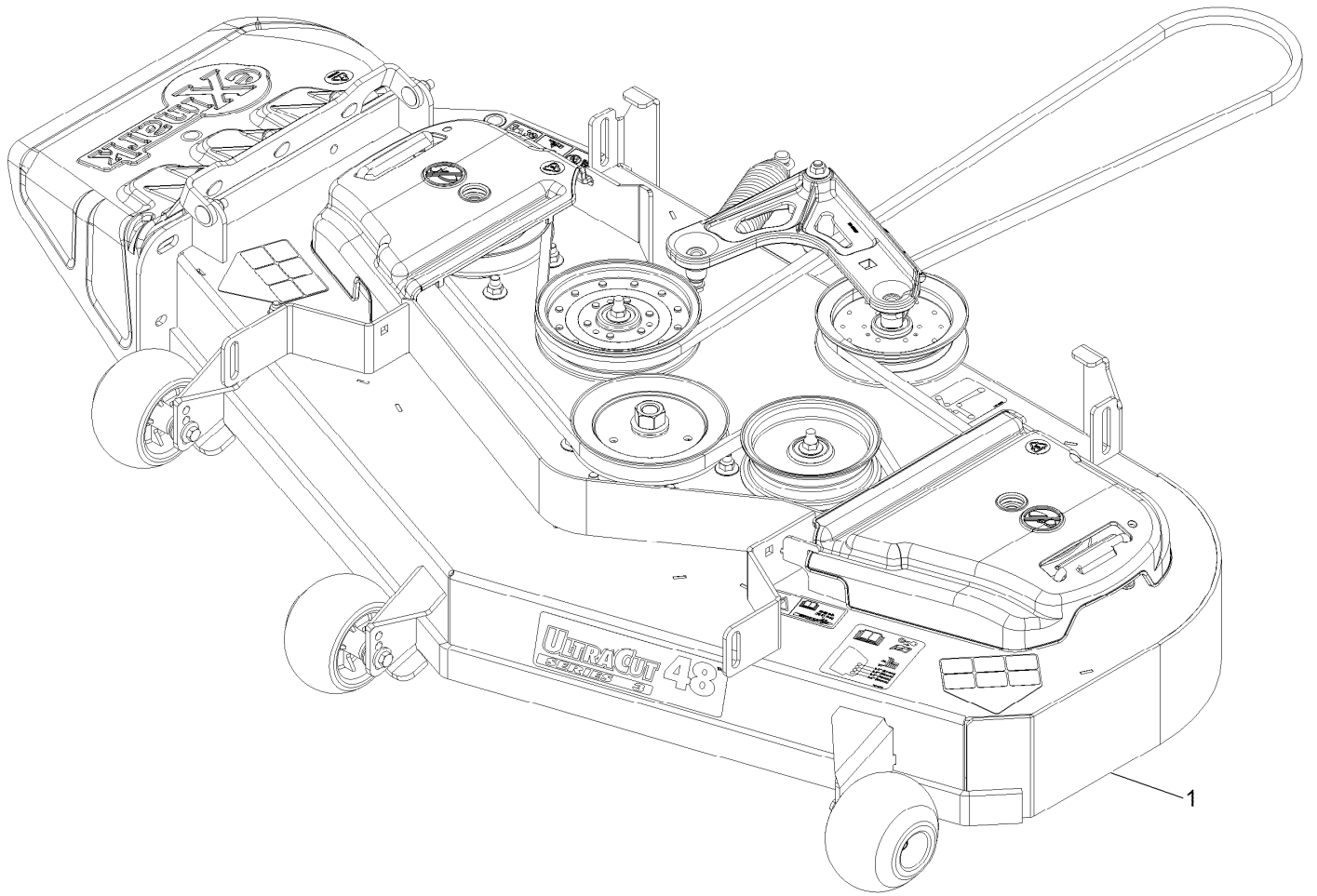
Exmark red touch up paint (spray paint – P/N 1-850337 - .6 oz liquid bottle – P/N 103-9140).



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.)

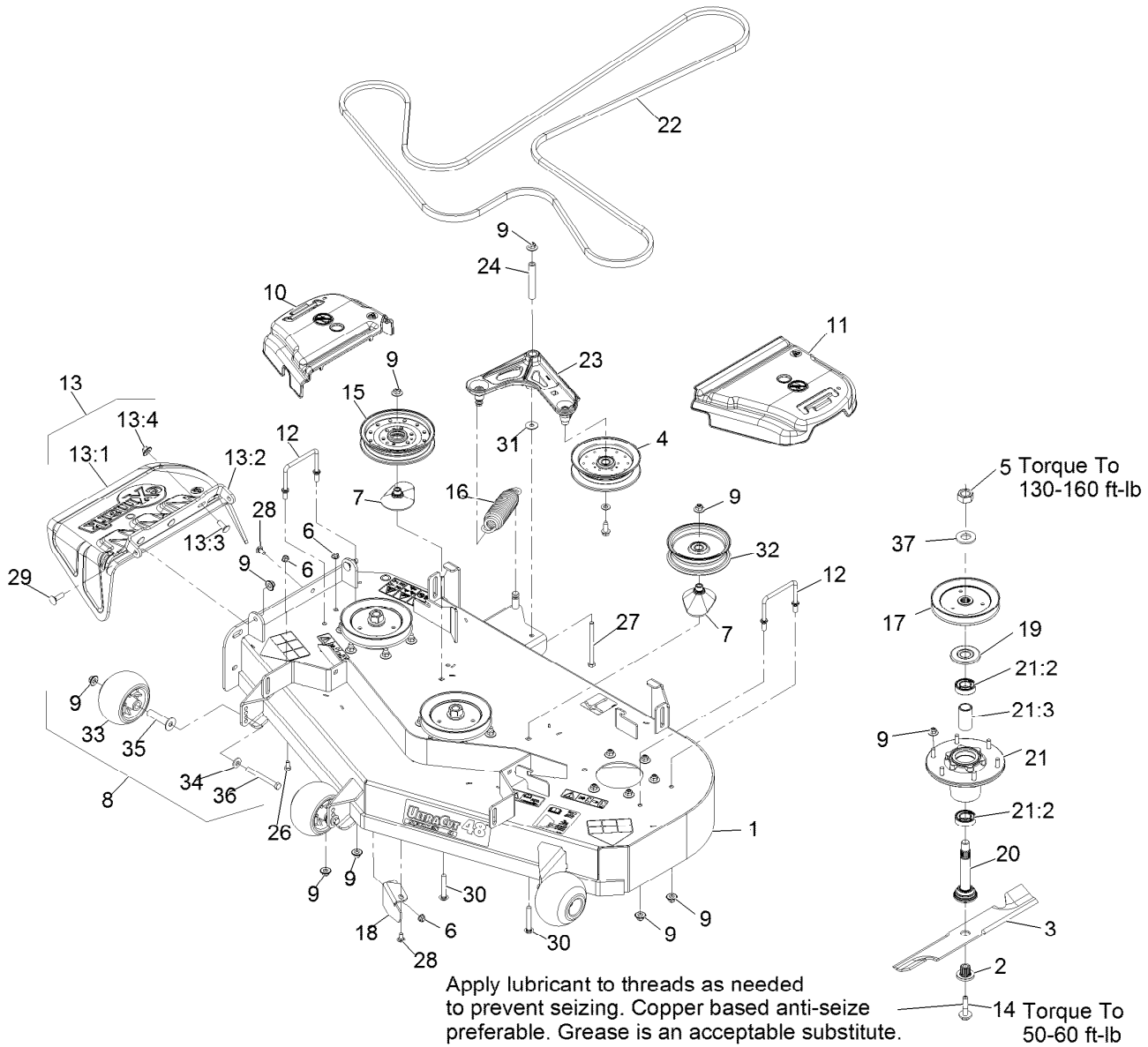
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## Complete Deck Assembly

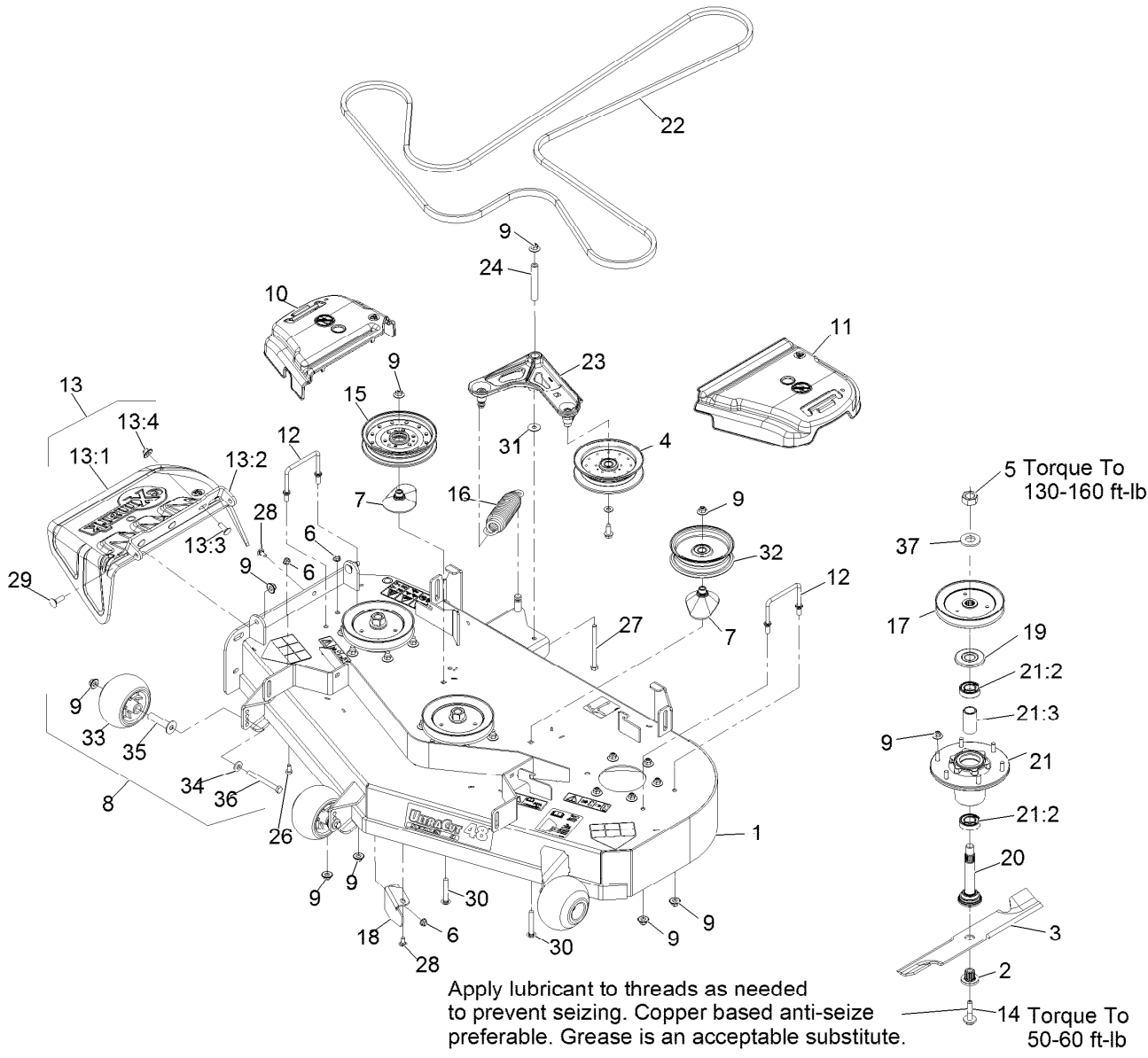
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	116-4811	1	ASM-Deck Complete 483



## Deck Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-3195	1	ASM-Deck W/Decals 48	13:3	3231-22	3	Bolt-Carriage 3/8-16 X 1
2	103-3037	3	Bushing, Splined	13:4	109-6658	3	Nut-Nyloc 3/8-16 Flg
3	103-6381	3	Blade, Solid	14	109-9220	3	Screw-Sems 1/2-20 X 2.19
3	103-6386	3	Blade, Low Lift	15	116-4670	1	Pulley-Idler, Flat
3	103-6391	3	Blade, Mulching ●	16	116-6317	1	Spring-Extension
3	103-6401	3	Blade-Notched	17	116-0674	3	Sheave, Blade Drive 5.90
3	116-5177	3	Blade-Extreme 2, 16.25"	18	116-0680-01	1	Baffle, Discharge 483
4	116-4668	1	Idler-Pulley, Flanged	19	116-1286	3	Guard, Bearing Top .989
5	116-7306	3	Nut-Hex	20	116-3342	3	ASM-Spindle And Seal
6	104-8300	3	Nut-Nyloc 5/16-18 Flg	21	116-3344	3	ASM-Cutter Hsg With Bearings
7	109-2872	2	Spacer-Pulley	21:2	116-0720	2	Bearing-Ball
8	116-9981	3	Kit, Anti-Scalp Roller	21:3	116-3312	1	Spacer-Bearing
9	109-6658	30	Nut-Nyloc 3/8-16 Flg	22	116-3455	1	Belt-B154.88
10	109-6935	1	Cover-Belt, RH	23	126-0976	1	ASM-Idler Arm W/Bearings
11	109-6936	1	Cover-Belt, LH	24	116-5111	1	Bushing
12	109-6982	2	Wireform-Cover	26	322-2	1	Screw-HH 5/16-18 X 5/8
13	109-7188	1	ASM, Discharge Chute	27	323-23	1	Screw-HH 3/8-16 X 4-1/2
13:1	109-2738	1	Chute, Discharge	28	3230-1	2	Bolt-Carriage 5/16-18 X 3/4
13:2	109-8675-01	1	Bracket, Discharge Chute				

