

BigDog[®] Mowers

Alpha

Parts Manual



.....

200 S. Ridge Road

...

Hesston, Kansas

.

67062

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General Information

This manual covers BigDog® Alpha Mower models 932897EX, 932913EX & 933374EX.

Service Literature

PART NO.	DESCRIPTION
605045	OPERATOR'S MANUAL
119552EX	WARRANTY STATEMENT
119293	GENERAL SERVICE MANUAL

Options Available From Your Dealer

PART NO.	DESCRIPTION
933010	CATCHER
117578	42" MULCH KIT
117581	52" MULCH KIT
109633	ENGINE GUARD KIT
119600	LIGHT KIT (42")
333724	STEERING EXTENSION KIT
799288	FLEX FORK KIT
119783	ARMREST KIT (42")

Note: When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and service representative.

Note: Items sold in bulk such as seals and hoses are sold by the foot.

Using This Manual

This manual is part of a service package for the BigDog® mowers. Use of this manual in conjunction with other BigDog® mower and component manuals will provide the information necessary to service and maintain BigDog® mowers.

This Parts Manual provides a complete parts listing for the unit. Use this manual when ordering parts. Illustrations used were current at the time of printing, but subsequent production changes may cause your machine to vary slightly in detail. Excel Industries, Inc. reserves the right to redesign and change the machine as deemed necessary, without notification. If a change has been made to your machine which is not reflected in this parts manual, see your authorized dealer for current information and parts.

The Service Manual is a service guide for use by Service Technicians. It provides the necessary information needed to perform normal maintenance requirements on these units.

The Operator's Manual provides fundamental operational information and operational safety that is needed when operating the mower.

The component manuals are furnished by the various manufacturers to be used for the troubleshooting and servicing of their products.

Hardware Description Codes & Abbreviations

The following codes are used throughout this parts manual. Refer to this list when ordering parts.

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
CB	CARRIAGE BOLT	MB	MACHINE BUSHING
CE	CLEVIS PIN	MS	MACHINE SCREW
CN	CLIP NUT	NT	NUT
CP	COTTER PIN	SC	SELF TAPPING CAP SCREW
CS	CAP SCREW	SH	SOCKET HEAD
CW	CUP WASHER	SB	SHOULDER BOLT
FDRW	FENDER WASHER	SS	SET SCREW
FW	FLAT WASHER	OD	OUTSIDE DIAMETER
HX	HEX HEAD	ID	INSIDE DIAMETER
LW	LOCK WASHER		

Standard Torques

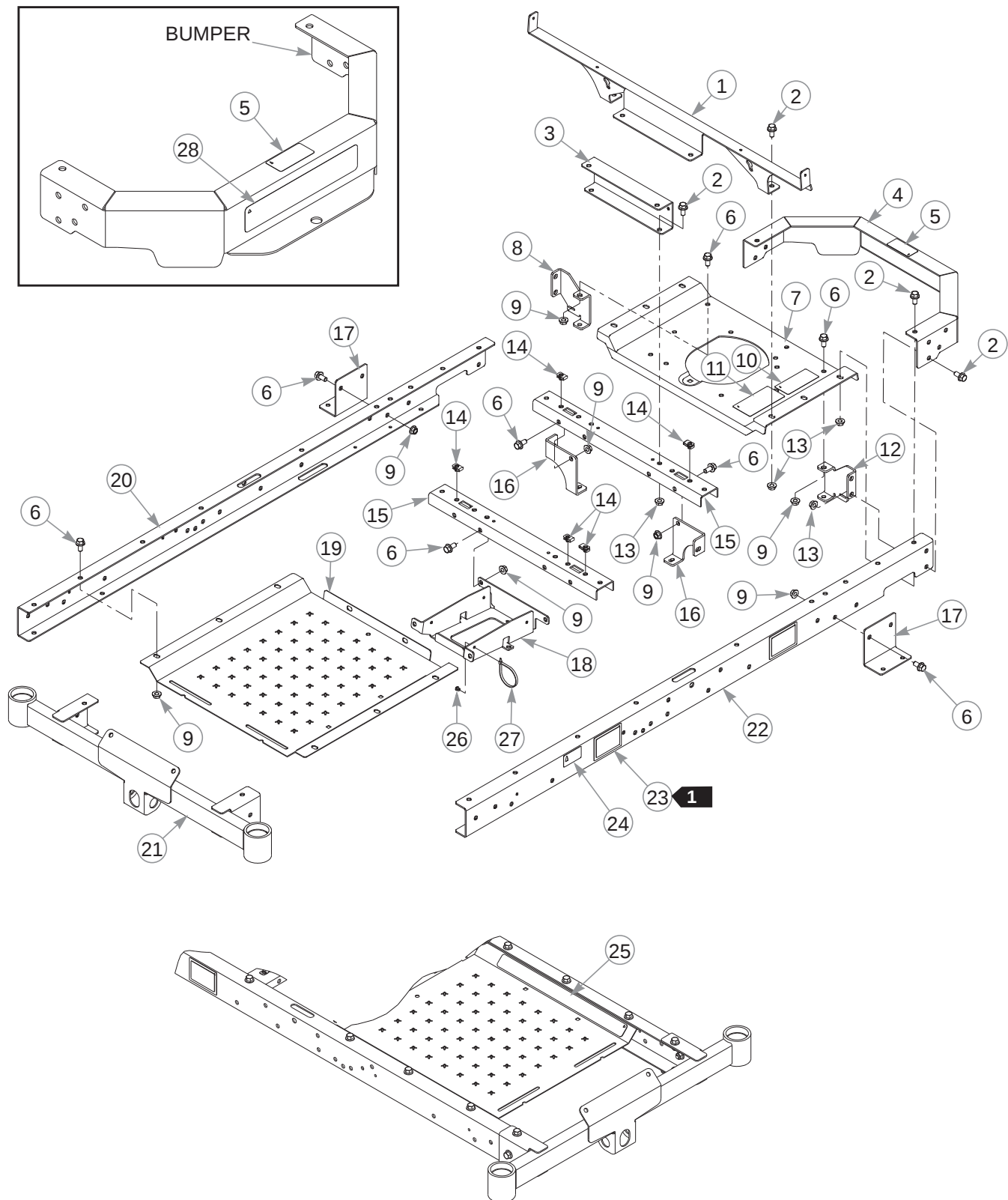
The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener.

SIZE	FT-LBS	N-M	SIZE	FT-LBS	N-M
.250	8.2	11.1	M3	1	1.3
.312	17	23	M4	2.2	3
.375	30	40	M5	4.5	6.1
.438	48	65	M6	7.7	10.4
.500	73	99	M8	18.5	25
.562	105	143	M10	37	50
.625	145	200	M12	64	87
.750	260	350	M14	80	108.5
.875	420	565	M16	160	215
1.00	625	850	M20	320	435
			M24	555	750

Section 2

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36" Frame



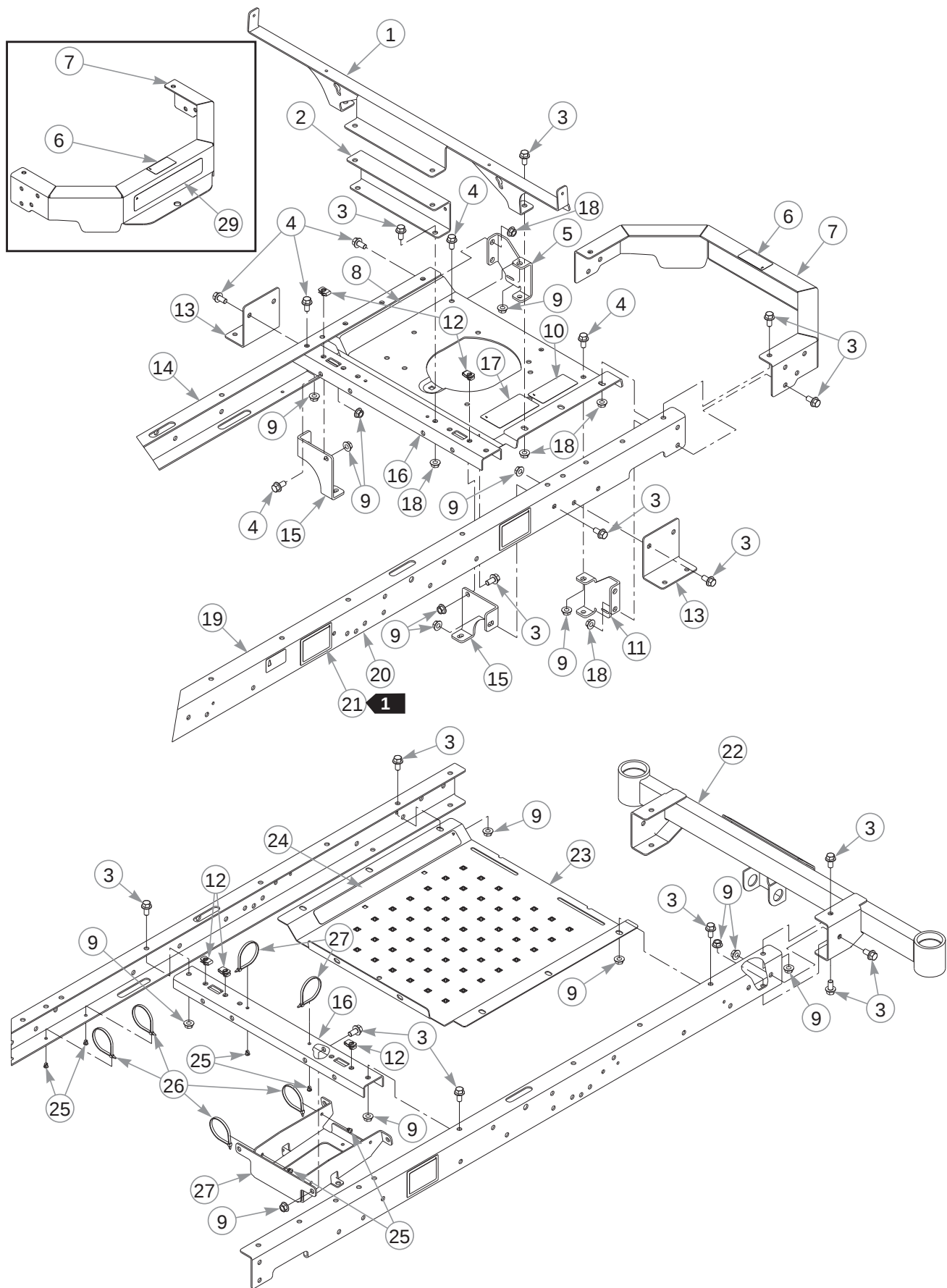
36" Frame

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	116126	1	SEAT SUPPORT
2	029629	10	CS .375-16 X .75 HX FLK
3	116127	1	SPRING SUPPORT
4	552420	1	BUMPER (WITH DECAL)
5	602041	1	HOT DECAL
6	604176	30	CS .375-16 X .75 HX FLK PLN
7	551858	1	ENGINE PLATE (WITH DECALS)
8	551859	1	RS REAR BRACKET
9	604177	30	NT .375-16 HX FLK PLN
10	601967	1	ENGINE COMPARTMENT DECAL
11	600899	1	PUMP BELT WARNING DECAL
12	551860	1	LS REAR BRACKET
13	016899	10	NT .375-16 HX FLK ZNYC
14	601982	5	CN .250-20 X .15 MAX THK
15	551861	2	CROSS SUPPORT
16	551862	2	RS FRONT BRACKET
17	551863	2	HYDRO BRACKET
18	551864	1	BATTERY TRAY
19	551865	1	FOOT PAN (WITH DECAL)
20	551866	1	RS FRAME CHANNEL (WITH DECAL)
21	551867	1	FRONT CROSS FRAME
22	551868	1	LS FRAME CHANNEL (WITH DECALS)
23	N/A	1	SERIAL NUMBER / SPEC DECAL
24	727172	1	MADE IN USA DECAL
25	601981	1	SAFE OPERATION DECAL
26	604307	6	PUSH BUTTON MOUNT
27	000331	6	WIRE TIE
28	605073	1	BUMPER DECAL

NOTES:

1. Serial number decal. In the event the serial number tag becomes damaged or illegible, please contact your dealer to order a replacement.
2. Torque all hardware to a minimum of 33 ft-lbs.

42" & 52" Frame



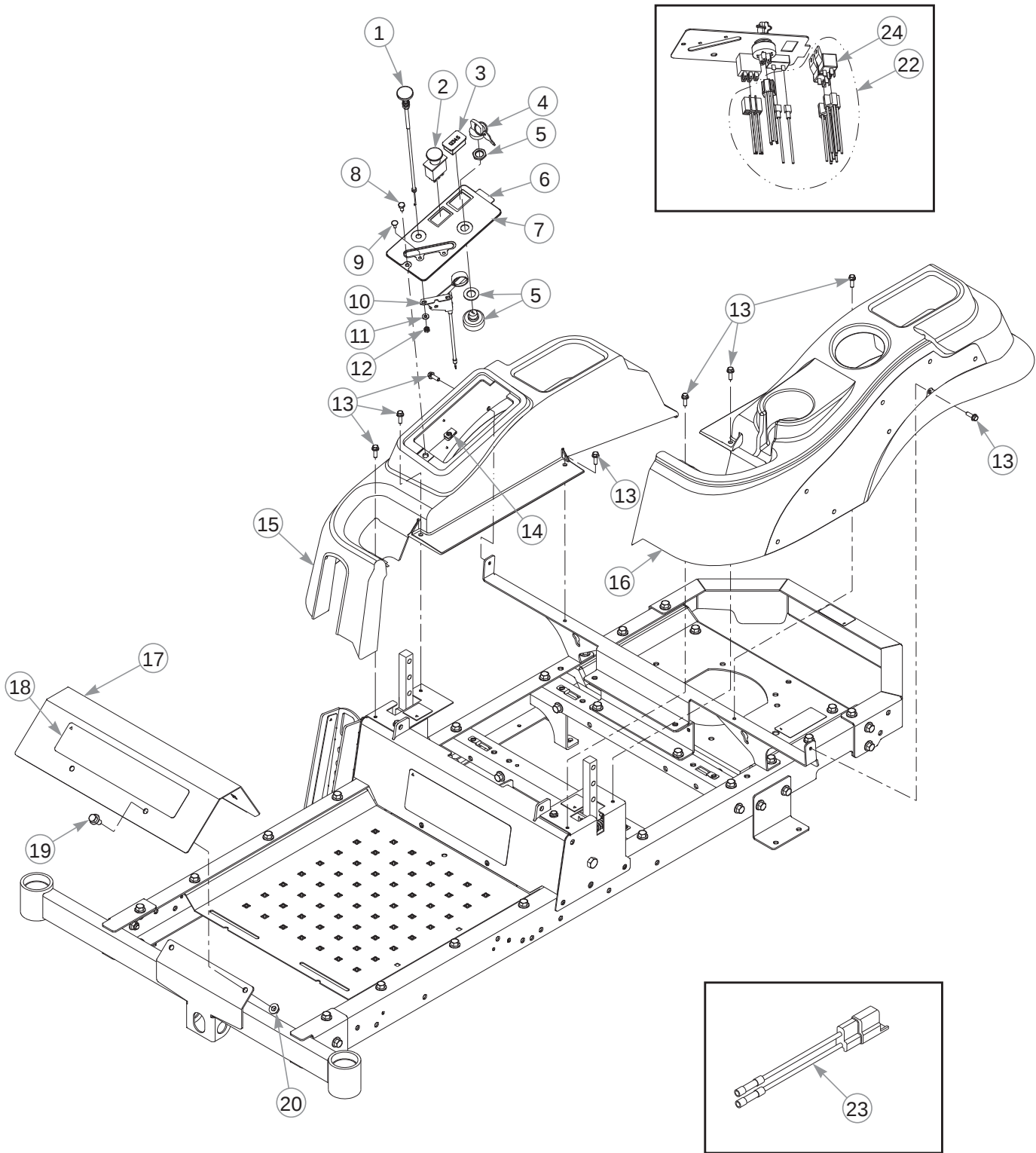
42" & 52" Frame

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	116126	1	SEAT SUPPORT
2	116127	1	SPRING SUPPORT
3	029629	10	CS .375-16 X .75 HX FLK
4	604176	30	CS .375-16 X .75 HX FLK PLN
5	190183	1	RS REAR BRACKET
6	602041	1	HOT DECAL
7	552420	1	BUMPER (WITH DECALS)
8	552421	1	ENGINE PLATE (WITH DECALS)
9	604177	30	NT .375-16 HX FLK PLN
10	601967	1	ENGINE COMPARTMENT DECAL
11	190184	1	LS REAR BRACKET
12	601982	5	CN .250-20 X .15 MAX THK
13	190186	2	HYDRO BRACKET
14	552424	1	RS FRAME CHANNEL
15	190185	2	RS FRONT BRACKET
16	190189	2	CROSS SUPPORT
17	600899	1	PUMP BELT WARNING DECAL
18	016899	10	NT .375-16 HX FLK ZNYC
19	552423	1	LS FRAME CHANNEL (WITH DECALS)
20	727172	1	MADE IN USA DECAL
21	N/A	1	SERIAL NUMBER / SPEC DECAL
22	190188	1	FRONT CROSS FRAME
23	552422	1	FOOT PAN (WITH DECAL)
24	601981	1	SAFE OPERATION DECAL
25	604307	6	PUSH BUTTON MOUNT
26	000331	6	WIRE TIE
27	190187	1	BATTERY TRAY
28	604876	1	WIRE HARNESS (NOT SHOWN)
29	605073	1	BUMPER DECAL

NOTES:

1. Serial number decal. In the event the serial number tag becomes damaged or illegible, please contact your dealer to order a replacement.
2. Torque all hardware to a minimum of 33 ft-lbs.

