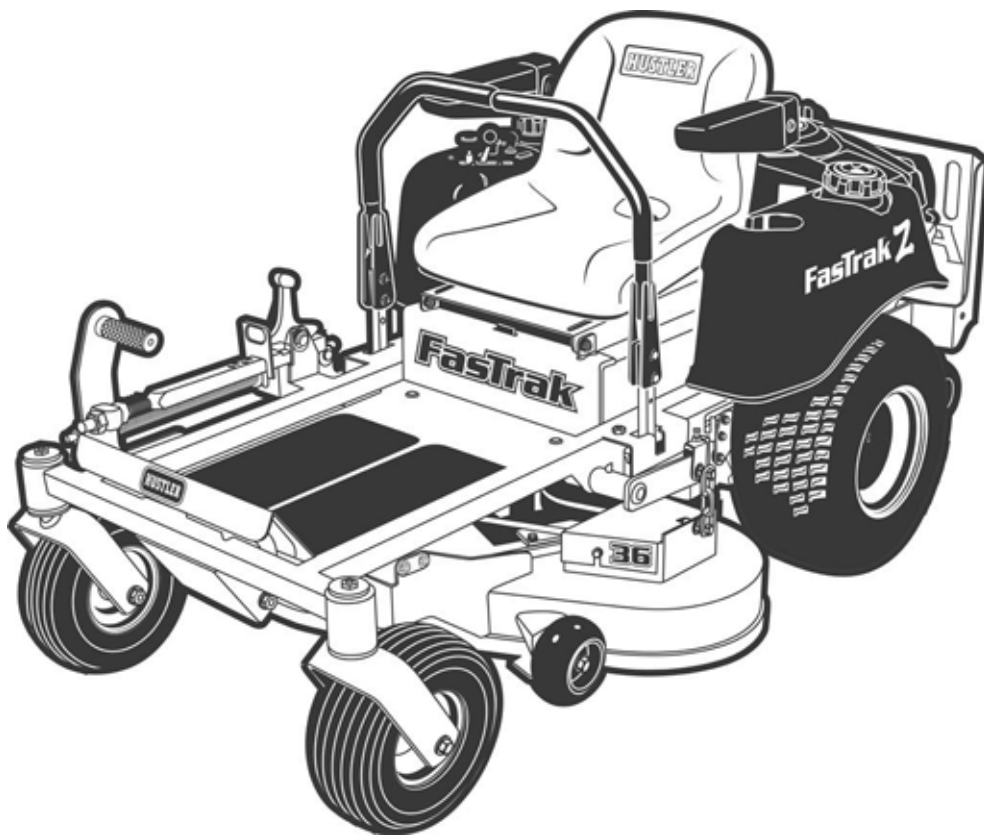


Hustler FasTrak *FasTrak*
36" & 42" Decks
Parts Manual



HUSTLER®

.....

Hustler Turf Equipment

.....

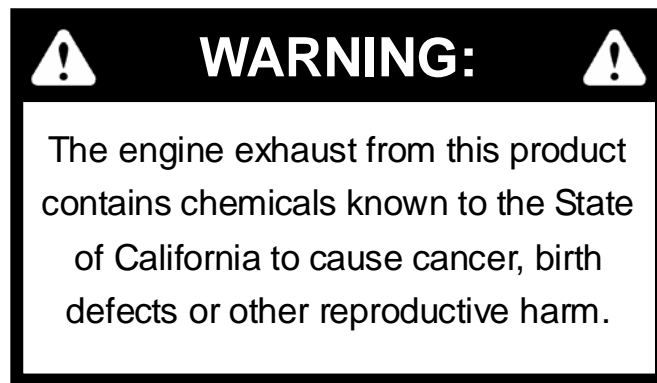
P.O. Box 7000

...

Hesston, Kansas

•

67062-2097



IMPORTANT: This engine is not equipped with a spark arrester muffler. It is a violation of California Public Resource Code Section 4442 to use or operate this engine on any forest-covered, brush-covered, or grass-covered unimproved land. Other states or federal areas may have similar laws.

This spark ignition system complies with Canadian ICES-002.

The Engine Owner's Manual provides information regarding the U.S. Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance and warranty.

Keep Engine Owner's Manual with your unit. Should the Engine Owner's Manual become damaged or illegible, replace immediately. Replacements may be ordered per the information found in the Product Information section of the owner's manual.

Table of Contents

Chapter 1	
General Information	1-1
Chapter 2	
Tractor Frame Rivet Nut Installation	2-2
Engine Guard and Anti-rollover Bracket Assemblies	2-3
Footrest Assembly	2-4
Chapter 3	
Battery Installation.	3-2
Deck Lift Assembly	3-3
Hydro Transmission Installation S/N Prior To 07091558	3-4
Hydro Transmission Installation S/N Higher Than 07091558.	3-6
Steering and Brake Assembly.	3-8
Chapter 4	
Honda 16 HP Engine Installation	4-2
Kohler 15 & 17 HP Engine Installation	4-6
Fuel System Installation	4-10
Instrument Panel Installation.	4-12
Honda 16HP Electrical Schematic (793083).	4-14
Kohler 15 & 17 HP Electrical Schematic (601127& 793117)	4-16
Chapter 5	
Front Wheel Assembly	5-2
Front Wheel Breakdown -768044	5-3
Drive Wheel Assembly	5-4
Chapter 6	
Deck Assembly 36"	6-2
Deck Pulley Assembly 36"	6-4
Deck Assembly 42"	6-8
Deck Pulley Assembly 42"	6-10
Blade Spindle Assembly Breakdown	6-14
Chapter 7	
Deck Installation	7-2
Belt Routing and Tensioning.	7-3
Seat Installation.	7-4
Chapter 8	
Tractor Decals.	8-2
42" Deck Decals	8-4
36" Deck Decals	8-5
Chapter 9	
Maintenance & Adjustment Safety	9-2
Maintenance	9-7
Adjustments	9-20
Index	i-1

Chapter 1

General Information

This Manual covers "Mini" FasTrak 15/36 model **927343**, "Mini" FasTrak 17/42 model **927350**, "Mini" FasTrak 16/42 model **927368**, & "Mini" FasTrak 16/36 model **927376**,

Frequently Ordered Parts

PART NO.	DESCRIPTION
793836	Pump Drive Belt
793828	Deck Belt 36"
793893	Deck Belt 42"
068478	Fuel Filter Kohler
785626	Fuel Filter Honda
794370	Air Filter, Kohler
787226	Air Filter, Honda
747303	Engine Oil Filter, Kohler
787234	Engine Oil Filter, Honda
793794	20.50" 42D X 0.631 CW Blade
793802	13.75" 42D X 0.631 CW Blade

Service Literature

PART NO.	DESCRIPTION
601156	Owners Manual
794313	Kohler Engine Manual
787242	Honda 16 HP Engine Manual

Options

PART NO.	DESCRIPTION
793331	Armrest Kit
338442	Mulch Kit, 36/42"

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

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 Hustler dealer for current information and parts.

Hardware Description Codes & Abbreviations

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

ABBREVIATION	DESCRIPTION
CB	Carriage Bolt
CE	Clevis Pin
CP	Cotter Pin
CS	Cap Screw
CW	Cup Washer
FDRW	Fender Washer
FW	Flat Washer
HX	Hex Head
LW	Lock Washer
MB	Machine Bushing
MS	Machine Screw
NT	Nut
SC	Self Tapping Cap Screw
SH	Socket Head
SB	Shoulder Bolt
SS	Set Screw
OD	Outside Diameter
ID	Inside Diameter

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	NM	SIZE	FT-LBS	NM
.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	M16	160	215
.875	420	565	M20	320	435
1.00	625	850	M24	555	750

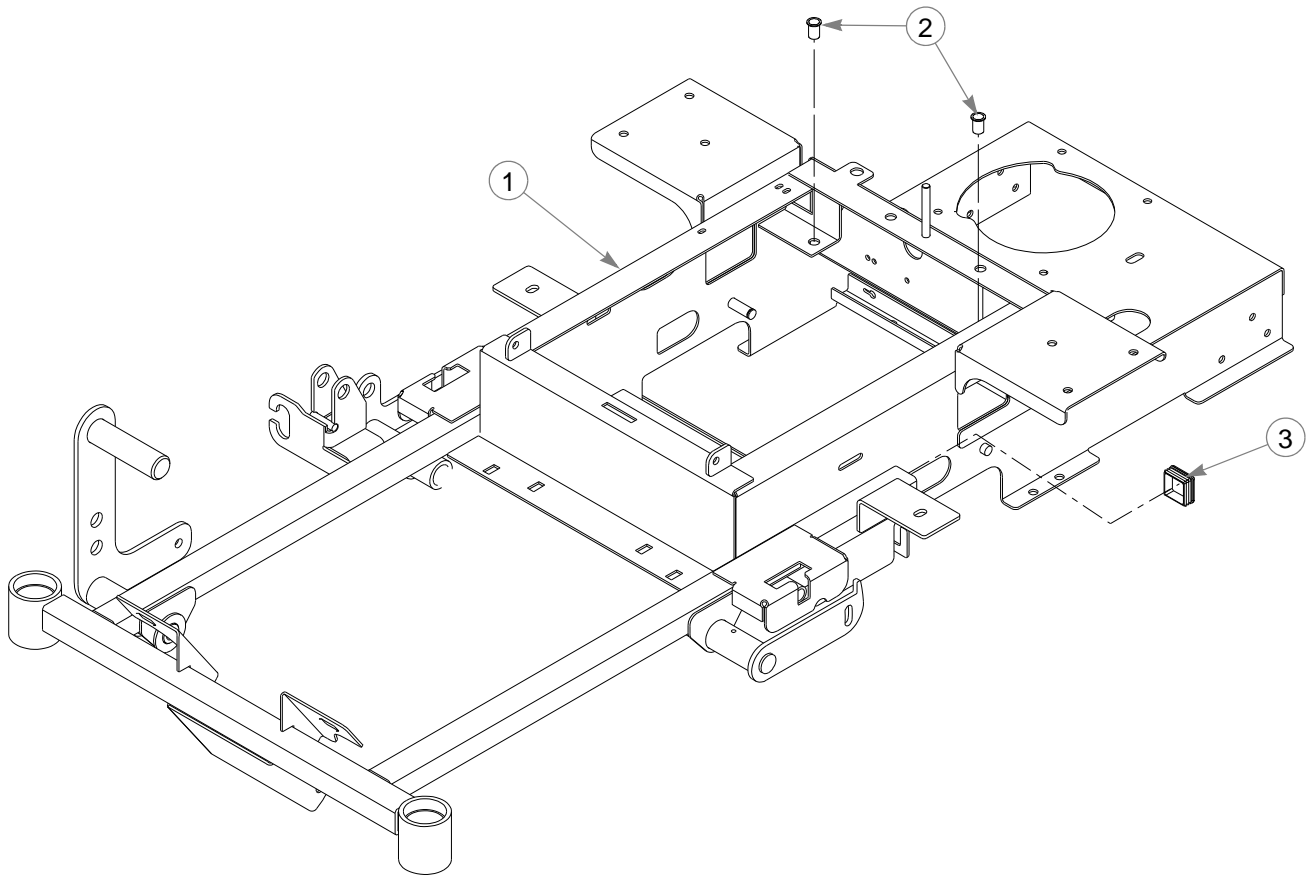
NOTE:

**Loctite 592 to be used on all pipe threads.
Lubricate all grease zerks.**

Chapter 2 Contents

Tractor Frame Rivet Nut Installation	2-2
Engine Guard and Anti-rollover Bracket Assemblies.	2-3
Footrest Assembly	2-4

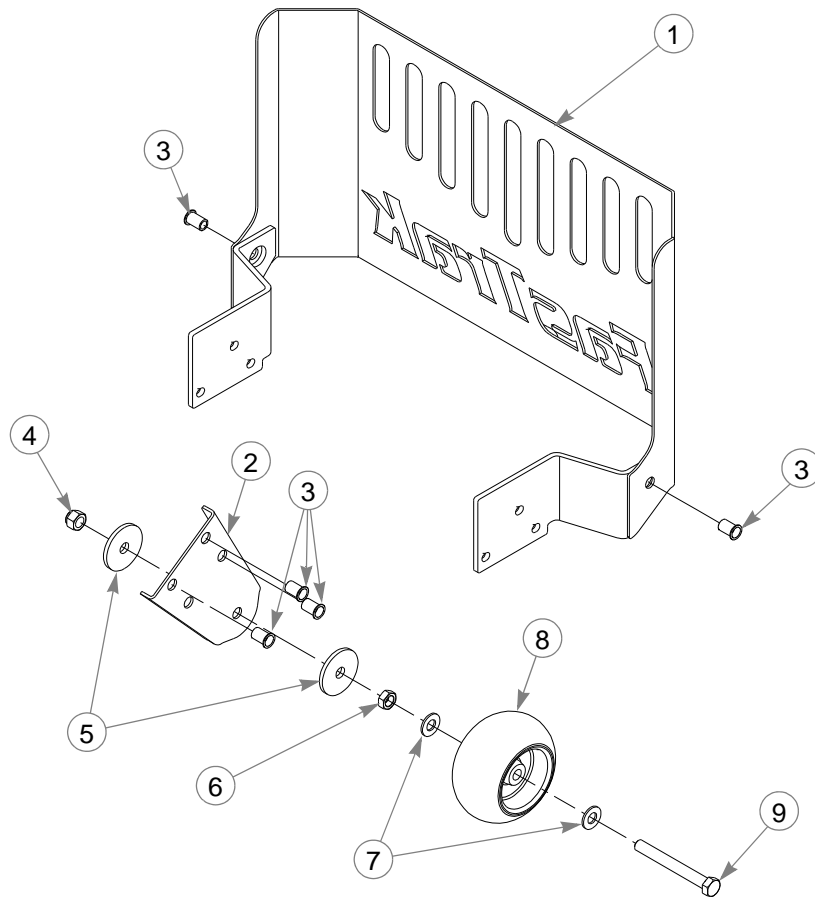
Tractor Frame Rivet Nut Installation



INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	546911	315440	1	FASTRAK 36 FRAME
	546895	320242	1	FASTRAK 42 FRAME
2	808493	808493	2	3/8-16 THREAD RIVET NUT
3	793869	793869	2	1.5 SQ TUBE PLUG

NOTES:

Engine Guard and Anti-rollover Bracket Assemblies

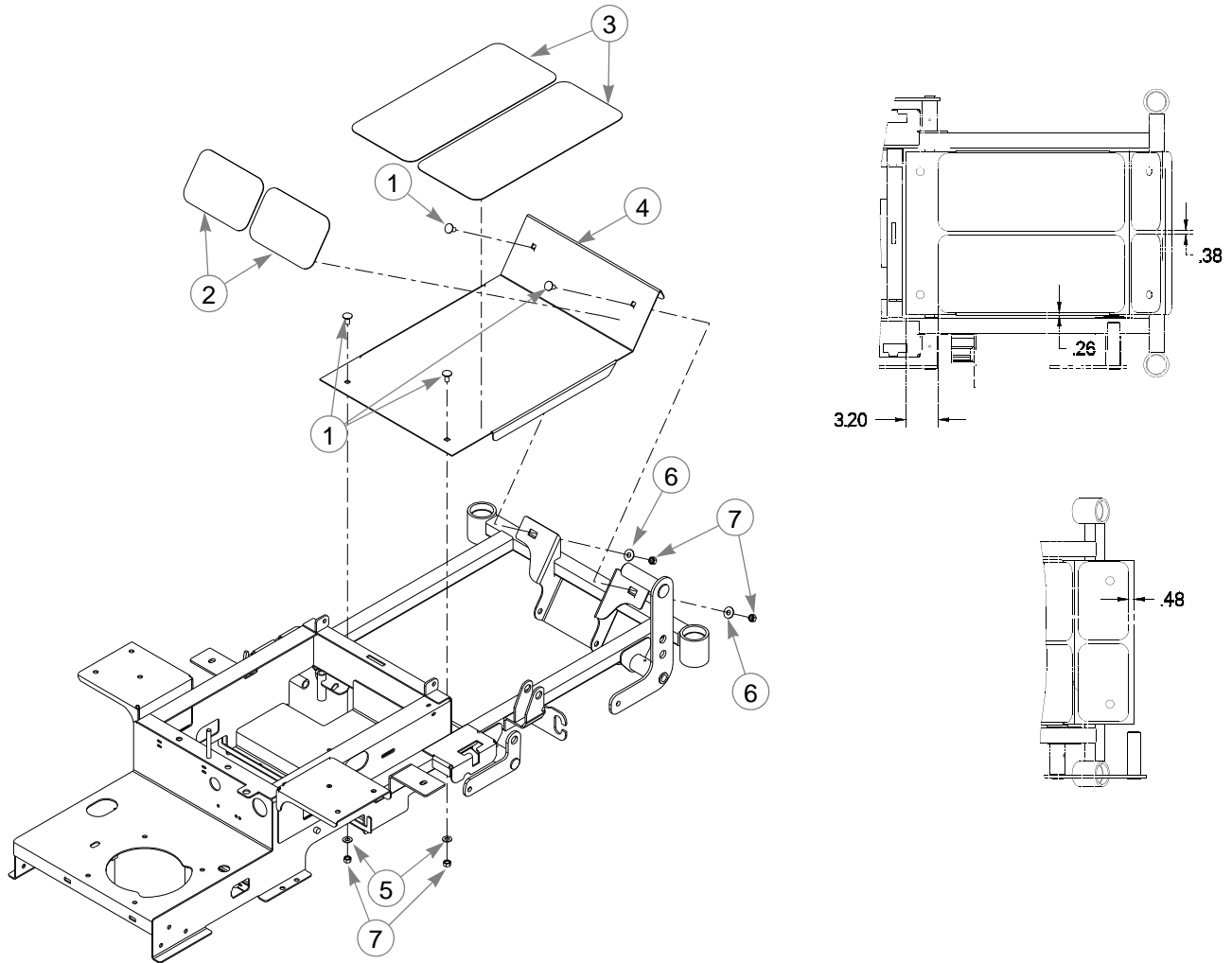


INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	316836	316836	1	ENGINE GUARD
2	320580	320580	2	ANTI ROLLOVER BRACKET
3	808493	808493	8	3/8-16 THREAD RIVET NUT
4	781567	781567	2	NT .50-13 HX LK NY ZNYC
5	344267	344267	4	FW .510 X 2.15 X .187SPL ZNYC
6	053199	N/A	2	NT .500-13 HX JAM ZNYC
7	767962	N/A	4	FW .531 X 1.063 X .090 SAE HD ZN
8	031997	N/A	2	ANTI-SCALP WHEEL
9	781708	N/A	2	CS .500-13 X 4.25 HX G5 ZNYC
1 10	788166	788166	2	ANTI SCALP WHEEL ASSEMBLY

NOTES:

1. Includes items 6 through 9.

Footrest Assembly



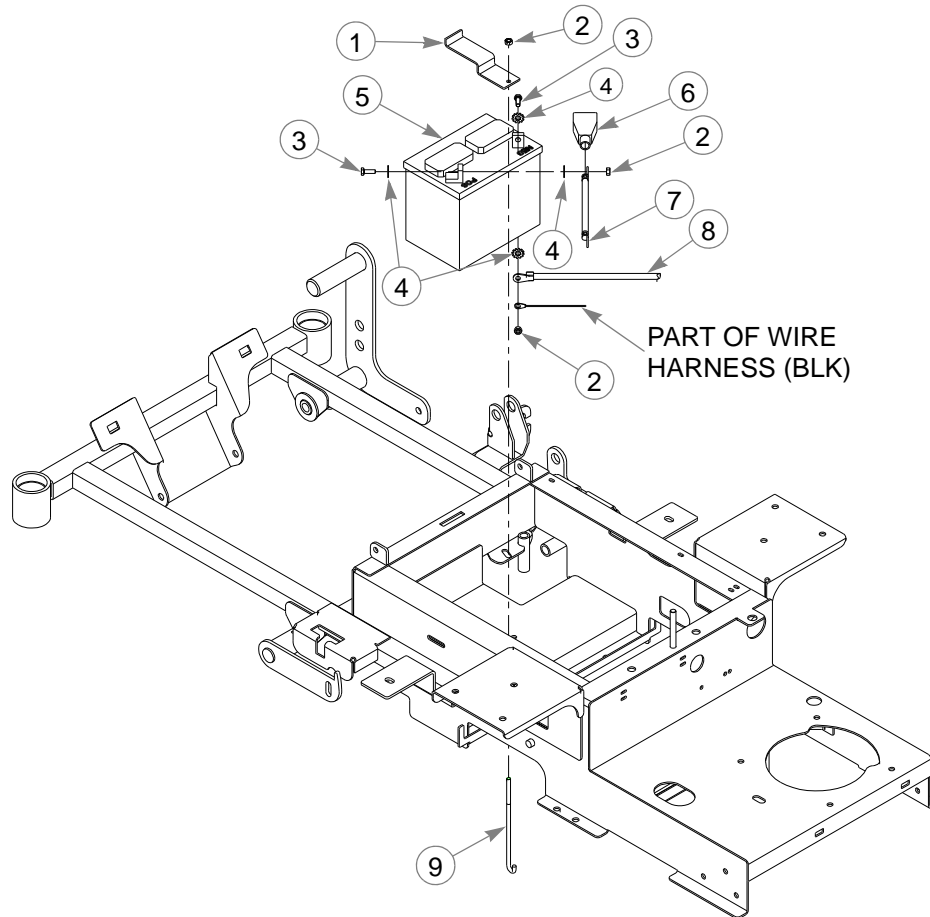
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	011320	011320	4	CB .375-16 X .75 STD ZN
2	785485	785485	2	UPPER STEP TREAD
3	793844	793844	2	LOWER STEP TREAD
4	320267	320267	1	FLOOR PLATE 36" MOWERS
	316844	316844	1	FLOOR PLATE 42" MOWERS
5	767954	767954	2	FW .406 X .812 X .060 SAE HD ZN
6	076422	076422	2	FW.406X 1.000X.06 ZNYC
7	054502	054502	4	NT .375-16 HX GRD 5 ZNYC

NOTES:

Chapter 3 Contents

Battery Installation	3-2
Deck Lift Assembly	3-3
Hydro Transmission Installation S/N Prior To 07091558.	3-4
Hydro Transmission Installation S/N Higher Than 07091558	3-6
Steering and Brake Assembly	3-8