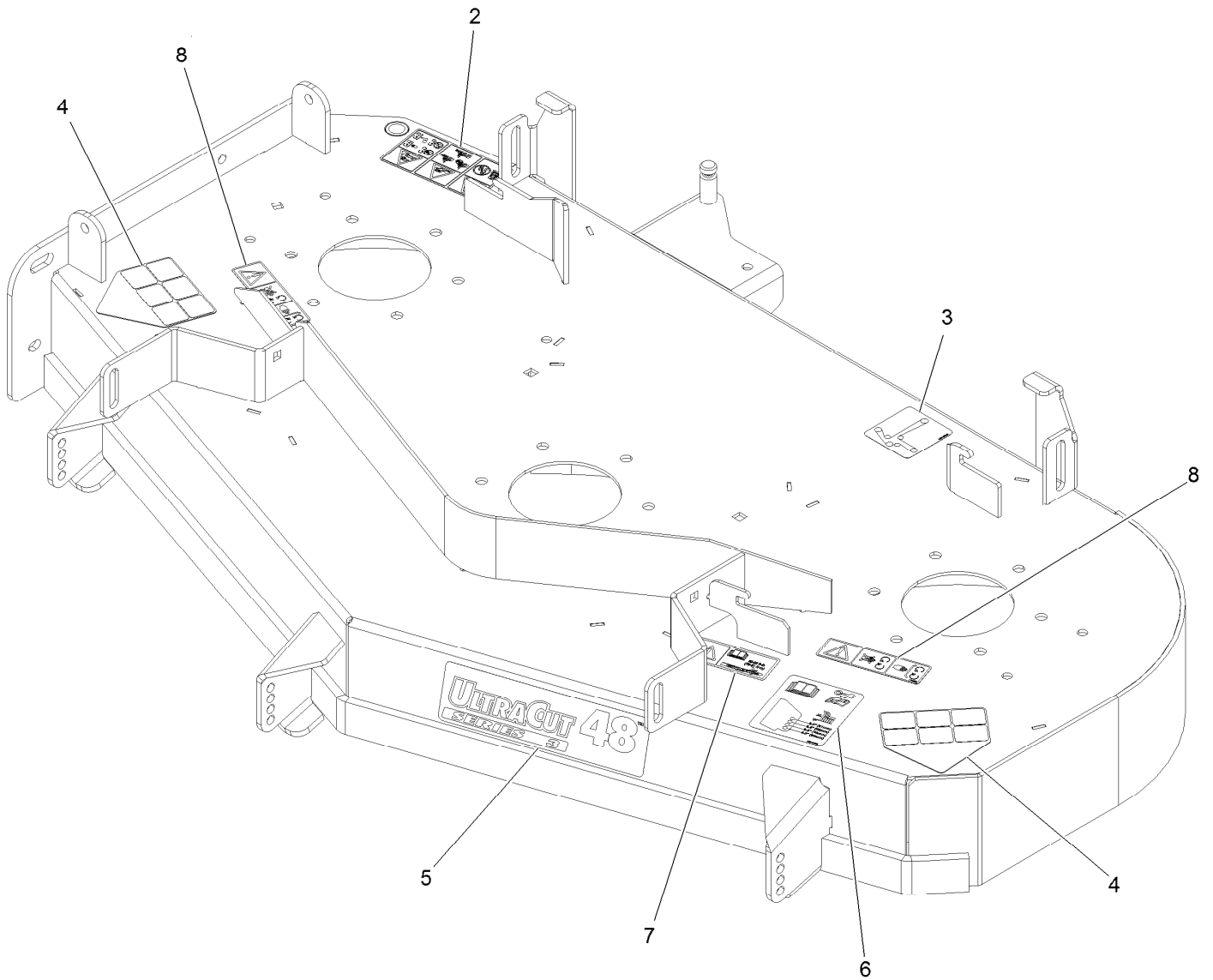
● Requires installation of mulch kit for proper mulching. See your Exmark dealer for details.



## Deck Assembly (continued)

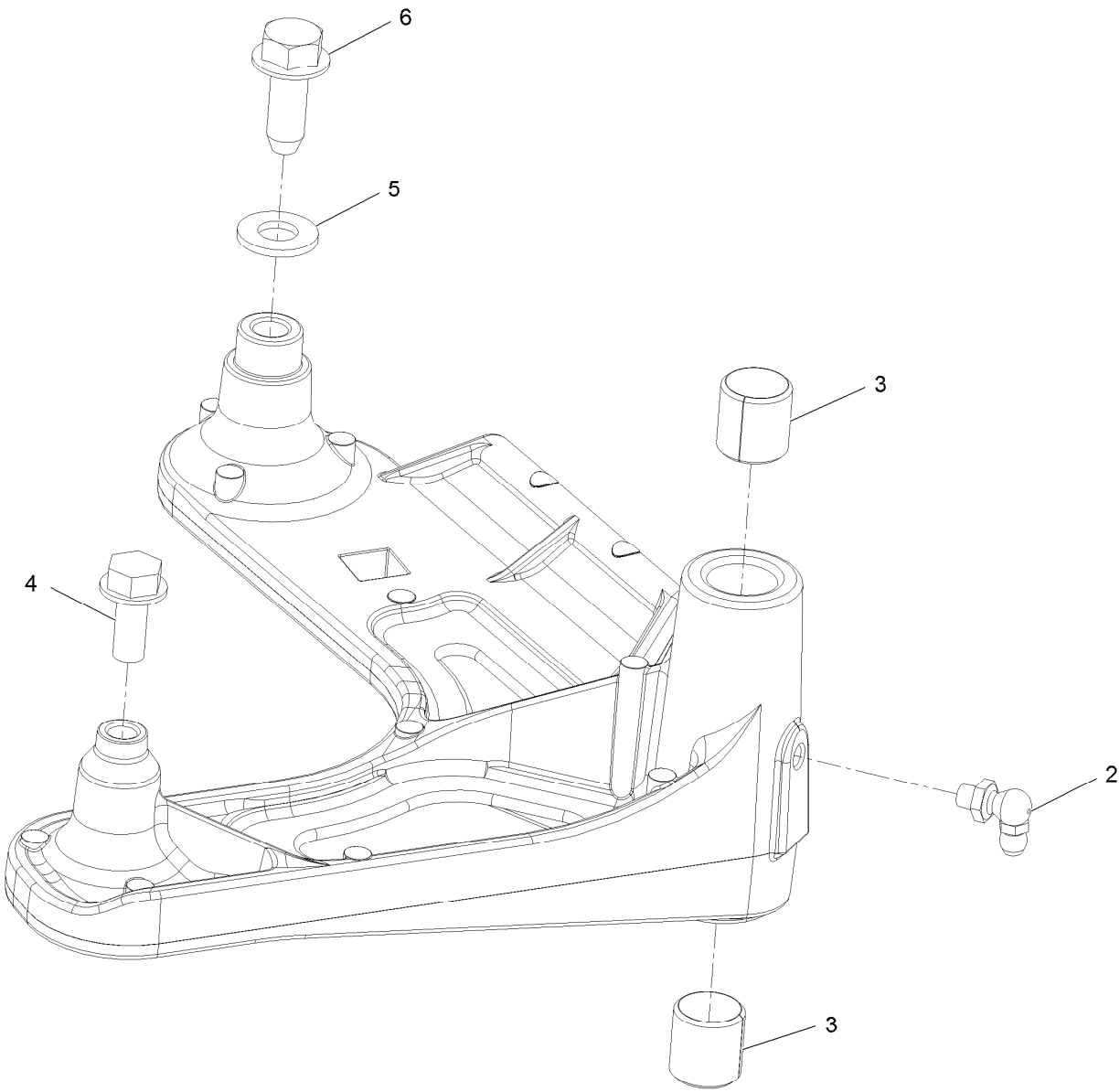
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
29	3231-25	2	Bolt-Carriage 3/8-16 X 1 1/4	34	98-5975	3	Washer-Spring Disc 3/8
30	3231-44	2	Bolt-Carriage 3/8-16 X 2 1/2	35	116-8131	3	Axle, Roller
31	52-2860	1	Washer	36	116-9362	3	Screw-HH 3/8-16 X 3 3/4 Gr 8
32	116-4669	1	Pulley-Idler Flat	37	103-2802	3	Washer-Spring Disc 3/4
33	103-8415	3	Roller-Anti-Scalp				

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



## Deck W/Decals Assembly 116-3195

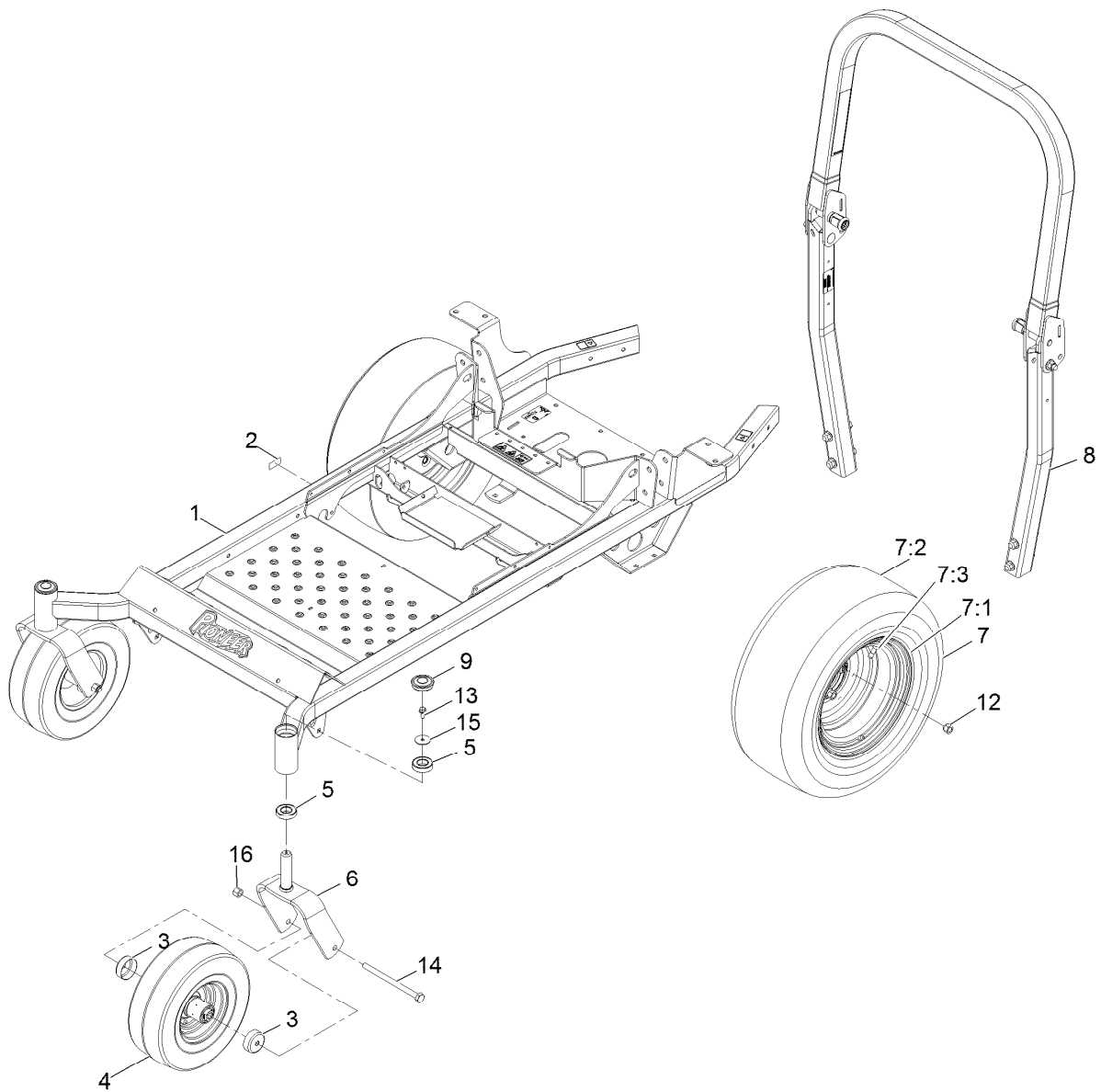
Ref.	Part Number	Qty.	Description
2	117-3848	1	Decal-Danger
3	109-6035	1	Decal-Belt Routing
4	93-7316	2	Decal-Danger
5	116-4697	1	Decal-Ultracut 48 Series 3
6	109-6036	1	Decal-Roller, Anti-Scalp
7	116-8283	1	Decal-Bolt Torque
8	112-9028	2	Decal-Cover Missing