Fenders & Instrument Panel

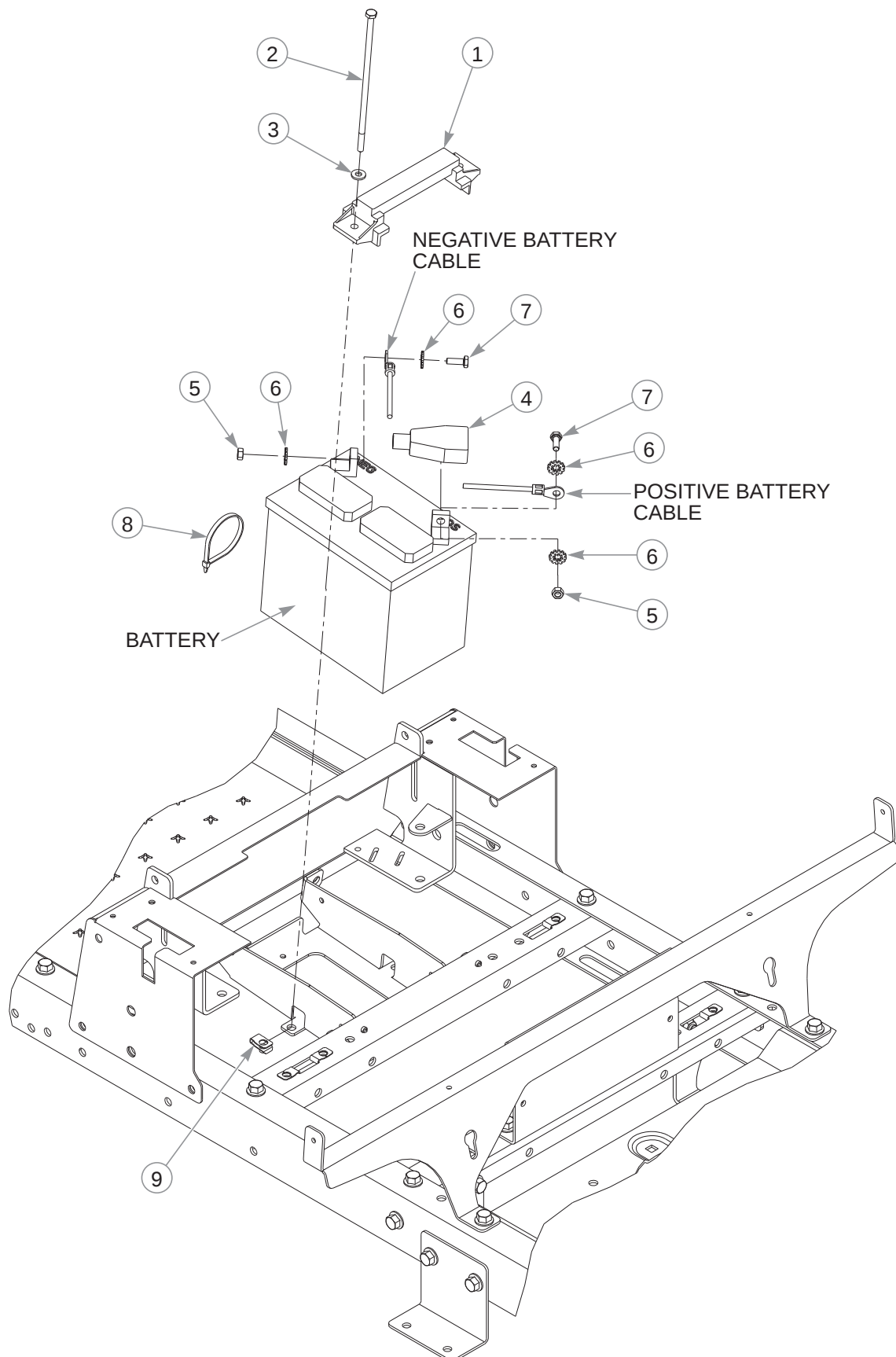


Fenders & Instrument Panel

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	601097	1	CHOKE CABLE
2	776476	1	PTO SWITCH
3	769166	1	HOUR METER
4	785808	1	KEY ASSEMBLY
5	045898	1	IGNITION SWITCH
6	552300	1	INSTRUMENT PANEL (WITH DECAL)
7	604889	1	INSTRUMENT PANEL DECAL
8	055947	1	CS .250-20 X .50 HX G5
9	601098	2	CB 10-24 X .500 ZYNC
10	601096	1	THROTTLE CABLE
11	704932	2	FW .219 X .500 X .048 ZNYC
12	059832	2	NT #10-24 HX NL ZN
13	604324	8	CS .250-20 X .75 HX FLG
14	601982	1	CN .250-20 X .15 MAX THK
15	605083	1	RS FENDER
16	605082	1	LS FENDER
17	552432	1	FOOTREST (WITH DECAL)
18	605072	1	BIG DOG DECAL
19	029629	2	CS .375-16 X .75 HX FLK
20	016899	2	NT .375-16 HX FLK ZNYC
21	000331	2	WIRE TIE (NOT SHOWN)
22	604876	1	WIRE HARNESS
23	114052	1	CLUTCH CONNECTOR REPAIR KIT
24	601053	2	SEALED RELAY (WITH BRACKET)

NOTES:

Battery



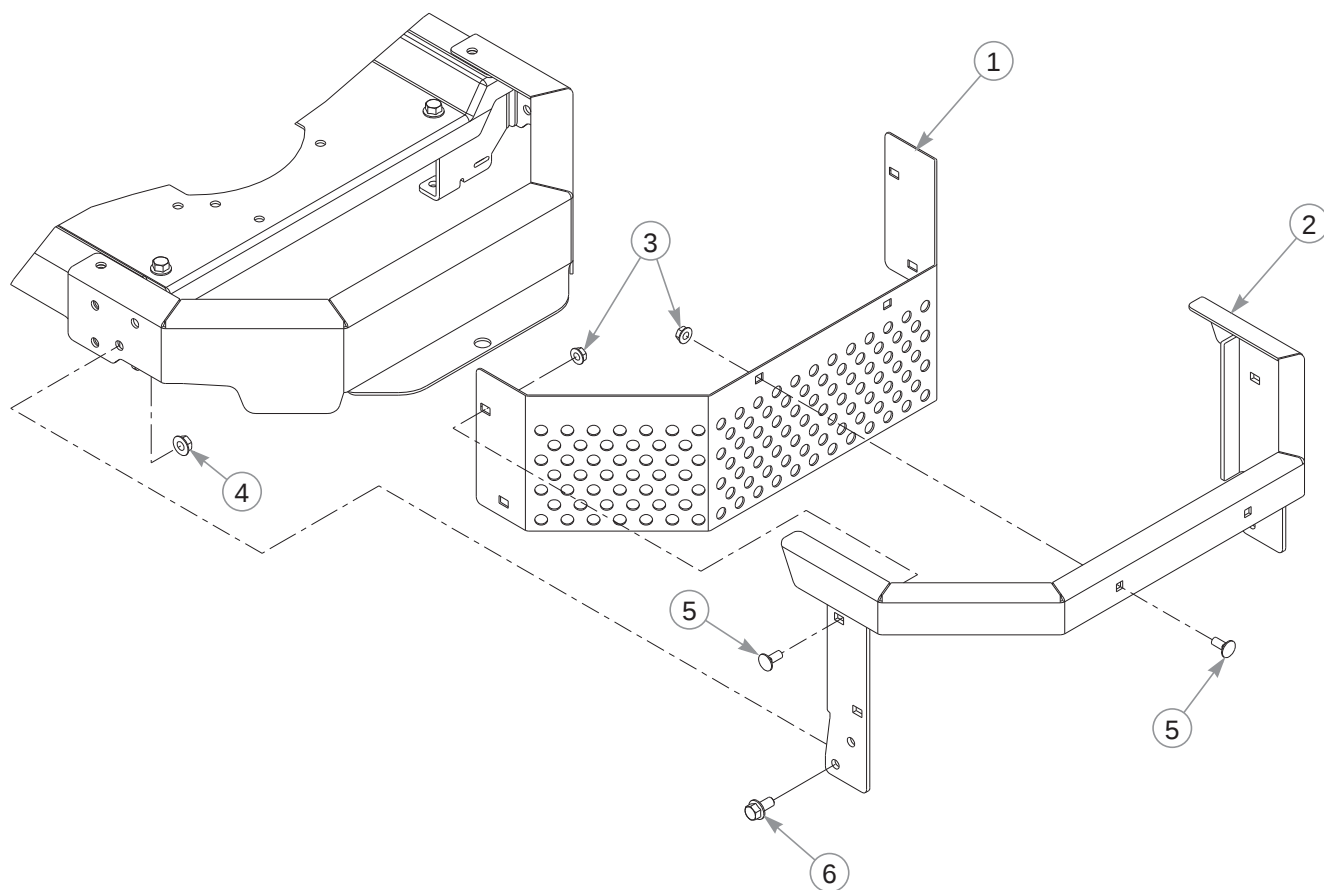
Battery

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604178	1	TIE DOWN STRAP
2	604465	2	CS 0.250-20 X 7.50 HX G5
3	768515	2	FW .281 X .625 X .051/.080 HD ZN/YL
4	771428	1	RED BATTERY CABLE BOOT
5	024927	2	NT .250-20 HX G5 ZNYC
6	029868	4	LW .250 INT-EXT TOOTH Z
7	055939	2	CS .250-20 X .75 HX G5
8	000331	2	WIRE TIE
9	601982	2	CN .250-20 X .15 MAX THK

NOTES:

1. When performing service on the mower, disconnect the negative battery cable and do not reconnect it to the battery until the engine is ready to be started.

Engine Guard

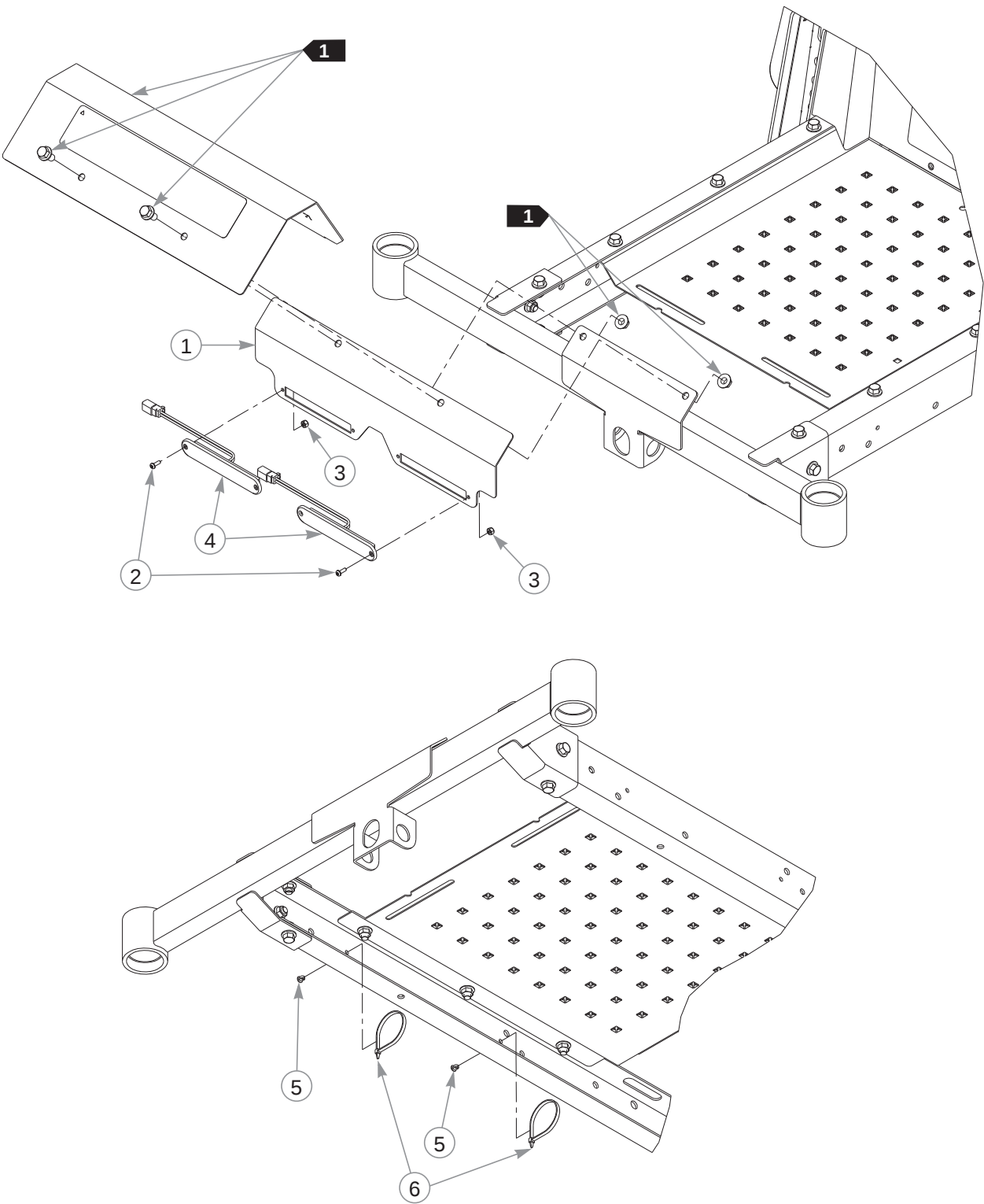


INDEX NO.	PART NO.	QTY	DESCRIPTION
1	119236	1	ENGINE GUARD SCREEN
2	190173	1	ENGINE GUARD
3	016832	6	NT .312-18 HX FLK ZNYC
4	016899	4	NT .375-16 HX FLK ZNYC
5	016253	6	CB .312-18 X .75 FUL ZN
6	029629	4	CS .375-16 X .75 HX FLK

NOTES:

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Lights



Lights

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	190181	1	LIGHT ANGLE
2	605209	4	CS #8-32 X .500 PH TRX
3	605208	4	NT #8-32 HX NL ZN
4	605003	2	LIGHT
5	604307	2	PUSH BUTTON MOUNT
6	000331	4	WIRE TIE
7	000430	1	WIRE TIE (NOT SHOWN)
8	605010	1	LIGHT WIRE HARNESS (NOT SHOWN)

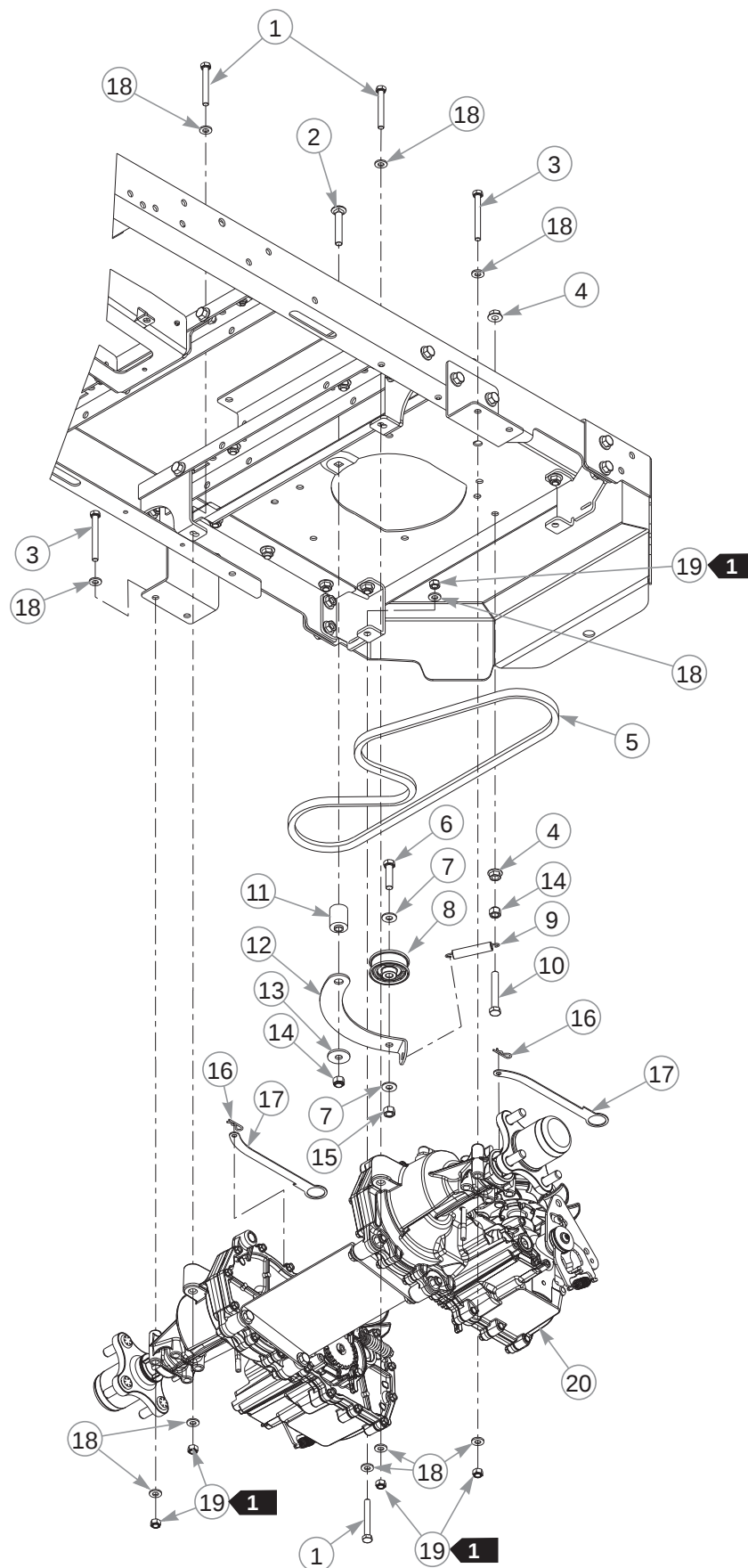
NOTES:

1. Part of the Fender & Instrument Panel Assembly.

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Hydraulic System



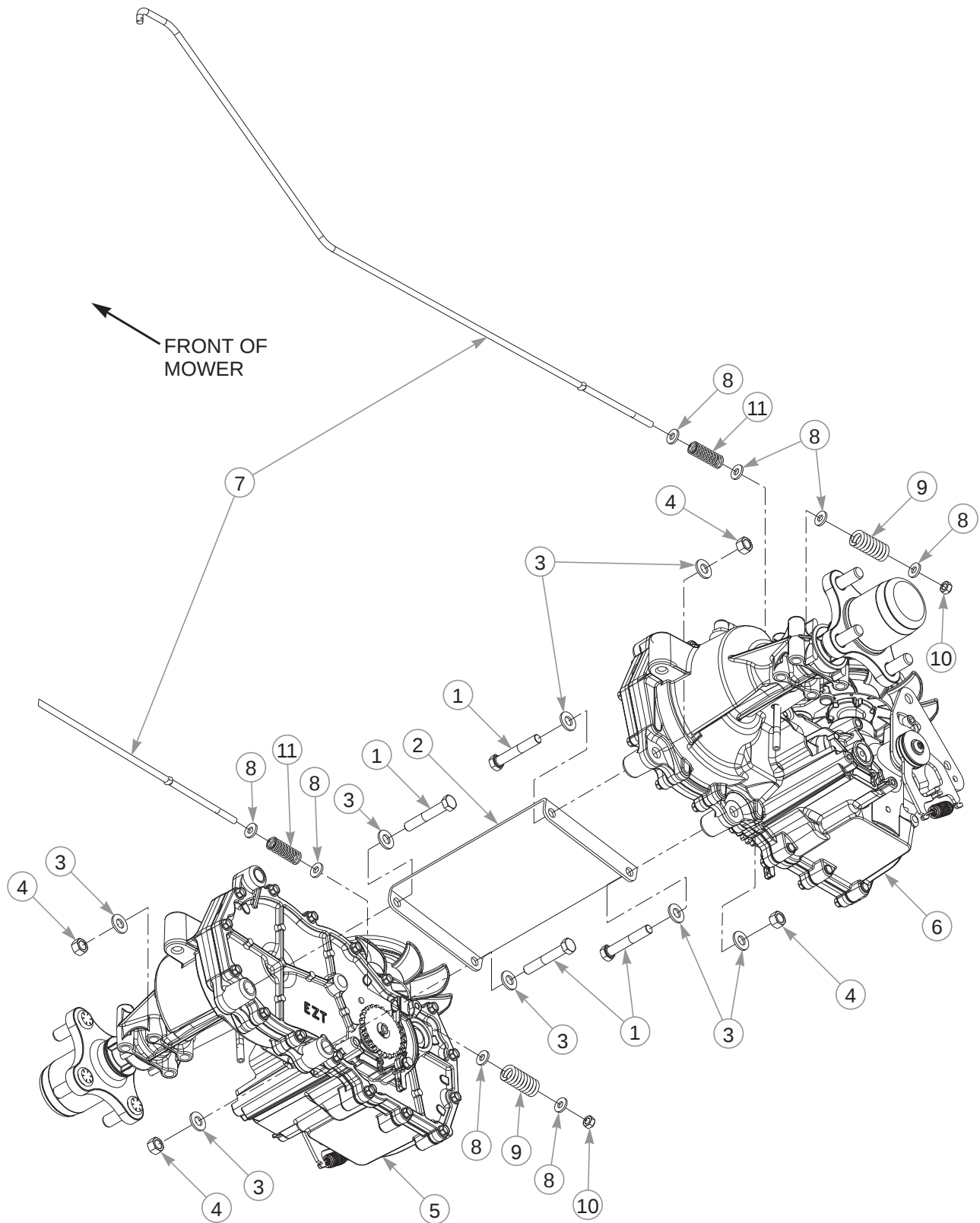
Hydraulic System

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	710087	4	CS .312-18 X 2.50 HX G5
2	604343	1	CB .375-16 X 2.25 STD ZN
3	043067	4	CS .312-18 X 3.00 HX G5 Z
4	016899	2	NT .375-16 HX FLK ZNYC
5	603907	1	DRIVE BELT
6	080655	1	CS .375-16 X 1.50 HX G5
7	767954	2	FW .406 X .812 X .060 SAE
8	604491	1	PULLEY 2.0" IDLER
9	604490	1	SPRING
10	604487	1	CS .375-16 X 2.5 FULTH
11	116289	1	IDLER SPACER
12	116287	1	IDLER ARM
13	712893	1	FW .406 X 1.25 X .12 HRD Z
14	086660	2	NT .375-16 HX ZY NL
15	054502	1	NT .375-16 HX G5 ZNY
16	706549	2	HP .080D X 1.19
17	116218	2	TOW VALVE LINK
18	768523	16	FW .343 X .687 X .051/.080H
19	058776	8	NT 0.312-18 NL G5
20	N/A	1	TRANSMISSION ASSEMBLY

NOTES:

1. Torque to 17 ft-lbs.

Transmission Assembly

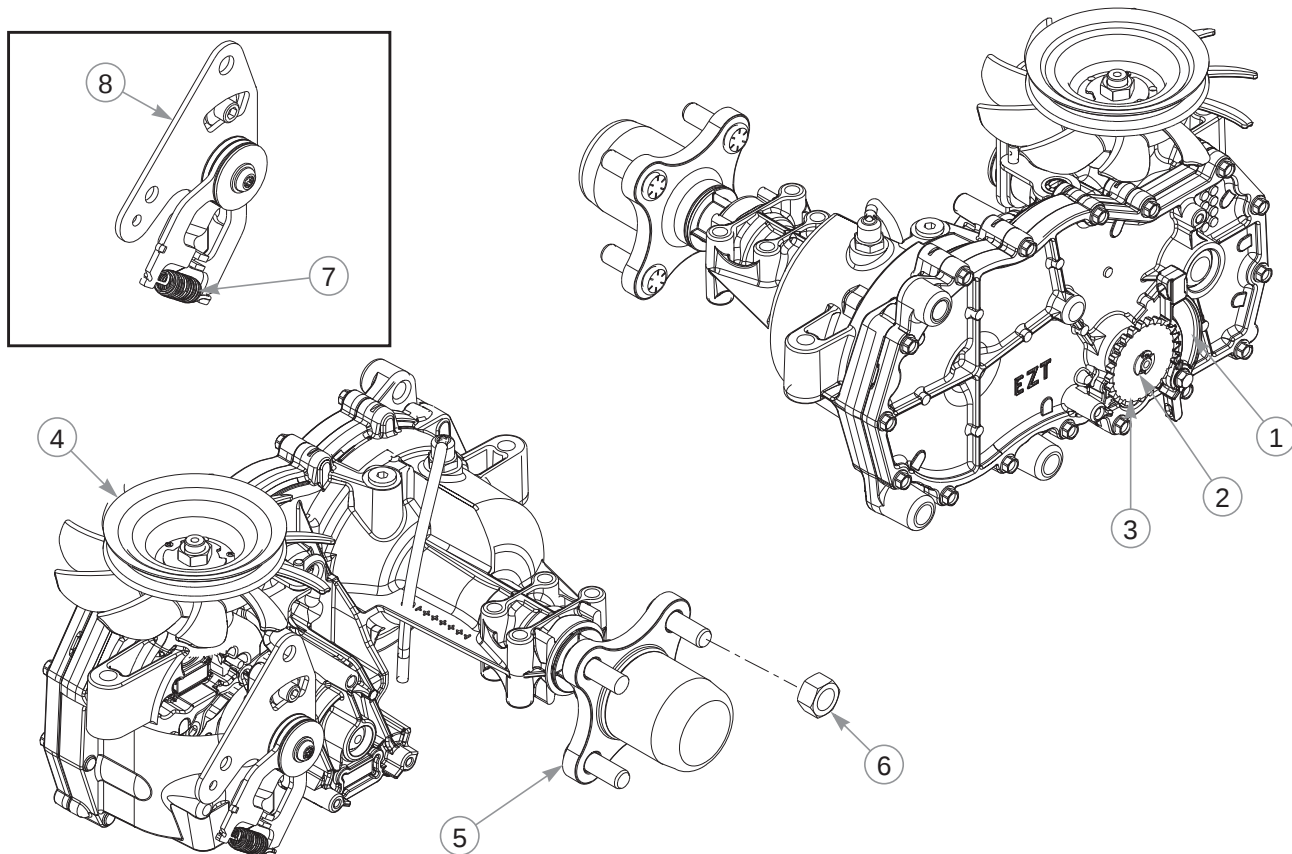


Transmission Assembly

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	056036	4	CS .375-16 X 2.25 HX G5
2	110042	1	HYDROSTAT CROSS BRACE
3	767954	8	FW .406 X .812 X .060 SAE
4	054502	4	NT .375-16 HX G5 ZNY
5	604127	1	RS TRANSMISSION
6	604128	1	LS TRANSMISSION
7	116143	2	ACTUATOR
8	768515	8	FW .281 X .625 X .051/.080 HD ZN/YL
9	601051	2	OVERTRAVEL SPRING
10	068551	2	NT .250-20 HX ZY NL
11	601131	2	SPRING

NOTES:

Transmission Service Parts



604127 RIGHT SIDE TRANSMISSION

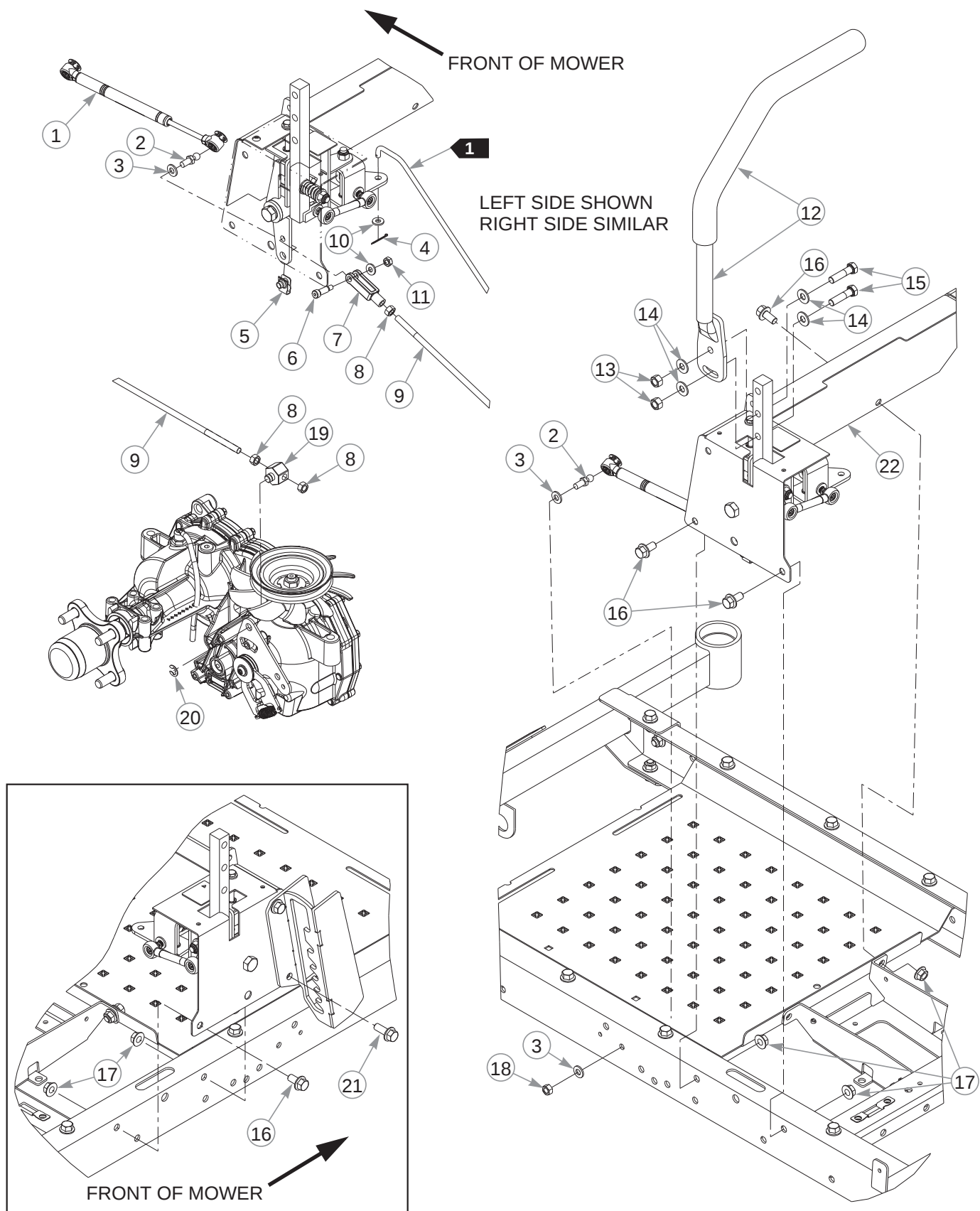
INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	795047	1	PARKING PAWL KIT
2	798371	1	RETAINING RING
3	798363	1	PARK BRAKE GEAR
4	602094	1	FAN/PULLEY KIT
5	601433	1	4 BOLT HUB KIT (WITH NUT)
6	788877	1	HUB NUT
7	604903	1	HG RTN SPRING
8	604901	1	HG RTN CW

604128 LEFT SIDE TRANSMISSION

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	795047	1	PARKING PAWL KIT
2	798371	1	RETAINING RING
3	798363	1	PARK BRAKE GEAR
4	602094	1	FAN/PULLEY KIT
5	601433	1	4 BOLT HUB KIT (WITH NUT)
6	788877	1	HUB NUT
7	604903	1	HG RTN SPRING
8	604902	1	HG RTN CCW

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Steering & Brake



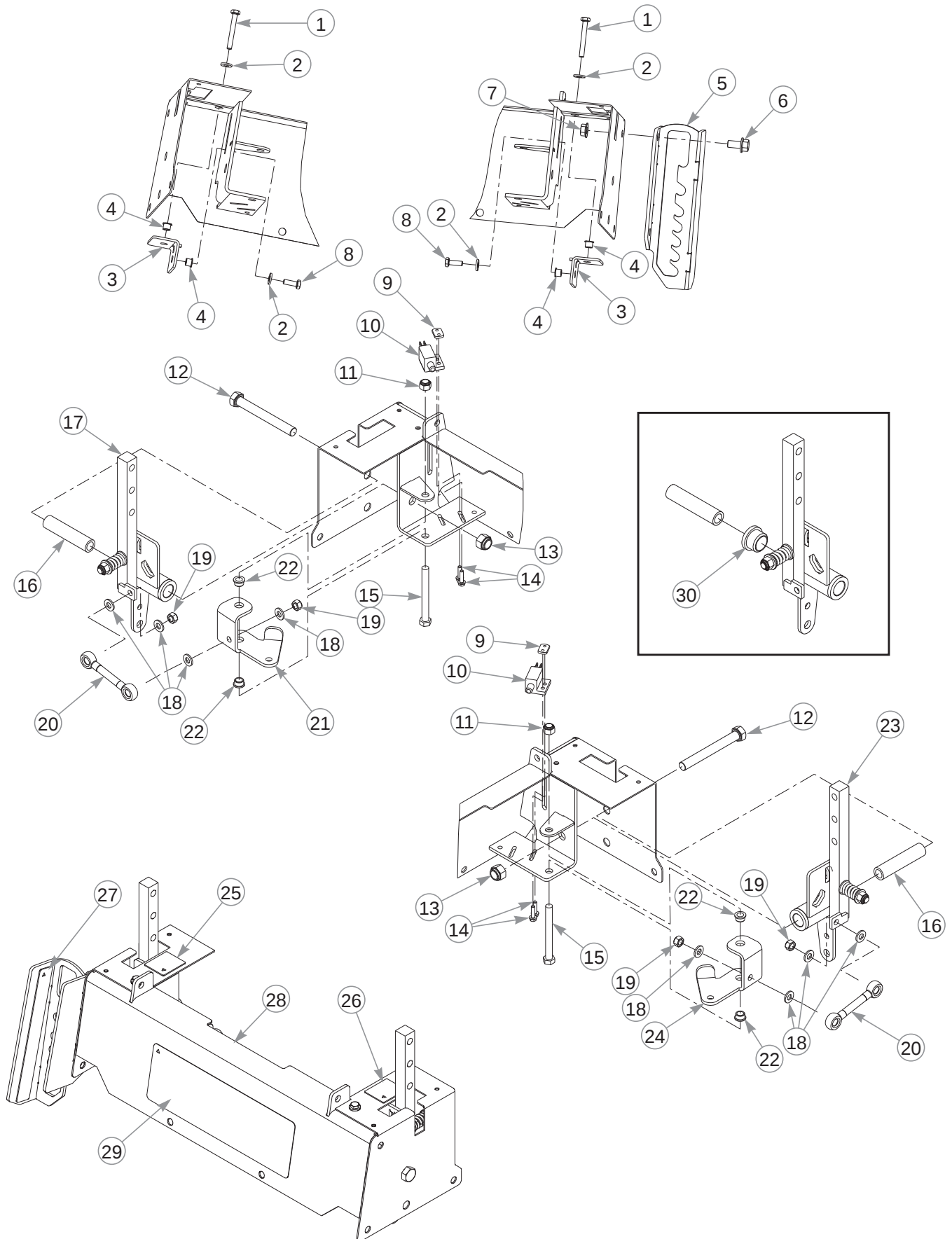
Steering & Brake

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	603983	2	DAMPER
2	781922	4	BALL STUD
3	768523	6	FW .343 X .687 X .051/.080H
4	048553	2	CP .062D X 1.00 LG HML Z
5	601069	2	CN .312-18 X .20 MAX THK
6	772483	2	SB .312 X .75 SH .250-20
7	604173	2	YOKE, 5/16-24
8	041152	6	NT .312-24 HX ZNYC
9	603905	2	STEERING ROD
10	768515	4	FW .281 X .625 X .051/.080 HD ZN/YL
11	068551	2	NT .250-20 HX ZY NL
12	110370	2	STEERING BAR (WITH GRIP)
	781260	1	STEERING BAR GRIP
13	054502	4	NT .375-16 HX G5 ZNY
14	767954	8	FW .406 X .812 X .060 SAE
15	080655	4	CS .375-16 X 1.50 HX G5
16	029629	5	CS .375-16 X .75 HX FLK
17	016899	6	NT .375-16 HX FLK ZNYC
18	034272	2	NT .312-18 HX G5 ZNYC
19	116144	2	STEERING BUSHING
20	603332	2	CLIP
21	029751	1	CS .375-16 X 1.00 HXFLK
22	N/A	1	STEERING COVER ASSEMBLY

NOTES:

1. Part of the Hydraulic Assembly.

Steering Cover Assembly



Steering Cover Assembly

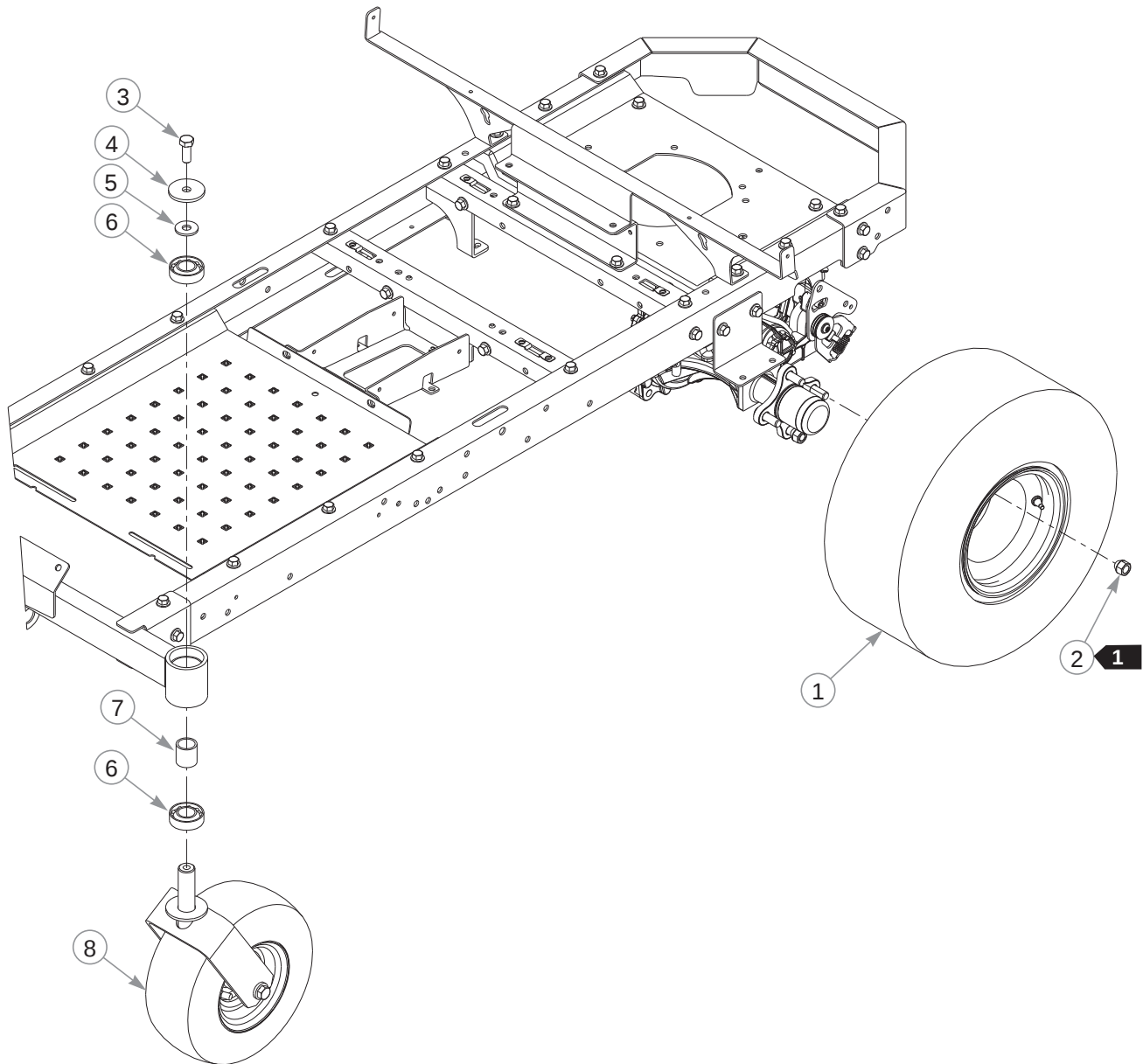
INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604452	2	CS .250-20 X 2.00 HX FLTHD
2	768515	4	FW .281 X .625 X .051/.080 HD ZN/YL
3	117540	2	DRIVE STRAIGHT STOP
4	808477	4	1/4-20 THREAD RIVET NUT
5	551912	1	LATCH WITH DECAL
6	029629	1	CS .375-16 X .75 HX FLK
7	016899	1	NT .375-16 HX FLK ZNYC
8	055939	2	CS .250-20 X .75 HX G5
9	601822	2	NUT PLATE .420 CENTERS
10	781211	2	PUSH BUTTON SWITCH
11	086660	2	NT .375-16 NL G5
12	781708	2	CS .500-13 X 4.25 HX G5
13	781567	2	NT .500-13 NL G5
14	063198	4	CS 10-24 X .75 HX FLK ZN
15	005108	2	CS .375-16 X 3.50 HX G5 Z
16	604288	2	STEERING SPACER
17	604300	1	LS STEERING BOX
18	768523	8	FW .343 X .687 X .051/.080H
19	058776	4	NT .312-18 HX NL G5
20	604179	2	BRAKE ROD
21	116142	1	LS BRAKE BELLCRANK
22	765339	4	BUSHING
23	604299	1	RS STEERING BOX
24	116141	1	RS BRAKE BELLCRANK
25	785220	1	RS STEERING DECAL
26	785139	1	LS STEERING DECAL
27	604275	1	DECK HEIGHT DECAL
28	552456	1	STEERING COVER
29	605074	1	KICK PAN DECAL
30	781153	2	BUSHING

NOTES:

Section 4

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Wheel & Tire



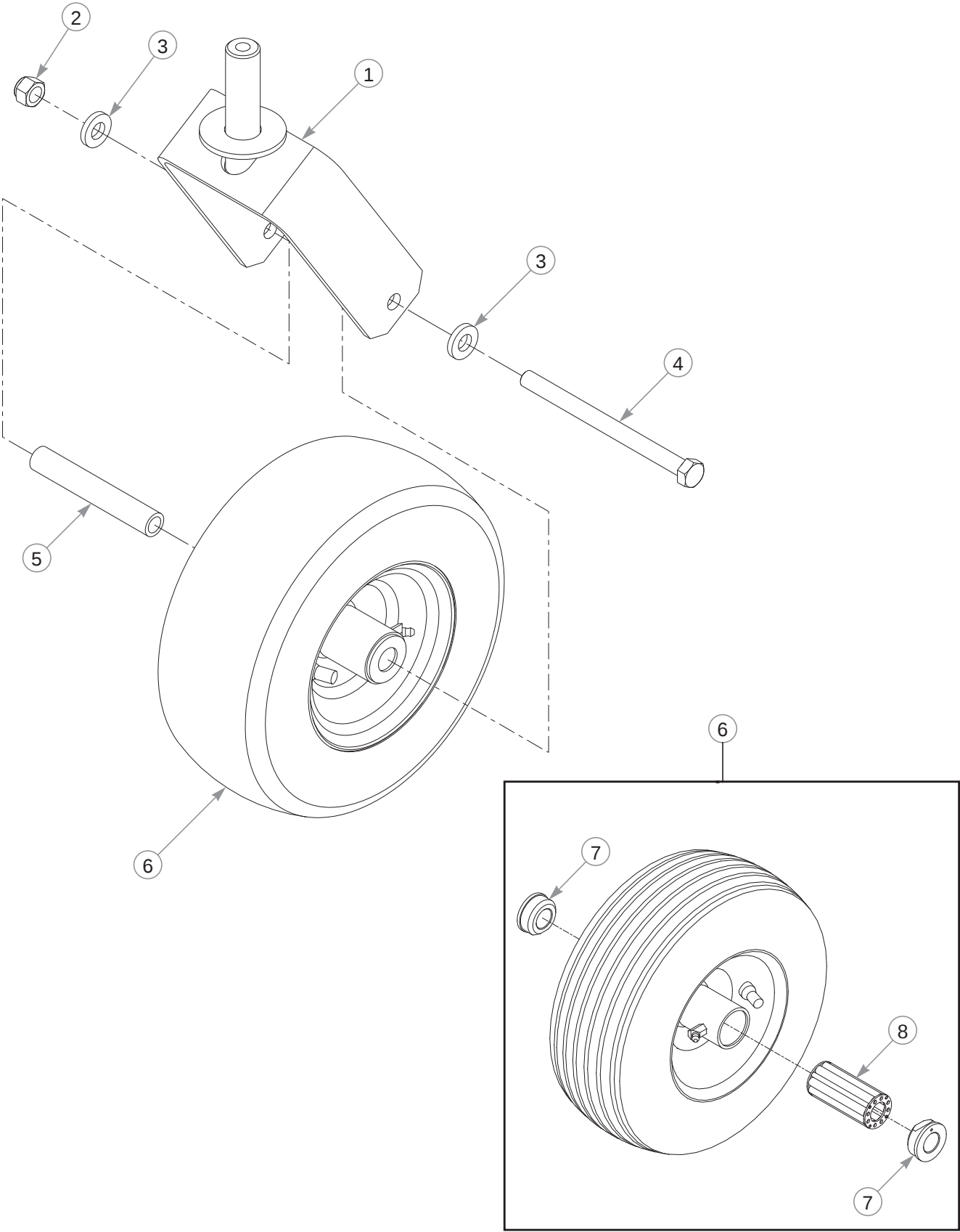
Wheel & Tire

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604963	2	TIRE/WHEEL ASSEMBLY 18 X 8.5-8 (42" & 52" MOWERS)
	605263	2	TIRE/WHEEL ASSEMBLY 18 X 7.0-8 (36" MOWERS)
2	061077	8	WHEEL NUT
3	705954	2	CS .500-13 X 1.25 HX G5 ZN
4	344267	2	FW .510 X 2.15 X .187 SPL
5	712976	2	FW .531 X 1.375 X .125 ZNY
6	784223	4	BEARING
7	784603	2	SPACER
8	N/A	1	FRONT WHEEL ASSEMBLY