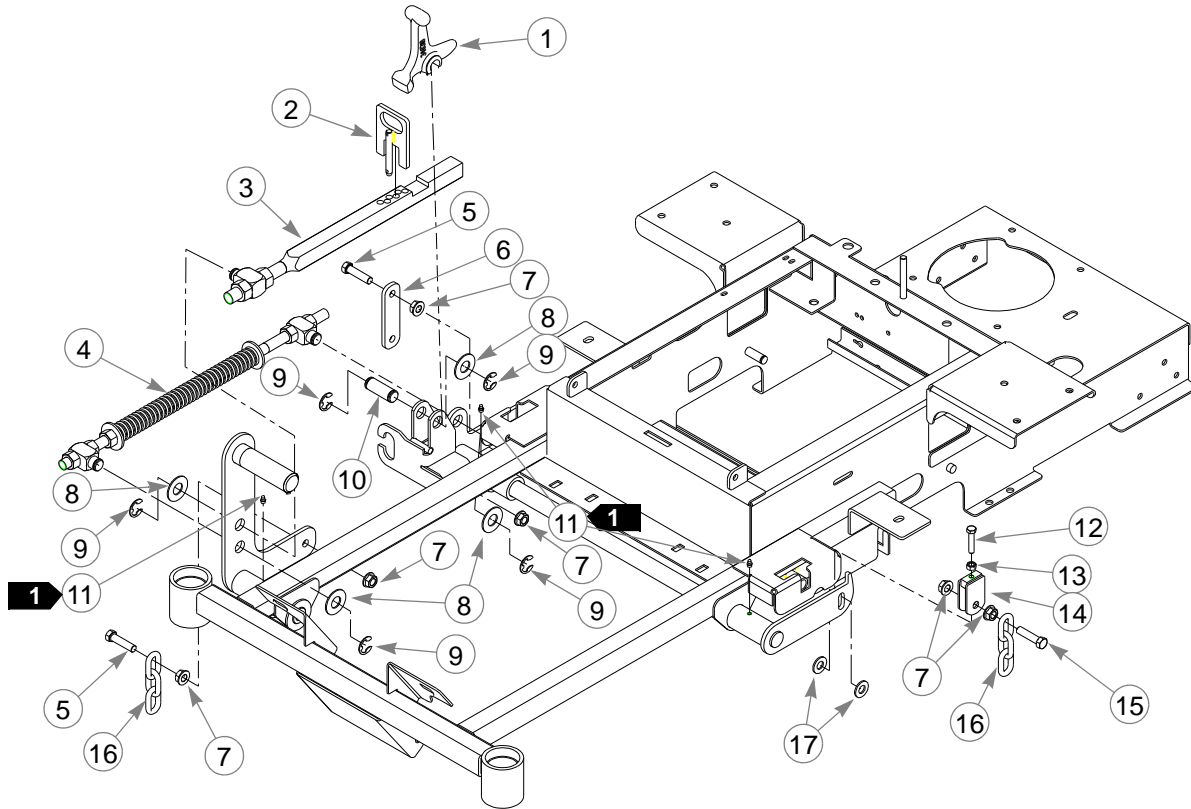
Battery Installation



INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	314989	314989	1	BATTERY CLAMP STRAP
2	024927	024927	3	NT .250-20 HX GR.5 ZNYC
3	055939	055939	2	CS .250-20 X .75 HX G5 ZNYC
4	029868	029868	4	LW .250 INT-EXT TOOTH ZNYC
5	740696	740696	1	BATTERY VU1LH-8
6	771428	771428	1	RED BATTERY CABLE BOOT
7	785063	785063	1	POSITIVE BATTERY CABLE (KOHLER)
	786632	786632	1	POSITIVE BATTERY CABLE (HONDA)
8	786640	786640	1	NEGATIVE BATTERY CABLE
9	793489	793489	1	BATTERY CLAMP ROD

NOTES:

Deck Lift Assembly

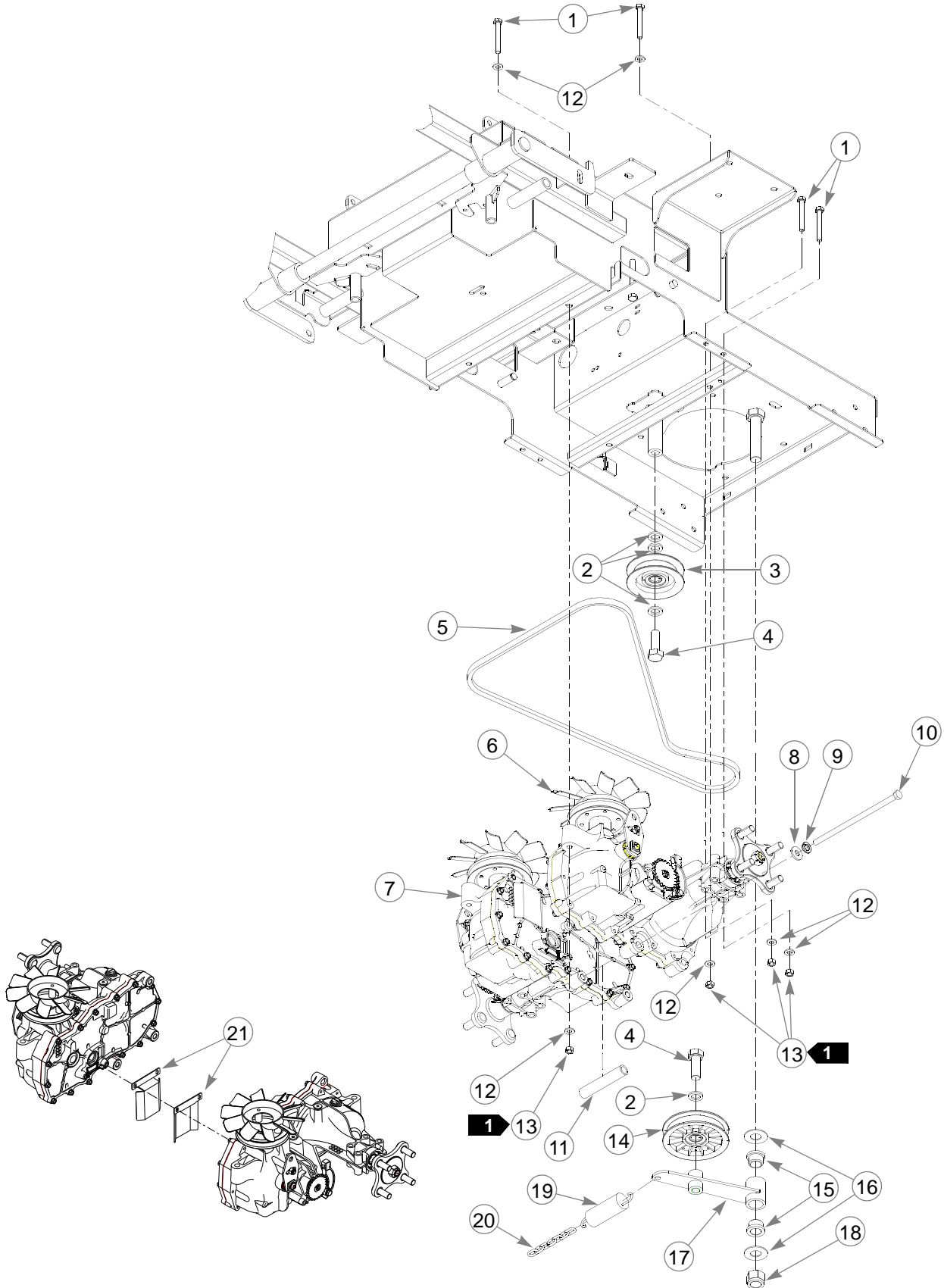


INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	348318	348318	1	STOP HANDLE
2	348284	348284	1	HEIGHT ADJUSTMENT STOP
3	793505	793505	1	DECK HEIGHT INDICATOR
4	782995	782995	1	DECK LIFT SPRING
5	055749	055749	2	CS .437-14 X 1.75 HX G5 ZNYC
6	334045	334045	1	DECK LIFT LINK
7	704643	704643	6	NT .437-14 HX FLG ZN
8	025296	025296	4	FW .760 X 1.625 X .08 ZNYC
9	781294	781294	5	E CLIP 1.00 X.625X .050
10	781229	781229	1	CE .750 X 2.25 X 1.75 HEADLESS
11	015495	015495	3	STRAIGHT GREASE FITTING
12	756270	756270	1	CS .312-18 X 1.50 FLTHR GR5 ZNYC
13	034272	034272	1	NT .312-18 HX G5 ZNYC
14	348458	348458	1	DECK LEVELER YOKE
15	781831	781831	1	CS .437-14 X 1.75 FULTH G5 ZNYC
16	360131	018846	2	DECK LIFTCHAIN
17	767962	767962	2	FW .531 X 1.063 X .090 SAE HD ZN

NOTES:

1. Apply grease to zerks (see owners manual).

Hydro Transmission Installation S/N Prior To 07091558



Hydro Transmission Installation S/N Prior To 07091558

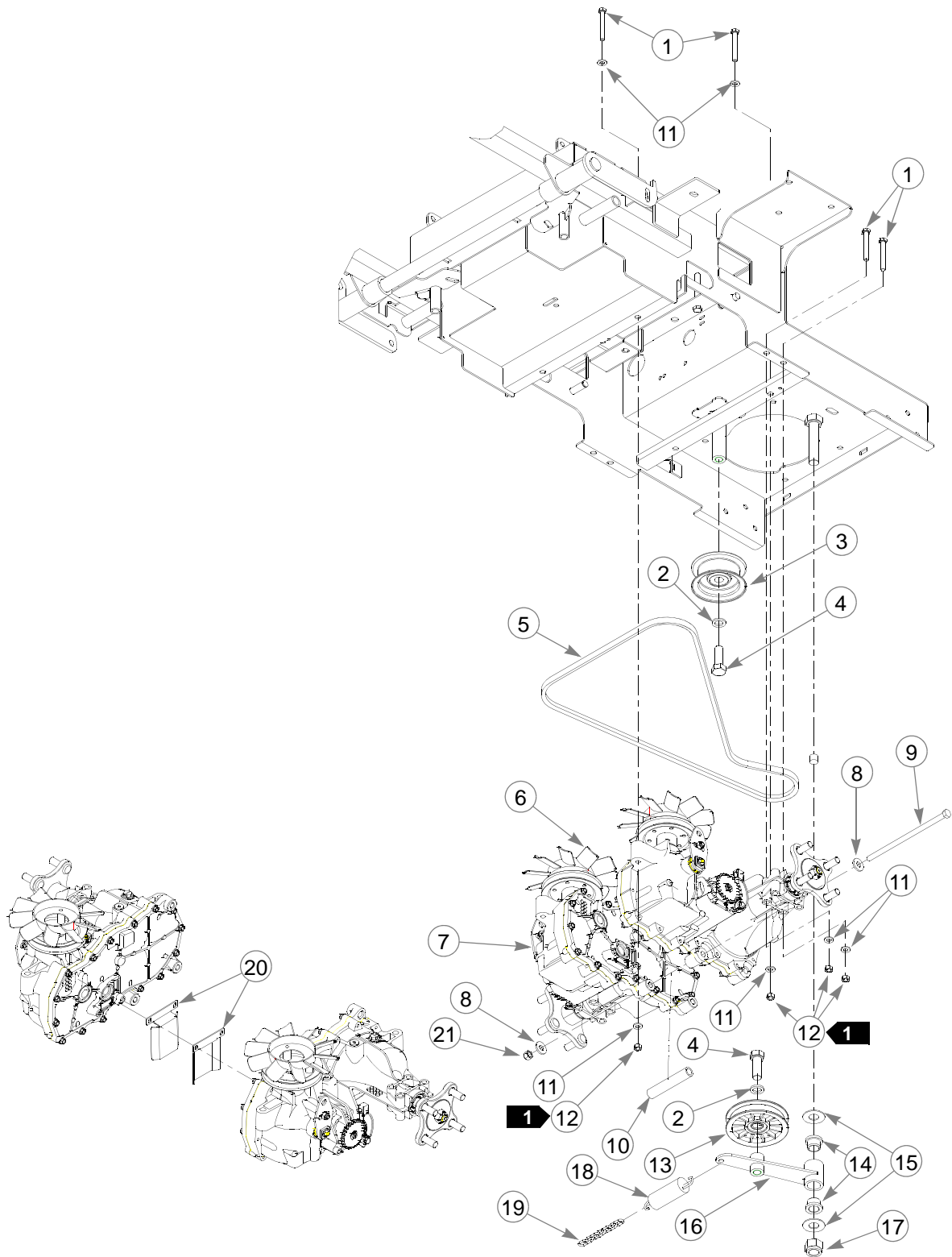
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	710087	710087	8	CS .312-18 X 2.50 HX G5 ZNYC
2	028118	028118	2	FW .62 X 1.00 X .134 ZNYC
3	794404	794404	1	PULLEY
4	025007	025007	2	CS .625-11 X 1.75 HX G5 ZNYC
5	793836	793836	1	A-SECTION PUMP BELT
6	792911	792911	1	EZT LEFT PUMP/MOTOR COMBO
7	792895	792895	1	EZT RIGHT PUMP/MOTOR COMBO
8	718288	718288	1	FW .516 X .875 X .09 ZNYC
9	035238	035238	1	LW .437 MED SPRING ZYNC
10	794552	794552	1	NT .375-16 HXZY NL
11	335695	335695	1	SPACER TUBE-EZT MINI FST
12	768523	768523	12	FW .343 X .687 X .051/.080 HD ZNYC
13	034272	034272	8	NT .312-18 HX G5 ZNYC
14	784827	784827	1	4.00"OD, 5/8"ID IDLER PULLEY
15	781153	781153	2	UHMW BUSHING
16	025296	025296	2	FW .760 X 1.625 X .08 ZNYC
3	324046	324046	1	PUMP BELT IDLER ARM
18	061101	061101	1	NT .750-10 HX NL ZN
19	036384	036384	1	IDLER SPRING
20	364315	059931	1	SPRING CHAIN
21	335893	335893	2	BELT DEFLECTOR

NOTES:

1. Torque to 17 ft.-lbs.
2. Install using existing hardware on EZT.
3. Do not torque, item 17 (Pump Belt Idler Arm) must pivot freely.
4. Hydro transmission service parts:

PART NUMBER PRIOR TO SERIAL NUMBER 06081543	DESCRIPTION	PART NUMBER SERIAL NUMBER 06081543	DESCRIPTION
792013	AXLE NUT	788877	AXLE NUT
794982	FAN, EZT	794974	EZT PULLEY KIT
795005	RIGHT EZ CAP-VENT ASSY	795039	LEFT EZ VENT TUBE ASSY
795013	EZT NUT, SPECIAL	791723f	FW .530 X 1.63 X .06 SLO
795021	HUB ASSEMBLY	788232	HUB ASSEMBLY
795047	PARKING PAWL KIT, EZT	798363	PARKING BRAKE GEAR
795054	90 DEG VENT FITTING	795062	RIGJHT EZT VENT HOSE
798371	RETAINING RING	792929	PULLEY/FAN COMBO 36/42

Hydro Transmission Installation S/N Higher Than 07091558



Hydro Transmission Installation S/N Higher Than 07091558

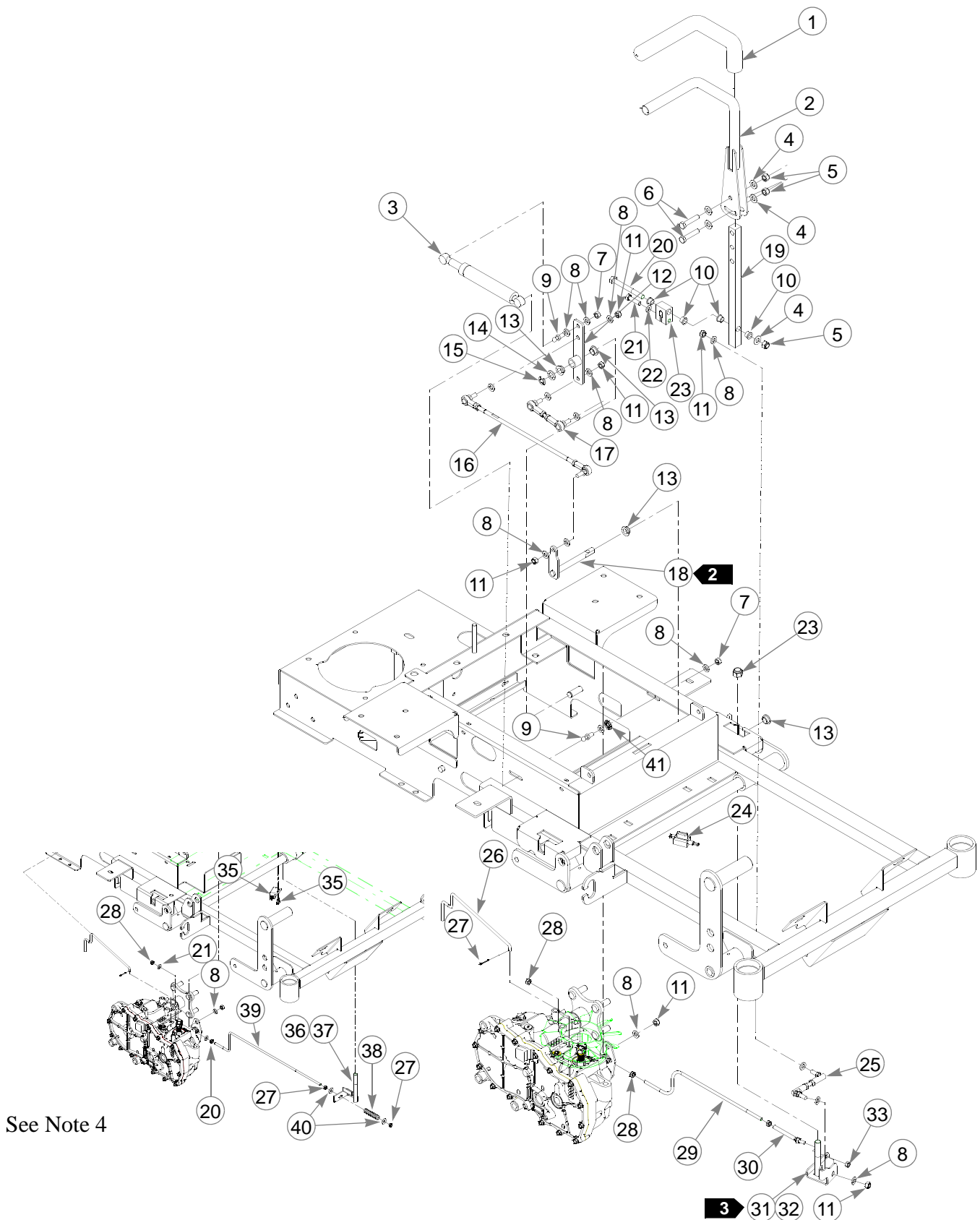
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	710087	710087	8	CS .312-18 X 2.50 HX G5 ZNYC
2	028118	028118	2	FW .62 X 1.00 X .134 ZNYC
3	601162	601162	1	PULLEY
4	025007	025007	2	CS .625-11 X 1.75 HX G5 ZNYC
5	793836	793836	1	A-SECTION PUMP BELT
6	792911	792911	1	EZT LEFT PUMP/MOTOR COMBO
7	792895	792895	1	EZT RIGHT PUMP/MOTOR COMBO
8	712919	712919	2	FW .516 X .875 X .09 ZNYC
9	721134	721134	1	CS .375-16X8.0 HX.GR5 Z
10	335695	335695	1	SPACER TUBE-EZT MINI FST
11	768523	768523	12	FW .343 X .687 X .051/.080 HD ZNYC
12	034272	034272	8	NT .312-18 HX G5 ZNYC
13	784827	784827	1	4.00"OD, 5/8"ID IDLER PULLEY
14	781153	781153	2	UHMW BUSHING
15	025296	025296	2	FW .760 X 1.625 X .08 ZNYC
16	324046	324046	1	PUMP BELT IDLER ARM
17	061101	061101	1	NT .750-10 HX NL ZN
18	036384	036384	1	IDLER SPRING
19	364315	059931	1	SPRING CHAIN
20	335893	335893	2	BELT DEFLECTOR
21	086660	086660	1	NT .375-16 HXZY NL

NOTES:

1. Torque to 17 ft.-lbs.
2. Hydro transmission service parts:

PART NUMBER PRIOR TO SERIAL NUMBER 06081543	DESCRIPTION	PART NUMBER SERIAL NUMBER 06081543	DESCRIPTION
792013	AXLE NUT	788877	AXLE NUT
794982	FAN, EZT	794974	EZT PULLEY KIT
795005	RIGHT EZ CAP-VENT ASSY	795039	LEFT EZ VENT TUBE ASSY
795013	EZT NUT, SPECIAL	791723f	FW .530 X 1.63 X .06 SLO
795021	HUB ASSEMBLY	788232	HUB ASSEMBLY
795047	PARKI NG PAWL KIT, EZT	798363	PARKING BRAKE GEAR
795054	90 DEG VENT FITTING	795062	RIGJHT EZT VENT HOSE
798371	RETAINING RING	792929	PULLEY/FAN COMBO 36/42

Steering and Brake Assembly



Steering and Brake Assembly

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
	781260	N/A	2	STEERING BAR GRIP
4	360487	360487	2	STEERING BAR
	600221	600221	2	CENTERING DAMPER
5	783696	783696	2	CENTERING DAMPER
	767954	767954	10	FW .406 X .812 X .060 SAE HD ZN
	086660	086660	6	NT .375-16 HX LK NY
	705178	705178	4	CS .375-16 X 1.75 HX G5 ZNYC
	034272	034272	4	NT .312-18 HX G5 ZNYC
	768523	768523	22	FW .343 X .687 X .051/.080 HD ZNYC
	781922	781922	4	DAMPER BALL STUD
	797779	797779	8	IGUS® BUSHING
	023655	023655	12	NT .312-24 HX ZNYC
	325464	325464	2	STEERING CONTROL ARM
	768259	768259	8	IGUS® BUSHING
	718288	718288	2	FW .516 X .875 X .09 ZNYC
	793059	793059	2	E CLIP .80X.396X.042
	793646	793646	2	PUMP ROD ADJUSTER ASSEMBLY
	794396	794396	2	STEERING LINK ROD
	793612	793612	2	STEERING DRIVE ARM
	797753	797753	2	STEERING ARM
	005108	005108	2	CS .375-16 X 3.50 HX G5
	079186	079186	2	CS .312-18 X 1.25 HX G5 ZNYC
	797761	797761	2	STEERING BLOCK
	781567	781567	2	NT .50-13 HX LK NY ZNYC
	795625	795625	2	SNAP MOUNT PLUNGER SWITCH
	796615	796615	2	BALL JOINT LINK
	793174	793174	2	TOWLINK ROD
	048553	048553	2	CP .062D X 1.00 LG HML ZN
	068551	068551	4	NT .250-20 HX NL ZNYC
	797050	797050	2	BRAKE ACTUATOR ROD
	795229	795229	2	INLINE BALL JOINT
	352112	352112	1	L. H. BRAKE PIVOT (SHOWN)
	352054	352054	1	R. H. BRAKE PIVOT (NOT SHOWN)
	024927	024927	2	NT .250-20 HX GR.5 ZNYC
3	781211	781211	2	PUSH BUTTON SWITCH, (DELTA)
3	060731	060731	4	CS 10-24 X .500 HXFLK ZNYC
3	315382	N/A	1	LEFT BRAKE PIVOT ARM (SHOWN)
3	315101	N/A	1	RIGHT BRAKE PIVOT ARM (NOT SHOWN)
3	794883	794883	2	COMPRESSION SPRING
3	793182	793182	2	BRAKE ACTUATOR ROD
3	089789	089789	4	FW .266 X .750 X .06 ZNYC
	029876	029876	2	LW .312 INT-EXT TOOTH Z

NOTES:

1. To adjust park brake safety switch: with Steering Bars in park position, adjust item 24 (795625 Snap Mount Plunger Switch) outboard until

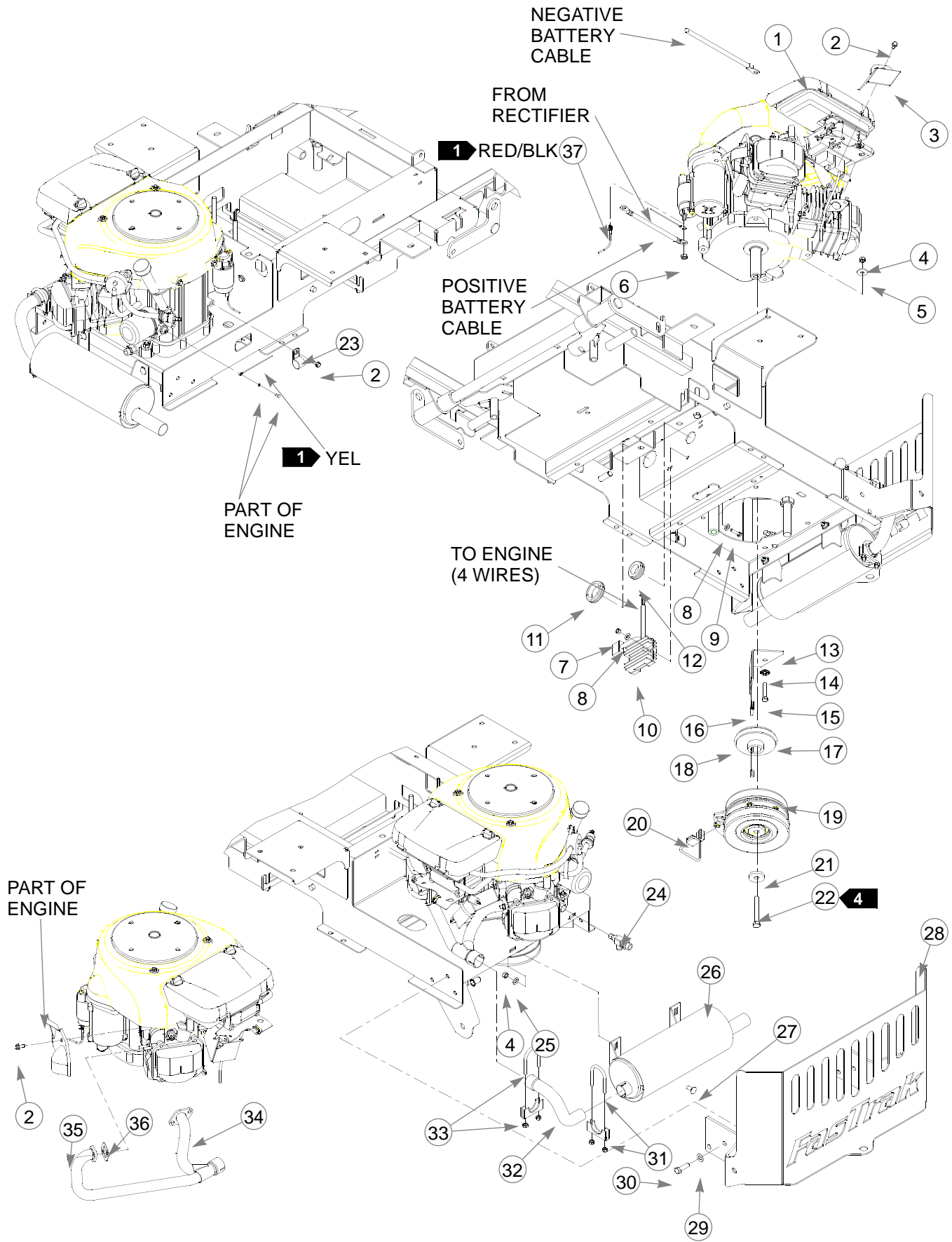
switch is activated by items 31/32 (352112/352054 Brake Pivots).