## Idler Arm W/Bearings Assembly

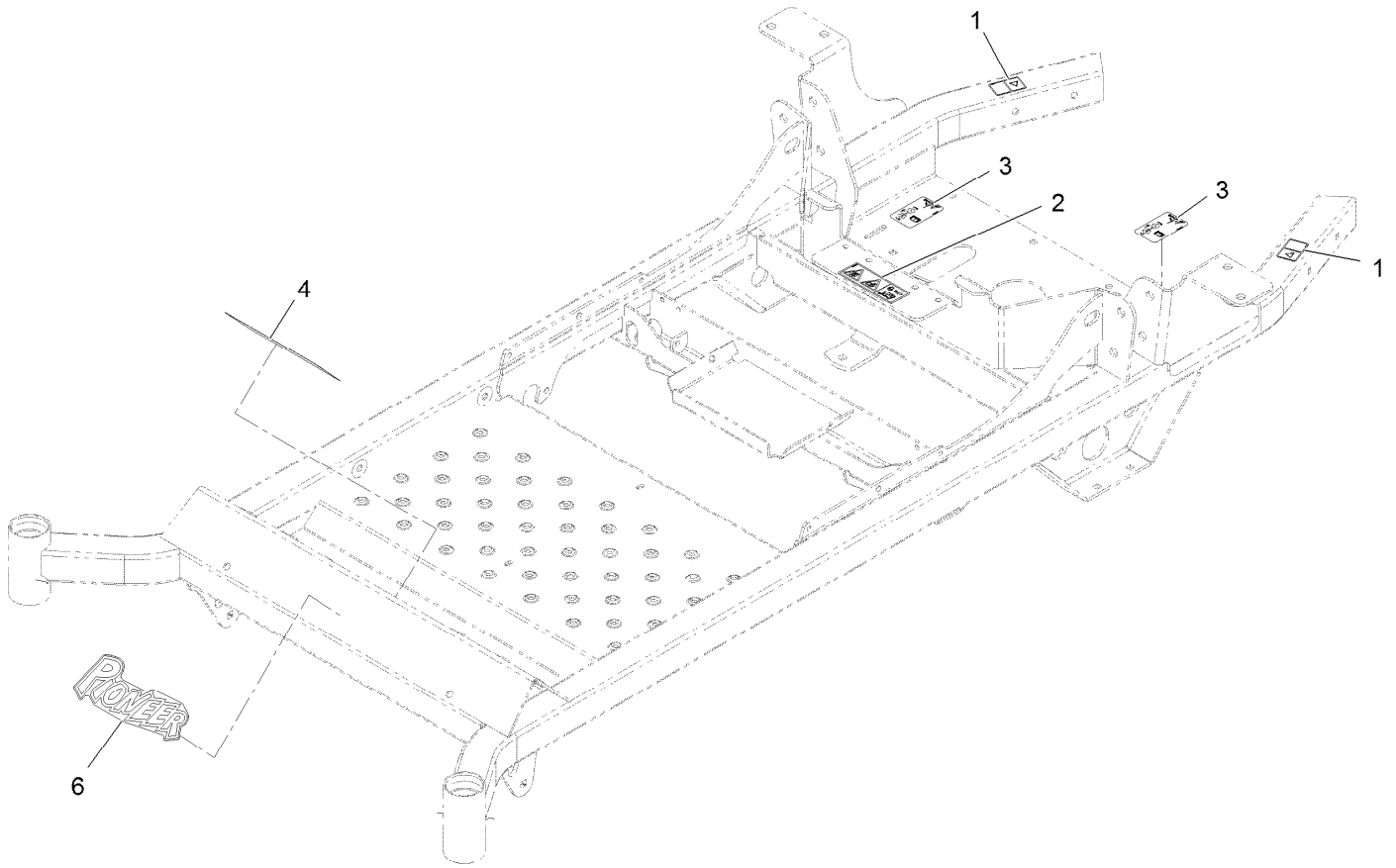
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	302-40	1	Zerk-90° 1/4-28
3	1-513034	2	Sleeve-Bearing
4	32144-11	1	Screw-HWH 5/16-18 X 3/4 Tf
5	3256-24	1	Washer-3/8 Sae
6	126-1696	1	Screw-Thread Forming





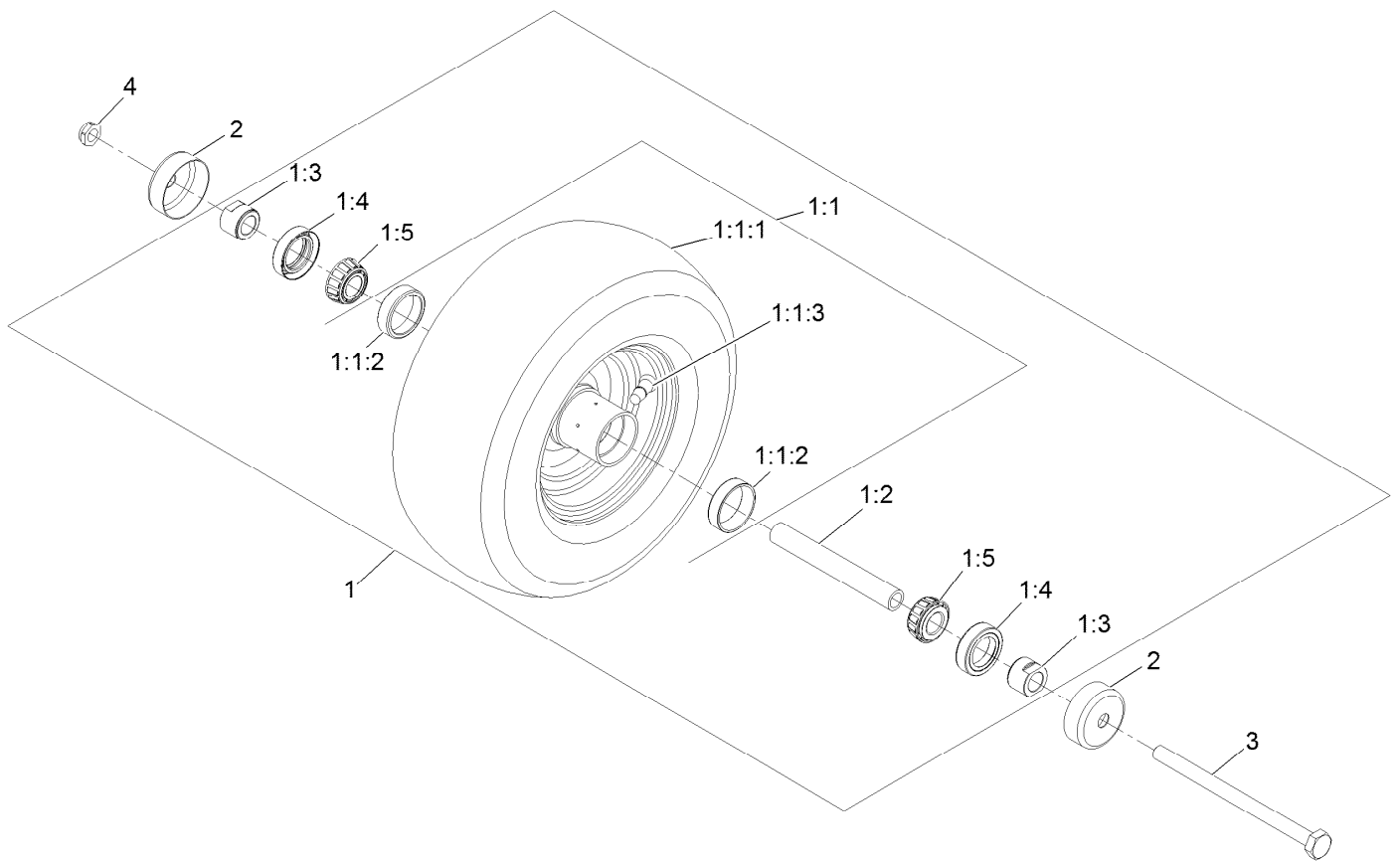
## Main Frame Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-6831	1	Frame ASM-48-52	7:2	120-3271	1	Tire
2	126-4345	1	Decal-Patent Ttco.Com	7:3	232-27	1	Stem-Valve
3	103-2768	4	Guard-Seal	8	116-3498	1	ASM-ROPS Pioneer
4	103-5189	2	Asm, Caster Wheel (Pneumatic)	9	116-4348	2	Cap-Grease
5	109-3678	4	Bearing-Ball	12	242-50	8	Nut-Lug 1/2-20
6	116-0611-01	2	Wld,Caster Fork	13	3234-5	2	Screw-HH Flg 5/16-18 X 3/4
7	116-6318	2	ASM-Wheel And Tire 22 X 9.50-12	14	325-36	2	Screw-HH 1/2-13 X 7 1/2
7:1	116-6320	1	Wheel	15	3256-68	2	Washer-Flat
				16	3296-23	2	Nut-Nyloc 1/2-13



## Main Frame W/Decals Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-5517	2	Decal-Warning, Hot Surface
2	126-4363	1	Decal-Warning Rotating Devices
3	116-8588	2	Decal-Drive Release
4	127-0335	1	Decal-Warning, Slope
6	116-4570	1	Decal-Pioneer Logo