NOTES:

1. Torque to 65–75 ft-lbs.

Front Wheel Breakdown

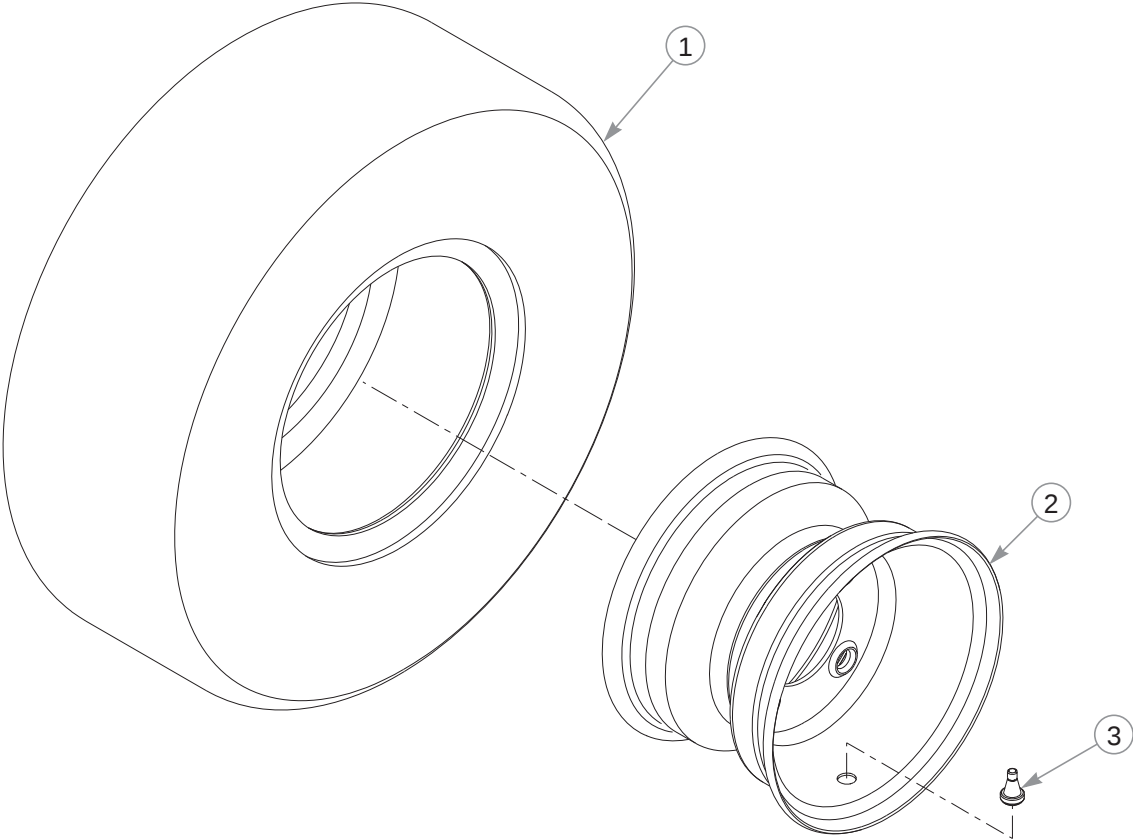


Front Wheel Breakdown

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	190026	1	CASTER FORK
2	781567	1	NT .500-13 HX G8 ZY NL
3	767962	2	FW .531 X 1.063 X .090 SAE
4	042630	1	CS .500-13 X 6.50 HX G5 Z
5	306969	1	GAUGE WHEEL SPACER
6	604962	1	TIRE/WHEEL 11 X 4-5 SMOOTH
7	772806	2	BEARING CAP
8	772814	1	3/4" ROLLER BEARING

NOTES:

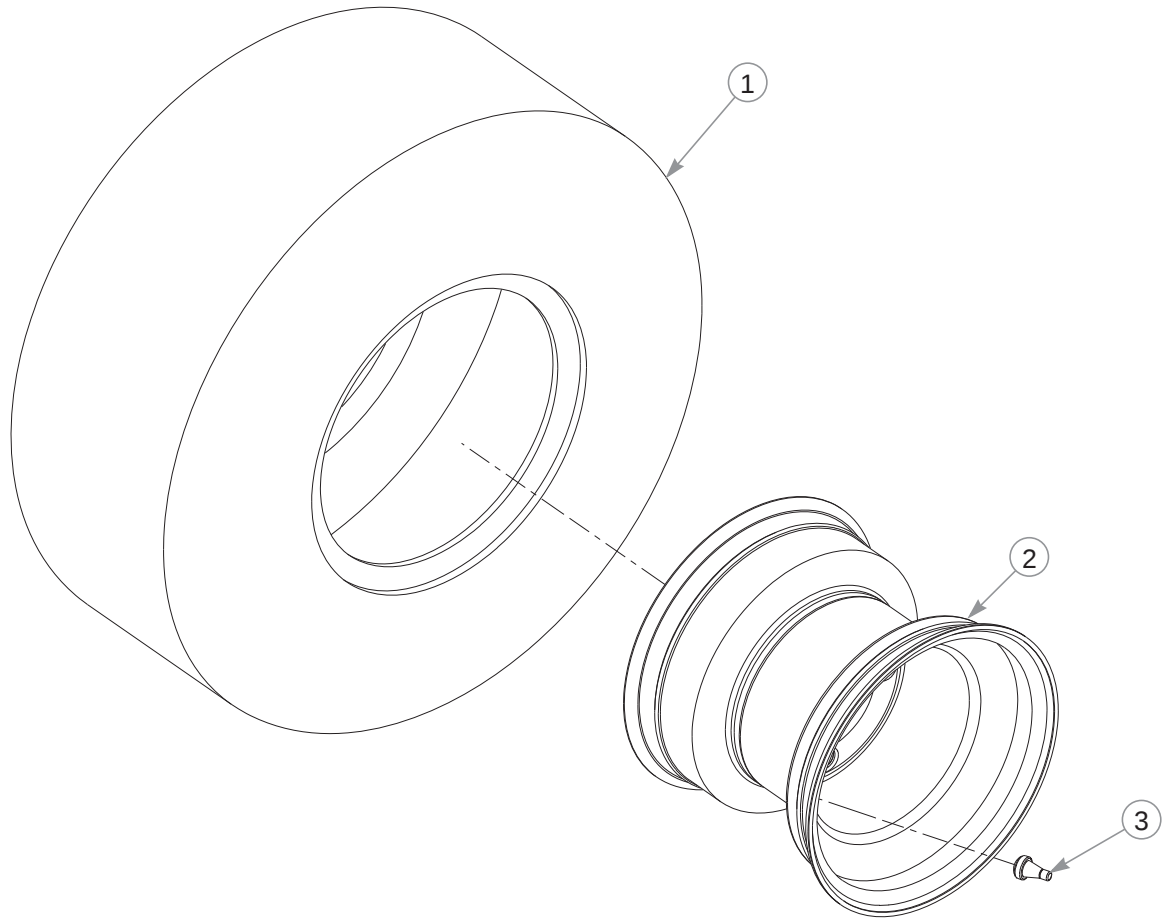
Drive Wheel Breakdown—18 X 7.0-8



INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	605433	1	TIRE, 18 X 7.0-8
2	605264	1	WHEEL, 8 X 6.937
3	019521	1	VALVE STEM

NOTES:

Drive Wheel Breakdown—18 x 8.5-8



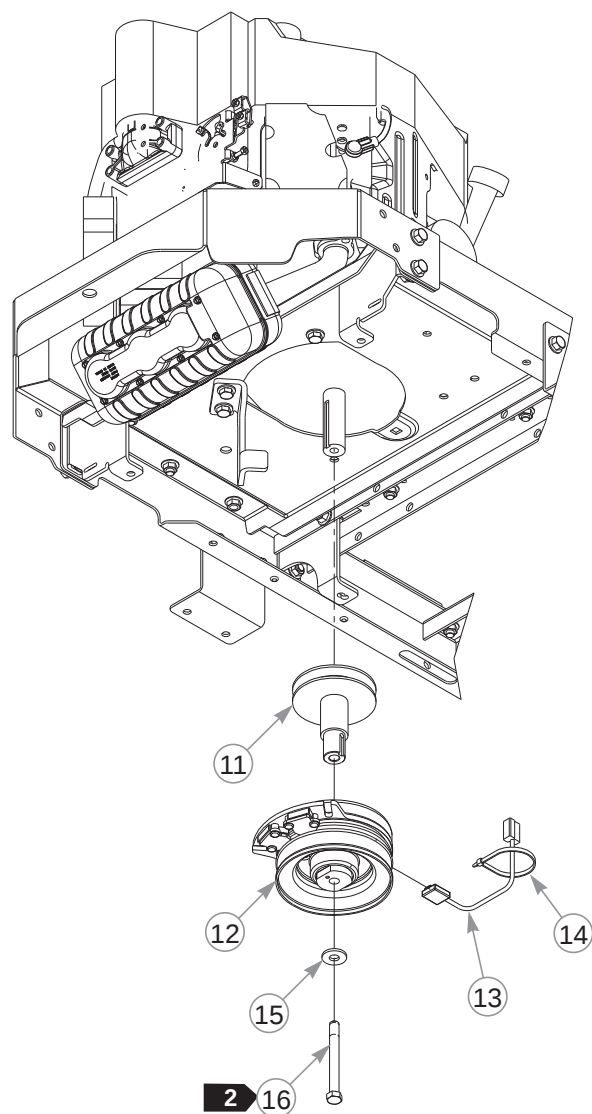
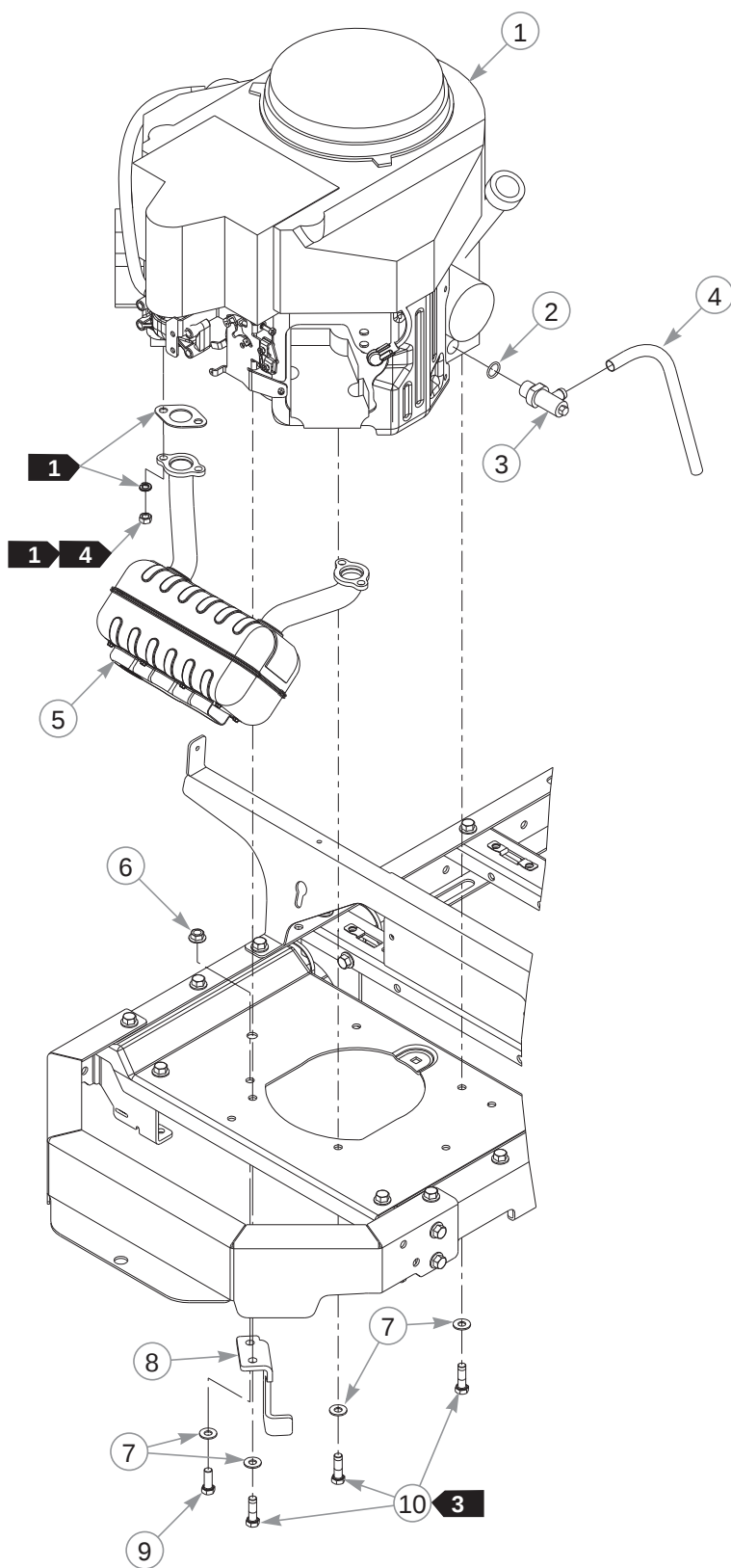
INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604267	1	TIRE, 18 X 8.5-8
2	604964	1	WHEEL, 8 X 6.937
3	019521	1	VALVE STEM

NOTES:

Section 5

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Engine, Kawasaki FR541V

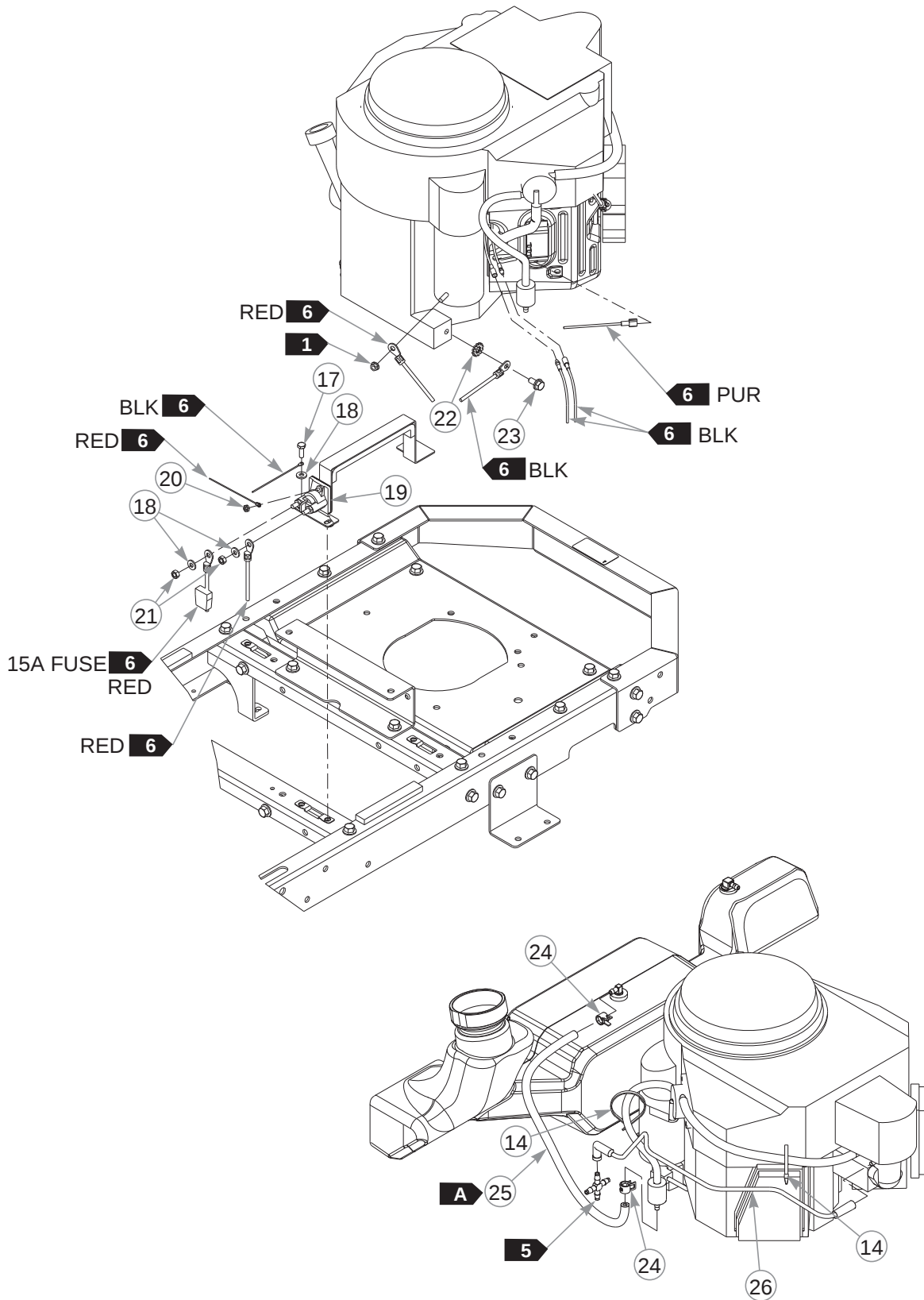


Engine, Kawasaki FR541V

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	N/A	1	KAWASAKI FR541V ENGINE
2	604369	1	O-RING
3	604350	1	OIL DRAIN VALVE
4	604463	12"	OIL DRAIN HOSE
5	602999	1	MUFFLER
6	016899	1	NT .375-16 HX FLK ZNYC
7	767954	5	FW .406 X .812 X .060 SAE
8	116290	1	CLUTCH ANCHOR
9	036244	1	CS .375-16 X 1.00 HX G5
10	602580	4	CS .375-16 X 1.25 HX G5 P85
11	604185	1	STUB SHAFT PUMP PULLEY
12	604244K	1	CLUTCH KIT
13	791251	1	CLUTCH HARNESS PIGTAIL
14	000331	3	WIRE TIE
15	602680	1	FW .453 X 1.12 X .119 HRD
16	604271	1	CS .437-20 X 4.00 HX G5

NOTES:

1. Supplied with the engine.
2. Torque to 45–48 ft-lbs. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
3. Torque to 30–35 ft-lbs. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
4. Torque the nuts to 22 ft-lbs.