2. Order these parts for mowers with serial number prior to 05040000.
3. Includes Item 1 (781260 Steering Bar Grip).
4. Use on mowers with serial numbers prior to 060171975.

Chapter 4 Contents

Honda 16 HP Engine Installation.	4-2
Kohler 15 & 17 HP Engine Installation.	4-6
Fuel System Installation.	4-10
Instrument Panel Installation	4-12
Honda 16HP Electrical Schematic (793083)	4-14
Kohler 15 & 17 HP Electrical Schematic (601127& 793117).	4-16

Honda 16 HP Engine Installation



Honda 16 HP Engine Installation

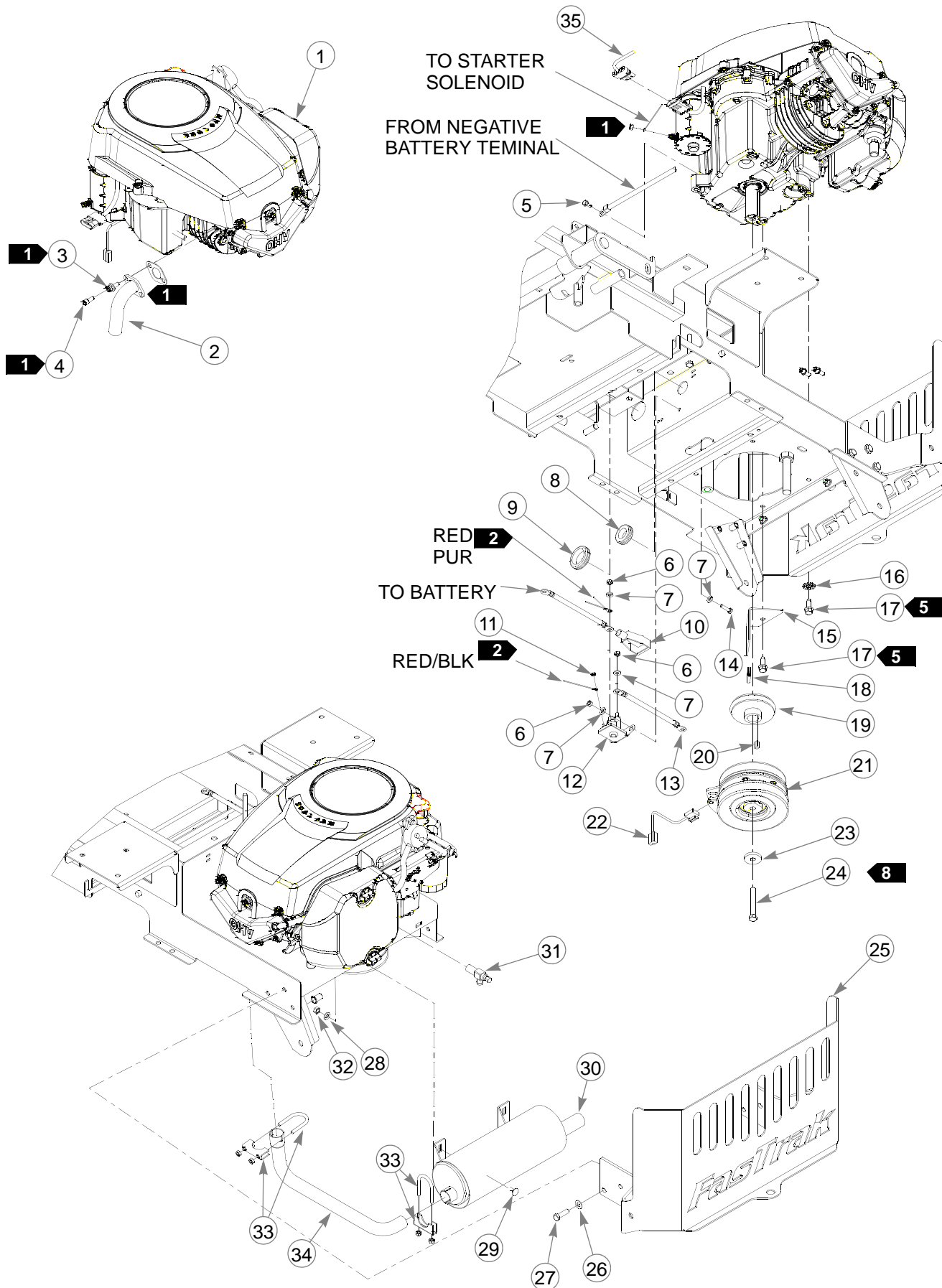
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	785394	785394	1	HONDA 16HP ENGINE (USED ON 927368 & 927376)
2	739144	792796	3	
3	378273	378273	1	16HP EXHAUST HEAT SHIELD
4	034272	034272	6	NT .312-18 HX G5 ZNYC
5	712927	712927	4	FW .344 X 1.00 X .12 HRD ZNYC
6	782664	782664	1	NT M8-1.25 HX STAINLESS STEEL
7	024927	024927	2	NT .250-20 HX GR.5 ZNYC
8	768515	768515	4	FW .281 X .625 X .051/.080 HD ZNYC
9	056077	056077	2	CS .250-20 X 1.00 HX G5 ZNYC
10	787267	N/A	1	HONDA 16 AMP RECTIFIER
11	794644	794644	1	GM 1.50 X 2.12 X 1.75 X .12
12	706531	706531	1	GM 1.12 X 1.75 X 1.37 X .12
13	330274	330274	1	CLUTCH ANCHOR
14	029876	029876	4	LW .312 INT-EXT TOOTH ZNYC
15	050161	050161	4	CS .312-18 X 1.75 HX G5 ZNYC
16	784918	784918	1	RUBBER BUMPER
17	793760	793760	1	ENGINE-HYDRO DRIVE PULLEY
18	712372	712372	1	KEY 1/4 SQ. X 0.66 LONG
19	601325	601325	1	WARNER CLUTCH
20	791251	N/A	1	CLUTCH WIRE HARNESS PIGTAIL
21	763417	763417	1	FW .454 X 1.50 X.250
22	785048	785048	1	CS .437-20 X 3.00 HX G5 ZNYC
23	043570	043570	1	SINGLE HOSE CLIP
24	791608	791608	1	OIL DRAIN VALVE, M16 X 1.5
25	768523	768523	2	FW .343 X .687 X .051/.080 HD ZNYC
26	793125	793125	1	MUFFLER 15,17 KOHLER & 16 HONDA
27	016253	016253	2	CB .312-18 X .750 FUL ZN
28	316836	316836	1	ENGINE GUARD
29	767954	767954	6	FW .406 X .812 X .060 SAE HD ZN
30	052860	052860	6	CS .375-16 X 1.25 HX G5 ZNYC
31	794180	794180	1	1.125" EXHAUST CLAMP
32	793166	793166	1	16 HONDA MID EXHAUST PIPE
33	794172	794172	1	1.25" EXHAUST CLAMP
34	793141	793141	1	16 HONDA MANIFOLD
35	005231	005231	4	NT M6-1.0-10 HX FLG ZN
36	785543	N/A	2	HONDA MUFFLER GASKET
37	793083	793083	1	HONDA WIRE HARNESS
38	104786	104786	1	OIL DRAIN HOSE (NOT SHOWN)

NOTES:

1. Part of item (793083 Honda Wire Harness).
2. Engine oil capacity: See engine owner's manual.
3. Engine speed; 3550±50 RPM.
4. Torque to 45-48 ft-lb.

.This page intentionally left blank.

Kohler 15 & 17 HP Engine Installation



Kohler 15 & 17 HP Engine Installation

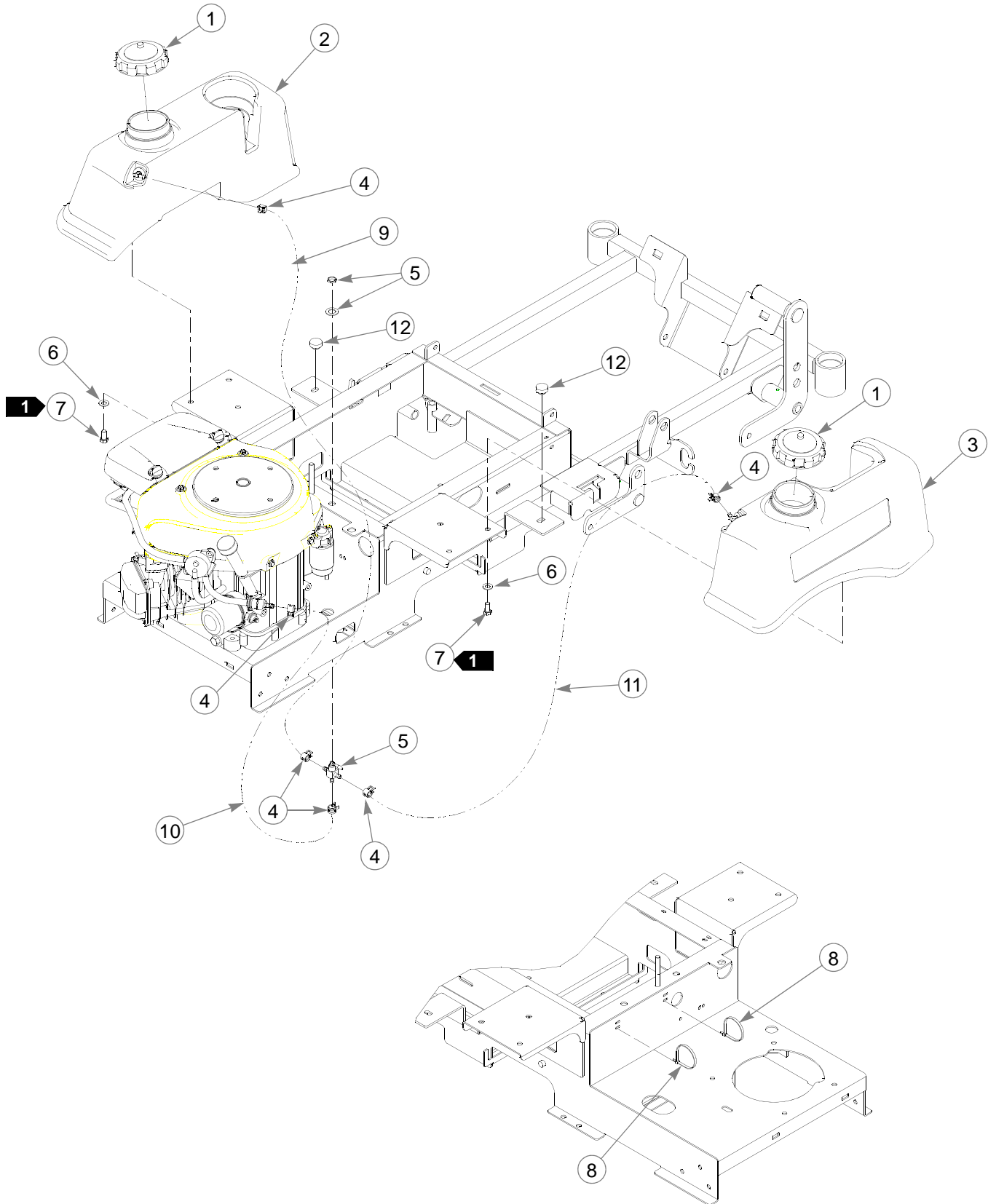
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	792945	792945	1	KOHLER 15 HP ENGINE SV470S
	792952	792952	1	KOHLER 17 HP ENGINE SV530S
2	793133	793133	1	KOHLER 15 & 17 HP EXHAUST MANIFOLD
3	017004	N/A	2	LW .312 MED SPRING ZNYC
4	704478	N/A	2	CS .312-18 X .75 SKTHD BO
5	739144	792796	1	CS M 6-1.0 X 12 10.9 HX
6	024927	024927	4	NT .250-20 HX GR 5 ZNYC
7	768515	768515	6	FW .281 X .625 X .051/.080 HD ZNYC
8	706531	706531	1	GM 1.12 X 1.75 X 1.37 X .12
9	794644	794644	1	GM 1.50 X 2.12 X 1.75 X .12
10	771428	771428	1	RED BATTERY CABLE BOOT
11	044255	044255	1	NT #10-32 HX ZN
12	030817	030817	1	STARTER SOLENOID
13	792762	792762	1	BATTERY CABLE
14	056077	056077	2	CS .250-20 X 1.00 HX G5 ZNYC
15	330274	330274	1	CLUTCH ANCHOR
16	793885	793885	1	LW .375 INT-EXT TOOTH
17	036244	792788	4	CS .375-16X1.000 HX G5
18	784918	784918	1	RUBBER BUMPER
19	793760	793760	1	ENGINE-HYDRO DRIVE PULLEY
20	712372	712372	1	KEY 1/4 SQ. X 0.66 LONG
21	601325	601325	1	WARNER CLUTCH
22	791251	N/A	1	CLUTCH WIRE HARNESS PIGTAIL
23	763417	763417	1	FW .454 X 1.50 X.250
24	785048	785048	1	CS .437-20 X 3.00 HX G5 ZNYC
25	316836	N/A	1	ENGINE GUARD
26	767954	767954	6	FW .406 X .812 X .060 SAE HD ZN
27	052860	052860	6	CS .375-16 X 1.25 HX G5 ZNYC
28	768523	768523	2	FW .343 X .687 X .051/.080 HD ZNYC
29	016253	016253	2	CB .312-18 X .750 FUL ZN
30	793125	793125	1	MUFFLER 15,17 KOHLER & 16 HONDA
31	796516	796516	1	3/8-18 OIL DRAIN VALVE
32	034272	034272	2	NT .312-18 HX G5 ZNYC
33	794180	794180	2	1.125" EXHAUST CLAMP
34	793158	793158	1	KOHLER 15 & 17 HP MID EXHAUST PIPE
7 35	793117	793117	1	KOHLER WIRE HARNESS
	601127	601127	1	KOHLER WIRE HARNESS

NOTES:

-
1. Supplied with engine.
 2. Part of Kohler Wire Harness item 35 (601127-For S/N higher than 07011902; 793117-For S/N prior to 07011902).
 3. Engine oil capacity: See engine owner's manual.
 4. Engine speed; 3600±50 RPM.
 5. Torque to 33-37 ft.-lbs. Do not reuse factory installed screw when performing service to mower requiring removal of engine, replace with 3/8-16 X 1.0 long grade 5 cap screw.
 6. Used on mowers with serial numbers prior to 7020776.
 7. Used on mowers with serial numbers after 7020776.
 8. Torque to 45-48 ft-lb.

This page intentionally left blank.

Fuel System Installation



Fuel System Installation

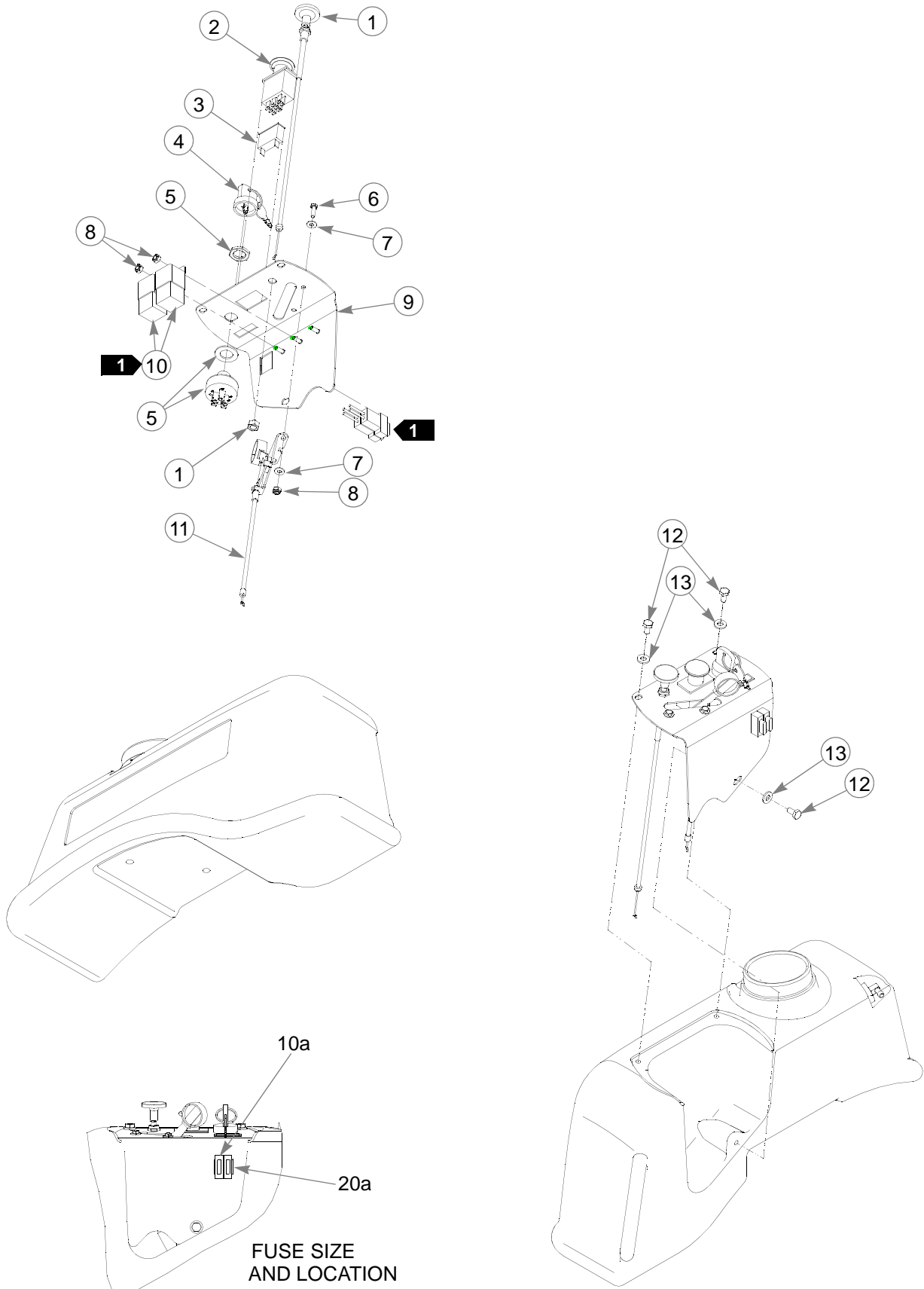
INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	779306	779306	2	3.5" FUEL CAP
2	792978	792978	1	36/42 LEFT SIDE FUEL TANK
3	792960	792960	1	36/42 RIGHT SIDE FUEL TANK
4	000323	000323	6	CLIP
5	745059	745059	1	3-WAY FUEL VALVE
6	767954	767954	10	FW .406 X .812 X .060 SAE HD ZN
7	055822	055822	8	CS .375-16 X .75 HX G5 ZNYC
8	000331	000331	2	SMALL, SHORT WIRE TIE
9	015818	015818	1	FUEL LINE, 21.00" LONG
10	015818	015818	1	FUEL LINE, 16.25" LONG (HONDA)
5	015818	015818	1	FUEL LINE, 12.00" LONG (KOHLER)
6	015818	015818	1	FUEL LINE, 14.00" LONG (KOHLER)
11	015818	015818	1	FUEL LINE, 8.5" LONG
12	781880	781880	2	BUMPER, .500X 1.00X .312 X.188

NOTES:

1. Torque to 20 ft.-lbs.
2. Service parts (not shown) for fuel system:

799221	SUCTION HOSE ASSY
794081	FUEL FILTER SCREEN
785295	FUEL GROMMET
792986	SITE-LINE TANKS FUEL FITTING
3. Used on mowers with serial numbers higher than 07110561.
4. Used on mowers with serial numbers prior to 07110561.