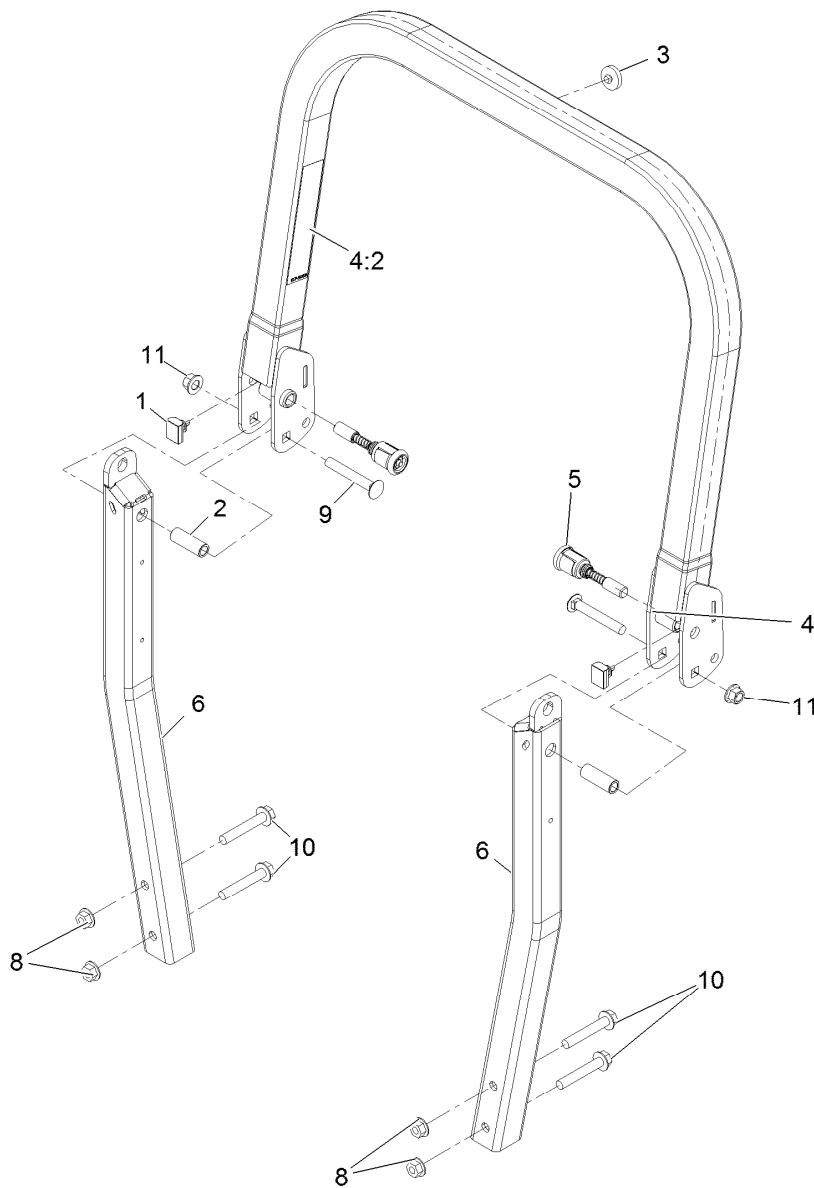


## Caster Wheel Assembly No. 103-5189

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

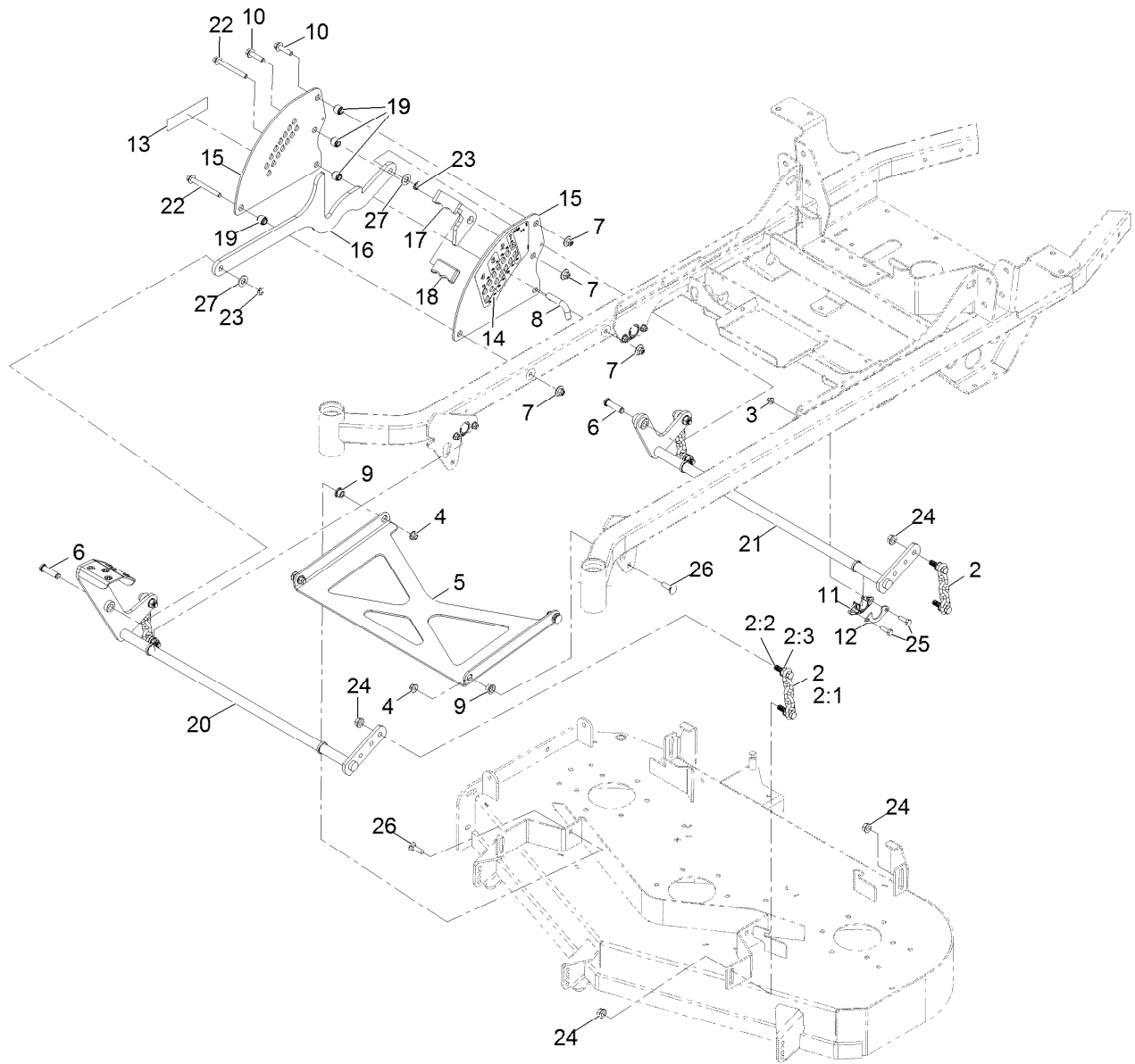
■ Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Roll-Over Protection System Assembly No. 116-3498

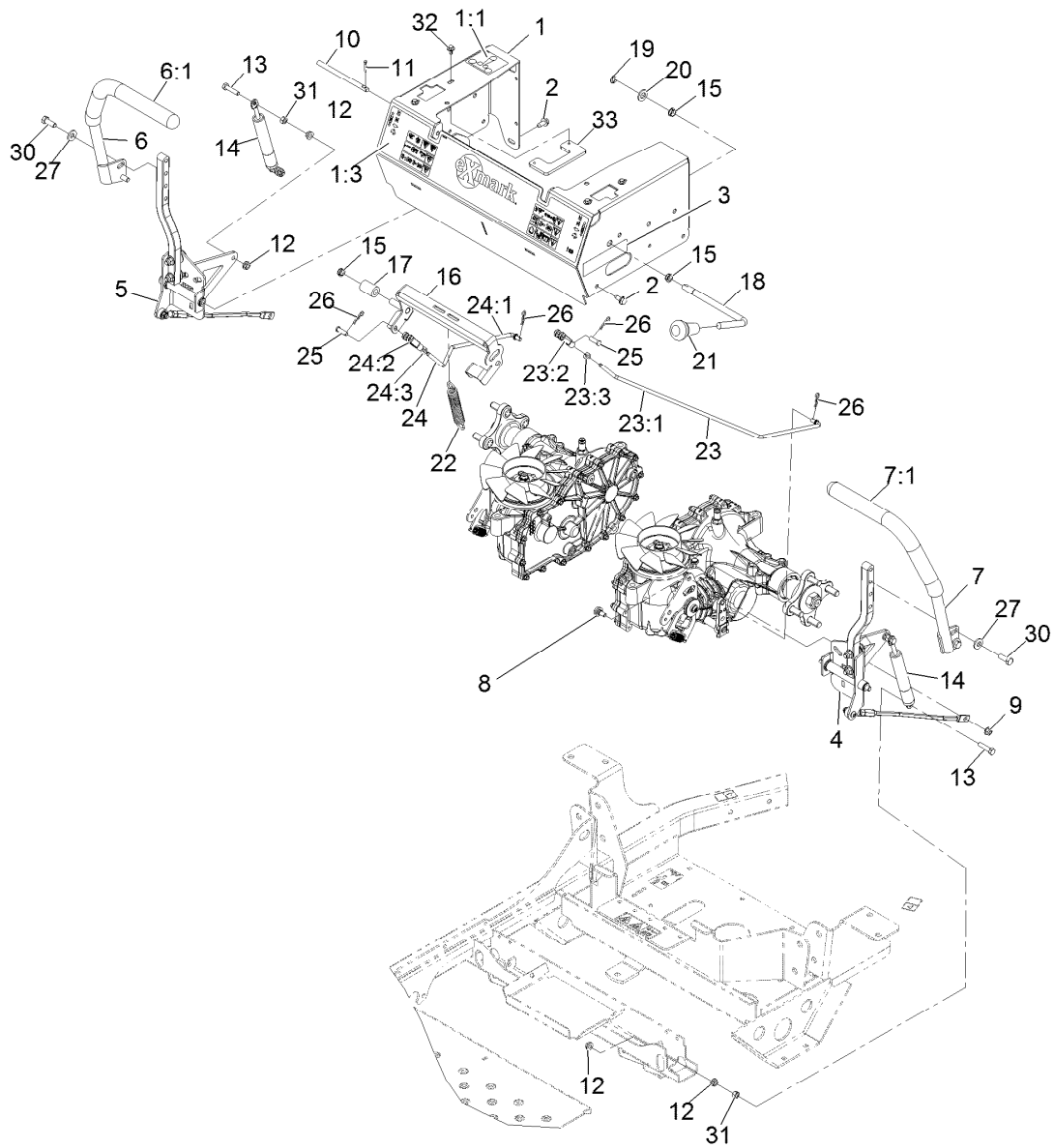
Ref.	Part Number	Qty.	Description
1	109-5337	2	Bumper-ROPS
2	109-6653	2	Spacer
3	109-9233	1	Bumper-Push-In, Rubber
4	116-0019	1	Upper ROPS ASM
4:2	107-3069	1	Decal-Warning, Folding ROPS
5	116-0104	2	Pin-Spring
6		2	ASM-Lwr ROPS Leg ●
8	32128-49	4	Nut-Whizlock 1/2-13
9	3233-10	2	Bolt-Carriage 1/2-13 X 3 1/2
10	3234-40	4	Screw-HF
11	99-5107	2	Nut-Lock 1/2-13

● Not serviced separately



## Deck Lift Assembly

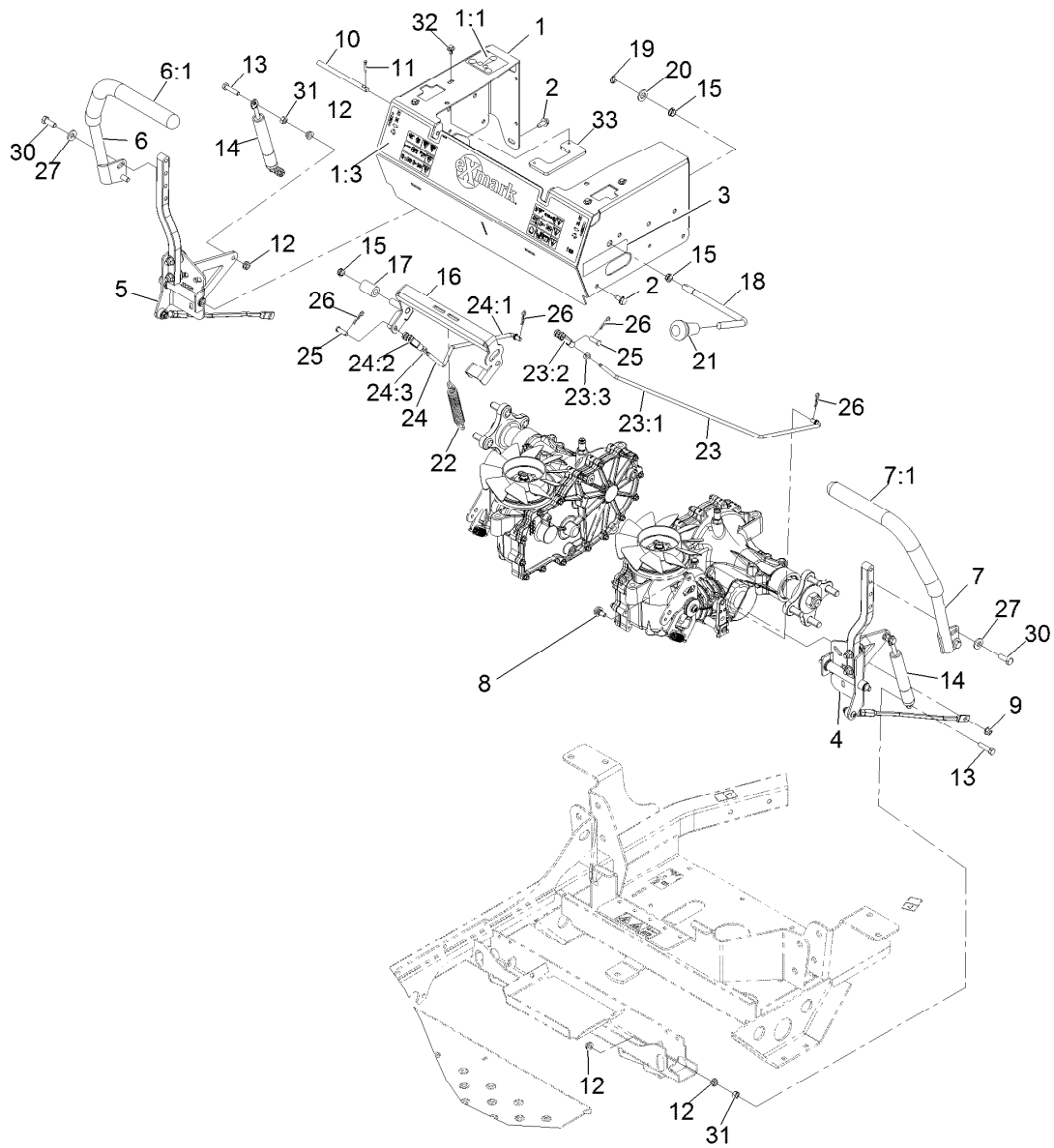
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	103-9817	4	Deck Chain ASM	13	116-3884	1	Decal-S-Series
2:1	1-633447	1	Chain-Lift, Deck	14	126-4383	1	Decal-Height Of Cut
2:2	103-1898	2	Screw-HH 7/16-20 X 1-5/8 Sp	15	116-4309-03	2	Plate,Deck Lift
2:3	32128-37	2	Nut-Whizlock 7/16-14	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-Bar, Flat
5	109-3723-01	1	Strut-Deck	19	116-4313	4	Spacer-Step, Double
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-Lift, Deck	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	Ref.	Part Number	Qty.	Description
1	116-3188	1	ASM-Mot Ctrl Frm W/Dcl	13	1-403180	4	Screw-HH 5/16-18 X 1 3/8 Special
1:1	109-6014	1	Decal-Belt Routing	14	109-5957	2	Damper-Motion Control
1:3	116-8668	1	Decal-Console	15	116-1393	3	Bushing,Snap
2	32144-70	6	Screw-HWH 5/16-18 X 3/4 Tf	16	116-6233	1	Wld-Brake Center Arm
3	116-3884	1	Decal-S-Series	17	109-5010	1	Spacer
4		1	Motion Control ASM-LH ●	18	116-3155	1	Handle,Brake
5		1	Motion Control ASM-RH ●	19	32120-47	1	Ring-Retaining
6	119-3486	1	RH Handle ASM	20	106-9888	1	Washer-Flat
6:1	108-6187	1	Grip	21	106-7952	1	Knob
7	119-3485	1	LH Handle ASM	22	88-6130	1	Spring-Deck, Engagement
7:1	108-6187	1	Grip	23	116-1165	1	Brake Linkage ASM-LH
8	37-8771	2	Screw-Shoulder 5/16-18 X 5/8	23:1	116-1167	1	Linkage,Brake LH
9	104-8300	2	Nut-Nyloc 5/16-18 Fig	23:2	1-303105	1	Yoke-Adjustable
10	109-3705	2	Pin-Control Pivot	23:3	3220-2	1	Nut-Jam 5/16-24
11	3272-10	2	Pin-Cotter 1/8 X 3/4	24	116-1166	1	Brake Linkage ASM-RH
12	32128-20	8	Nut-Whizlock 5/16-18	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