Engine, Kawasaki FR541V

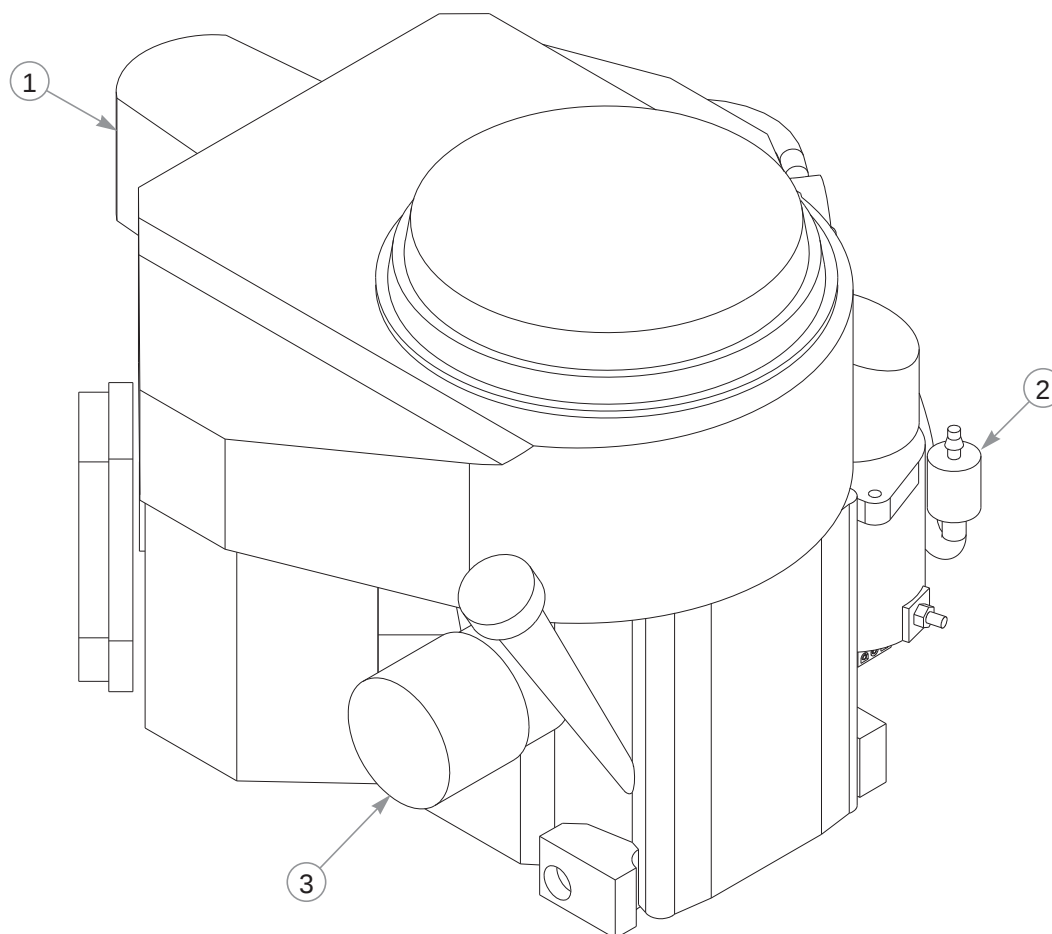
INDEX NO.	PART NO.	QTY.	DESCRIPTION
17	055939	2	CS .250-20 X .75 HX G5
18	768515	4	FW .281 X .625 X .051/.080 HD ZN/YL
19	030817	1	STARTER SOLENOID
20	044255	1	NT #10-32 HX ZN
21	024927	2	NT .250-20 HX G5 ZNYC
22	029876	1	LW .312 INT-EXT TOOTH
23	720516	1	CS M8 X 1.25 X 16 HX G10.9
24	000323	2	HOSE CLAMP
25	015818	18"	1/4" FUEL LINE
26	604274	1	3/16" FORMED VAPOR LINE

NOTES:

FUEL LINE LENGTHS		
 A	18"	TANK TO FUEL FILTER (FUEL)

- 5. Part of the fuel system.
- 6. Part of the wire harness.

Engine Service Parts, Kawasaki FR541V

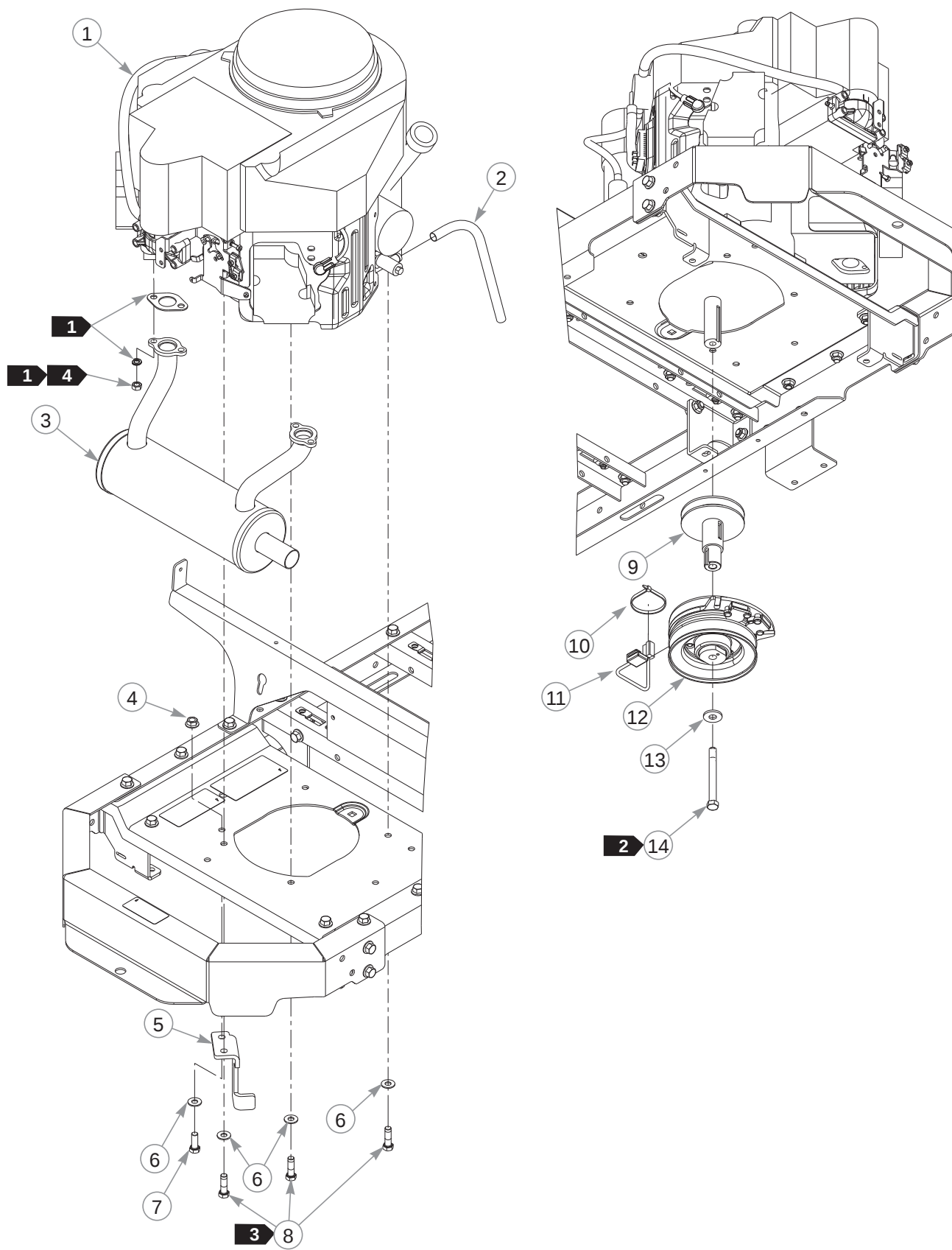


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604240	1	AIR FILTER
2	068478	1	IN-LINE FUEL FILTER
3	602581	1	OIL FILTER

NOTES:

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Engine, Kawasaki FR691V



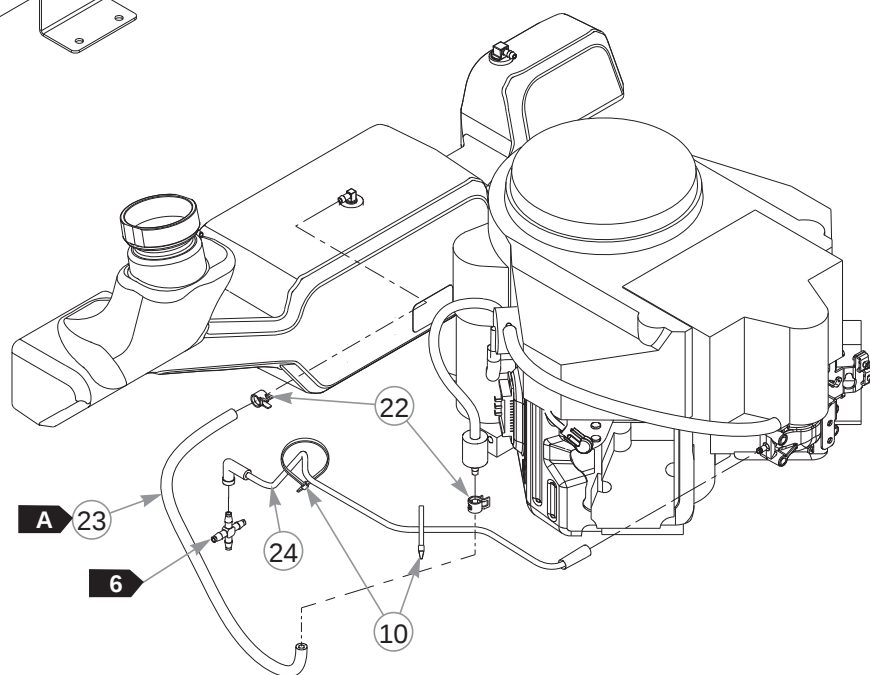
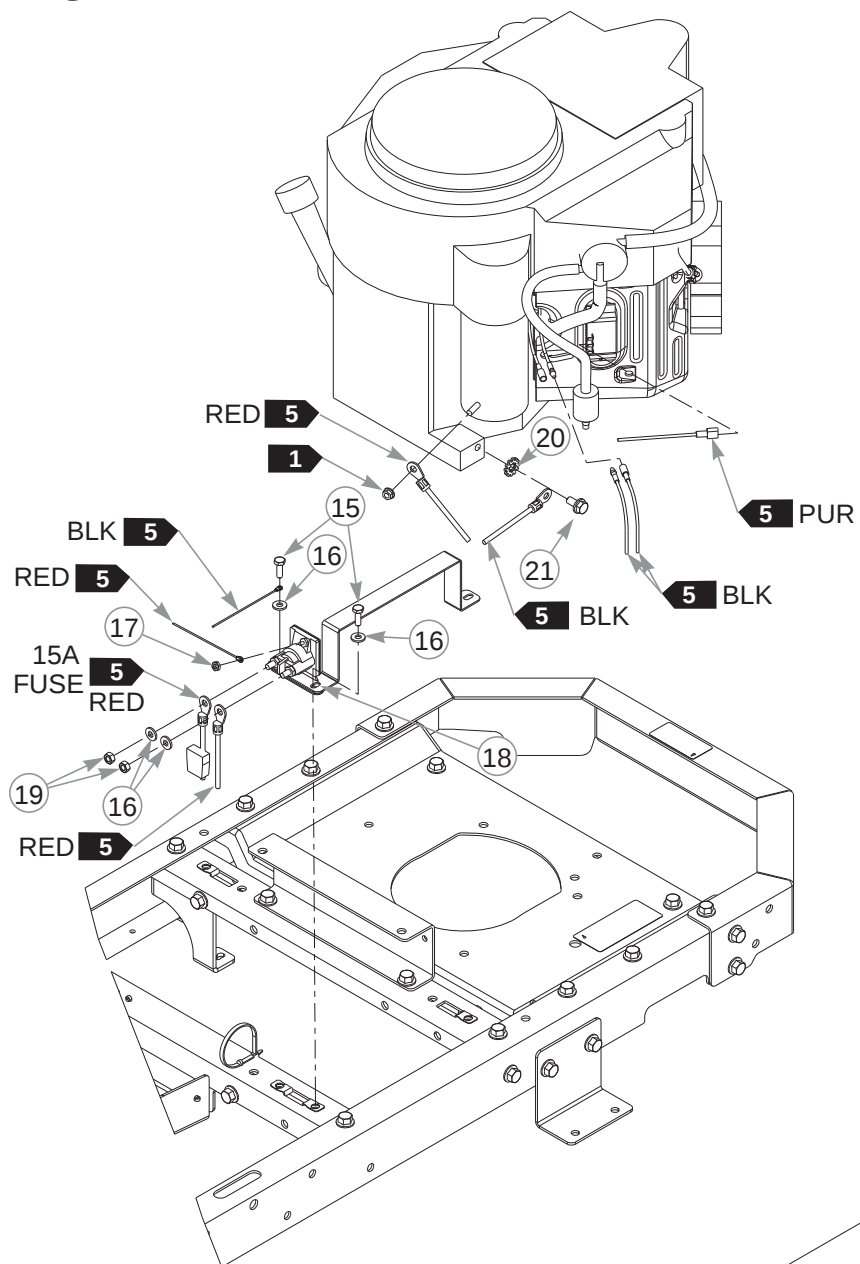
Engine, Kawasaki FR691V

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	N/A	1	KAWASAKI FR691V ENGINE
2	604463	12"	OIL DRAIN HOSE
3	604016	1	MUFFLER
4	016899	1	NT .375-16 HX FLK ZNYC
5	116290	1	CLUTCH ANCHOR
6	767954	5	FW .406 X .812 X .060 SAE
7	036244	1	CS .375-16 X 1.00 HX G5
8	602580	4	CS .375-16 X 1.25 HX G5 P85
9	604185	1	STUB SHAFT PUMP PULLEY
10	000331	3	WIRE TIE
11	791251	1	CLUTCH HARNESS PIGTAIL
12	604244K	1	CLUTCH KIT
13	602680	1	FW .453 X 1.12 X .119 HRD
14	604271	1	CS .437-20 X 4.00 HX G5

NOTES:

1. Supplied with the engine.
2. Torque the bolt to 45–48 ft-lbs. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
3. Torque the bolt to 30–35 ft-lbs. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
4. Torque the nuts to 22 ft-lbs.

Engine, Kawasaki FR691V



Engine, Kawasaki FR691V

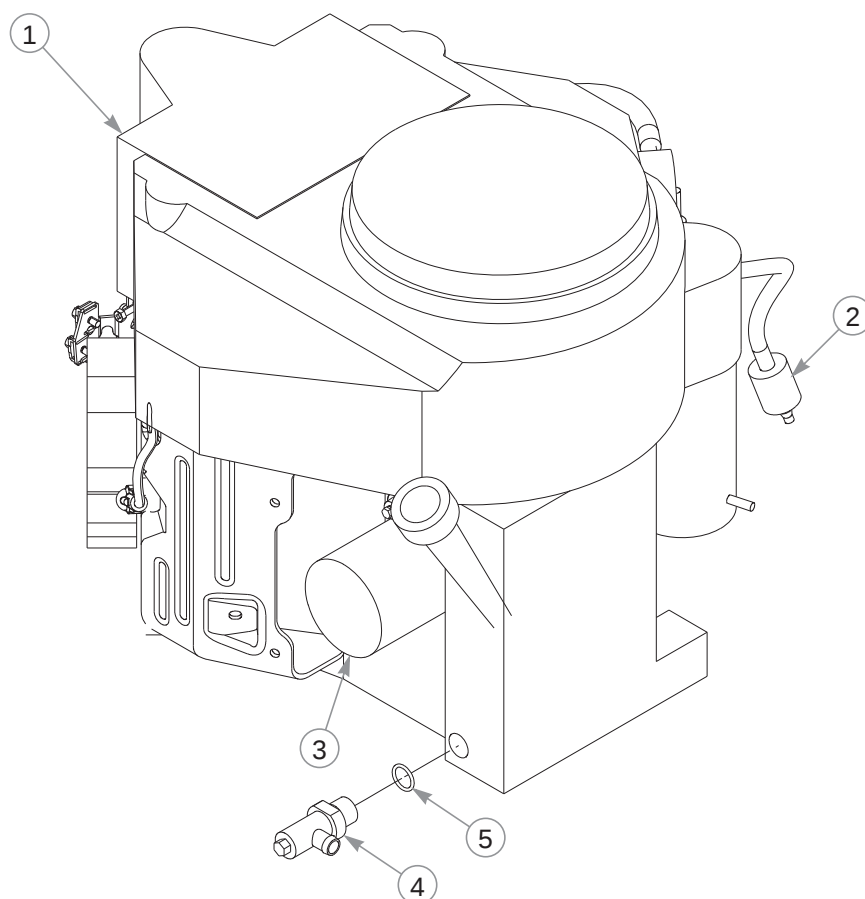
INDEX NO.	PART NO.	QTY.	DESCRIPTION
15	055939	2	CS .250-20 X .75 HX G5
16	768515	4	FW .281 X .625 X .051/.080 HD ZN/YL
17	044255	1	NT #10-32 HX ZN
18	030817	1	STARTER SOLENOID
19	024927	2	NT .250-20 HX G5 ZNYC
20	029876	1	LW .312 INT-EXT TOOTH
21	720516	1	CS M8 X 1.25 X 16 HX G10.9
22	000323	2	HOSE CLAMP
23	015818	18"	1/4" FUEL LINE
24	604274	1	3/16" FORMED VAPOR LINE

NOTES:

FUEL LINE LENGTH		
	18"	TANK TO ENGINE

5. Part of the mower wire harness.
6. Part of the fuel system.

Engine Service Parts, Kawasaki FR651V & FR691V

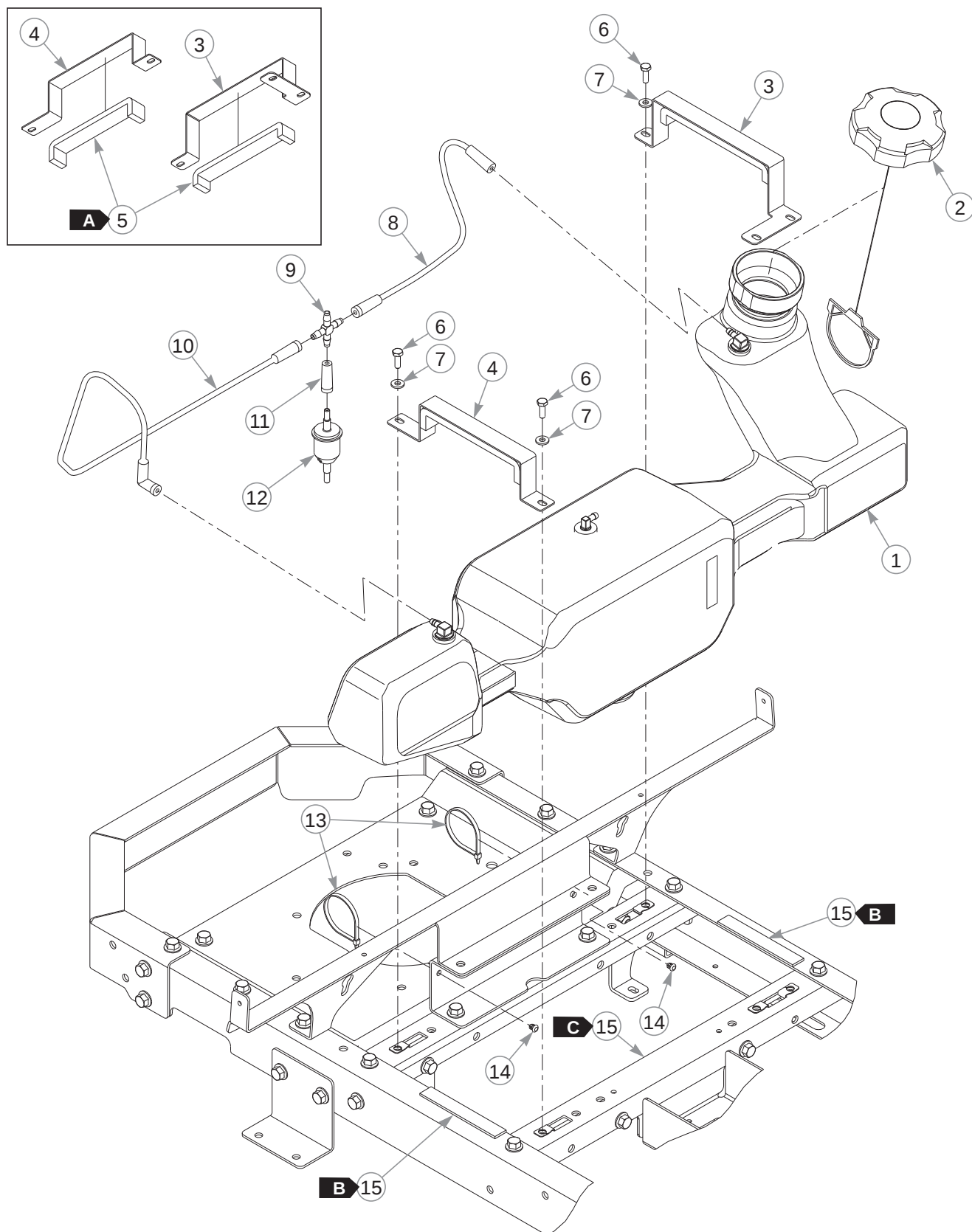


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	603059	1	AIR FILTER
2	068478	1	IN-LINE FUEL FILTER
3	602581	1	OIL FILTER
4	604350	1	OIL DRAIN VALVE
5	604369	1	O-RING