Instrument Panel Installation



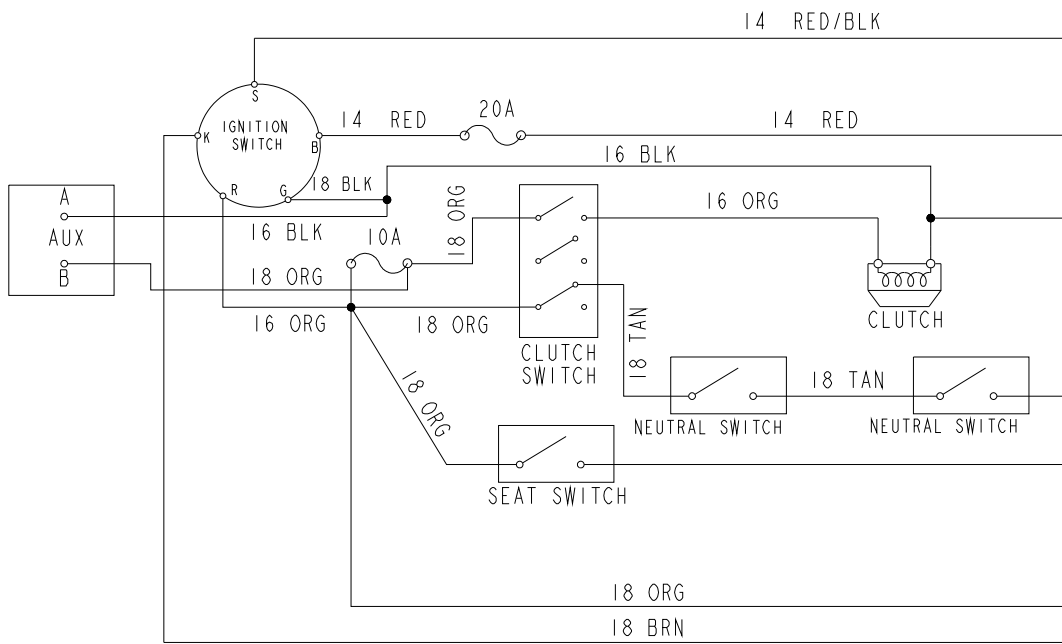
Instrument Panel Installation

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	786657	786657	1	CHOKE CABLE (KOHLER)
	785030	785030	1	CHOKE CABLE (HONDA)
2	776476	776476	1	PTO SWITCH
3	712257	712257	1	RED INDICATOR LIGHT
2 4	785808	785808	1	KEY ASSEMBLY
5	045898	045898	1	KEY SWITCH
6	714998	714998	2	MS #10-24 X .625 HX ZN
7	704932	704932	4	FW .219 X .500 X .048 ZNYC
8	059832	059832	4	NT #10-24 HX NL ZN
9	321059	321059	1	INSTRUMENT PANEL
10	026237	N/A	2	RELAY
11	793810	793810	1	THROTTLE CABLE (HONDA)
	778365	778365	1	THROTTLE CABLE (KOHLER)
12	055947	055947	3	CS .250-20X .500 HX G5 ZNYC
13	768515	768515	3	FW .281 X .625 X .051/.080 HD ZNYC

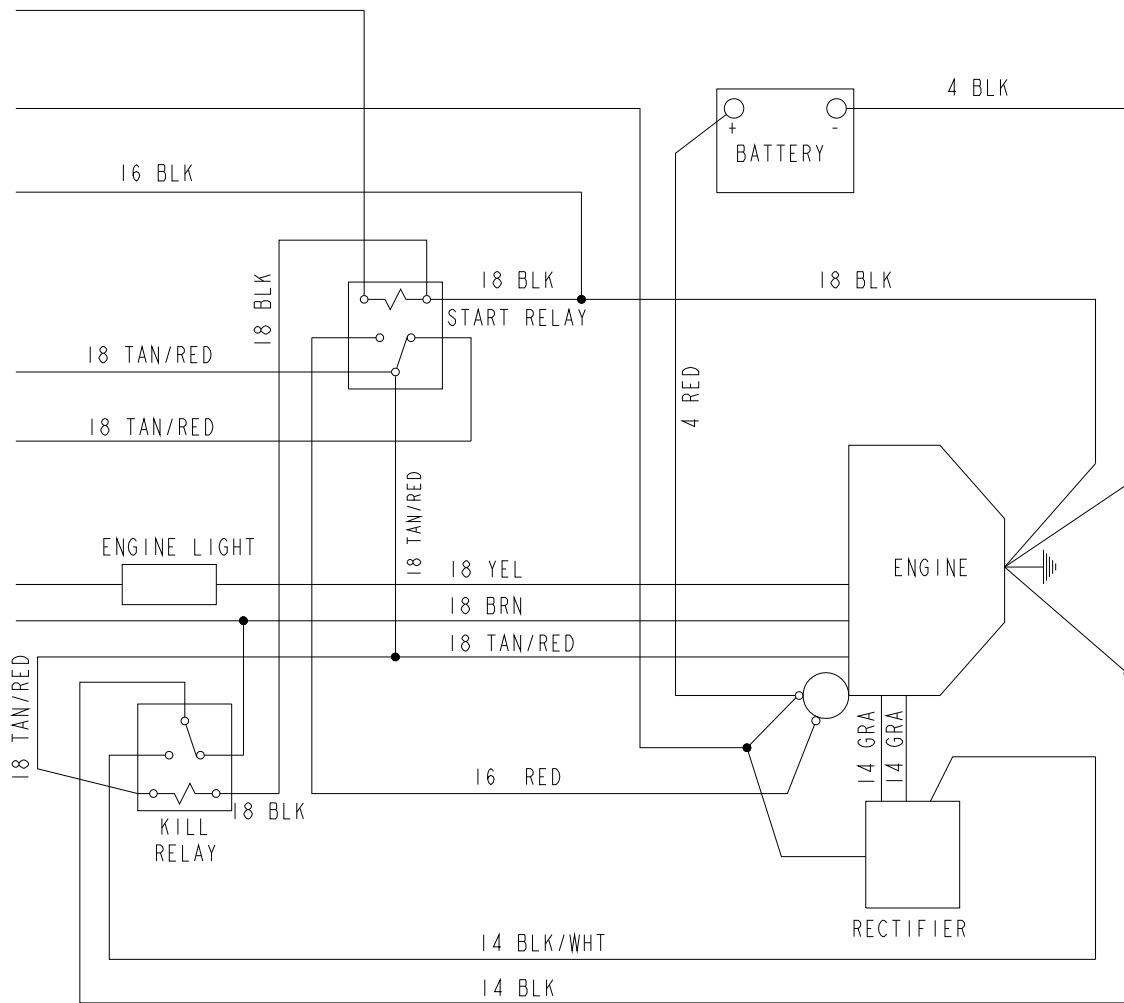
NOTES

1. Part of 601127, 793117 or 793083 (Tractor Wire Harness).
2. Includes one (1) key and one (1) 083022 metal key.

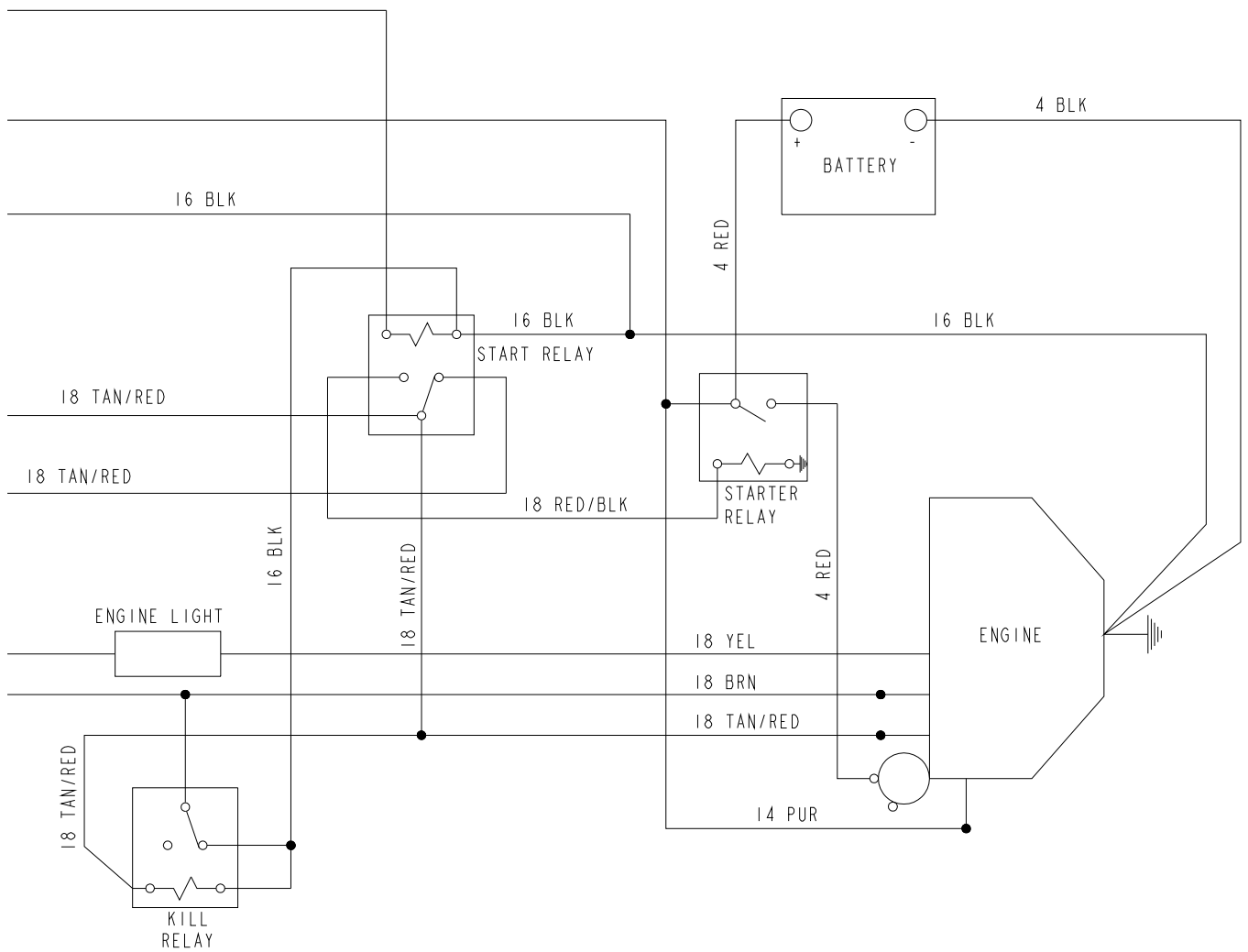
Honda 16HP Electrical Schematic (793083)



Honda 16HP Electrical Schematic (793083)



Kohler 15 & 17 HP Electrical Schematic (601127&793117)

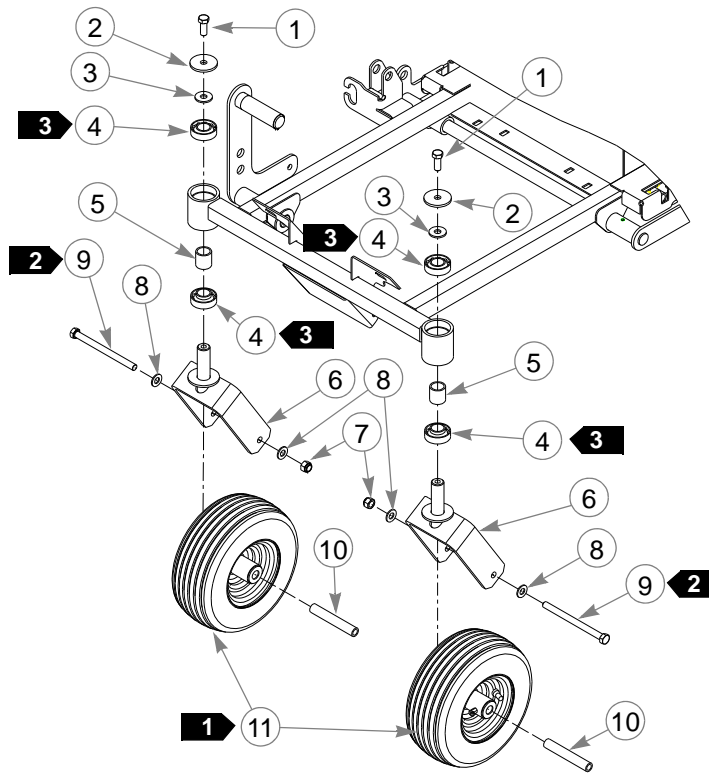


This page intentionally left blank.

Chapter 5 Contents

Front Wheel Assembly.	5-2
Front Wheel Breakdown -768044	5-3
Drive Wheel Assembly.	5-4

Front Wheel Assembly

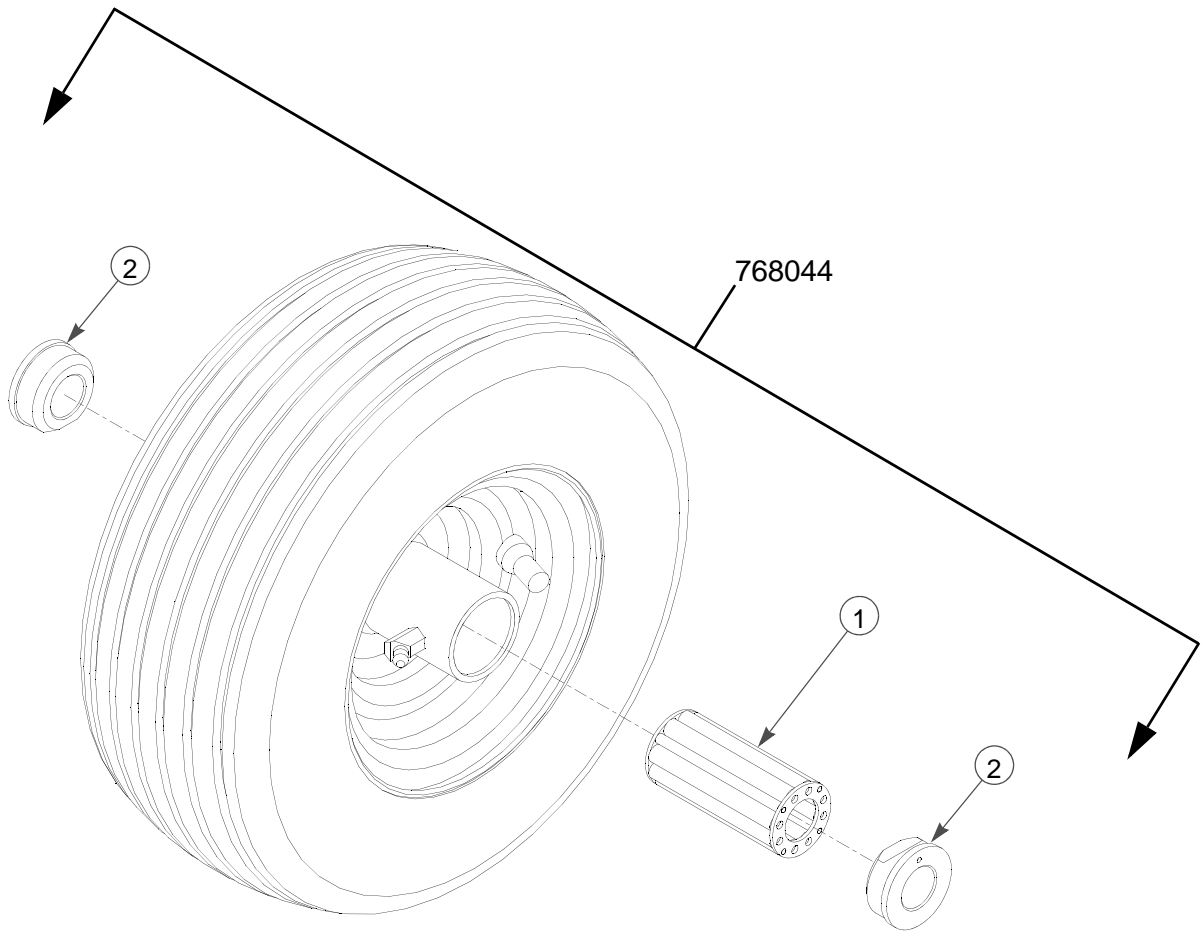


INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	705954	705954	2	CS .500-13 X 1.25 HX G5 ZNYC
2	344267	344267	2	FW .510 X 2.15 X .187 SPL ZNYC
3	712976	712976	2	FW .531 X 1.375 X .125 ZNYC
4	784223	784223	4	BEARING
5	784603	784603	2	SPACER
6	339689	339689	2	CASTER FORK
7	781567	781567	2	NT .50-13 HX LK NY ZNYC
8	767962	767962	4	FW .531 X 1.063 X .090 SAE HD ZN
9	042630	042630	2	CS .500-13 X 6.50 HX G5 ZNYC
10	306969	306969	2	GAGE WHEEL SPACER
11	768044	768044	2	TIRE/WHL 11X4-5 RIBBED

NOTES:

1. Apply grease to zerks, see owners manual.
2. Torque to 75 ft.-lbs.
3. Assemble with extended inner race down.

Front Wheel Breakdown -768044

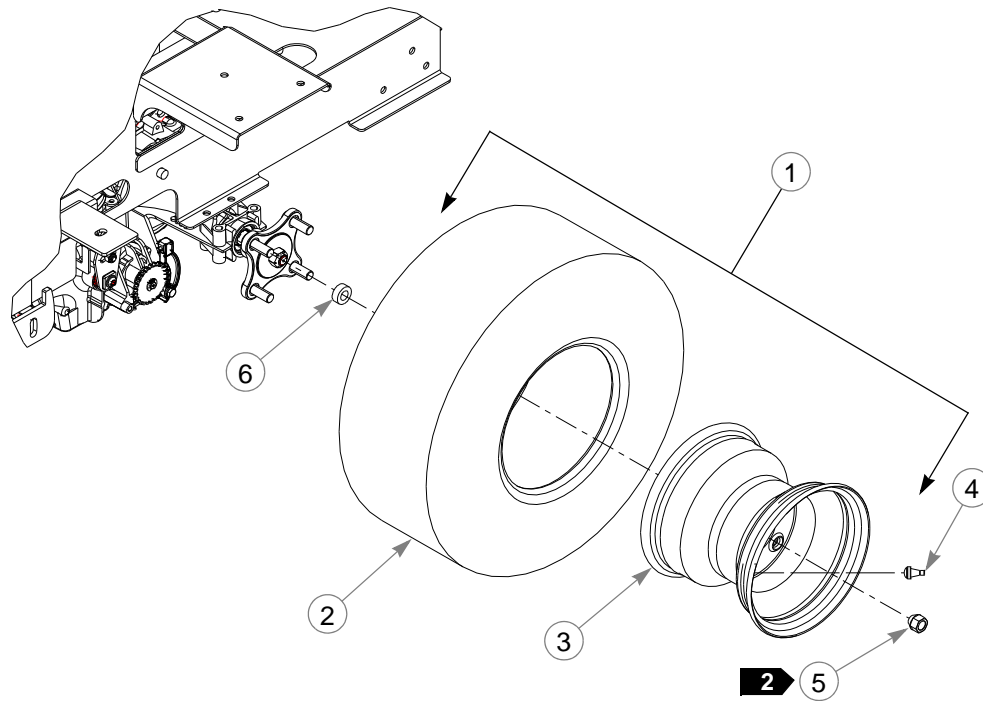


INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY	DESCRIPTION
1	772814	N/A	1	3/4" ROLLER BEARING
2	772806	N/A	2	BEARING CAP

NOTES:

1. Inflate tire to 8-12 psi.

Drive Wheel Assembly



INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY	DESCRIPTION
1	783134	783134	2	WHEEL/TIRE ASSEMBLY 18 X 8.50 (PER 36" MOWER)
2	783142	N/A	1	TIRE 18 X 8.5-8
3	783159	N/A	1	WHEEL ASSY 8.00 X 7.00
4	019521	N/A	1	TIRE VALVE
5	061077	061077	8	WHEEL NUT (PER MOWER)
3	793406	793406	8	SPACER, .375TH X .53 ID X 1.0 OD ZN (PER MOWER)
1	784264	784264	2	WHEEL/TIRE ASSY 18 X 9.50 (PER 42" MOWER)
2	784272	N/A	1	TIRE 18 X 9.5-8
3	784280	N/A	1	WHEEL ASSY 8.00 X 6.32
4	019521	N/A	1	TIRE VALVE
5	061077	061077	8	WHEEL NUT (PER MOWER)

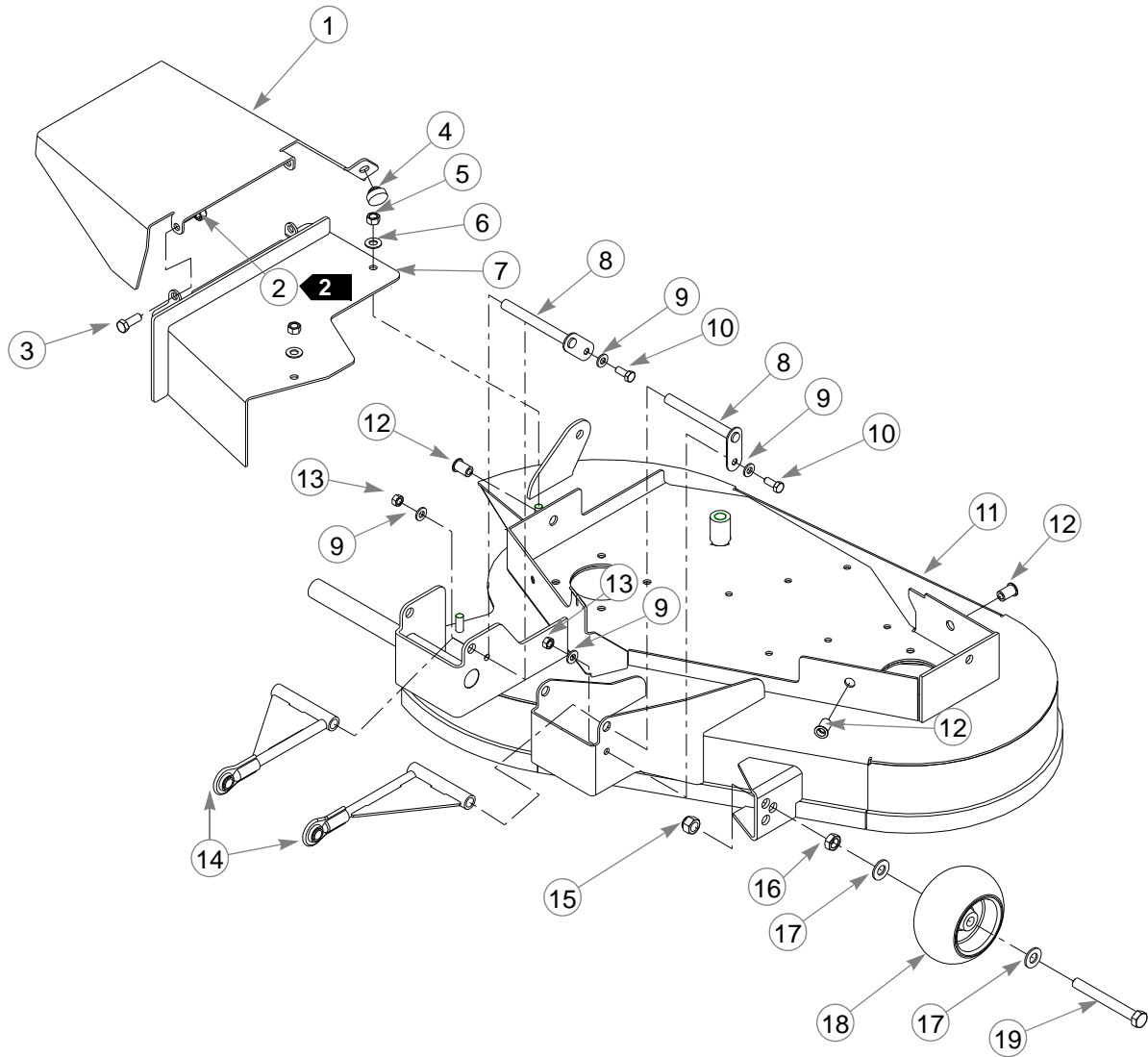
NOTES:

1. Inflate tire to 8-12 psi.
2. Torque to 65-75 ft.-lb.
3. Used on 36" mowers only (927343(CE) & 927376(CE))

Chapter 6 Contents

Deck Assembly 36"	6-2
Deck Pulley Assembly 36"	6-4
Deck Assembly 42"	6-8
Deck Pulley Assembly 42"	6-10
Blade Spindle Assembly Breakdown	6-14

Deck Assembly 36"