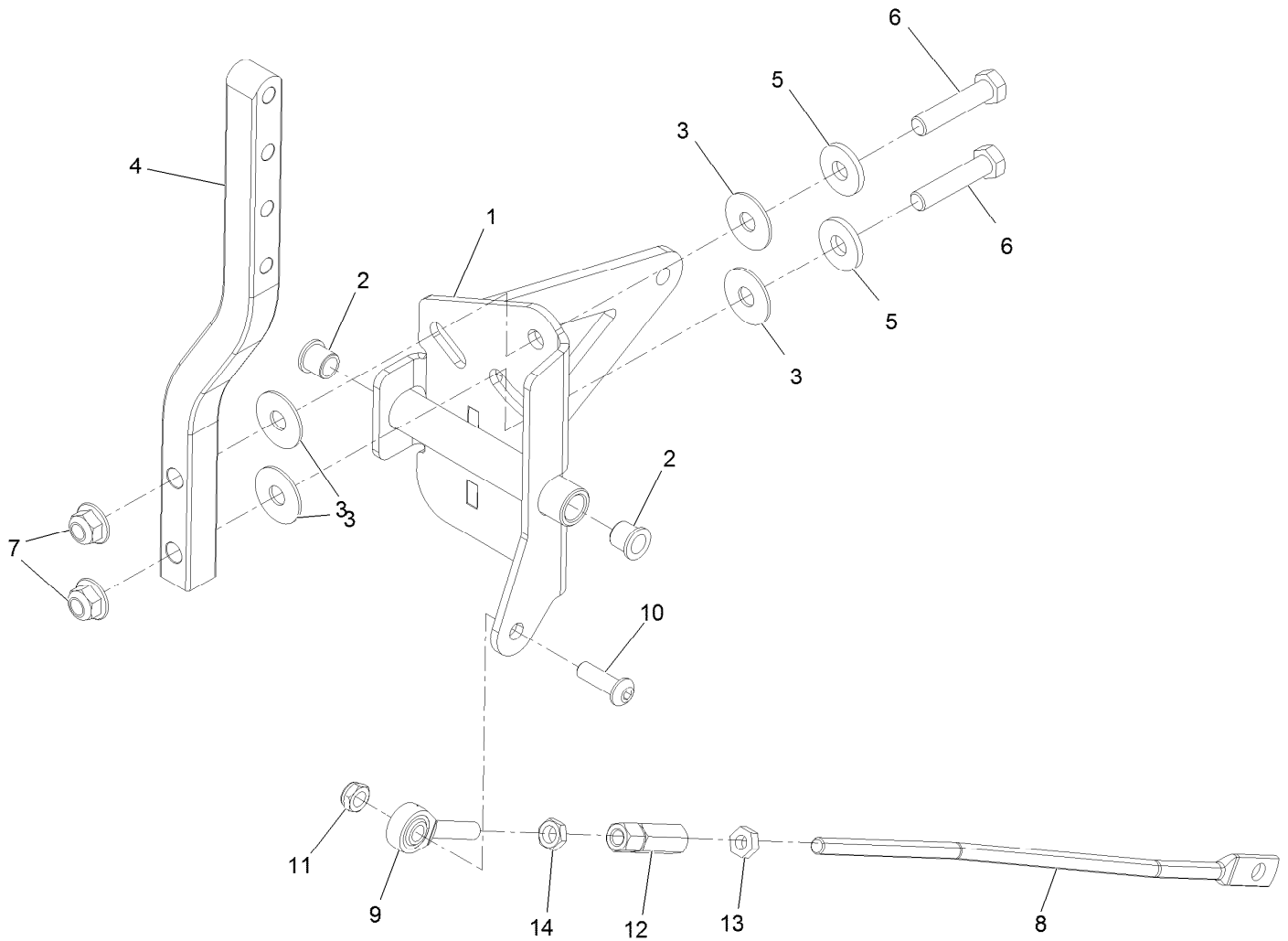
● Not serviced separately



## Motion Control 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>
25	1-808280	2	Pin-Clevis 5/16 X 1 49/64	31	3217-6	4	Nut-Hex 5/16-18
26	1-806003	4	Hairpin-Cotter	32	46-8560	4	Screw-HHF 1/4-20 X 1/2
27	98-5975	4	Washer-Spring Disc 3/8	33	109-6214	2	Stop-Motion Control
30	323-6	4	Screw-HH 3/8-16 X 1				

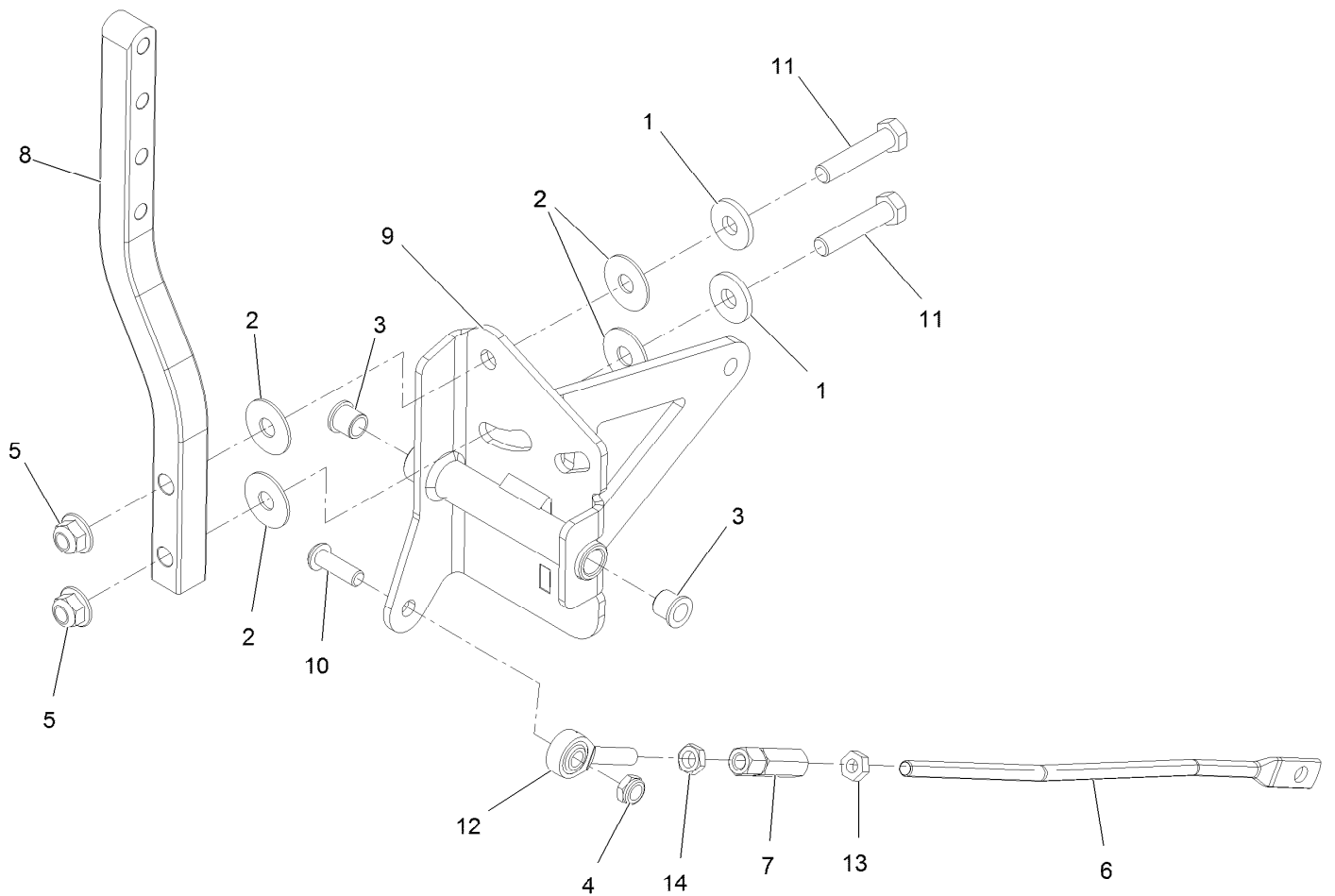
● Not serviced separately



## LH Motion Control Assembly

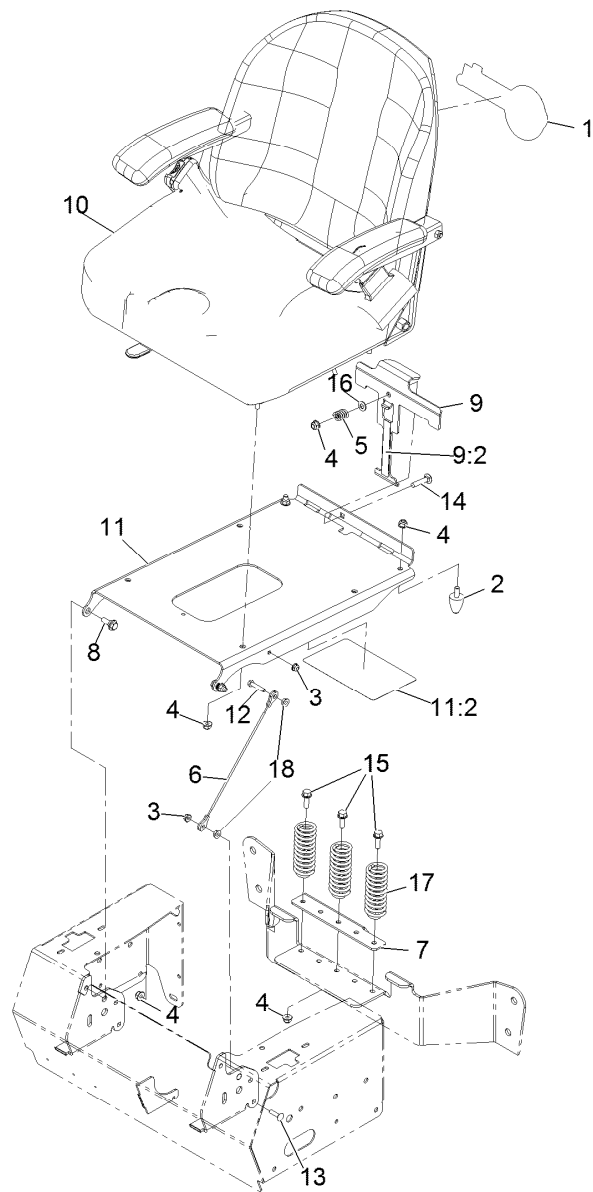
Ref.	Part Number	Qty.	Description
1	126-3710	1	LH Control Pivot ASM
2	103-9928	2	Bearing
3	52-2900	4	Washer-Plastic
4	116-3183	1	Arm-Motion Control
5	5-0838	2	Washer
6	323-9	2	Screw-HH
7	104-8301	2	Nut-Flange, NI
8	116-2543	1	Link, Motion Control
9	2411-53	1	Bearing-Rod End, LH
10	3274-104	1	Screw-HSBH
11	3296-47	1	Nut-Lock, NI
12	109-3728	1	Nut-Rod Adjustment
13	3220-2	1	Nut-Jam
14	3220-20	1	Nut-Jam