NOTES:

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Fuel System



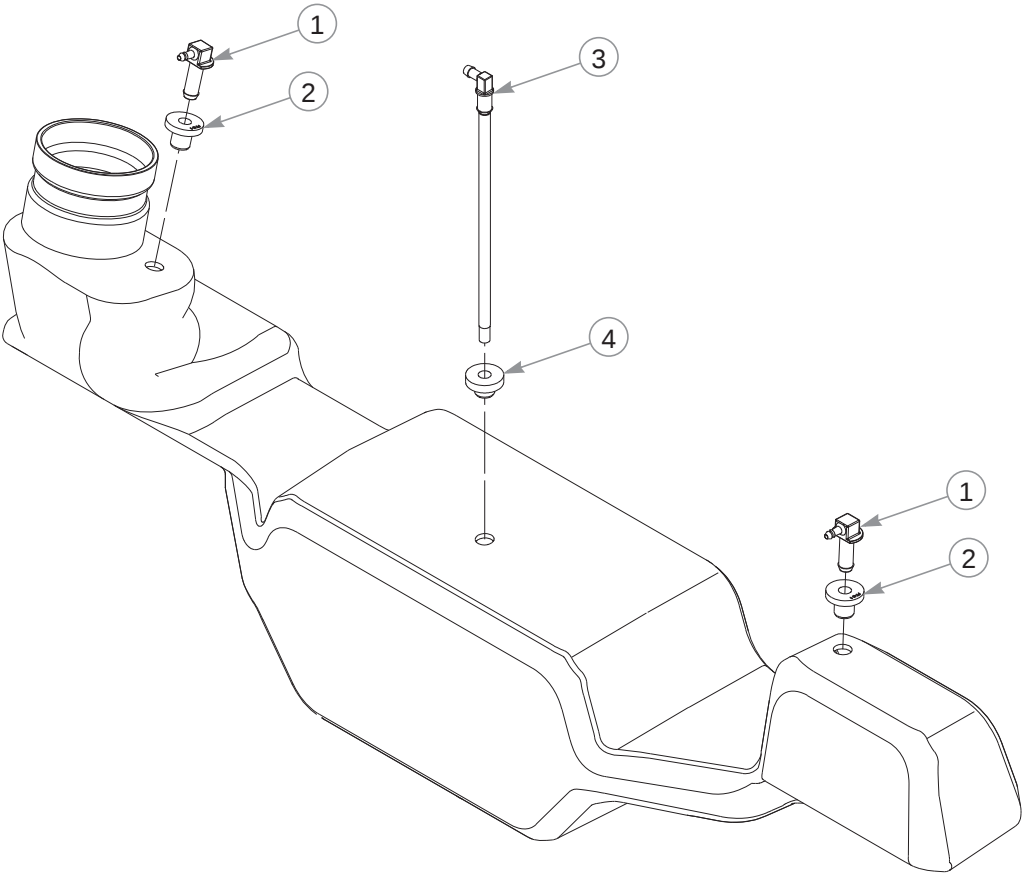
Fuel System

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604336	1	FUEL TANK ASSEMBLY
2	603807	1	RATCHETING GAS CAP, 3.5"
3	117059	1	LEFT TANK MOUNT
4	117060	1	RIGHT TANK MOUNT
5	713198	18.5"	SEAL 3/8 X 3/4
6	055939	3	CS .250-20 X .75 HX G5
7	768515	3	FW .281 X .625 X .051/.080 HD ZN/YL
8	604279	1	3/16" FORMED VAPOR LINE
9	604322	1	1/4" HOSE BARB CROSS
10	604273	1	3/16" FORMED VAPOR LINE
11	604292	1	BOOT, 3/16" TO 1/4" BARB
12	604323	1	VAPOR SYSTEM FILTER
13	000331	2	WIRE TIE
14	604307	2	PUSH BUTTON MOUNT
15	033035	22"	WEATHERSTRIP

NOTES:

WEATHERSTRIP LENGTH	
	9.25"
	5"
	12"

Fuel Tank Service Parts



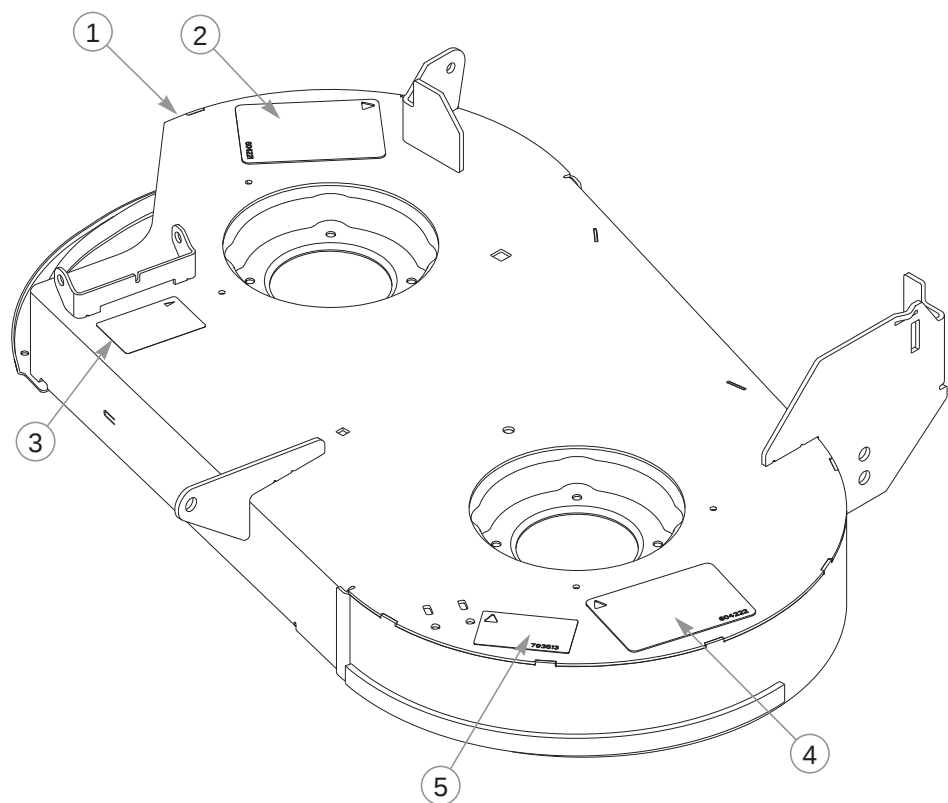
INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604199	1	VENT FITTING
2	604200	1	GROMMET
3	604340	1	SUCTION HOSE ASSEMBLY 7.75"
4	785295	1	GROMMET

NOTES:

Section 6

36" Service Deck	6-2
36" Deck Pulleys & Spindles	6-4
36" Deck	6-6
42" Service Deck	6-8
42" Deck Pulleys & Spindles	6-10
42" Deck	6-12
36"/42" Deck Lift	6-14
52" Service Deck	6-16
52" Deck Pulleys & Spindles	6-18
52" Deck Lift	6-20

36" Service Deck

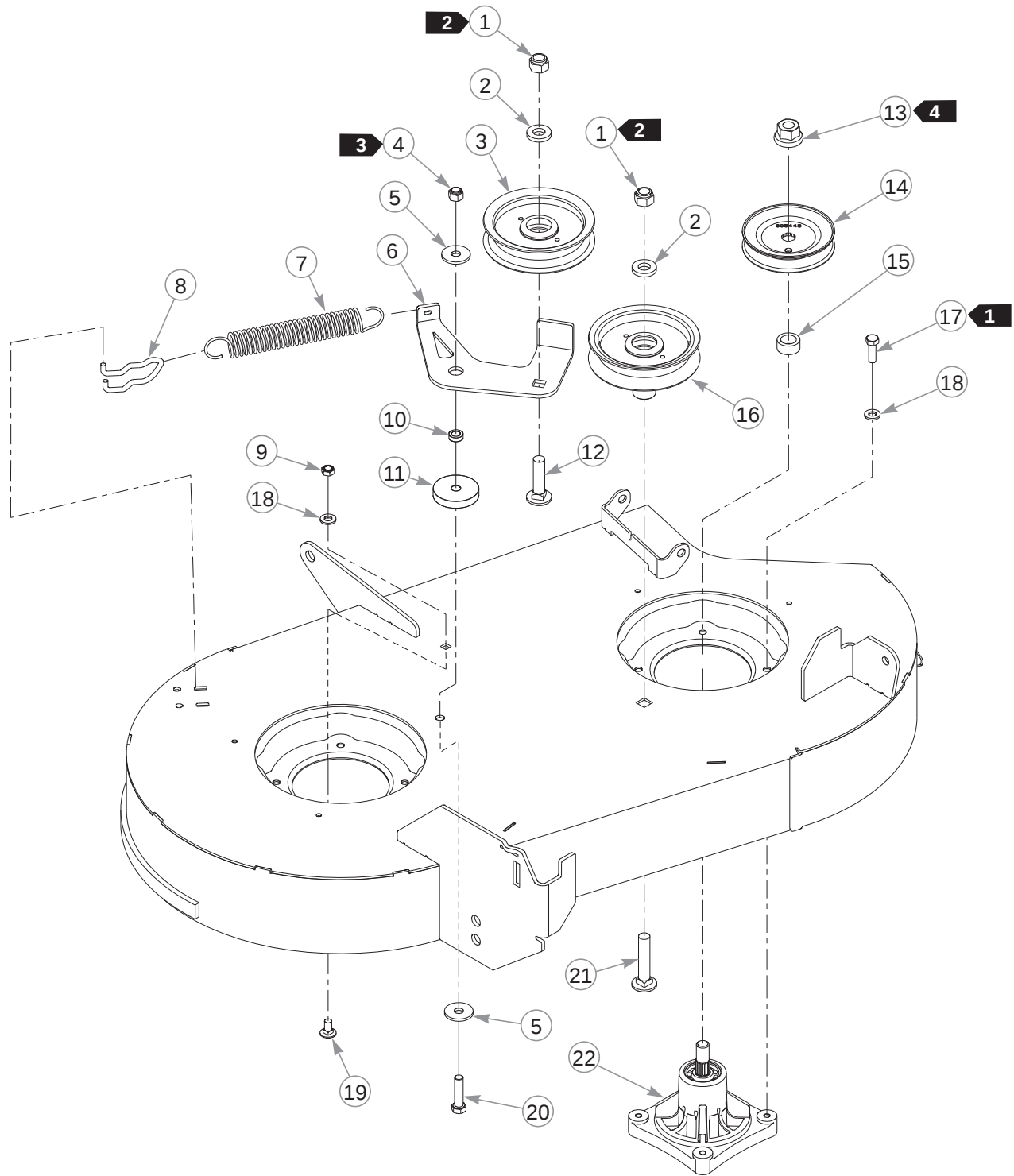


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	552706	1	36" DECK (WITH DECALS)
2	604221	1	DANGER/CHUTE DECAL
3	602243	1	BELT ROUTING DECAL
4	604222	1	DANGER/OBJECTS DECAL
5	793513	1	36" DECK ID DECAL

NOTES:

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36" Deck Pulleys & Spindles



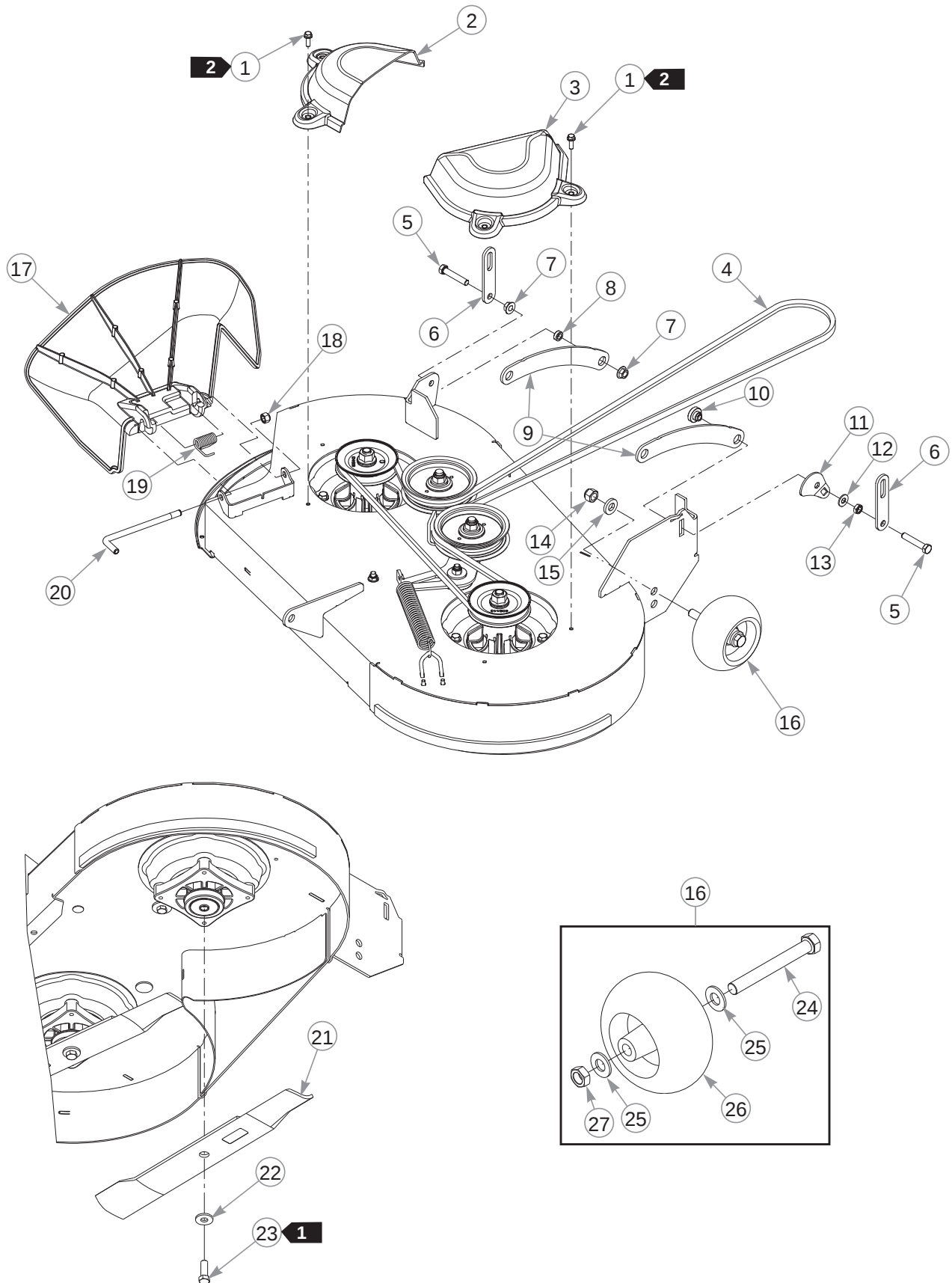
36" Deck Pulleys & Spindles

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	781567	2	NT .500-13 NL G5
2	767962	2	FW .531 X 1.063 X .090 SAE
3	603986	1	IDLER PULLEY, 4.00" FLAT
4	086660	1	NT .375-16 HX NL G5
5	712893	2	FW .406 X 1.25 X .12 HRD Z
6	119932	1	IDLER ARM
7	605379	1	SPRING
8	604110	1	SPRING TENSIONER ANCHOR
9	604251	1	NT .312-18 HX NL JAM G2 ZN
10	601839	1	PIVOT SPACER BUSHING
11	117539	1	SPACER
12	604253	1	CB .50-13 X 2.00 STD ZN
13	604172	2	NT .562-18 HX G5 ZN
14	605443	2	DRIVE PULLEY 36"
15	604123	2	PULLEY SPACER
16	604219	1	IDLER PULLEY, 4.00" FLAT
17	036236	8	CS .312-18 X 1.00 HX G5
18	768523	9	FW .343 X .687 X .051/.080H
19	083147	1	CB .312-18 X .620 G5 ZN
20	080655	1	CS .375-16 X 1.50 HX G5
21	604254	1	CB .50-13 X 2.50 STD ZN
22	604214	2	SPINDLE ASSEMBLY

NOTES:

1. Torque to 18 ft-lbs.
2. Torque to 73 ft-lbs.
3. Torque to 30 ft-lbs.
4. Torque to 50–75 ft-lbs.

36" Deck



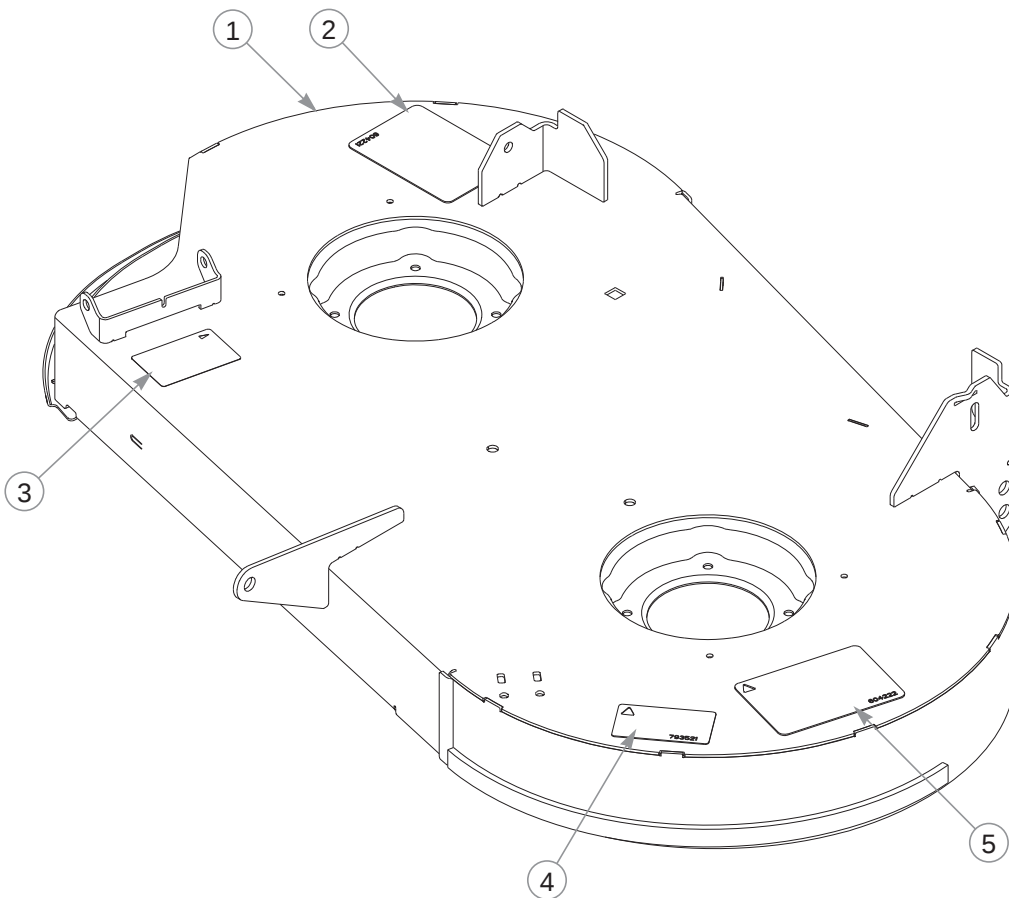
36" Deck

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604324	4	CS .250-20 X .75 HX FLG
2	605254	1	RS PULLEY COVER
3	604403	1	LS PULLEY COVER
4	771824	1	BELT
5	016410	2	CS .375-16 X 2.00 G5 ZNYC
6	117532	2	DECK LIFT LINK
7	016899	2	NT .375-16 HX FLK ZNYC
8	601839	1	PIVOT SPACER BUSHING
9	116155	2	DECK LINK
10	605016	1	DECK LEVELING NUT
11	116911	1	LEVELER CAM
12	767954	1	FW .406 X .812 X .060 SAE
13	706168	1	NT .375-16 HX JAM G5 Z
14	781567	1	NT .500-13 NL G5
15	767962	1	FW .531 X 1.063 X .090 SAE
16	788166	1	PLASTIC WHEEL ASSEMBLY (WITH HARDWARE)
17	604268	1	DISCHARGE CHUTE
18	086660	1	NT .375-16 HX ZY NL
19	604331	1	CHUTE SPRING
20	604346	1	DISCHARGE CHUTE PIN
21	783753	2	BLADE, 17.86" -M-F-CW
	603995	2	BLADE, 17.86" -M-F-CW
	785436	2	BLADE, 17.86"-GAT-F-CW
	787721	2	BLADE, 17.86"-H-F-CW
	794198	2	BLADE, 17.86"-MUL-F-CW
	603848	2	BLADE,17.86"-CAT-F-CW
22	602680	2	FW .453 X 1.12 X .119 HRD
23	754101	2	CS .437-20 X 1.25 HX G5 ZNY
24	781708	1	CS .500-13 X 4.25 HX G5
25	767962	2	FW .531 X 1.063 X .090 SAE
26	031997	1	PLASTIC WHEEL
27	053199	1	NT .500-13 HX JAM ZNYC