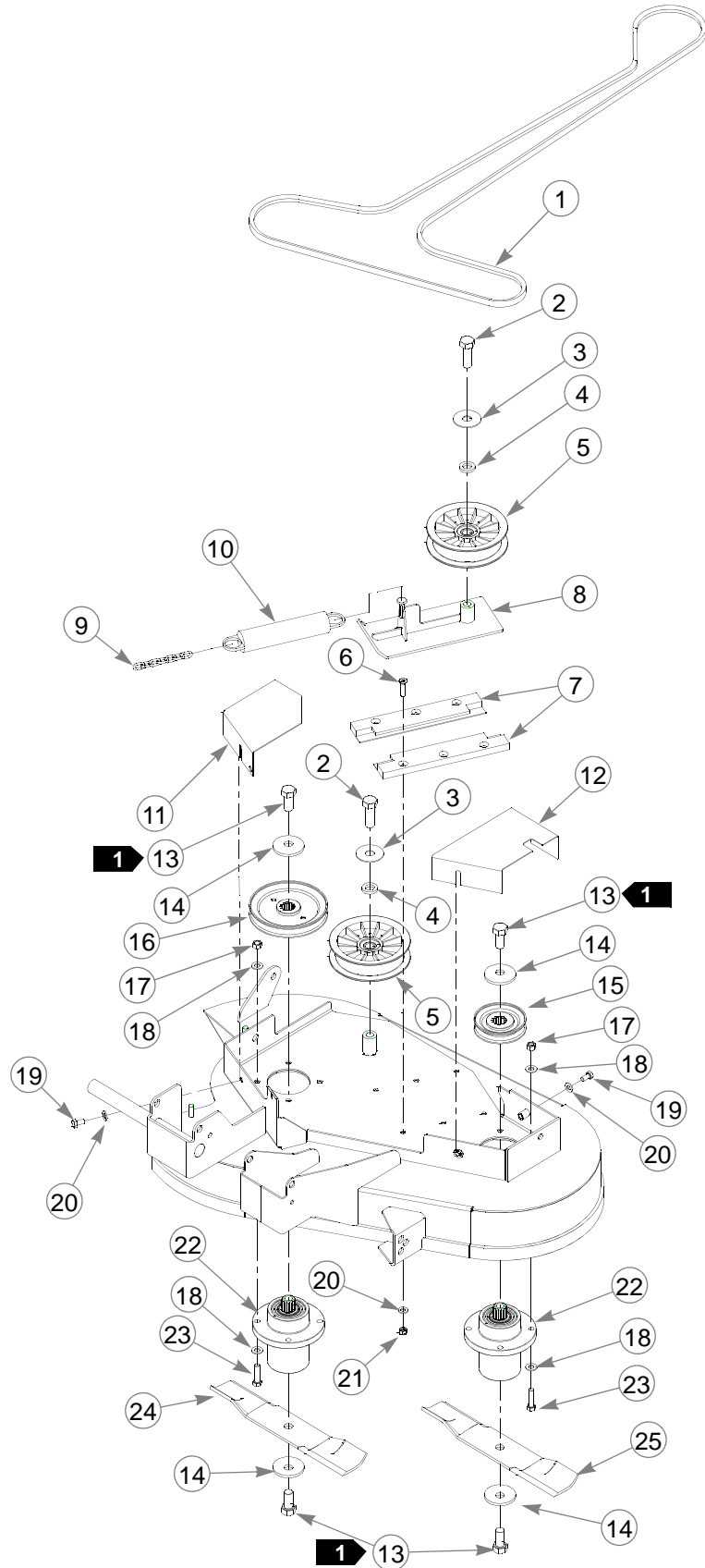
Deck Assembly 36"

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	330399	330399	1	DISCHARGE CHUTE
2	086660	086660	2	NT .375-16 HX LK NY
3	036244	036244	2	CS .375-16 X 1.00 HX G5 ZNYC
4	781880	781880	1	BUMPER, .500X 1.00X .312 X.188
5	054502	054502	2	NT .375-16 HX GRD 5 ZNYC
6	767954	767954	2	FW .406 X .812 X .060 SAE HD ZN
7	352500	352500	1	DISCHARGE CHUTE BASE
8	322974	322974	2	PULLBAR PIN
9	768523	768523	4	FW .343 X .687 X .051/.080 HD ZNYC
10	034280	034280	2	CS .312-18 X .75 HX G5 ZNYC
11	546937	315572	1	36" FASTRAK DECK
12	808485	808485	3	5/16-18 THREAD RIVET NUT
13	034272	034272	2	NT .312-18 HX G5 ZNYC
14	330225	330225	2	PULLBAR
15	781567	781567	1	NT .50-13 HX LK NY
16	053199	N/A	1	NT .500-13 HX JAM ZNYC
17	767962	N/A	2	FW .531 X 1.063 X .090 SAE HD ZN
18	031997	N/A	1	ANTI-SCALP WHEEL
19	781708	N/A	1	CS .500-13 X 4.25 HX G5 ZNYC
 1	788166	788166	1	ANTI SCALP WHEEL ASSY

NOTES:

1. Includes items 16 through 19.
2. Do not torque, Item 1 (330399 Discharge Chute) must pivot freely.

Deck Pulley Assembly 36"

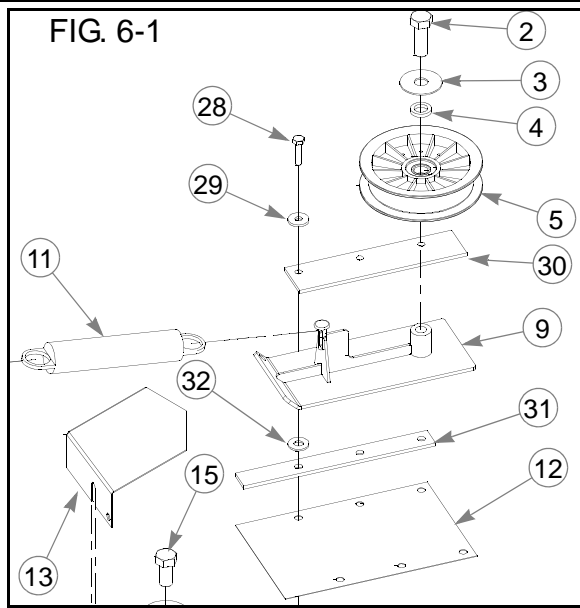


Deck Pulley Assembly 36"

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	793828	793828	1	A-SECTION BELT (FASTRAK 36")
2	025007	025007	2	CS .625-11 X 1.75 HX G5 ZNYC
3	046821	046821	2	FW .656 X 2.00 X .078 ZNYC
4	797449	797449	2	FW .650 X 1.00 X .180 ZNYC G5
5	784504	784504	2	IDLER PULLEY, 5.00"OD, 5/8"ID
6	784199	784199	6	CS .312-18 X 1.25 FLT SH
7	601434	601434	2	UHMW IDLER SLIDE
8	321877	321877	1	DECK IDLER
9	364315	059931	1	SPRING CHAIN
10	781302	781302	1	IDLER SPRING
11	321398	321398	1	RIGHT PULLEY COVER
12	330324	330324	1	LEFT PULLEY COVER
13	781872	781872	4	CS .625-11 X 1.25 HX G5 ZNYC
14	782474	782474	4	CW .631 2.250 X .187 PNT
15	793786	793786	1	DECK PULLEY (FASTRAK 36")
16	793778	793778	1	DECK PULLEY (FASTRAK 36"/42")
17	054502	054502	8	NT .375-16 HX GRD 5 ZNYC
18	767954	767954	16	FW .406 X .812 X .060 SAE HD ZN
19	064006	064006	4	CS .312-18 X .625 HX G5 ZNYC
20	768523	768523	10	FW .343 X .687 X .051/.080 HD ZNYC
21	058776	058776	6	NT .312-18 HX NL ZNYC
22	783506	783506	2	BLADE SPINDLE ASSEMBLY
23	005116	005116	8	CS .375-16 X 1.375 HX G5 ZNYC
24	793794	793794	1	20.50" 42D X 0.631 CW BLADE
25	793802	793802	1	13.75" 42D X 0.631 CW BLADE
3	28	079186	N/A	6 CS .312-18 X 1.25 HX G5
3	29	712927	N/A	6 FW .344 X 1.00 X .12 HRD ZN
3	30	785832	N/A	2 DECK IDLER UHMW CLAMP
3	31	787069	N/A	2 DECK IDLER UHMW RISER
3	32	017129	N/A	6 FW .440 X 1.000 X .083 ZNYC

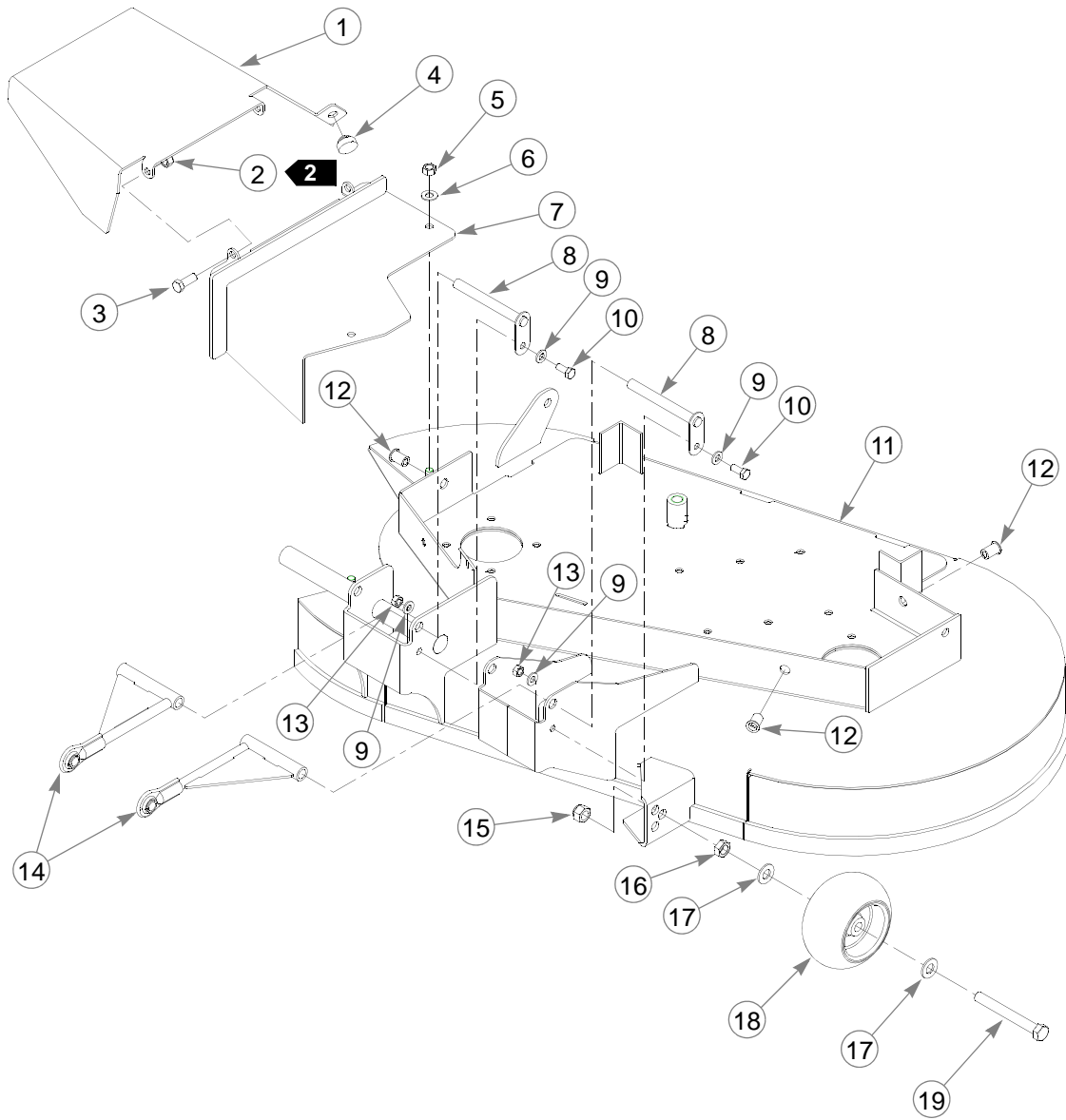
NOTES:

1. Torque to 118 ft. lbs.
2. See "Belt Routing and Tensioning" on page 7-3 for belt tensioning
3. Deck belt tensioning idler for mowers with serial numbers prior to 06010082 (see FIG 6-1).




This page intentionally left blank.

Deck Assembly 42"



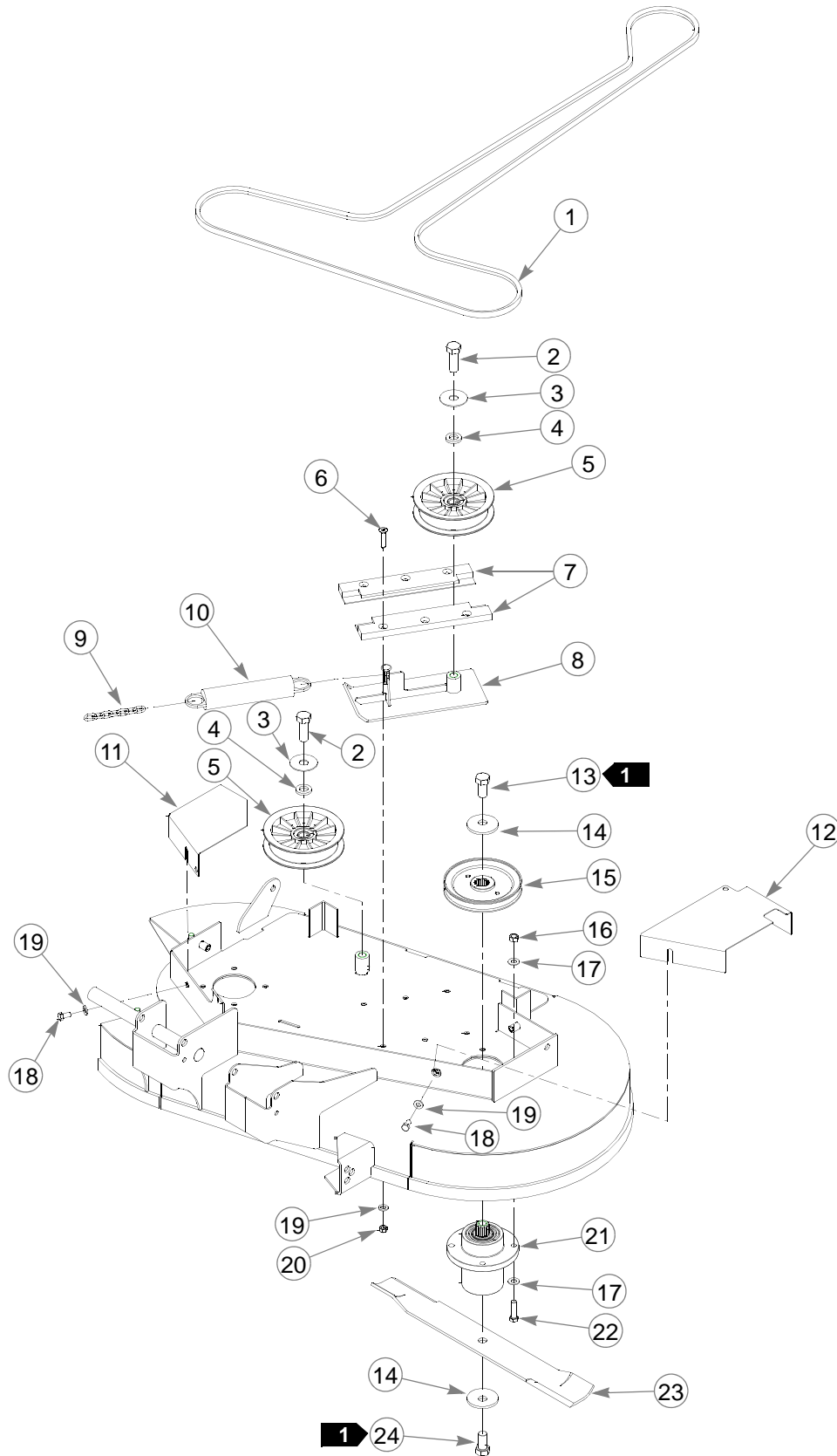
Deck Assembly 42"

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	330399	330399	1	DISCHARGE CHUTE
2	086660	086660	2	NT .375-16 HX LK NY
3	036244	036244	2	CS .375-16 X 1.00 HX G5 ZNYC
4	781880	781880	1	BUMPER, .500X 1.00X .312 X.188
5	054502	054502	2	NT .375-16 HX GRD 5 ZNYC
6	767954	767954	2	FW .406 X .812 X .060 SAE HD ZN
7	352500	352500	1	DISCHARGE CHUTE BASE
8	322974	322974	2	PULLBAR PIN
9	768523	768523	4	FW .343 X .687 X .051/.080 HD ZNYC
10	034280	034280	2	CS .312-18 X .75 HX G5 ZNYC
11	546929	316919	1	42" FASTRAK DECK
12	808485	808485	3	5/16-18 THREAD RIVET NUT
13	034272	034272	2	NT .312-18 HX G5 ZNYC
14	330225	330225	2	PULLBAR
15	781567	781567	1	NT .50-13 HX LK NY
16	053199	N/A	1	NT .500-13 HX JAM ZNYC
17	767962	N/A	2	FW .531 X 1.063 X .090 SAE HD ZN
18	031997	N/A	1	ANTI-SCALP WHEEL
19	781708	N/A	1	CS .500-13 X 4.25 HX G5 ZNYC
 1	788166	788166	1	ANTI SCALP WHEEL ASSY

NOTES:

1. Includes items 16 through 19.
2. Do not torque, Item 1 (330399 Discharge Chute) must pivot freely.

Deck Pulley Assembly 42"

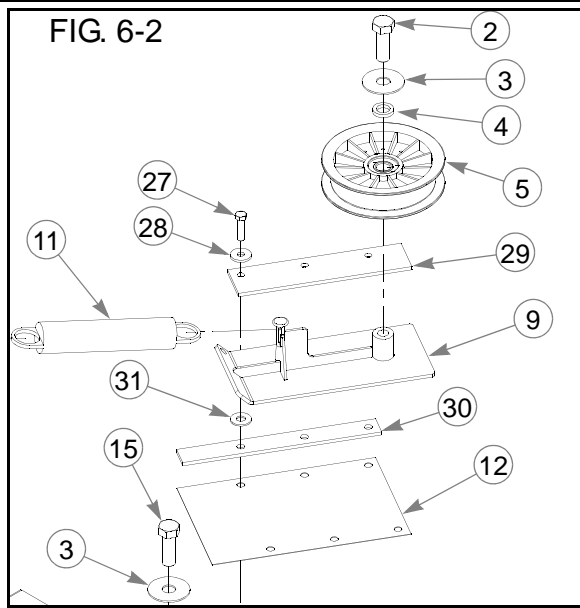


Deck Pulley Assembly 42"

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	793893	793893	1	A-SECTION BELT (FASTRAK 42")
2	025007	025007	2	CS .625-11 X 1.75 HX G5 ZNYC
3	046821	046821	2	FW .656 X 2.00 X .078 ZNYC
4	797449	797449	2	FW .650 X 1.00 X .180 ZNYC G5
5	784504	784504	2	IDLER PULLEY, 5.00"OD, 5/8"ID
6	784199	784199	6	CS .312-18 X 1.25 FLT SH ZY
7	601434	601434	2	UHMW IDLER SLIDE
8	321877	321877	1	DECK IDLER
9	259812	059931	1	SPRING CHAIN
10	781302	781302	1	IDLER SPRING
11	321398	321398	1	RIGHT PULLEY COVER
12	321042	321042	1	LEFT PULLEY COVER
13	781872	781872	2	CS .625-11 X 1.25 HX G5 ZNYC
14	782474	782474	4	CW .631 2.250 X .187 PNT
15	793778	793778	2	DECK PULLEY (FASTRAK 36"/42")
16	054502	054502	8	NT .375-16 HX GRD 5 ZNYC
17	767954	767954	16	FW .406 X .812 X .060 SAE HD ZN
18	064006	064006	4	CS .312-18 X .625 HX G5 ZNYC
19	768523	768523	10	FW .343 X .687 X .051/.080 HD ZNYC
20	058776	058776	6	NT .312-18 HX NL ZNYC
21	783506	783506	2	BLADE SPINDLE ASSEMBLY
22	005116	005116	8	CS .375-16 X 1.375 HX G5 ZNYC
23	793794	793794	2	20.50" 42D X 0.631 CW BLADE
24	781872	781872	2	CS .625-11 X 1.25 HX G5 ZNYC
27	712927	N/A	6	FW .344 X 1.00 X .12 HRD ZN
28	785832	N/A	2	DECK IDLER UHMW CLAMP
29	787069	N/A	2	DECK IDLER UHMW RISER
30	017129	N/A	6	FW .440 X 1.000 X .083 ZNYC
31				

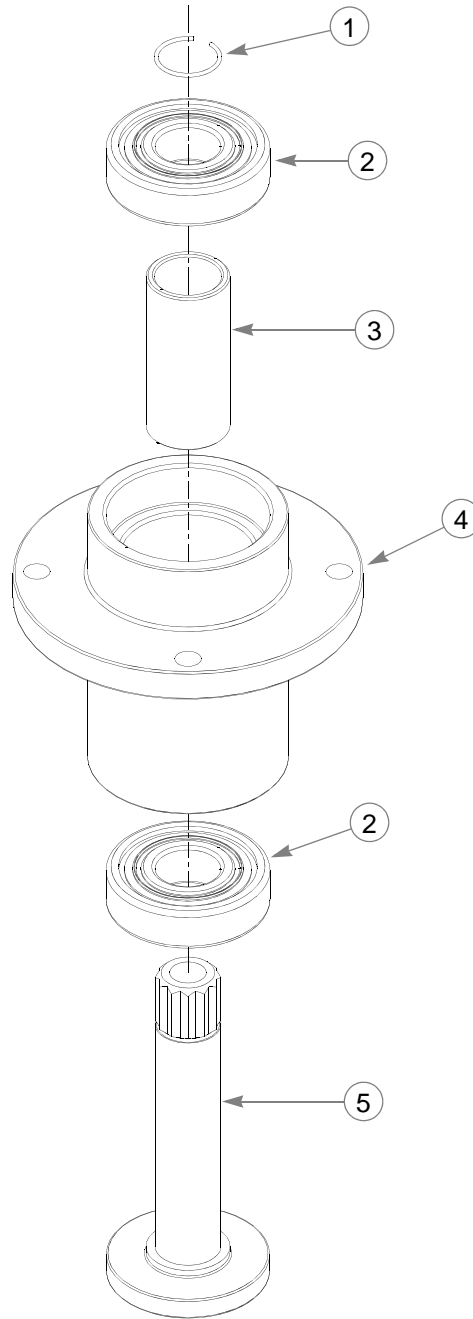
NOTES:

1. Torque to 118 ft. lbs.
2. See "Belt Routing and Tensioning" on page 7-3 for belt tensioning
3. Deck belt tensioning idler for mowers with serial numbers prior to 06010082 (see FIG 6-2).
4. Item 7 (601434) replaces idler slide components 600171, 600189 and 786335 found on mowers with serial numbers prior to 08010000.



This page intentionally left blank.