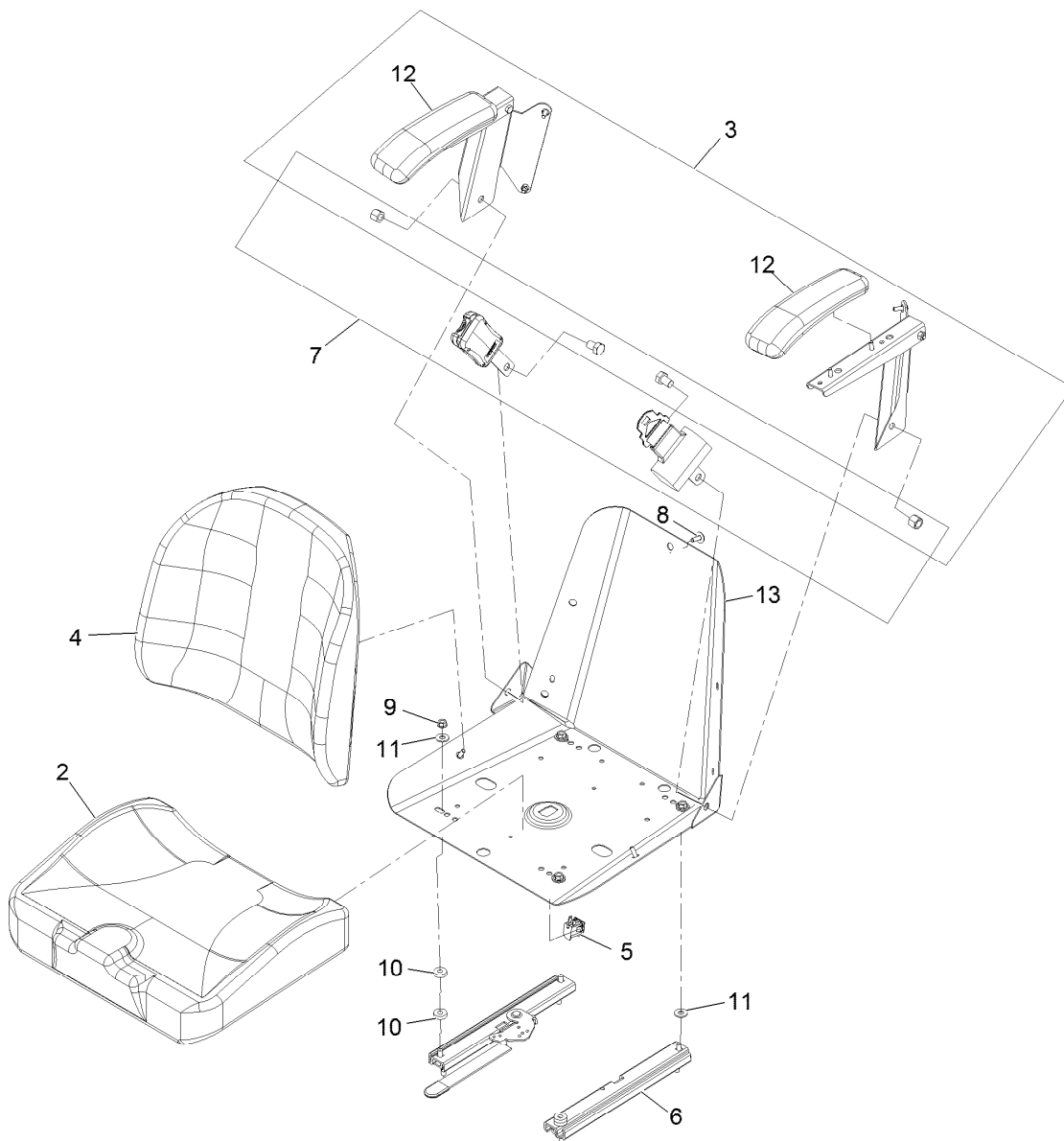
## RH Motion Control Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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	126-3707	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



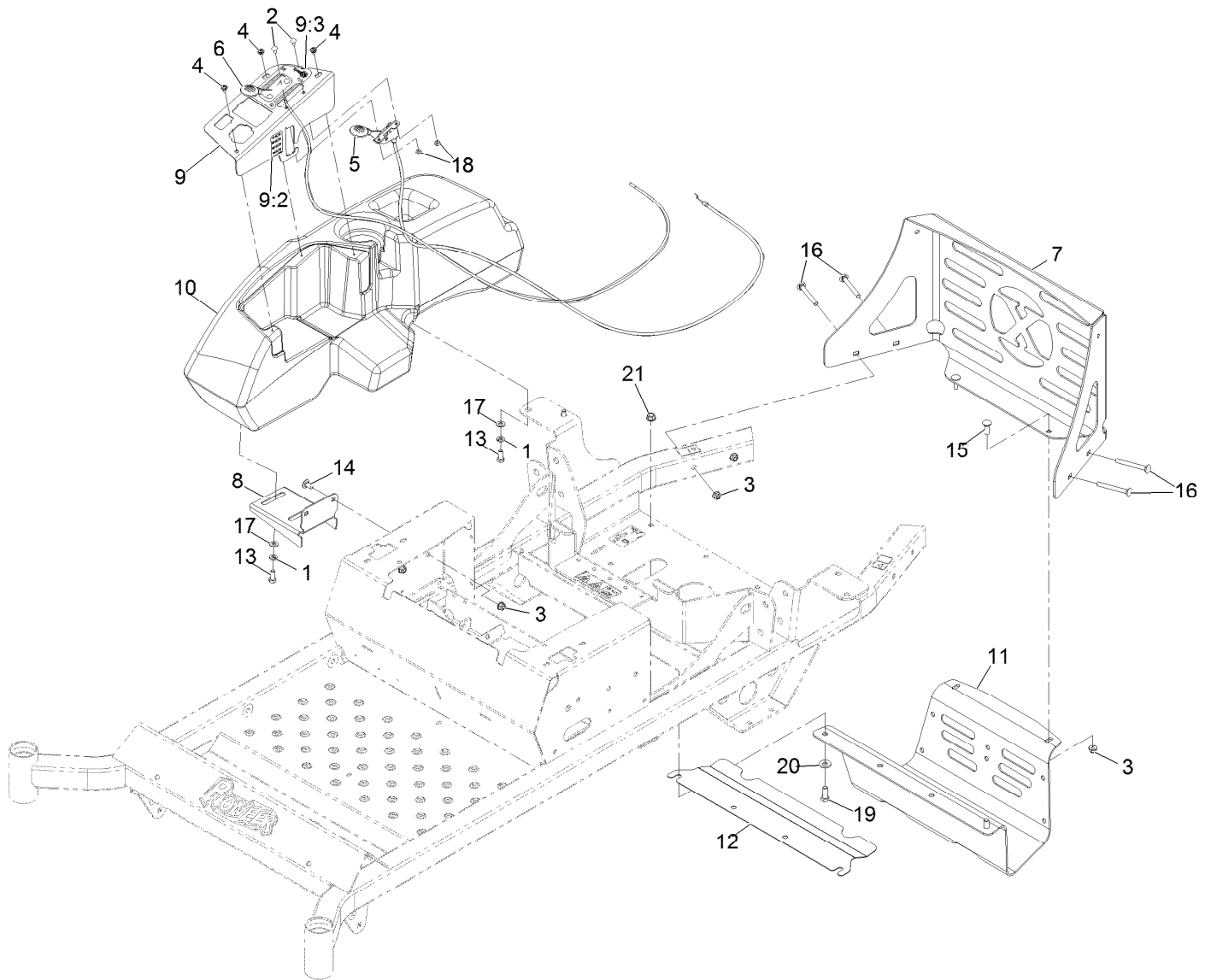
## Seat Assembly

<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	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	10	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, Lze				



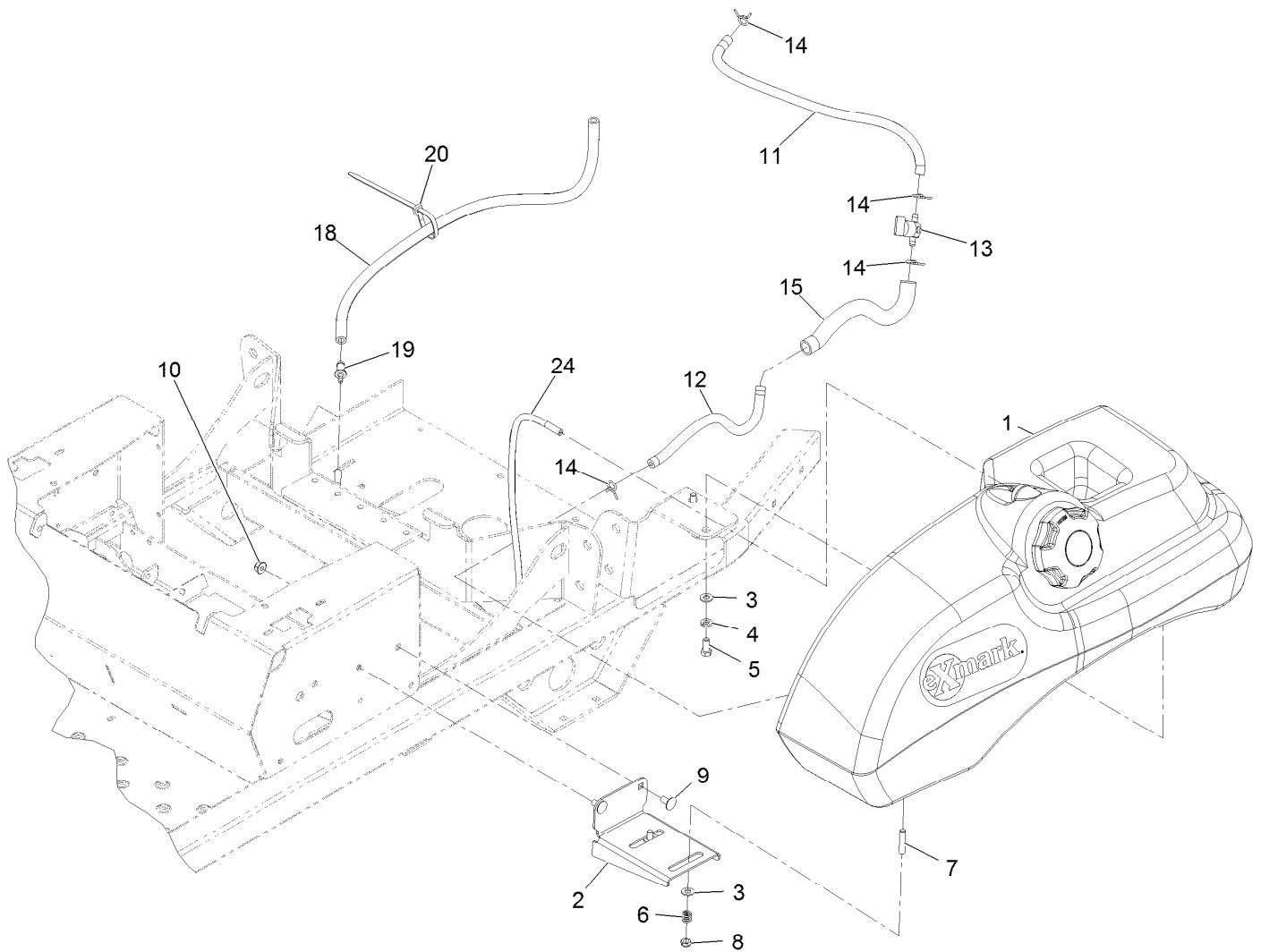
## Seat W/Tracks Assembly No. 116-6192

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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	4	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