NOTES:

1. Torque to 48 ft-lbs.
2. Torque to 8 ft-lbs on these 4 self-tapping screws.

42" Service Deck

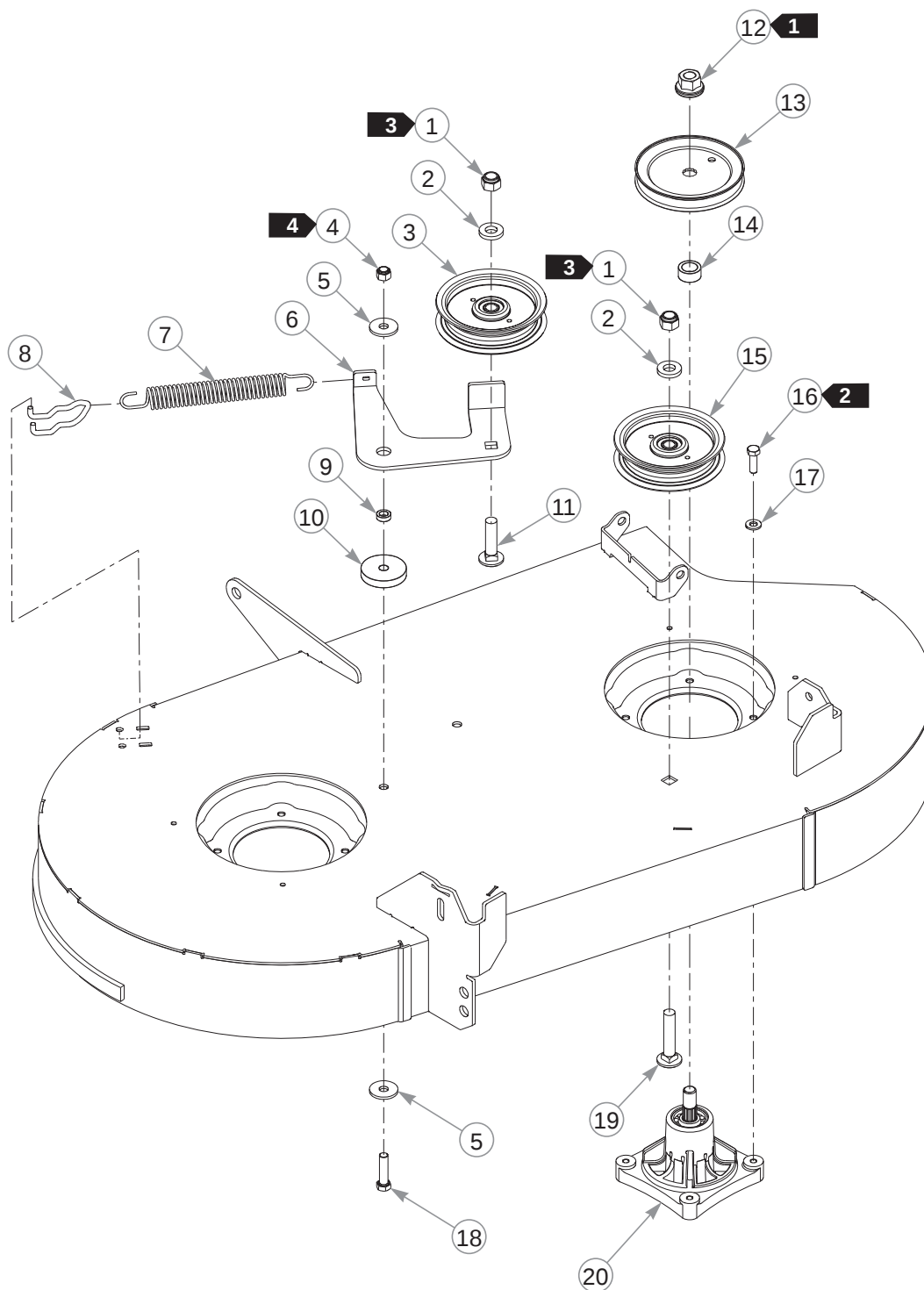


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	552345	1	42" DECK (WITH DECALS)
2	604221	1	DANGER/CHUTE DECAL
3	602243	1	BELT ROUTING DECAL
4	793521	1	42" DECK ID DECAL
5	604222	1	DANGER/OBJECTS DECAL

NOTES:

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42" Deck Pulleys & Spindles



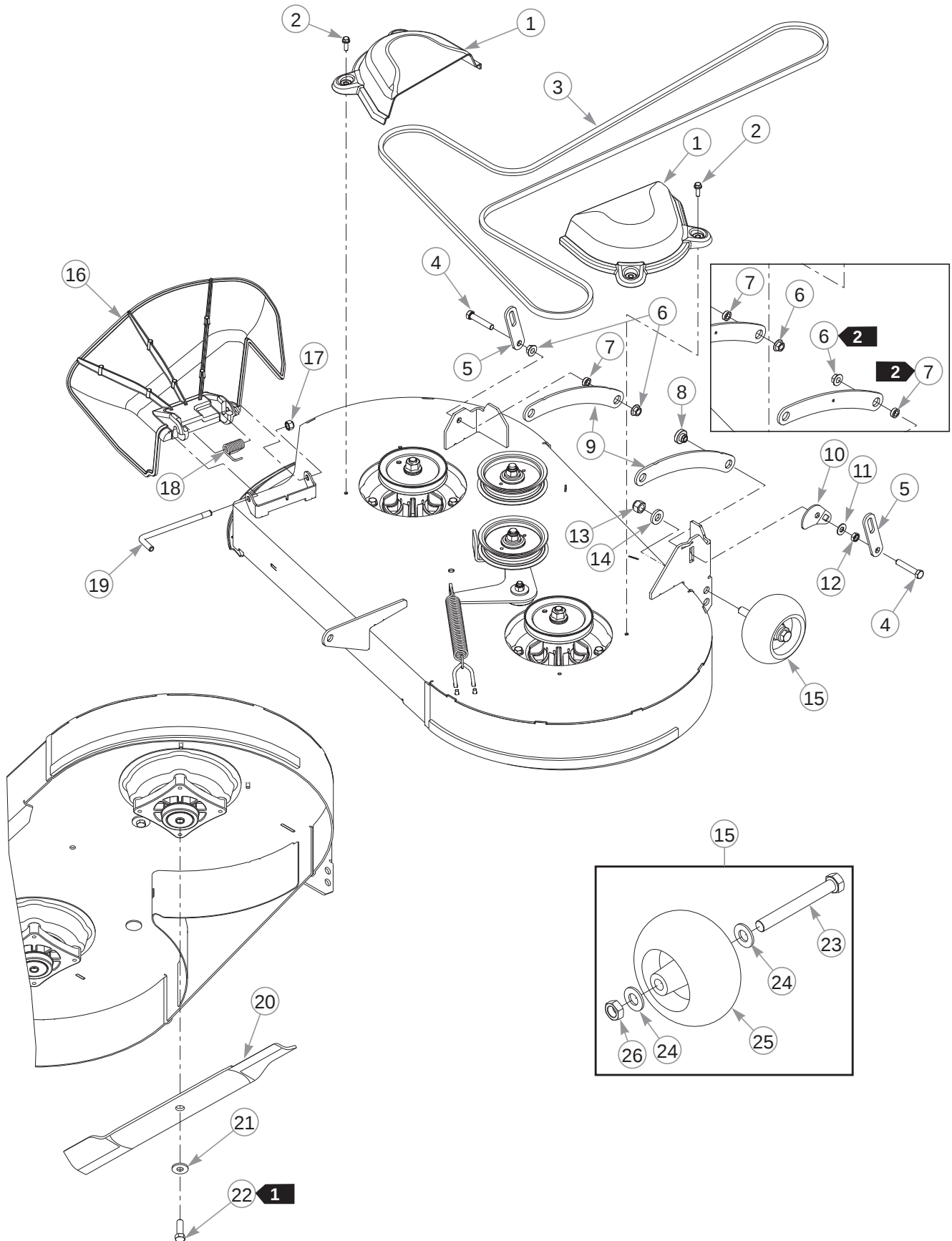
42" Deck Pulleys & Spindles

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	781567	2	NT .500-13 HX G8 ZY NL
2	767962	2	FW .531 X 1.063 X .090 SAE
3	603986	1	IDLER PULLEY, 4.00" FLAT
4	086660	1	NT .375-16 HX ZY NL
5	712893	2	FW .406 X 1.25 X .12 HRD Z
6	117512	1	IDLER ARM
7	604291	1	IDLER SPRING
8	604110	1	SPRING TENSIONER ANCHOR
9	601839	1	PIVOT SPACER BUSHING
10	117539	1	SPACER
11	604253	1	CB .50-13 X 2.00 STD ZN
12	604172	2	NT .562-18 HX G5 ZN
13	603987	2	PULLEY
14	604123	2	PULLEY SPACER
15	604219	1	IDLER PULLEY, 4.00" FLAT
16	036236	8	CS .312-18 X 1.00 HX G5
17	768523	8	FW .343 X .687 X .051/.080H
18	080655	1	CS .375-16 X 1.50 HX G5
19	604254	1	CB .50-13 X 2.50 STD ZN
20	604214	2	SPINDLE ASSEMBLY

NOTES:

1. Torque to 50–75 ft-lbs.
2. Torque to 18 ft-lbs
3. Torque to 73 ft-lbs
4. Torque to 30 ft-lbs. The idler arm should pivot freely.

42" Deck



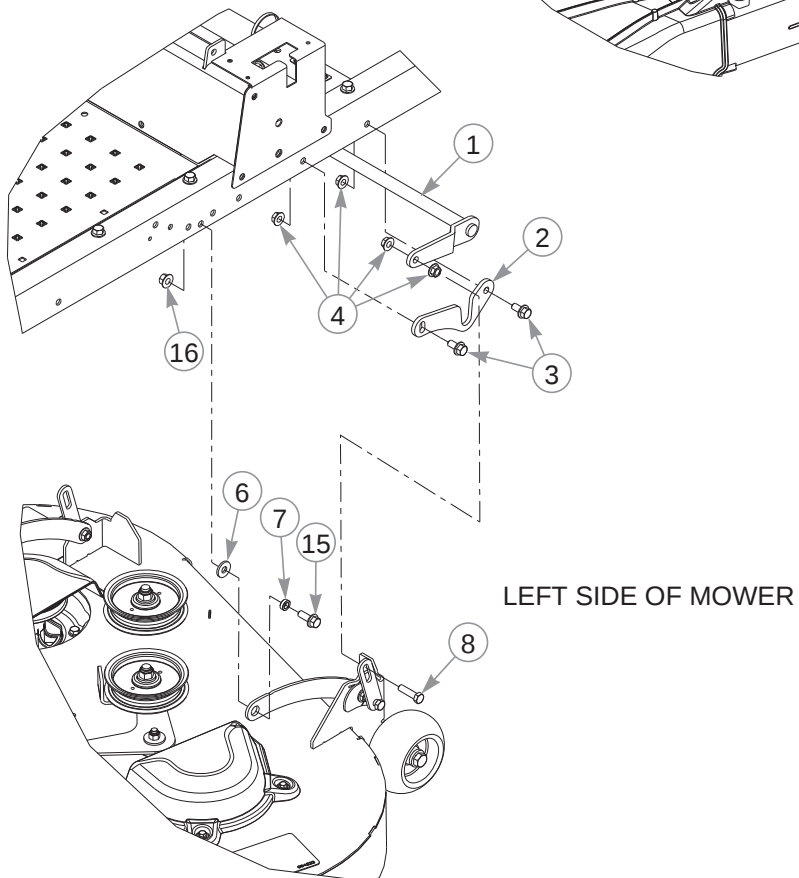
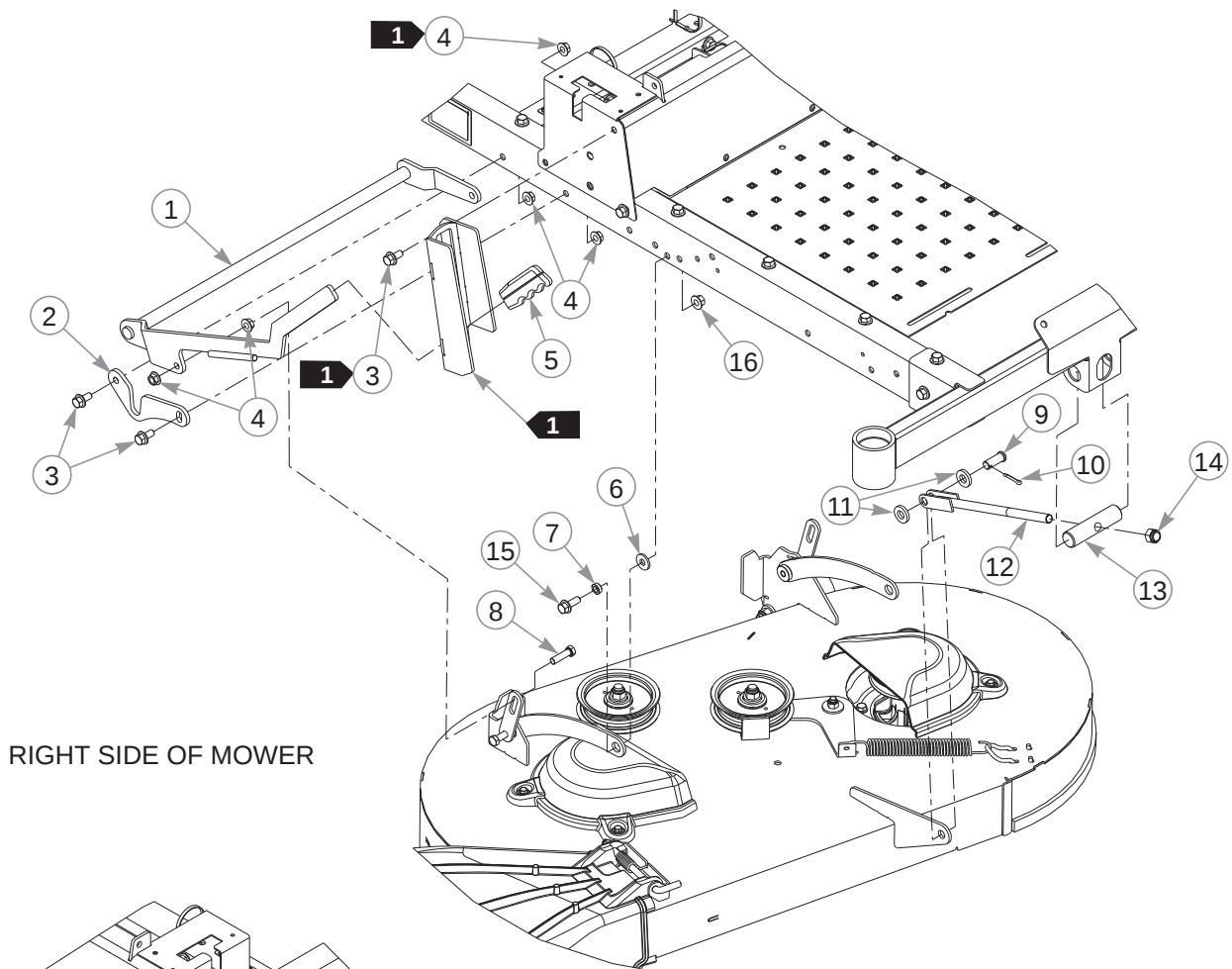
42" Deck

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	604403	2	42" PULLEY COVER
2	604324	4	CS .250-20 X .75 HX FLG
3	793828	1	BELT, A SEC
4	016410	2	CS .375-16 X 2.00 G5 ZNYC
5	116157	2	DECK LIFT LINK
6	016899	2	NT .375-16 HX FLK ZNYC (S/N 14030001 & HIGHER)
	016899	3	NT .375-16 HX FLK ZNYC (S/N PRIOR TO 14030001)
7	601839	1	PIVOT SPACER BUSHING (S/N 14030001 & HIGHER)
	601839	2	PIVOT SPACER BUSHING (S/N PRIOR TO 14030001)
8	605016	1	DECK LEVELING NUT
9	116155	2	DECK LINK
10	116911	1	LEVELER CAM
11	767954	1	FW .406 X .812 X .060 SAE
12	706168	1	NT .375-16 HX JAM G5 Z
13	781567	1	NT .500-13 NL G5
14	767962	1	FW .531 X 1.063 X .090 SAE
15	788166	1	PLASTIC WHEEL ASSEMBLY (WITH HARDWARE)
16	604268	1	DISCHARGE CHUTE
17	086660	1	NT .375-16 HX ZY NL
18	604331	1	CHUTE SPRING
19	604346	1	DISCHARGE CHUTE PIN
20	603992	2	BLADE, 20.50"-M-F-CW
21	602680	2	FW .453 X 1.12 X .119 HRD
22	754101	2	CS .437-20 X 1.25 HX G5 ZNY
	793794	2	BLADE, 20.50"-L-F-CW
	794685	2	BLADE, F20.50"-H-F-CW
	793935	2	BLADE, 20.50"-CAT-F-CW
	794214	2	BLADE, 20.50"-MUL-F-CW
	794230	2	BLADE, 20.50" -GAT-F-CW
23	781708	1	CS .500-13 X 4.25 HX G5
24	767962	2	FW .531 X 1.063 X .090 SAE
25	031997	1	PLASTIC WHEEL
26	053199	1	NT .500-13 HX JAM ZNYC

NOTES:

5. Torque to 48 ft-lbs. For mowers with serial numbers prior to 14030001.

36"/42" Deck Lift



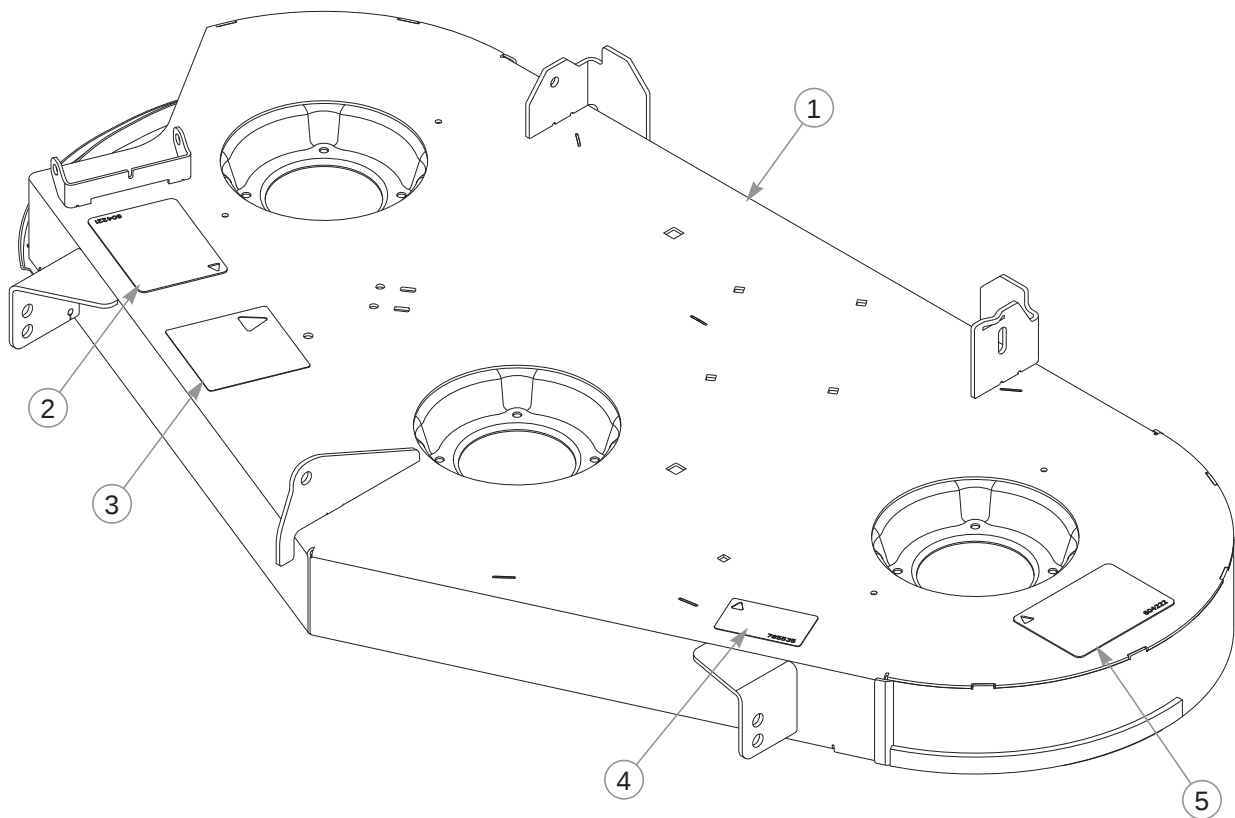
36"/42" Deck Lift

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	116156	1	LIFT HANDLE
2	116151	2	PIVOT BLOCK
3	029629	4	CS .375-16 X .75 HX FLK
4	016899	8	NT .375-16 HX FLK ZNYC
5	604377	1	GRIP
6	712919	2	FW .406 X 1.00 X .12 HRD Z
7	601839	2	PIVOT SPACER BUSHING
8	005116	2	CS .375-16 X 1.375 HX G5
9	027714	1	CE .500 X 1.25 .156 X 1.093
10	017251	1	CP .156D X 1.00 LG HML Z
11	767962	2	FW .531 X 1.063 X .090 SAE
12	603918	1	LIFT ROD
13	603920	1	PIVOT PIN
14	781567	1	NT .500-13 NL G5
15	029751	2	CS .375-16 X 1.00 HX FLK
16	604515	2	NT 0.375-16 FL NY GF