Blade Spindle Assembly Breakdown



c

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	783548	N/A	1	BLADE SPINDLE RETAINING RING
2	783555	N/A	2	BLADE SPINDLE BEARING
3	783530	N/A	1	BLADE SPINDLE SPACER
4	783514	N/A	1	BLADE SPINDLE HOUSING
5	783522	N/A	1	BLADE SPINDLE SHAFT

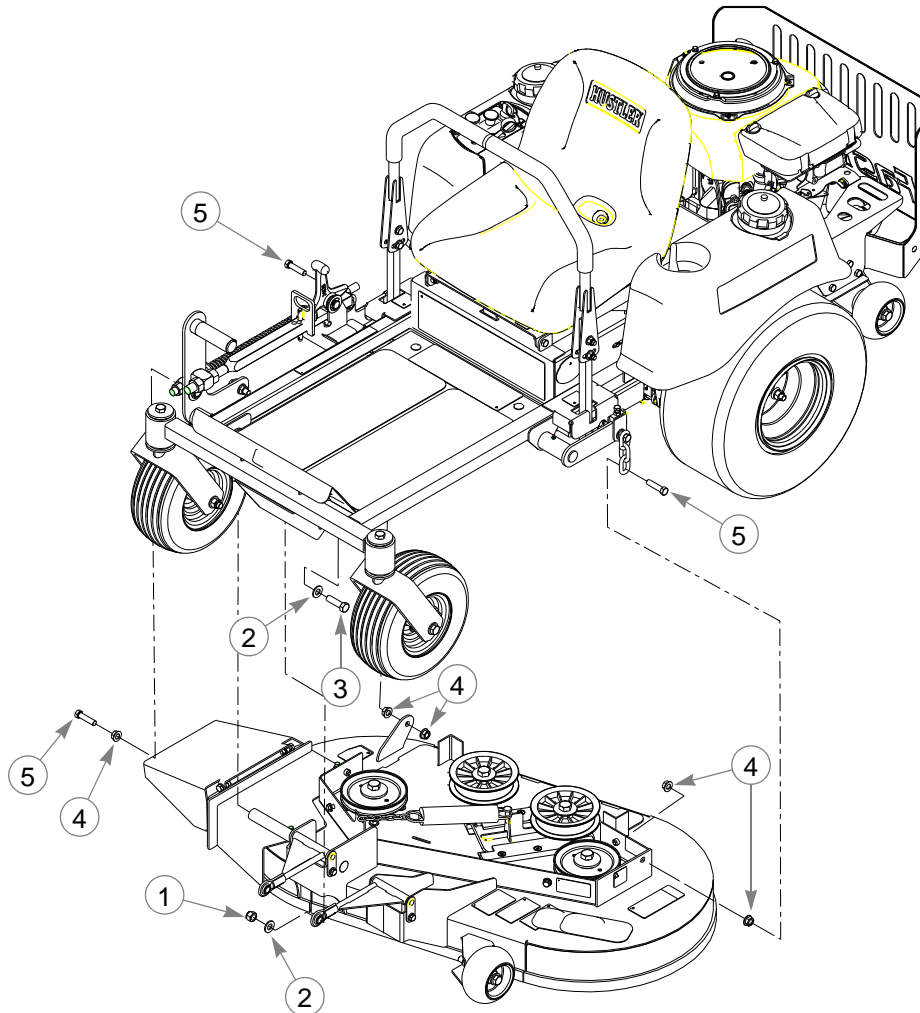
NOTES:

This page intentionally left blank.

Chapter 7 Contents

Deck Installation	7-2
Belt Routing and Tensioning	7-3
Seat Installation	7-4

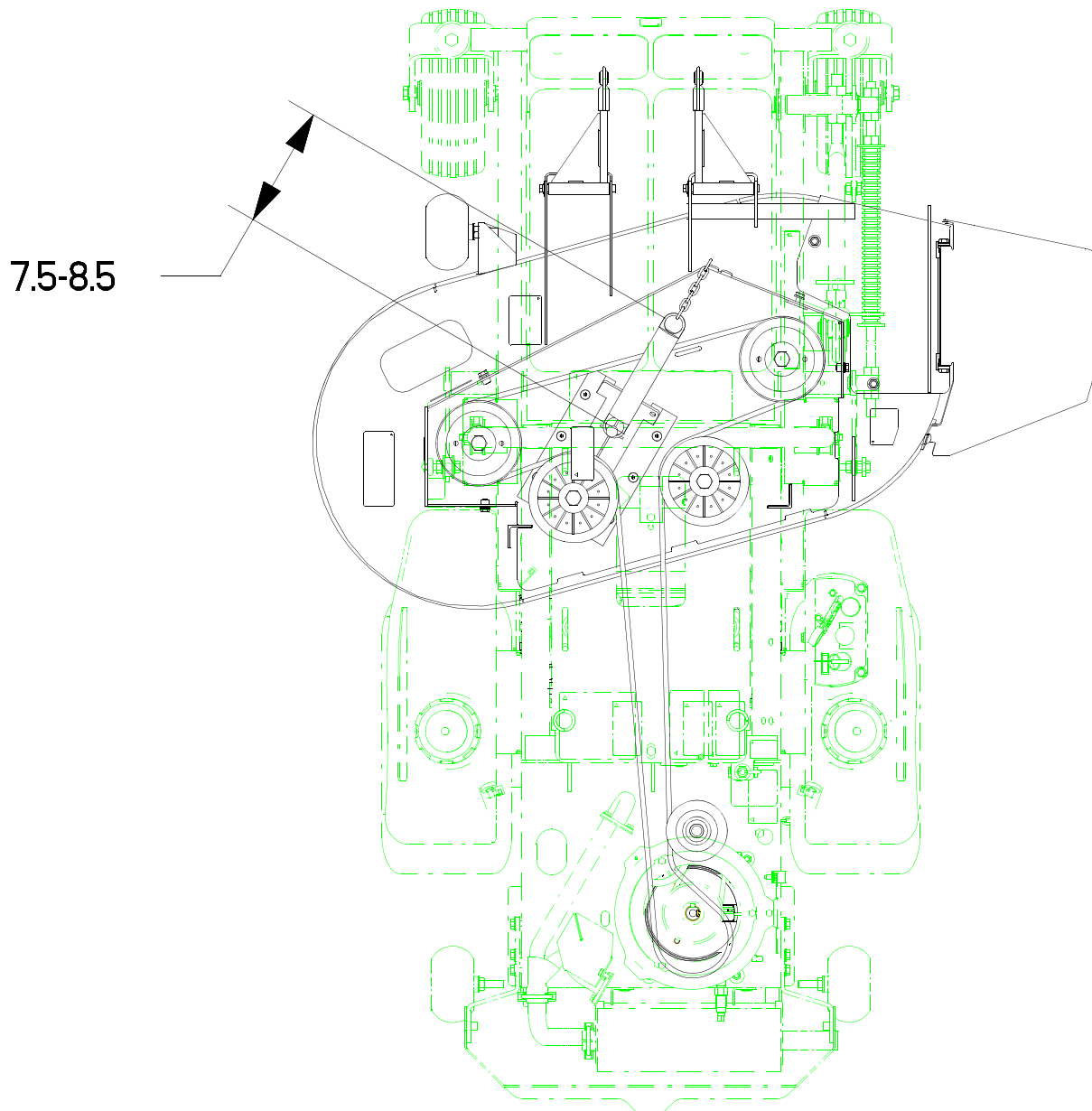
Deck Installation



INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	781567	781567	2	NT .500-13 HX GR 8 ZY NL
2	767962	767962	4	FW .531 X 1.063 X .090 SAE HD ZN
3	017616	017616	2	CS .500-13 X 1.75 HX G5 ZNYC
4	704643	704643	5	NT .437-14 HX FLG ZN
5	055749	055749	3	CS .437-14 X 1.75 HX G5 ZNYC

NOTES:

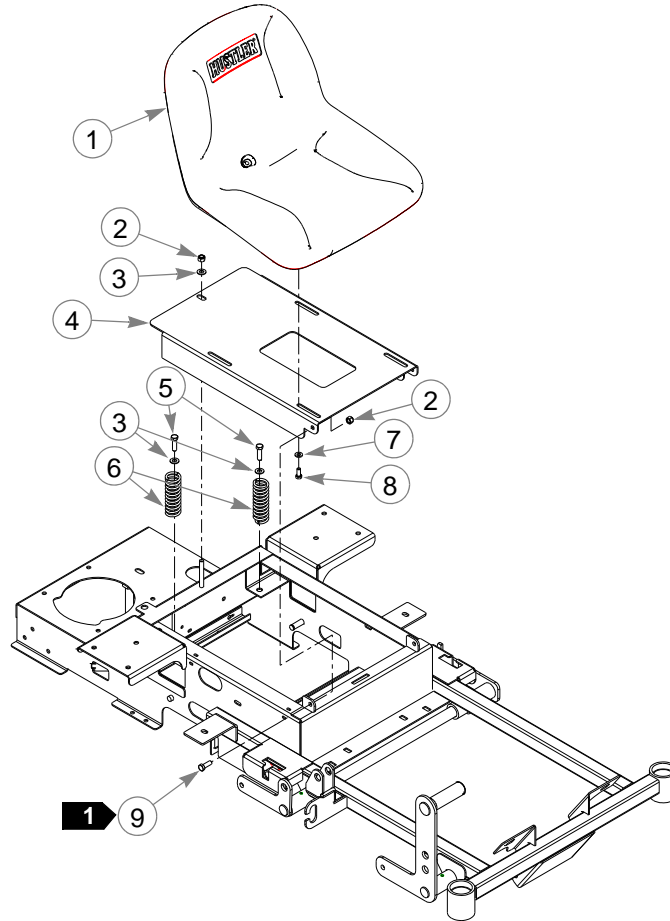
Belt Routing and Tensioning



NOTES:

1. Spring length after tensioning belt—measured from outside of hook to outside of hook.
2. Route belt as shown.

Seat Installation



INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	793679	793679	1	STANDARD MICHIGAN SEAT
2	086660	086660	3	NT .375-16 HX LK NY
3	767954	767954	3	FW .406 X .812 X .060 SAE HD ZN
4	320275	320275	1	SEAT PAN
5	052860	052860	2	CS .375-16 X 1.25 HX G5 ZNYC
6	793851	793851	2	COMPRESSION SPRING, 1.25X4.00X.188
7	768523	768523	4	FW .343 X .687 X .051/.080 HD ZNYC
8	034280	034280	4	CS .312-18 X .750 HX G5 ZNYC
9	036244	036244	2	CS .375-16 X 1.00 HX G5 ZNYC

NOTES:

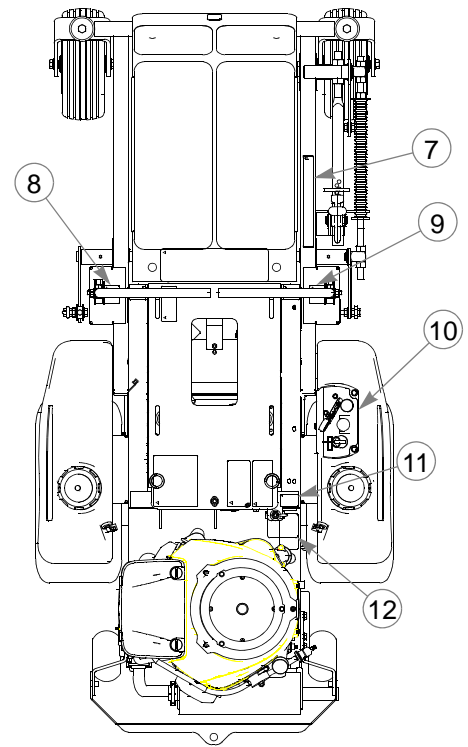
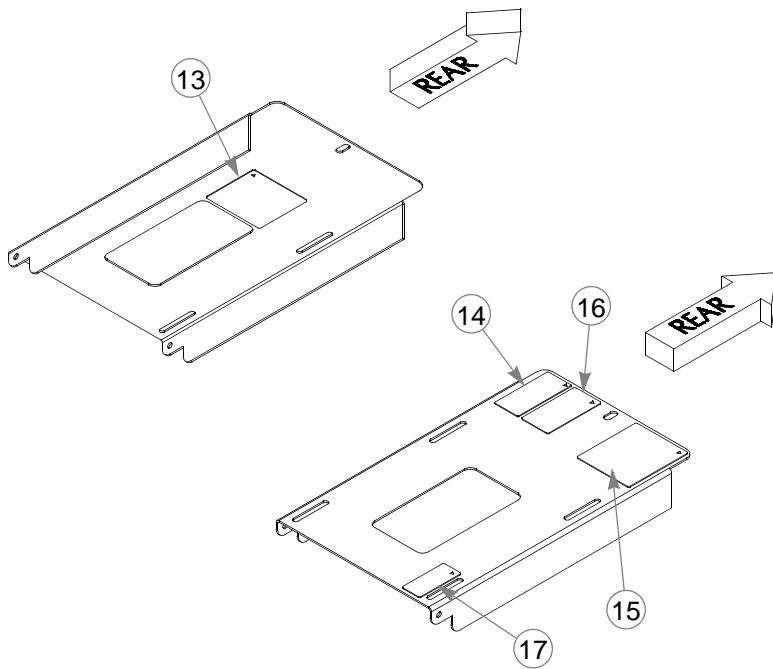
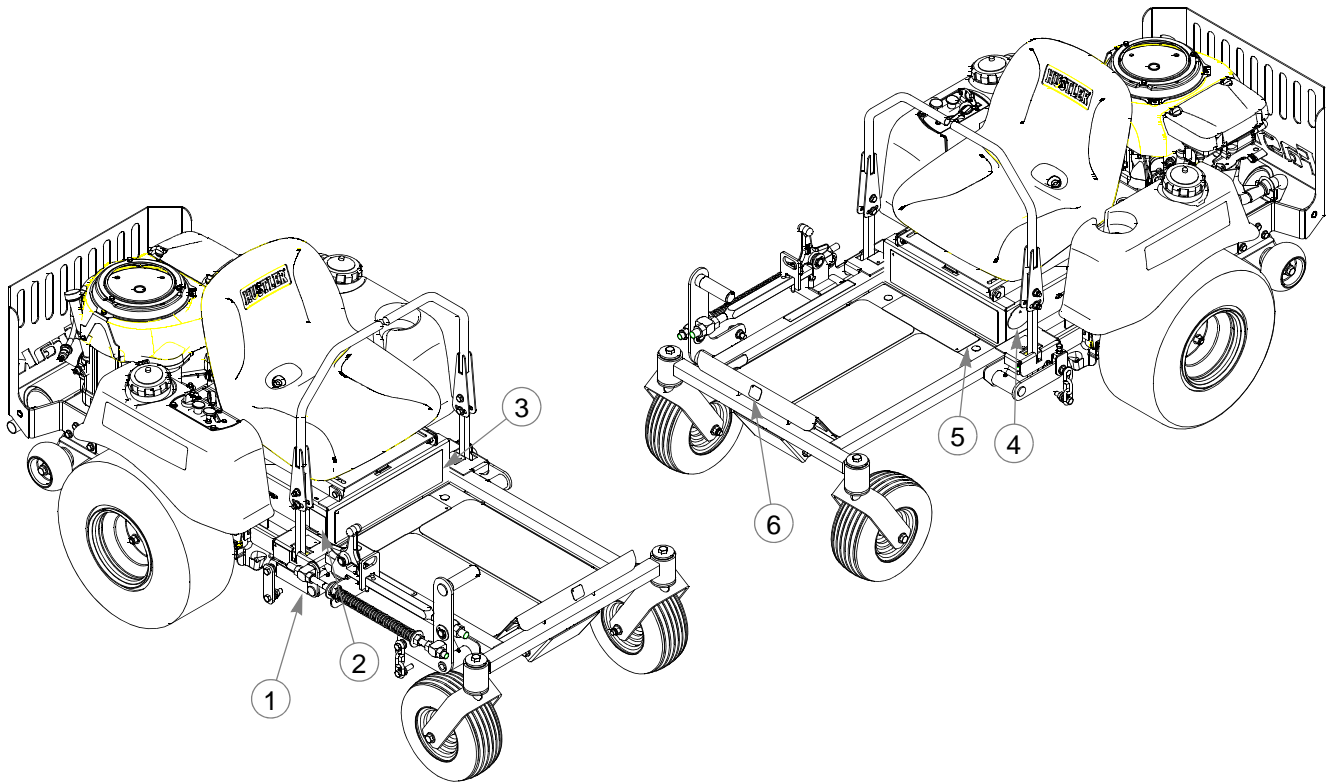
- Do not torque, Item 4 (320275 Seat Pan) must pivot on these fasteners.
- Available service parts and options for Michigan Seat:

797456 ARMREST KIT (ROUND STYLE)
 793315 SEAT SWITCH KIT

Chapter 8 Contents

Tractor Decals	8-2
42" Deck Decals	8-4
36" Deck Decals	8-5

Tractor Decals

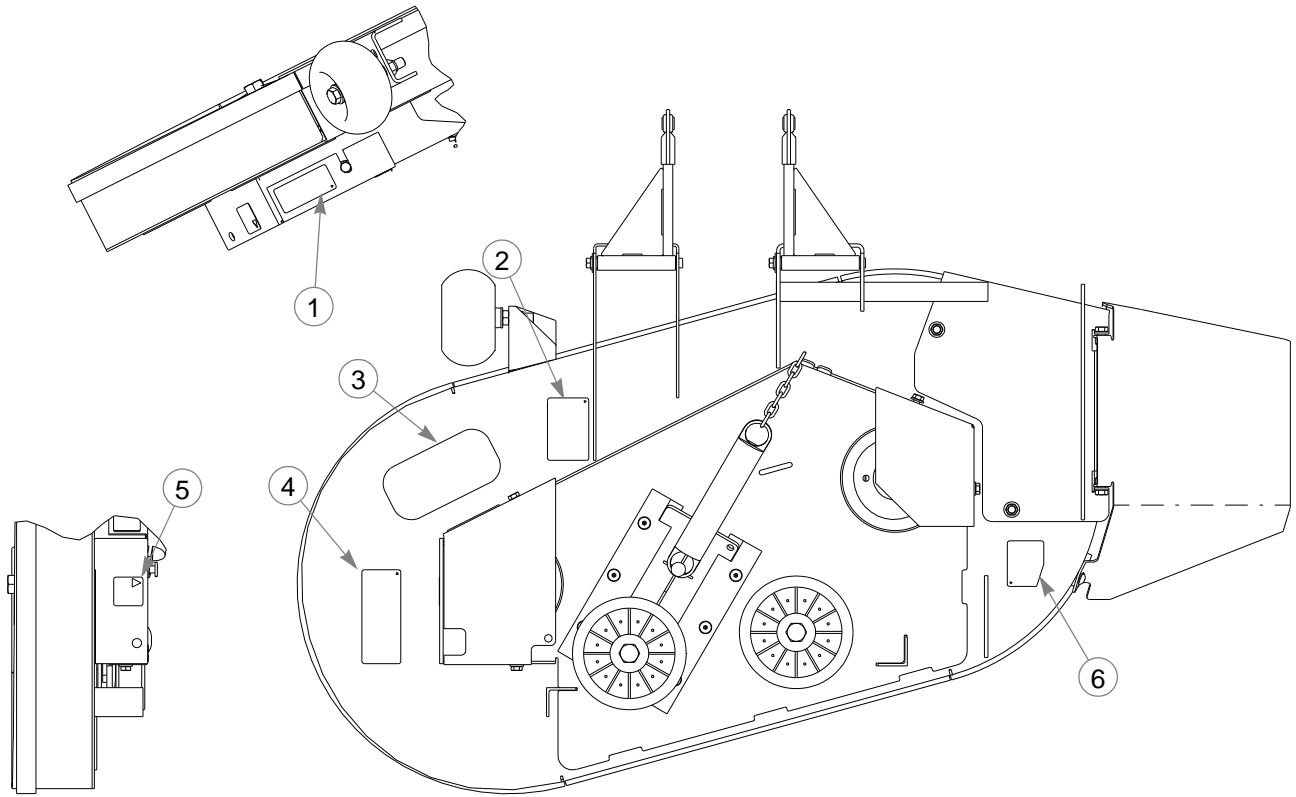


Tractor Decals

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	794545	794545	1	DEFLECTOR SHIELD DECAL
2	N/A	083279	1	TURF PROD SERIAL NO PLATE
3	784710	784710	1	FASTRAK DECAL
4	782573	782573	1	FIRST ZERO TURN DECAL
5	793547	793547	1	FASTRAK OPERATION DECAL
6	793588	793588	1	HUSTLER NAME PLATE
7	794305	794305	1	DECK HEIGHT DECAL
8	785139	785139	1	FASTRAK LEFT SIDE STEERING DECAL
9	785220	785220	1	FASTRAK RIGHT SIDE STEERING DECAL
10	793703	793703	1	INSTRUMENT PANEL DECAL
11	793554	793554	1	FASTRAK 36/42 FUEL VALVE DECAL
12	771436	771436	1	STABILIZER DECAL
13	727016	727016	1	BATTERY DECAL
14	788968	788968	1	ENGINE COMPARTMENT DECAL
15	785147	785147	1	SERVICE DECAL
16	600899	600899	1	PUMP BELT WARNING DECAL
17	600941	600941	1	PATENT DECAL

NOTES:

42" Deck Decals

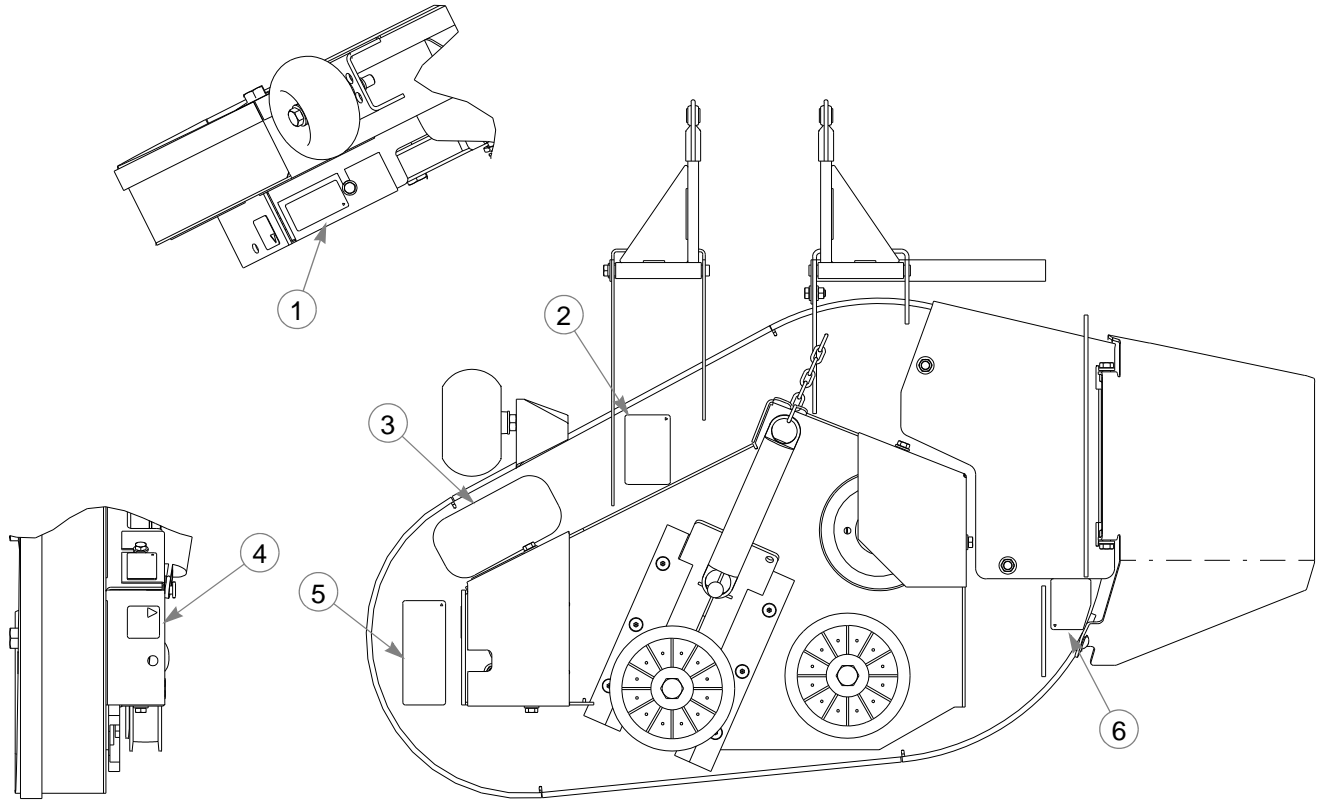


X

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	793521	793521	1	42" DECK ID DECAL
2	793687	793687	1	BELT ROUTING DECAL
3	794503	794503	1	STEP TREAD
4	793570	793570	1	DECK WARNING DECAL
5	727172	727172	1	"MADE IN U.S.A." DECAL
6	794297	794297	1	DISCHARGE CHUTE DECAL

NOTES:

36" Deck Decals



X

INDEX NO.	SERVICE PART NO.	MFG. PART NO.	QTY.	DESCRIPTION
1	793513	793513	1	36" DECK ID DECAL
2	793687	793687	1	BELT ROUTING DECAL
3	794503	794503	1	STEP TREAD
4	727172	727172	1	"MADE IN U.S.A." DECAL
5	793570	793570	1	DECK WARNING DECAL
6	794297	794297	1	DISCHARGE CHUTE DECAL

NOTES:

Chapter 9 Contents

Maintenance & Adjustment Safety.....	9-2
Maintenance	9-7
Adjustments.....	9-20

Maintenance & Adjustment Safety



This safety alert symbol is used to call attention to a message intended to provide a reasonable degree of **PERSONAL SAFETY** for operators and other persons during the normal operation and servicing of this equipment.