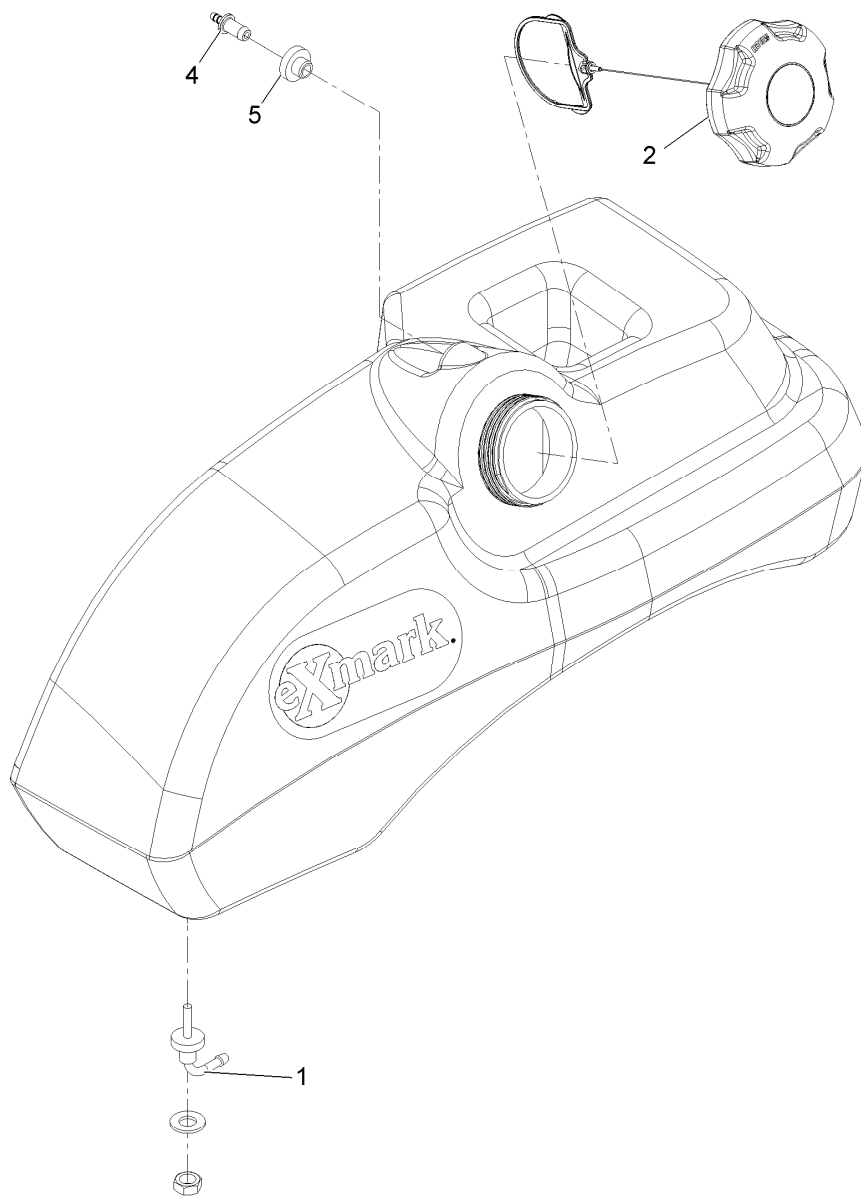
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	1-805005	4	Washer-Lock 5/16 Heavy	11	126-4275-03	1	Guard, Muffler
2	1-807513	4	Bolt-Carriage #10-24 X 1/2	12	126-0456-03	1	Shield, Heat
3	104-8300	8	Nut-Nyloc 5/16-18 Flg	13	322-3	4	Screw-HH 5/16-18 X 3/4
4	109-2661	3	Screw-PPH #10-24 X 1/2	14	3230-18	2	Bolt-Carriage 5/16-18 X 5/8
5	126-2800	1	Control-Throttle	15	3230-2	2	Bolt-Carriage 5/16-18 X 1
6	109-9147	1	Control-Choke	16	3230-9	4	Bolt-Carriage 5/16-18 X 2 3/4
7	116-3453-03	1	Panel,Rear Guard	17	3256-23	4	Washer-5/16 Sae
8	116-3495-03	1	Bracket-Tank And Fender	18	3296-2	4	Nut-Nyloc #10-24
9	116-9051	1	ASM, Control Panel W/ Decal	19	323-6	2	Screw-HH 3/8-16 X 1
9:2	116-1496	1	Decal,Fuse Block	20	98-5975	2	Washer-Spring Disc 3/8
9:3	116-4465	1	Decal-Throttle Choke	21	3290-357	2	Nut-Whizlock 3/8-16
10	116-4138	1	Console,RH				



## Fuel Tank Mounting Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-4610	1	ASM-Fuel Tank	11	110-5706	1	Hose-Fuel
2	116-3495-03	1	Bracket-Tank And Fender	12	109-0282	1	Hose-Fuel
3	3256-23	4	Washer-5/16 Sae	13	1-603770	1	Valve-Fuel
4	1-805005	2	Washer-Lock 5/16 Heavy	14	1-303077	4	Clamp-Fuel Line
5	322-3	2	Screw-HH 5/16-18 X 3/4	15	116-4515	1	Conduit-Fuel Line
6	1-633349	2	Spring-Compression	18	114-0832	1	Hose-Fuel
7	1-633023	2	Stud-Fuel Tank ●	19	116-4630	1	Fitting-Straight Orifice
8	3296-47	2	Nut-Nyloc 5/16-18 Thin	20	1-303335	1	Tie-Plastic
9	3230-18	2	Bolt-Carriage 5/16-18 X 5/8	24	116-4802	1	Hose,Emissions
10	104-8300	2	Nut-Nyloc 5/16-18 Flg				

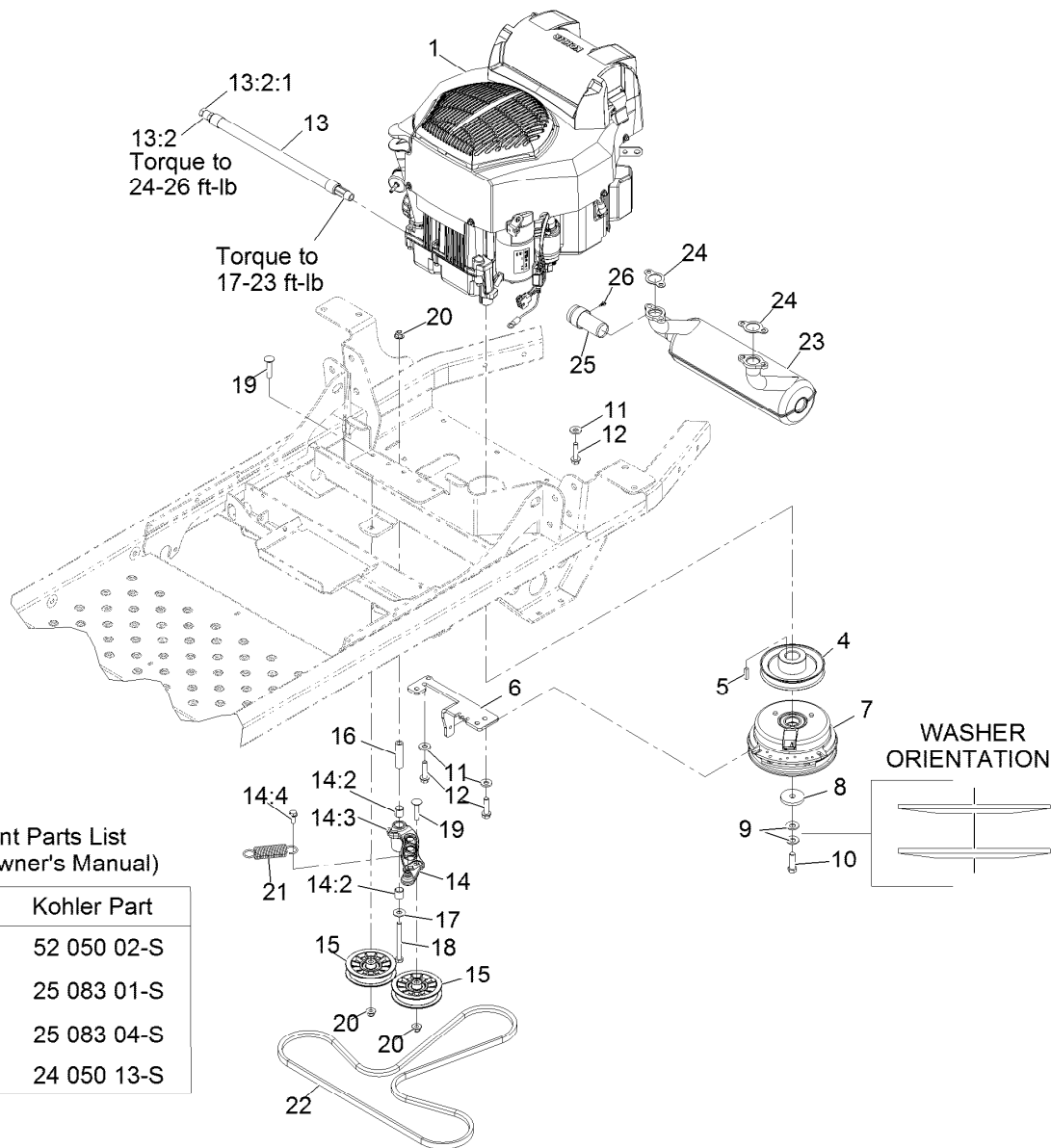
● Use Pro-Lock, Nut Type (P/N 1-840022, .5ml tube) on threads.



## Fuel Tank Assembly No. 116-4610

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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.



Kohler Replacement Parts List  
(Refer To Engine Owner's Manual)

Description	Kohler Part
Engine Oil Filter	52 050 02-S
Engine Air Filter	25 083 01-S
Safety Filter	25 083 04-S
Fuel Filter	24 050 13-S

## Engine Assembly

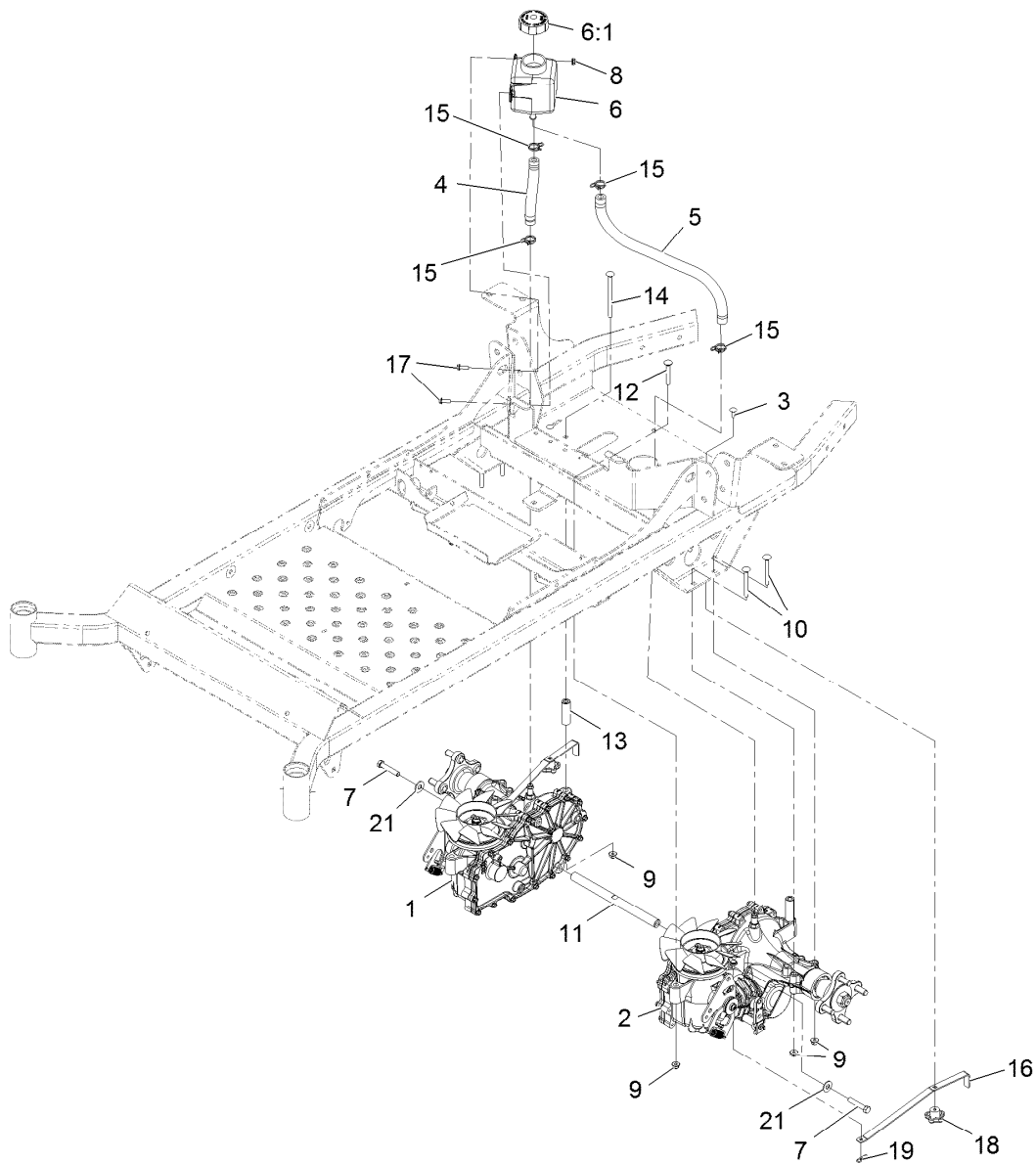
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	Engine - Kohler Zt710 ●■	14:2	1-513034	2	Sleeve-Bearing
4	116-1946	1	Sheave-Pump, Drive	14:3	302-40	1	Zerk-90° 1/4-28
5	1-807259	1	Key-Machine 1/4 X 1/4 X 1	14:4	32144-11	1	Screw-HWH 5/16-18 X 3/4 Tf
6	116-4773-03	1	Anchor-Clutch	15	116-2456	2	Pulley-Flat, 3.50 Dia
7	116-1947	1	Clutch	16	1-603384	1	Bushing-Pivot, Idler
8	109-6919	1	Washer-Clutch	17	3256-4	1	Washer-3/8 Std
9	1-603610	2	Washer-Spring Disc 7/16	18	323-15	1	Screw-HH 3/8-16 X 3 1/2
10	109-9761	1	Screw-HH 7/16-20 X 1 1/2 W/Loctite ◆	19	3231-5	2	Bolt-Carriage 3/8-16 X 1 3/4
11	98-5975	4	Washer-Spring Disc 3/8	20	104-8301	3	Nut-Nyloc 3/8-16 Flg
12	32144-102	4	Screw-HWH 3/8-16 X 1 1/2 Taptite	21	1-603402	1	Spring-Extension
13	116-5316	1	Oil Drain Hose ASM	22	115-9613	1	V-Belt
13:2	353-508	1	Plug-W/O-Ring	23	126-1477	1	Muffler, Kohler ▲
13:2:1	237-42	1	O-Ring	24	110-6697	2	Gasket-Exhaust
14	126-0973	1	ASM-Idler Arm W/Bearings	25	126-0268	1	Arrestor-Spark
				26	126-0275	1	Screw-HWH