NOTES:

1. Part of the Steering Cover Assembly.

52" Service Deck

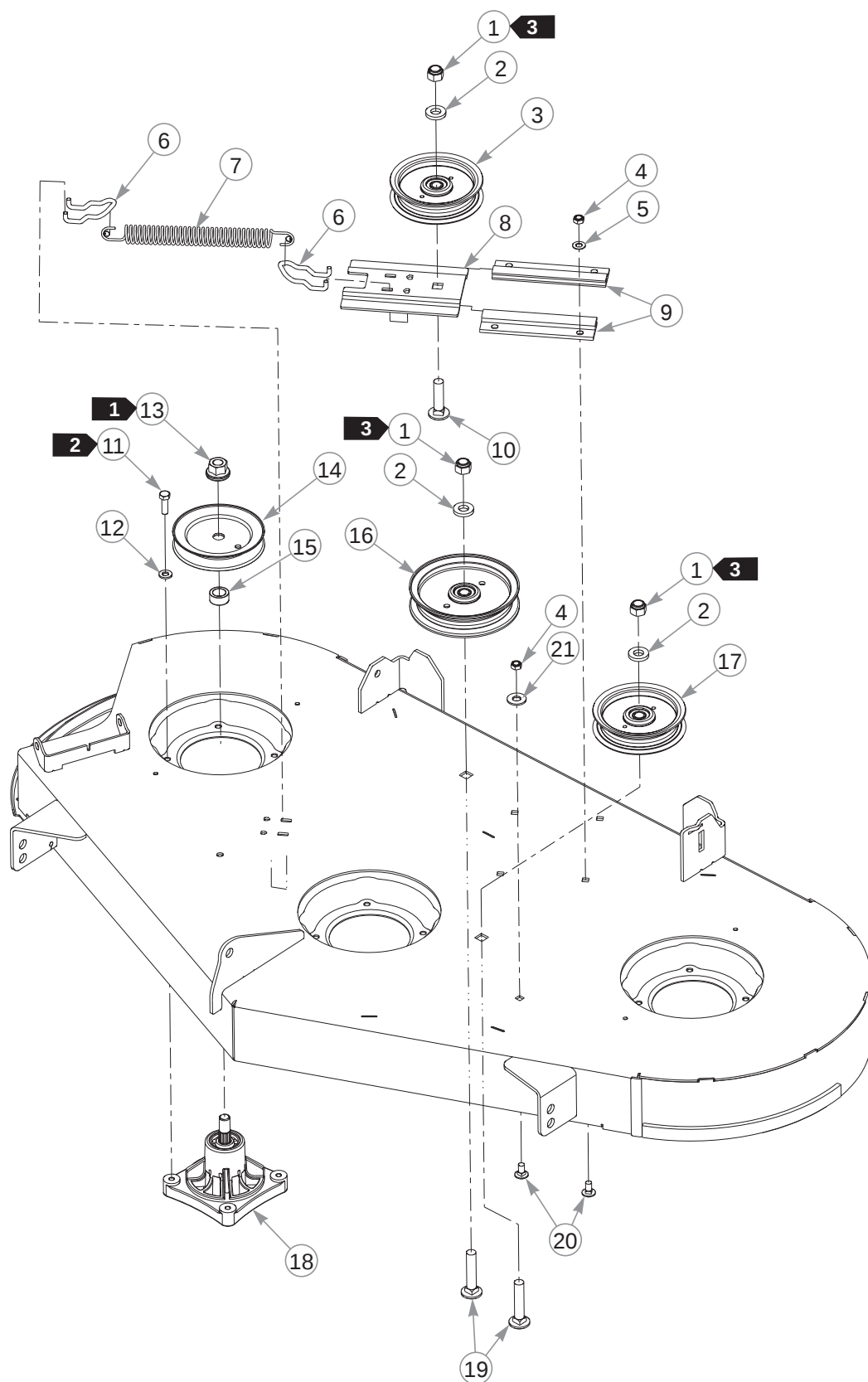


INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	552346	1	52" DECK
2	604221	1	DANGER/CHUTE DECAL
3	781419	1	BELT ROUTING DECAL
4	785535	1	52" DECK DECAL
5	604222	1	DANGER/OBJECTS DECAL

NOTES:

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52" Deck Pulleys & Spindles



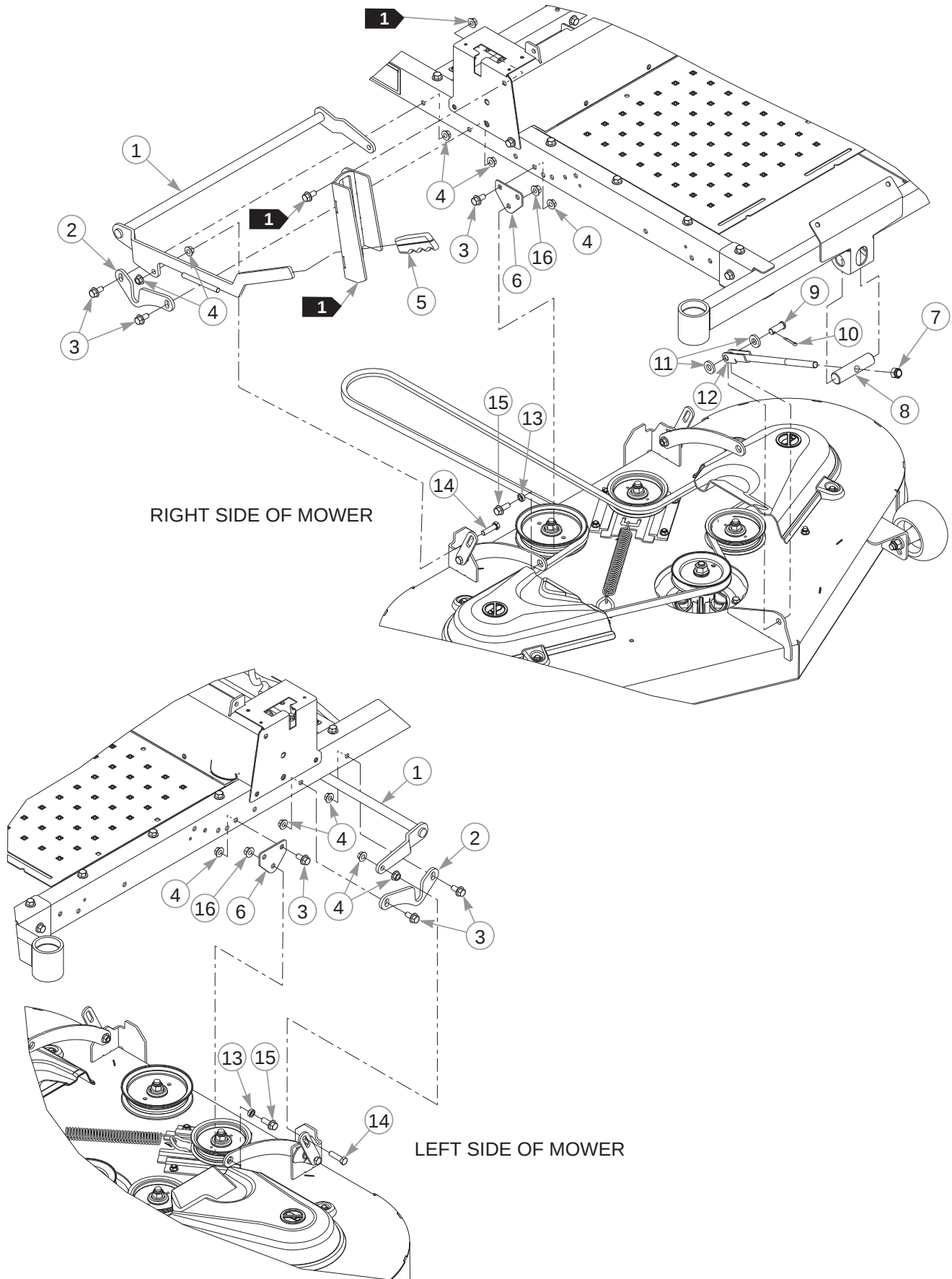
52" Deck Pulleys & Spindles

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	781567	3	NT .500-13 NL G5
2	767962	3	FW .531 X 1.063 X .090 SAE
3	603986	1	IDLER PULLEY, 4.00" FLAT
4	604251	5	NT .312-18 HX NL JAM G2 ZN
5	604252	4	FW .340 X .675 X .035 ZN
6	604110	2	SPRING TENSIONER ANCHOR
7	604291	1	IDLER SPRING
8	604194	1	IDLER SLED
9	604079	2	IDLER SLIDE
10	604253	1	CB .50-13 X 2.00 STD ZN
11	036236	12	CS .312-18 X 1.00 HX G5
12	768523	12	FW .343 X .687 X .051/.080H
13	604172	3	NT .562-18 HX G5 ZN
14	603988	3	DRIVE PULLEY "B-SEC"
15	604123	3	PULLEY SPACER
16	604231	1	IDLER PULLEY, 5.00" O.D.
17	604219	1	IDLER PULLEY, 4.00" FLAT
18	604214	3	SPINDLE ASSEMBLY
19	604254	2	CB .50-13 X 2.50 STD ZN
20	083147	5	CB .312-18 X .620 G5 ZN
21	017129	1	FW .440 X 1.00 X .083 ZNY

NOTES:

1. Torque to 50–75 ft-lbs.
2. Torque to 18 ft-lbs.
3. Torque to 73 ft-lbs.

52" Deck Lift



52" Deck Lift

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	116156	1	LIFT HANDLE
2	116151	2	PIVOT BLOCK
3	029629	8	CS .375-16 X .75 HX FLK
4	016899	12	NT .375-16 HX FLK ZNYC
5	604377	1	GRIP
6	116916	2	DECK LINK PLATE
7	781567	1	NT .500-13 NL G5
8	603920	1	PIVOT PIN
9	027714	1	CE .500 X 1.25 .156 X 1.093
10	017251	1	CP .156D X 1.00 LG HML Z
11	767962	2	FW .531 X 1.063 X .090 SAE
12	603918	1	LIFT ROD
13	601839	2	PIVOT SPACER BUSHING
14	005116	2	CS .375-16 X 1.375 HX G5
15	029751	2	CS .375-16 X 1.00 HXFLK
16	604515	2	NT .375-16 FL NY GF

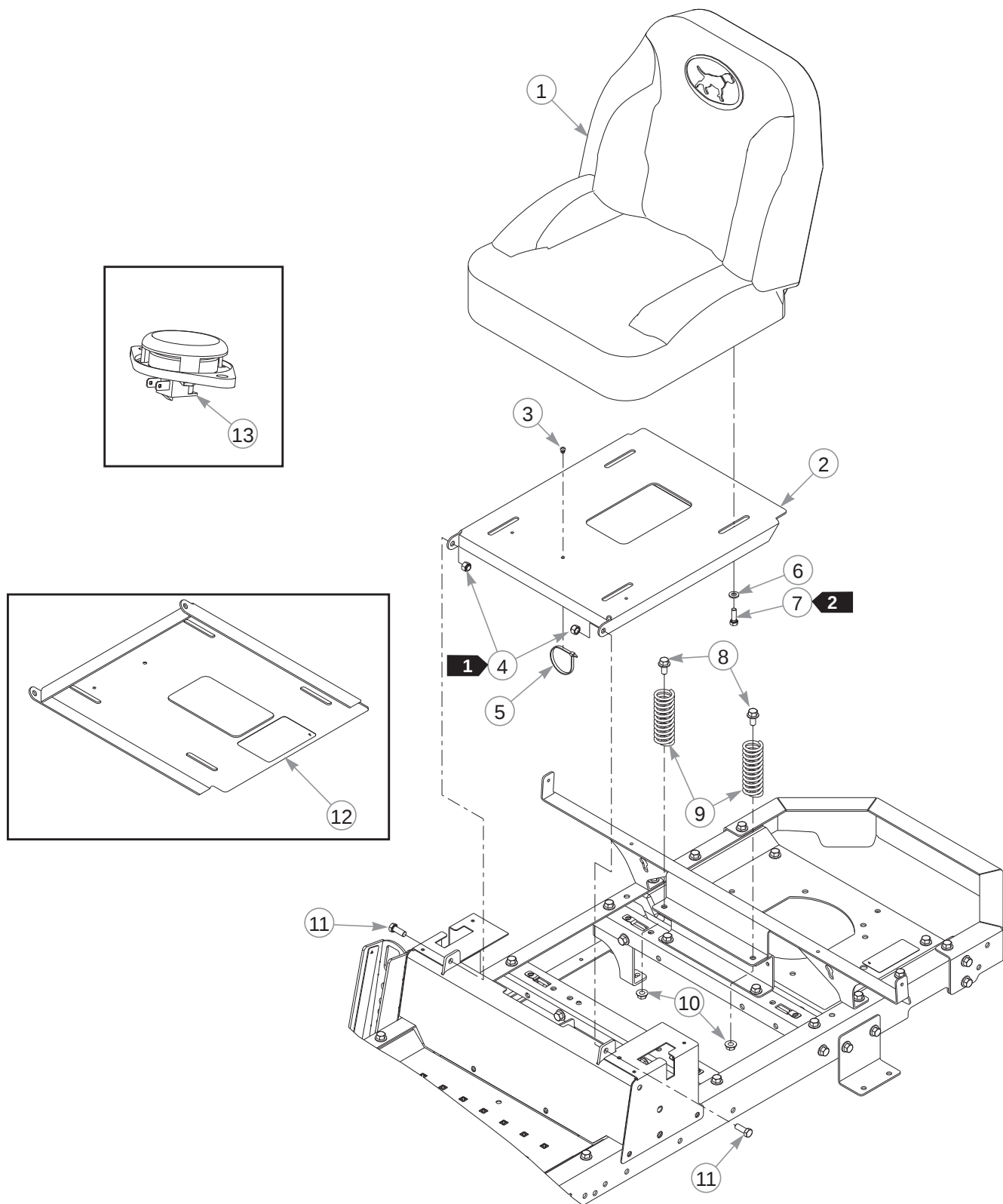
NOTES:

1. Part of the Steering Cover Assembly.

Section 7

Seat, Without Armrests	7-2
Seat, With Armrests.	7-4

Seat, Without Armrests



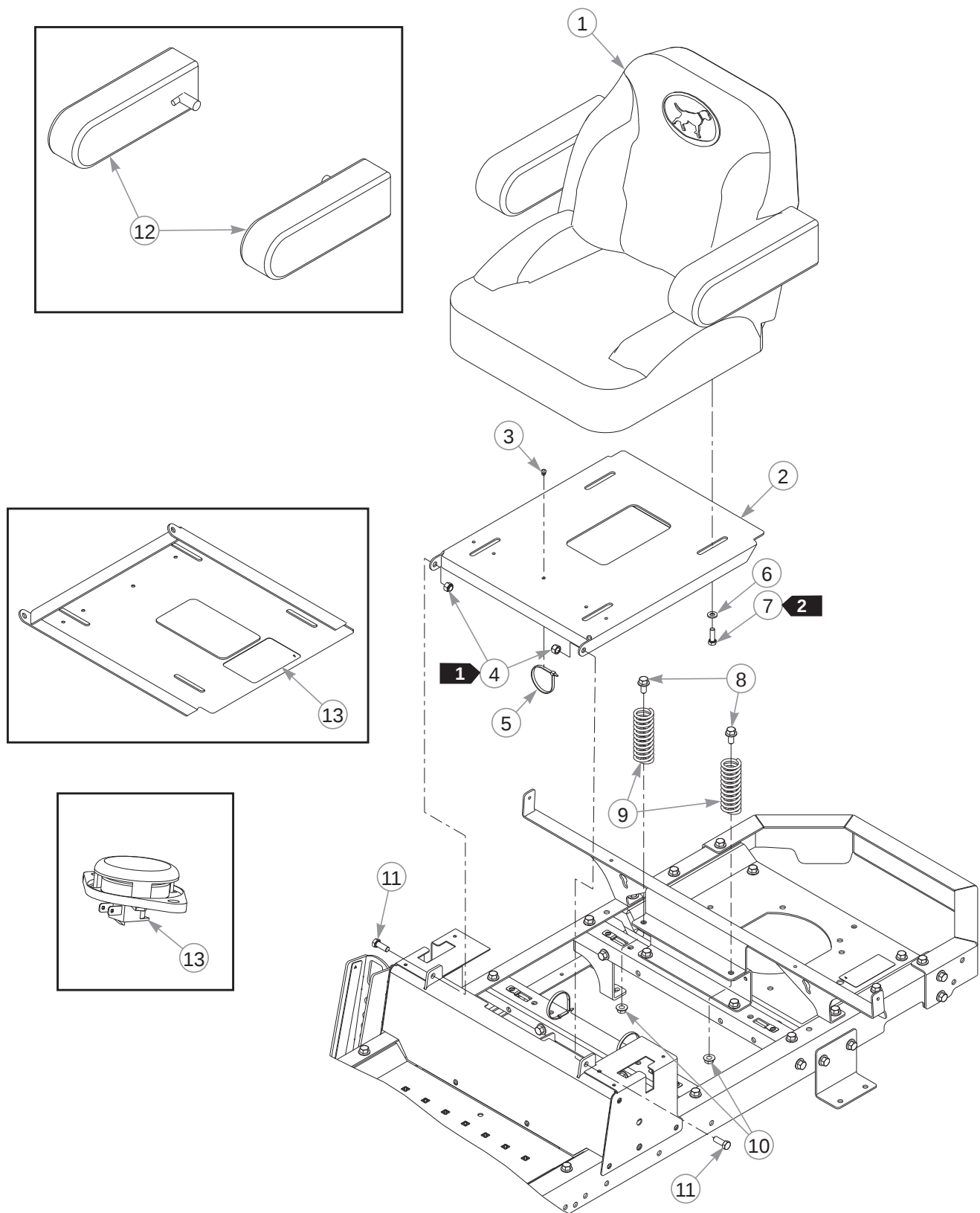
Seat, Without Armrests

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	605023	1	STANDARD SEAT
2	552379	1	SEAT PAN (WITH DECAL)
3	604307	1	PUSH BUTTON MOUNT
4	086660	2	NT .375-16 HX ZY NL
5	000331	1	WIRE TIE
6	768523	4	FW .343 X .687 X .051/.080H
7	036236	4	CS .312-18 X 1.00 HX G5
8	029629	2	CS .375-16 X .75 HX FLK
9	793851	2	COMPRESSION SPRING 1.25 X 4.00 X .188
10	016899	2	NT .375-16 HX FLK ZNYC
11	036244	2	CS .375-16 X 1.00 HX G5
12	601815	1	BATTERY WARNINGS DECAL
13	603148	1	SEAT SWITCH

NOTES:

1. Do not torque; the seat pan must pivot freely.
2. Torque to 7 ft-lbs.

Seat, With Armrests



Seat, With Armrests

INDEX NO.	PART NO.	QTY.	DESCRIPTION
1	605009	1	SEAT
2	552379	1	SEAT PAN (WITH DECAL)
3	604307	1	PUSH BUTTON MOUNT
4	086660	2	NT .375-16 NL G5
5	000331	1	WIRE TIE
6	768523	4	FW .343 X .687 X .051/.080H
7	036236	4	CS .312-18 X 1.00 HX G5
8	029629	2	CS .375-16 X .75 HX FLK
9	793851	2	COMPRESSION SPRING 1.25 X 4.00 X .188
10	016899	2	NT .375-16 HX FLK ZNYC
11	036244	2	CS .375-16 X 1.00 HX G5
12	119783	1	ARMREST KIT (LS & RS)
13	601815	1	BATTERY WARNINGS DECAL
14	793315	1	SEAT SWITCH

NOTES:

1. Do not torque; the seat pan must pivot freely.
2. Torque to 7 ft-lbs.