DANGER – denotes immediate hazards which **WILL** result in severe personal injury or death.

WARNING - denotes a hazard or unsafe practice which **COULD** result in severe personal injury or death.

This manual uses two other words to highlight information. **IMPORTANT** calls attention to special mechanical information and **NOTE**: emphasizes general information worthy of special attention.

All operators and mechanics should read this manual, and be instructed about safe operating and maintenance procedures. If the operators or mechanics cannot read and understand English, it is the owner's responsibility to explain this material to them.

Improper use or maintenance by the operator, mechanic, or owner can result in injury. To reduce the potential for injury, comply with these safety instructions and always pay attention to the safety alert symbol, which means **DANGER** or **WARNING** - "personal safety instructions." Failure to comply with the instructions may result in personal injury or death.

Incorrect usage of this machine may result in severe injury. Personnel operating and maintaining it should be trained in the proper use and should read the manuals completely and thoroughly before attempting to set-up, operate, adjust, or service this machine.

The Quick Reference Decals are designed to give the operator brief information needed in the daily operation and service of the machine. These decals are not intended to be used in place of this manual but instead is to be used as an extension of this manual. These decals should not be removed or obliterated. Replace these decals if they become unreadable.

It is the owner's responsibility to make certain that the operators and mechanics read and understand this manual and all decals before operating this machine. It is also the owner's responsibility to make certain that the operators and mechanics are qualified and physically able individuals, properly trained in the operation of this equipment. All operators and mechanics must become familiar with the safe operation of the equipment, operator controls and safety signs before operating the equipment.

Never let children or untrained people operate or service the equipment. Local regulation may restrict the age of the operator.

The owner should also ensure that the operators and mechanics know that they are responsible for their own safety as well as the safety of other persons within the vicinity. Remember, the operator is responsible for accidents or hazards occurring to other people or their property.

Safe Maintenance & Adjustment Practices

This product is capable of amputating hands and feet and throwing objects. Always follow all safety instructions to avoid serious injury or death.

Unless specifically required, **DO NOT** have engine running when servicing or making adjustments to tractor. Park the machine on level ground. Place control levers in the park brake position, disengage deck clutch, lower deck, remove ignition switch key and disconnect the negative battery cable before doing any maintenance. Wait for all movement to stop before adjusting, cleaning or repairing. Repairs or maintenance requiring engine power should be performed by trained personnel only. To prevent carbon monoxide poisoning, be sure proper ventilation is available when engine must be operated in an enclosed area. Read and observe safety warnings in front of manual.

Follow daily and weekly checklists, making sure hoses are tightly secured and bolts are tightened.

Keep your machine clean and remove any deposits of trash and clippings, which can cause engine fires and hydraulic overheating as well as excessive belt wear. Clean up oil or spillage. Allow machine to cool before storing.

Clean flammable material from machine. Prevent fires by keeping the top of the deck, engine compartment, exhaust area, battery, hydraulic lines, fuel line, fuel tank and operator's station clean of accumulated trash, grass clippings, and other debris. Always clean up spilled fuel and oil.

Always wear adequate ear protection, such as earplugs, when operating this equipment as prolonged exposure to uncomfortable or loud noises can cause impairment or loss of hearing. Do not wear radios or music headphones while operating the machinery. Safe operation requires your full attention.

Never put hands or feet under any part of the machine while it is running.

Except when changing or checking belt, **always** keep belt covers on mower for safety as well as cleanliness.

Stop the engine before removing the grass catcher or unclogging the discharge chute. Never clear the discharge chute with the engine running. Turn off the engine and be sure the blades have stopped before cleaning. Use a stick to clear a plugged discharge area. **Never use your hand!**

Exercise caution when loading or unloading the machine onto a trailer or truck.

Always wear safety goggles or safety glasses with side shields when operating the mower.

Always wear adequate eye protection when servicing the battery, hydraulic system or when grinding mower blades and removing accumulated debris.

Use extra caution when handling gasoline and other fuels. They are flammable and vapors are explosive.

Never remove fuel cap or refuel tractor while engine is running; never refuel near an open flame or near devices which can create a spark. Refuel outdoors. Never refuel or drain the fuel from the machine indoors.

Never attempt to start engine when there is a strong odor of gasoline fumes present. Locate and correct cause.

Never run the engine in an enclosed area unless exhaust is vented to the outside. Exhaust gases contain carbon monoxide which is odorless and deadly poison.

Never attempt to make any adjustments or repairs to the tractor drive system, mower deck or any attachment while the tractor engine is running or deck clutch is engaged. Repairs or maintenance requiring engine power should be performed by trained personnel only.

Never work under the machine or attachment unless it is safely supported with jack stands. Make certain machine is secure when it is raised and placed on the jack stands. The jack stands should not allow the machine to move when the engine is running and the drive wheels are rotating. **Use only certified jack stands.** Use only appropriate jack stands, with a minimum weight rating of 2000 pounds to block the unit up. Use in pairs only. Follow the instructions supplied with the vehicle stands.

Before working on or under the deck, make certain engine cannot be accidentally started. Shut engine off and remove ignition switch key for maximum safety. Repairs or maintenance requiring engine power should be performed by trained personnel only.

Use a stick or similar instrument to clean under the mower making sure that no part of the body, especially arms and hands are under mower.

Exercise caution when working under the deck as the mower blades are extremely sharp. Wrap the blade(s) or wear gloves and use extra caution when servicing them.

Do not touch hot parts of machine.

Keep nuts and bolts tight, especially the blade attachment bolts. Keep equipment in good working condition.

Never tamper with safety devices. Check their proper operation regularly.

Grass collection system components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.

Use only genuine Hustler replacement parts to ensure that original standards are maintained.

Using a ramp

Use extreme caution when loading and unloading a unit onto a truck or trailer with a ramp.

Use only a single, full width ramp; do not use individual ramps for each side of the unit. Having a full width ramp provides a surface for the tractor frame to contact if the unit starts to tip backwards. It also reduces the risk of a wheel going off and the machine tipping over.

Do not exceed a 15 degree angle between the ramp and the ground or between the ramp and the trailer or truck.

When on a ramp avoid sudden acceleration.

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

Never leave machine unattended with ignition key in switch, especially with children present.

Children or bystanders may be injured if they move or attempt to operate the tractor while it is unattended. Always disengage deck clutch, place steering control levers in park brake position, stop tractor engine, and remove ignition key when leaving operator's seat.

Keep children out of the mowing area and under the watchful care of a responsible adult other the operator.

Be alert and turn the machine off if children enter the area.

Before and while backing, look behind and down for small children.

Never carry children, even with the blades off. They may fall off and be seriously injured or interfere with safe machine operating. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over the machine.

Never allow children to operate the machine.

Use care when approaching blind corners, shrubs, trees, the end of a fence or other objects that may obscure vision.

Never allow children of others in or on towed equipment.

Safety and Instruction Decals

Specific safety warning decals are located on the equipment near the immediate areas of potential hazards. These decals should not be removed or obliterated. Replace them if they become non-readable.

The following illustrations show the various safety decals that are located on the machine. A brief explanation is shown to help the operator understand the meanings of these decals.



Read Owner's Manual and Quick Reference Decal before attempting to operate this machine.



Part Number
727016

Avoid skin contact with battery acid. Always wear eye protection when checking the battery, acid can cause serious injury to skin and eyes. If contact occurs, flush area with clean water and call physician immediately. Acid will also damage clothing.

Do not allow open flame near the battery when charging.

Hydrogen gas forms inside the battery. This gas is both toxic and flammable and may cause an explosion if exposed to flame. Always remove the negative ground first and replace it last.

Do not overfill battery. Electrolyte may overflow and damage paint, wiring or structure. When cleaning the battery, use soap and water. Be careful not to get soap and water into the battery. Use soda mixed in water to clean corrosion off the terminals.



Part Number
793547

Do not remove or modify stabilizer wheels or rear engine guard or injury can result. When operating on a slope of 15° or more, be aware of any condition that may cause the tractor drive tires to lose traction resulting in a possible loss of control of the machine.



Part Number
600899

If you lose steering control while operating the machine, place the steering control levers in the park brake position immediately. Inspect the machine and involve your Hustler dealer to resolve the problem before continuing to operate.

If pump belt fails, steering control will be lost. Refer to owner's manual for inspection and replacement intervals and refer to above paragraph for emergency procedures.



Do not smoke while refueling.

Do not fill tank with engine running, or while the engine is hot.

Allow engine to cool before storing machine inside a building.

Store away from open flame or spark if there is fuel in tank.

Clean up any gasoline spills.



Part Number
793570

Do not refuel while in enclosed trailer or other enclosed areas.

Never operate the mower deck with side deflector damaged, altered, removed or in raised position, except when the entire grass catcher attachment or mulching system is being used. Stay clear of mower blades as long as engine is running. Keep a safe distance from machine. **Keep shields or covers in place while machine is in operation. Keep hands away from rotation pulleys and belts.**



Part Number
794297

Whirling blades! Keep hands and feet away. Beware of thrown objects. Never operate the mower deck with side deflector damaged, altered, removed or in raised position, except when the entire grass catcher attachment or mulching system is being used. **Stay clear of mower blades as long as engine is running. Beware of thrown object.**

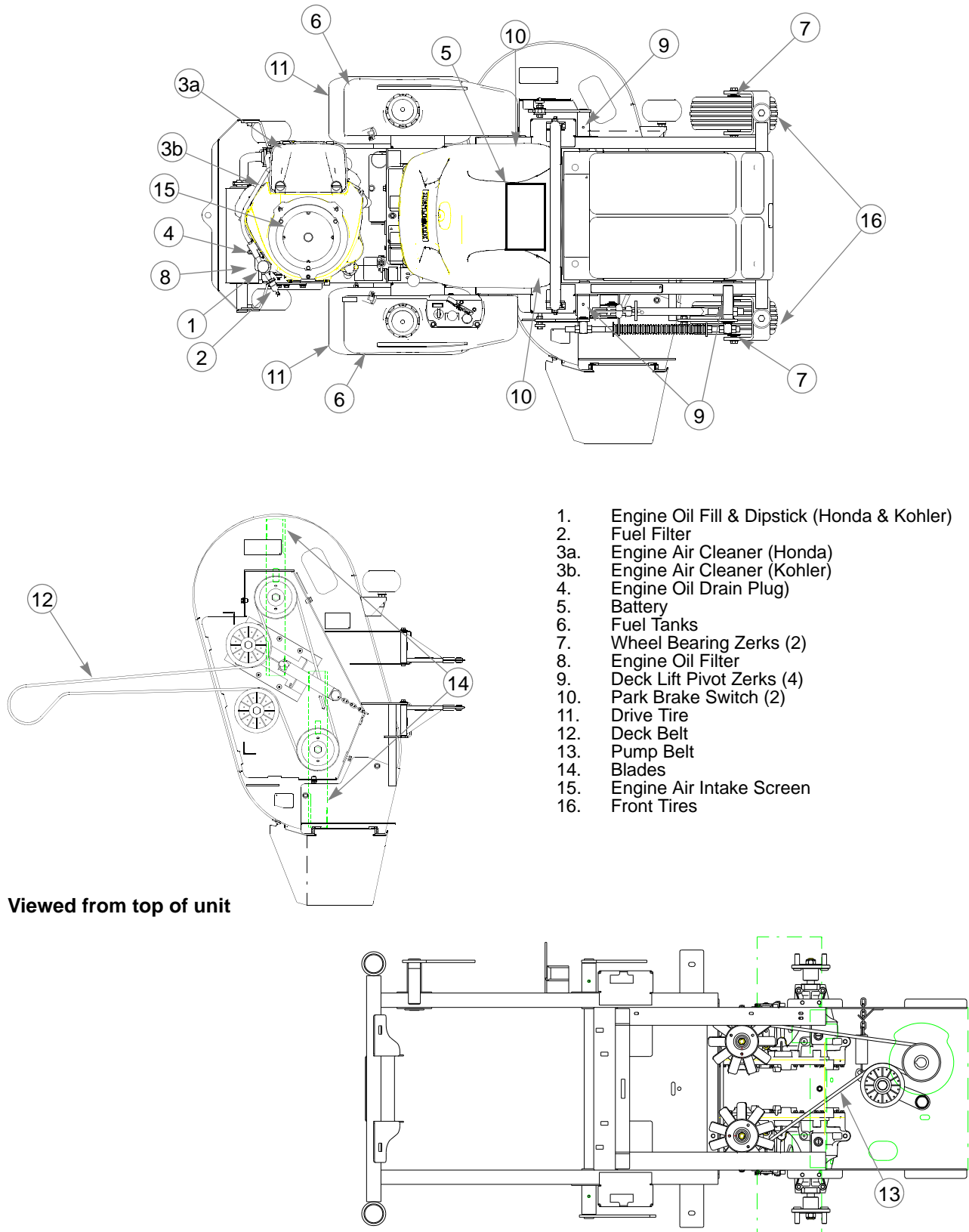


Part Number
727453

Keep shields or covers in place while machine is in operation. Keep hands away from rotating pulleys and belts.

Maintenance

MAINTENANCE LOCATOR CHART



Viewed from top of unit

FIG. 1

SERVICE AT INTERVALS INDICATED	WEEKLY OR 50 HOURS		ANNUALLY OF 100 HOURS
	Verify safety start interlock system		
Visually inspect unit for loose hardware and/or damaged parts			Prior to each use
Visually inspect tires			Prior to each use
Check oil level, engine (1)			Prior to each use or ever 4 hrs.
Clean air intake screen (4)			Prior to each use or ever 4 hrs.
Clean Foam element (4)			Prior to each use or ever 4 hrs.
Check fuel level			Prior to each use
Blades—sharpen & securely fastened			Prior to each use
Discharge chute—securely in place & in lowest position			Prior to each use
Grease deck height pivots	X		
Grease front wheel bearings	X		
Change engine oil & filter (1) (3)	X		
Clean cylinder and head fins (a)	X		
Check battery connections	X		
Check tire pressure with a gauge	X		
Clean engine exterior (a)	X		
Replace air cleaner paper element (4)	X		
Clean and re-gap spark plugs (a)			X
Check pump and deck belt tension & condition (5)			X
Check fuel lines (6)			X
Tighten lug nuts on wheels (2)			X
Change fuel filter			X
Replace spark plugs			X
Check engine valve clearance (a)			Every 200 hours or 2 years
Service starter (8)(a)			Every 200 hours or 2 years
Replace EZT pump belt			Every 200 hours or 2 years

NOTES:

1. Initial oil change is after 5 hours of operation. Thereafter, change oil after ever 40 hours. operating. Change more often under dusty or dirty conditions and during hot weather periods.
2. Torque initially and after first 2 hours of operation.
3. Change engine oil filter per the engine manufacturer's recommendations. Refer to Engine Owner's Manual for recommendations and other maintenance items.
4. Service more often under dusty or dirty conditions.
5. **Pump drive belt only—Inspect every 6 months or 100 hours** and replace of worn or cracking is noticed. Otherwise, **replace ever 200 hours or 2 years**, whichever comes first.
6. Check fuel line hoses, fuel valve and grommet for any cracks or leaks
7. Honda engine only.
8. Kohler engine only.

References:

a Refer to Engine Owner's Manual

NOTE: After completing Maintenance cycle (100 hours), repeat cycle.

Introduction

Regular maintenance is the best prevention for costly downtime or expensive, premature repair. The fol-

Following pages contain suggested maintenance information and schedules which the operator should follow on a routine basis.

Remain alert for unusual noises, they could be signaling a problem. Visually inspect the machine for any abnormal wear or damage. A good time to detect potential problems is while performing scheduled maintenance service. Correcting the problem as quickly as possible is the best insurance.

Clear away heavy build-up of grease, oil and dirt, especially in the engine and under the seat platform areas; minute dust particles are abrasive to close-tolerance engine and hydraulic assemblies.

Daily inspect mower for grass clippings and wire and string tangles. The underside of the mower deck will collect a build-up of grass clippings and dirt, especially when grass is wet or has high moisture content. This build-up will harden, restricting blade and air movement and will probably show a poorer quality of cutting. Therefore, it should be removed routinely.

To do this, it will be necessary to raise and block the deck, using jack stands or blocks, in the full up position and scrape the build-up from underneath.

Some repairs require the assistance of a trained service mechanic and should not be attempted by unskilled personnel. Consult your Hustler service center when assistance is needed.

Torque values



WARNING: Particular attention must be given to tightening the drive wheel lug nuts and blade spindle bolts. Failure to correctly torque these items may result in the loss of a wheel or blade, which can cause serious damage or personal injury.

Torque values given below:

	Ft.-lbs.	Nm
Wheel (lug) nuts	65-75	88.14-101.7
Blade spindle top bolt	118	160
Blade spindle bottom bolt	118	160

It is recommended that these be checked after the first 2 hours of operation, initially and every 50 hours following removal for repair or replacement.

For all other torques refer to the torque call out chart located elsewhere in this manual.

For engine torque values, see engine owner's manual.

Tires

It is important for level mowing that the tires have the same amount of air pressure. The recommended pressures are:

	PSI
Drive Tires	8-12
Front Wheels	8-12

Solid fill tires are not recommended for Hustler turf equipment. On any machine, with solid filled tires, the warranty claim will be denied.



WARNING: Explosive separation of a tire and rim can cause serious injury or death. Do not attempt to mount a tire without the proper equipment and experience to perform the task. Always maintain the correct tire pressure and never over inflate. Never weld or heat a wheel and tire assembly as an explosion may occur. Welding can weaken or deform a wheel. When inflating tires stand to one side and not in front of or over the tire assembly. Check tires for low pressure, blemishes, damaged rims, or missing lug bolts and nuts.

Lubrication

1. Grease the front wheel bearings per the Maintenance Schedule. Use SAE multi-purpose grease.
2. Grease the four deck lift pivots, located to the side of the operator's footrest per the Maintenance Schedule. Use SAE multi-purpose grease.

Electrical system

The electrical system is a 12 volt, negative ground. Recommended battery size is a garden tractor BCI group UIR with 225 or better cranking AMP rating. A maintenance-free battery is recommended. Otherwise, follow battery manufacturer's maintenance, safety, storing, and charging specification.

The Battery is located under the seat platform (FIG. 2).



WARNING: Battery post, terminals, and related accessories contain lead and lead compounds—chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.



WARNING: Change batteries in an open well ventilated area, away from spark and flames. Unplug charger before connecting or disconnecting from the battery. Wear protective clothing and use insulated tools.



WARNING: Avoid skin and clothing contact with battery acid. Always wear eye protection when checking the battery, acid can cause serious injury to skin and eyes. If contact occurs, flush area with clean water and call physician immediately. Acid will also damage clothing. Do not drink the battery electrolyte. Do not allow open flame near the battery when charging. Hydrogen gas forms inside the battery. This gas is both toxic and flammable and may cause an explosion if exposed to flame. Always remove the negative ground first and replace it last. Do not overfill battery. Electrolyte may overflow and damage paint, wiring or structure. When cleaning the battery, use soap and water. be careful not to get soap and water into the battery. Clean the battery terminals with a solution of four parts water and one part baking soda when they become corroded.

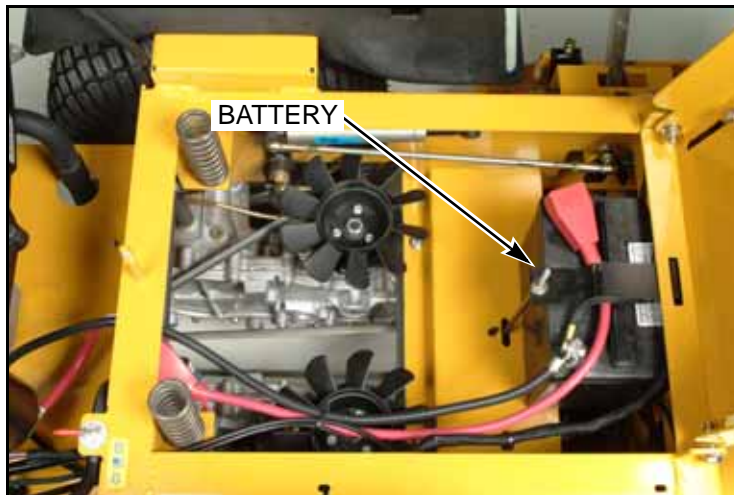


FIG. 2



WARNING: Shorts caused by battery terminals or metal tools touching metal tractor components can cause sparks. Sparks can cause a battery gas explosion which will result in personal injury. Prevent the battery terminals from touching any metal tractor parts when removing or installing the battery. Do not allow metal tools to short between the battery terminals and metal tractor parts.



WARNING: Incorrect battery cable routing could cause damage to the tractor and battery cables. This can cause sparks which can cause a battery gas explosion which will result in personal injury. Always disconnect the negative (black) battery cable before disconnecting the positive (red) cable.

Common circuit failures are usually caused by shorting, corroded or dirty terminals, loose connection, defective wire insulation or broken wires. Switches, solenoids and ignition components may also fail, causing a shorted or open circuit.

The electrical system is protected by fuses located on the right fuel tank instrument panel FIG. 3). The fuses are as follows:

Main	20 amp, blade type
Clutch/Aux	10 amp, blade type

Before attempting any failure diagnosis of the electrical system, use a test light or voltmeter to check the

battery voltage. If the battery voltage is satisfactory, check the cleanliness and tightness of the terminals and ground connections. A general understanding of electrical servicing and use of basic test equipment is necessary for troubleshooting and repair.