● Not serviced separately

▲ Includes spark arrestor and mounting screw.

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

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

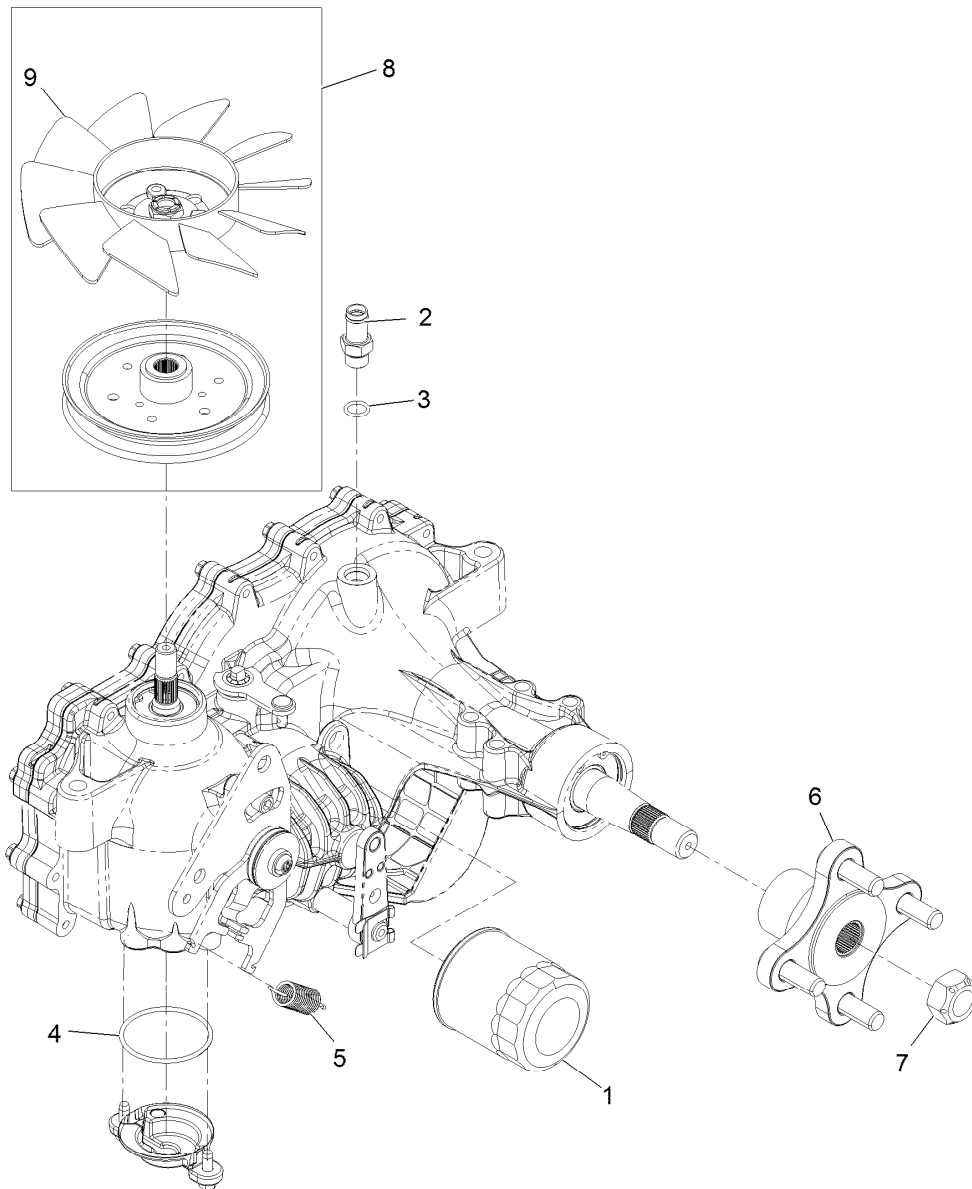


## Hydraulic Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	116-3174	1	Transaxle ASM	11	116-6833	1	Shaft-Spacer
2	116-3173	1	Transaxle ASM	12	3230-7	2	Bolt-Carriage 5/16-18 X 2 1/4
3	3229-1	2	Bolt-Carriage 1/4-20 X 3/4	13	116-5809	2	Spacer-Hydro
4	116-5641	1	Hose-Hydraulic	14	3230-30	2	Bolt-Carriage 5/16-18 X 4 1/2
5	116-5642	1	Hose-Hydraulic	15	126-0327	4	Clamp-Hose
6	109-2250	1	Vent-Tank, Hydro	16	109-5395	2	Arm-Hydro Bypass
6:1	109-3320	1	Cap-Reservoir, HYD	17	32105-15	2	Screw-Machine 1/4-20 X 3/4
7	94-7972	2	Screw-HH W/Loctite ●	18	108-6402	2	Knob-Handle
8	104-7201	2	Nut-Nyloc 1/4-20 Flg	19	1-806003	2	Hairpin-Cotter
9	104-8300	8	Nut-Nyloc 5/16-18 Flg	21	3256-4	2	Washer-3/8 Std
10	3230-9	4	Bolt-Carriage 5/16-18 X 2 3/4				

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

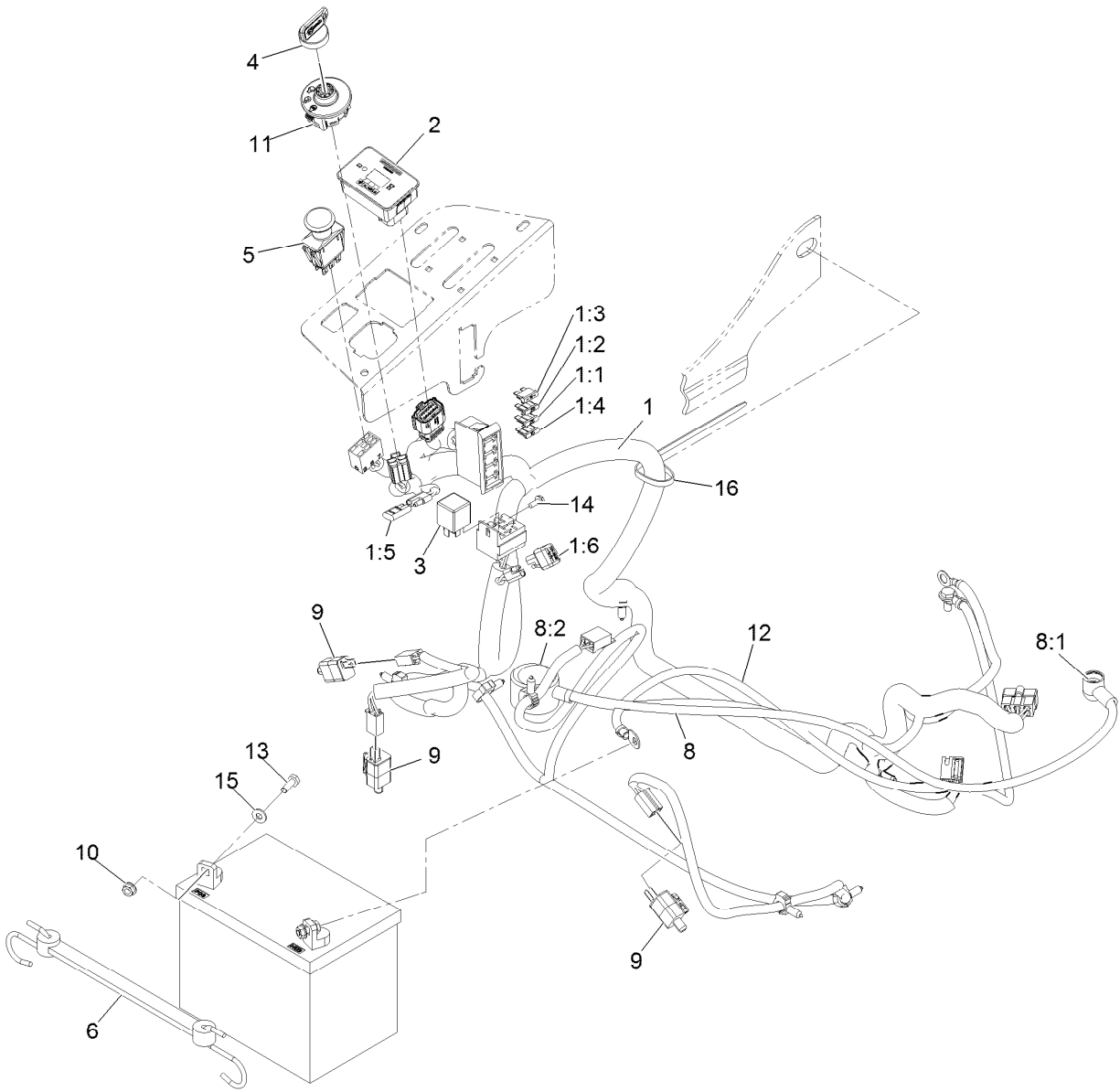




## Transaxle Assembly

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	Seal Kit ●

● Not illustrated



## Electrical Assembly

<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	116-4861	1	Harness, Wire ●	8	109-7630	1	Positive Battery Cable ASM
1:1	109102	1	Fuse-Blade, 25 Amp	8:1	109-2407	1	Insulator-Battery
1:2	1-816001	1	Fuse-Blade Type, 20 Amp	8:2	1-543393	1	Insulator-Solenoid
1:3	109355	1	Fuse-Blade, 15 Amp	9	110-6765	3	Switch
1:4	218-578	1	Fuse-Blade, 10 Amp	10	32128-33	2	Nut-Whizlock 1/4-20
1:5	116-0053	1	Cap-Plug	11	117-2221	1	Switch-Ignition
1:6	103-3895	1	Diode-Tvs	12	117-7240	1	Cable-Battery, Negative
2	116-5609	1	Module ASM	13	321-4	2	Screw-HH 1/4-20 X 3/4
3	1-643275	1	Relay-12Vdc 40 Amp	14	32144-1	1	Screw-HWH #10-24 X 1/2 Taptite
4	1-603511	1	Key-Ignition	15	3256-22	2	Washer-1/4 Sae
4	103-2106	1	Key-Exmark Logo	16	1-303335	1	Tie-Cable 7 15/16 (Large)
5	103-5221	1	Switch-PTO				
6	104-2466	1	Holddown-Battery				

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

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HITCH KIT	TURF STRIPER
LIGHT KIT	ULTRA VAC COLLECTION SYSTEM
12V POWER PORT	ULTRA VAC QUICK DISPOSAL SYSTEM
MICRO-MULCH SYSTEM	

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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.  
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