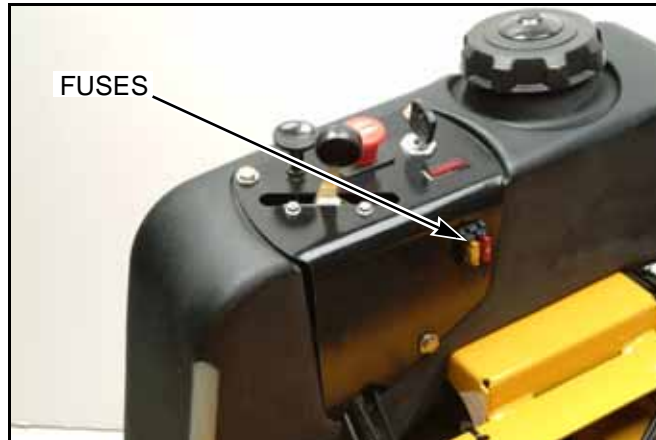


FIG. 3

Major overhaul or repair of the starting motor or charging system should be performed by trained technicians only.

Access to integrated pump/motor units

The integrated pump/motor units are accessed by lifting the seat platform. The seat platform is hinged at the front. The seat platform is hinged at the front. To raise it, remove the lock nut and flat washer and tilt seat platform up and forward (FIG. 4).



FIG. 4

If the seat is equipped with the optional arm rest kit, make certain to place the control arms in the park brake position and pivot the arm rests upward before placing the seat platform in the full forward position to prevent damage to the arm rests.

Hydraulic system

The Hustler FasTrak is equipped with two Hydro-Gear EZT integrated pump/motor transmissions (FIG. 5).

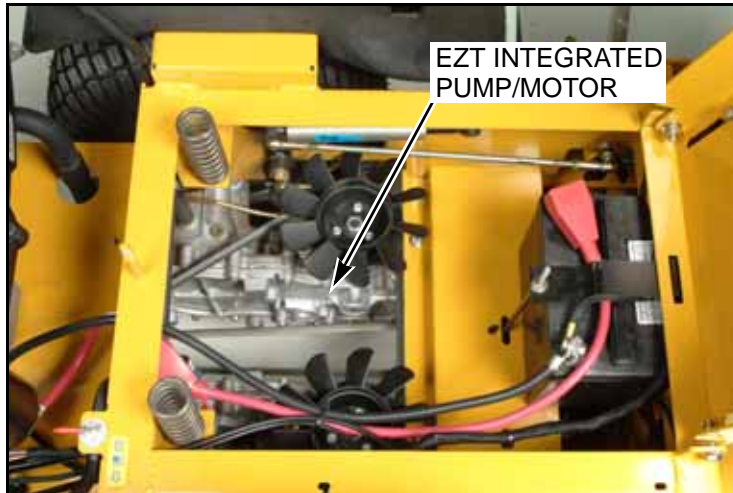


FIG. 5

The EZT integrated pump/motor transmission are sealed for life and do not require any scheduled service.

The EZT integrated pump/motor transmissions are filled with 20W50 engine oil. If they ever become low on oil, fill to the level shown in FIG. 6.

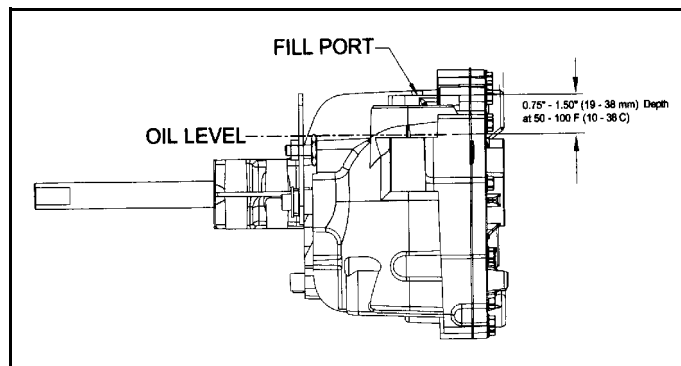


FIG. 6

Fuel system



DANGER: Observe usual fuel handling precautions:

Do not smoke while refueling. Extinguish all cigarettes, cigars, pipes and other sources of ignition.

Do not remove fuel cap or fill tank with engine running or while engine is hot. Clean up any gasoline spills.

Allow engine to cool before storing machine inside a building.

Keep fuel away from open flame or spark and store machine away from open flame or spark or pilot light such as on a water heater or other appliances.

Use extreme care when handling gasoline and other fuels. They are extremely flammable and vapors are explosive. A fire or from gasoline can burn you and others and can damage property.

Never refuel or drain the fuel from the machine indoors.

Never attempt to start engine when there is a strong odor of gasoline fumes present. Locate and correct cause.

Store gasoline in an approved container and keep it out of the reach of children. Never buy more than a 30 day supply of gasoline.

Always place gasoline containers on the ground away from your vehicle before filling.

Do not fill gasoline containers inside a vehicle or on a truck or trailer bed with interior carpets or plastic bed liners.

Always place gasoline containers on the ground away from your vehicle before filling.

When practical, remove gas-powered equipment from the truck or trailer and refuel the equipment with its wheels on the ground. If this is not possible, then refuel the equipment on the truck or trailer using a portable container and not a gasoline dispenser nozzle. If a gasoline dispenser nozzle must be used, keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.



WARNING: Gasoline is harmful or fatal if swallowed. Long-term exposure to vapors can cause serious injury and illness. Avoid prolonged breathing of vapors. Keep face away from nozzle and gas tank or fuel container opening. Keep gasoline away from eyes and skin. If fuel is spilled on clothing, change clothing immediately.

The fuel tanks are located in the tractor's fenders (FIG. 7). Total capacity for the fuel tanks is 6 U. S. gallons (22.71 L.).



FIG. 7

IMPORTANT: Do not overfill the fuel tanks. The fuel tanks should be filled no higher than 2" below the tank's fill neck. When filling the fuel tanks disengage deck clutch, place control levers in park brake position, and stop tractor engine. Clean around the fuel tank cap and remove the cap and begin filling. When finished, screw the cap on securely and wipe up any spilled gasoline.

When filling the fuel tanks disengage deck clutch, place control levers in park brake position, and stop tractor engine. Clean around the fuel tank cap and remove the cap and begin filling. When finished, screw the cap on securely and wipe up any spilled gasoline.

Use regular unleaded gasoline with an octane rating of 87 or higher.

IMPORTANT: Never use methanol, gasoline containing methanol, or gasohol containing more than 10% ethanol because the fuel system could be damaged. Do not mix oil with gasoline.

Using a fuel stabilizer/conditioner in the tractor can provide benefits such as:

1. Keeps gasoline fresh during storage of 90 days or less. For longer storage, drain the fuel tanks
2. Cleans the engine during operation.
3. Eliminates gum-like varnish buildup in the fuel system.

IMPORTANT: Do not use fuel additives containing methanol or ethanol.

Add the correct amount of gas stabilizer/conditioner to the gas. Follow the gas stabilizer/conditioner manufacturer's directions for best results.

The fuel filter (FIG. 8, & FIG. 9) is installed in the fuel line between fuel tanks and engine fuel pump. Replace filter annually or after every 100 hours of operation, whichever occurs first. For fuel filter removal refer to the engine owner's manual.

When replacing the fuel filter, check the fuel line hoses and fuel tank fitting grommets for any cracks or leaks. Replace as needed. A fuel shut-off valve is located to the right rear of the seat (FIG. 10). Close this valve (center position) to prevent fuel flow to the engine. Close this valve when transporting the unit on a trailer or truck.

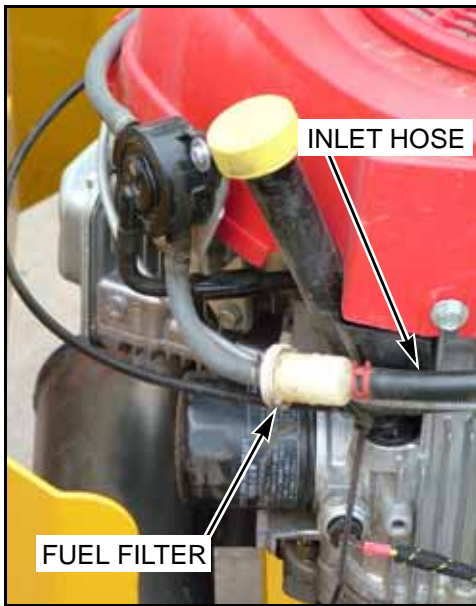


FIG. 8 HONDA

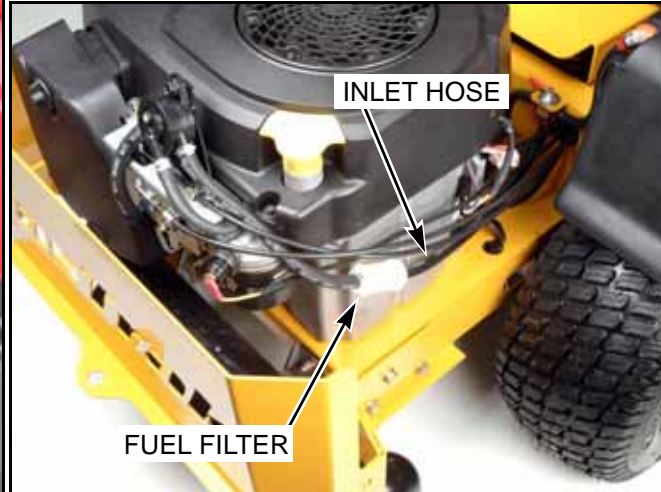


FIG. 9 KOHLER

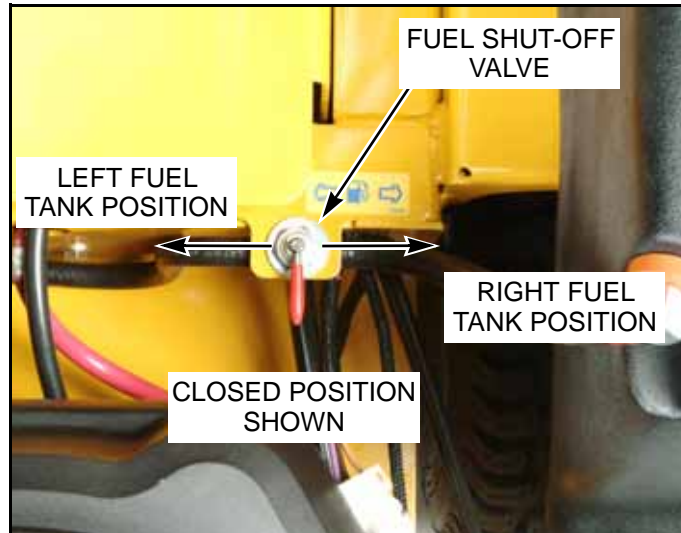


FIG. 10

DRAINING THE FUEL TANKS

FasTraks have a fuel shut-off valve (Hustler p/n 7480159) located behind the seat to the right side of the operator (FIG. 10). Close this valve (center position) to prevent fuel flow to the engine. The valve's two other positions are front and rear. To drain a fuel tank equipped with this fuel shut-off valve kit, use the following method:

1. Park the unit on a flat surface. Stop the engine and remove the ignition key. Make sure deck clutch switch is **IN THE DOWN (OFF) POSITION**. Place control levers in the park position. Disconnect negative battery cable.
2. Close fuel shut-off valve (center position) (FIG. 10).
3. Disconnect the fuel line from the fuel tank fitting. Place the end of the hose in an approved container to drain the remaining fuel from the hose.
4. Remove the fuel tank from the tractor. Remove the fuel cap, tip the tank and drain the fuel into an approved fuel container.
5. When fuel tank is drained, re-attach the fuel tank to the tractor and re-connect the fuel line to the fuel tank fitting. Make certain hose clamp is properly installed.
6. Fill fuel tank with proper grade of gasoline and open shut-off valve.

Engine oil and filter

Check engine oil daily and after every 4 hours of operation. Crankcase dipstick and oil filler tube are located as shown in FIG. 11 & FIG. 12. Tractor must be setting level when checking oil. Refer to engine manual and maintenance schedule for oil recommendation and capacities.

Change the engine oil and filter after the first 5 hours of operation, per the engine manufacturer's recommendations after that. If tractor is being operated in extremely dirty conditions, then it is recommended oil be changed more frequently.

The oil drain and oil filter are located at the rear of the engine (FIG. 11, FIG. 12, & FIG. 13).

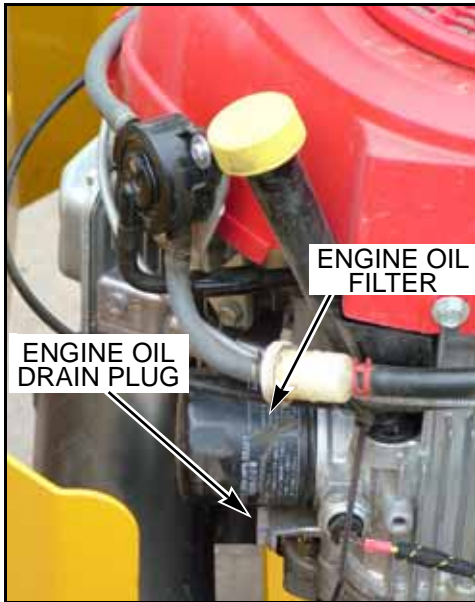


FIG. 11 HONDA

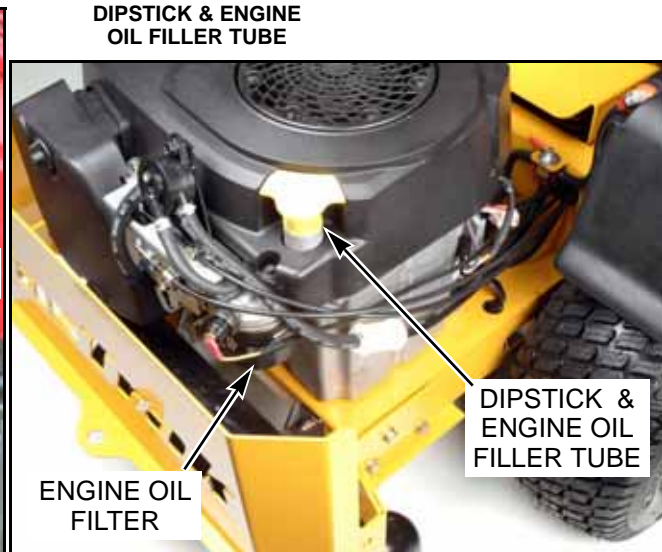


FIG. 12 KOHLER



FIG. 13 KOHLER

Engine mounting bolts

If the original engine mounting bolts are ever removed from the tractor, do not reuse. The original bolts are self-tapping and if they are re-used they may try to cut new threads into the engine block mounting holes. Replace with 3/8"-16 x 1.00 Grade 5 bolts. Apply Loc-Tite® 242 to the threads and torque to 30-35 ft.-lbs. Re-use thin int/ext tooth lockwashers that were factory installed with the original mounting bolts.

Belt replacement

FIG. 14 and FIG. 15 show diagrams and descriptions of the unit's belt drive systems.

Inspect these belts frequently for wear and serviceability. Replace a belt that shows signs of severe cuts, tears, separation, weather checking and cracking, or burns caused by slipping. Slight raveling of belt covering does not indicate failure, trim raveling with a sharp knife.



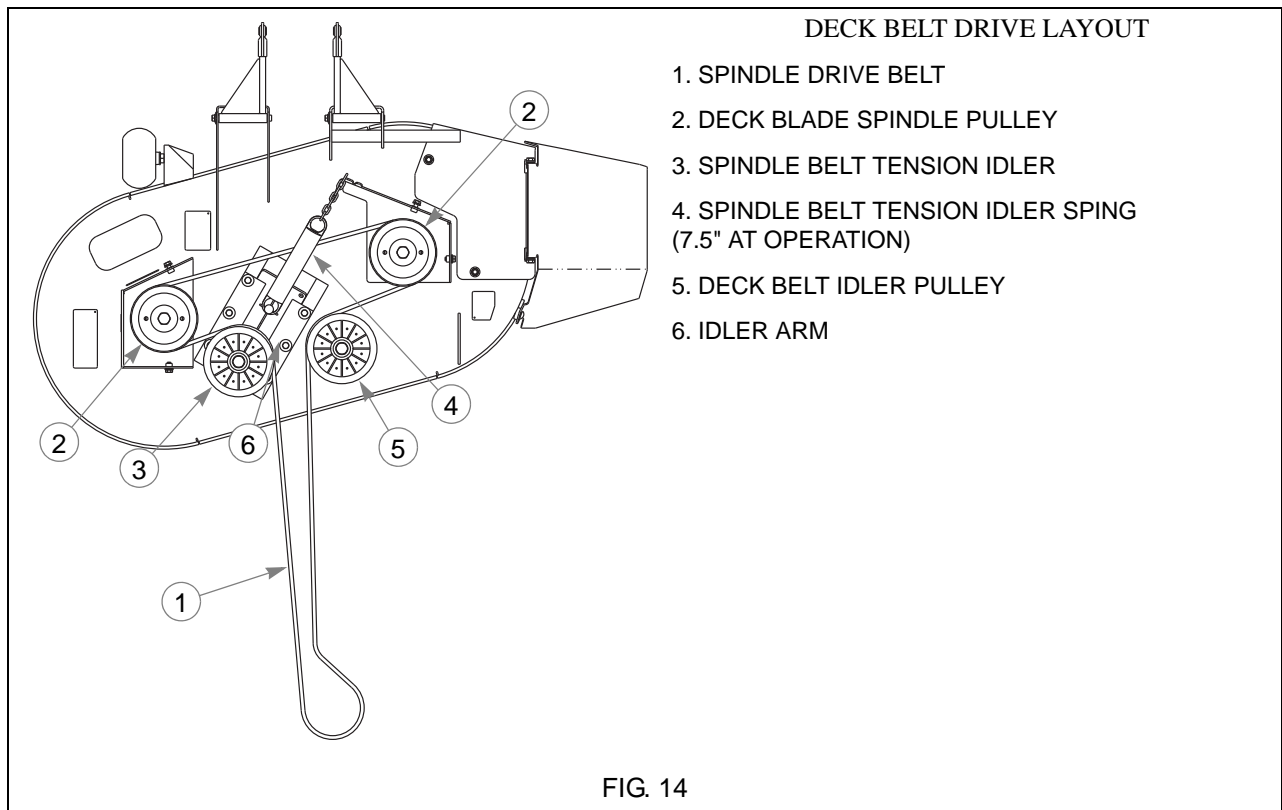
WARNING: If the pump belt fails, loss of control will occur especially when operating on a slope. If you lose steering control while operating the machine, place the steering control levers in the park brake position immediately. Inspect the machine and involve your Hustler dealer to resolve the problem before continuing to operate.

Inspect the belt pulley grooves and flanges for wear. A new belt, or one in good condition, should never run against the bottom of the groove. Replace the pulley when this is the case, otherwise belt will lose power and slip excessively.

Never pry a bolt to get it on a pulley as this will cut or damage the fibers of the belt covering.

Keep oil and grease away from belts, and never use belt dressings. Any of these will destroy the belt composition in a very short time.

Deck belt replacement

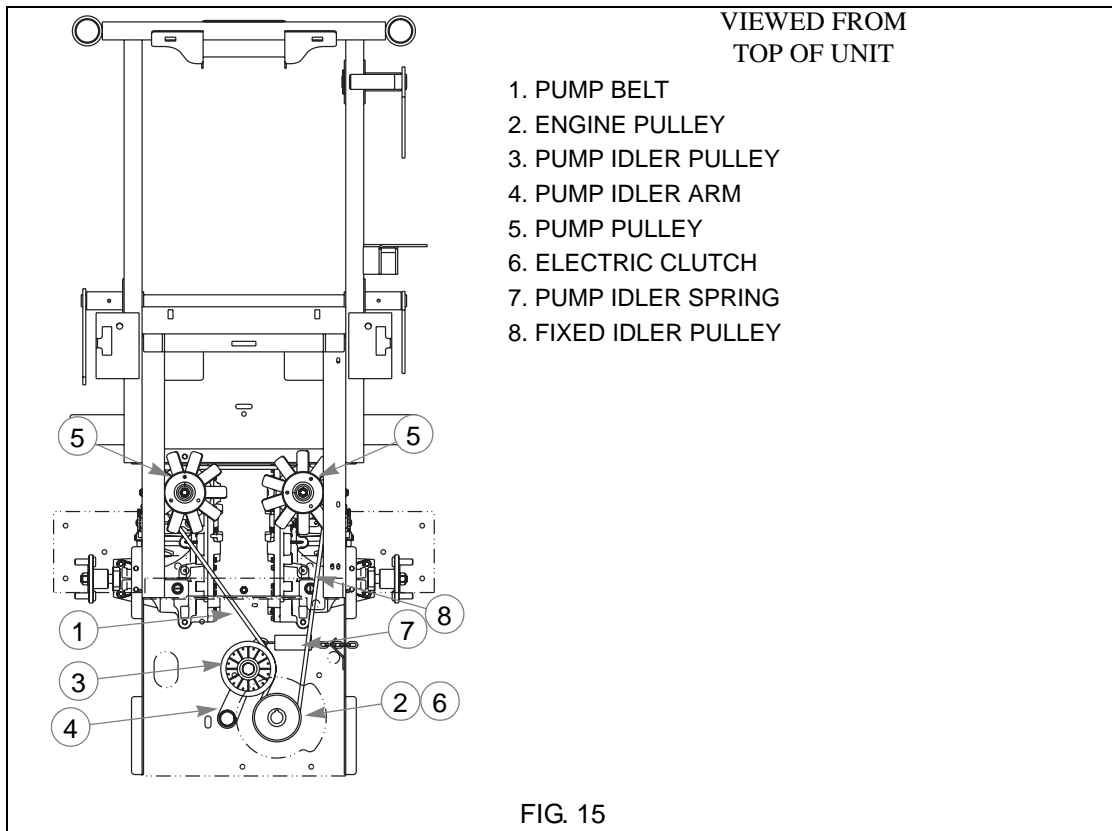


1. Park the unit on a flat surface. Stop the engine and remove the ignition key. Make sure deck clutch switch is **in the down (OFF) position**. Place control levers in the park brake position. Disconnect negative battery cable.
2. Place the deck in the lowest position.
3. Remove the deck belt covers.
4. Release the deck belt tension by pulling on the belt tension chain and sliding the chain out of the anchor

bracket slot. This will relieve the tension on the deck belt idler spring (FIG. 14).

5. Pull the idler to the left of the machine to provide maximum belt clearance.
6. Remove the existing belt and replace with a new belt.
7. Route the new belt per FIG. 14.
8. Re-tension the deck belt idler per the Deck drive belt adjustment section located elsewhere in the manual.
9. Re-install the deck belt covers.
10. Re-attach the negative battery cable.

Integrated pump/motor drive replacement



1. Park the unit on a flat surface. Stop the engine and remove the ignition key. Make sure deck clutch switch is **in the down (OFF) position**. Place control lever in the park brake position. Disconnect negative battery cable.
2. Place the deck in the lowest position.
3. Raise the rear of the tractor and block with certified jack stands.
4. Remove the right rear tire and wheel from the tractor.
5. The deck belt must be removed from the clutch pulley first by releasing the deck belt tension by pulling on the belt tension chain and sliding the chain of the anchor bracket slot. This will relieve the tension on the deck belt idler spring (FIG. 14).
6. Remove the deck drive belt from the electric clutch pulley. This belt does not need to be removed from any of the other pulleys.
7. Release the tension from the integrated pump/motor belt by pulling on the belt tension chain and sliding the chain out of the anchor bracket slot. (FIG. 17).
8. Slide the belt off the engine pulley. The belt will have to be slid above the engine pulley to allow the belt to be removed from the other pulleys (FIG. 15).
9. Slide the belt over the integrated pump/motor pulleys and fans.
10. The belt can now be removed from above the engine pulley.
11. Install new belt by sliding it up and over the engine pulley. Make certain it is not in the pulley groove at this time but is above the pulley.
12. Slide the belt over the integrated pump/motor pulleys.

13. Slide the belt onto the engine pulley.
14. Slide the belt onto the engine pulley.

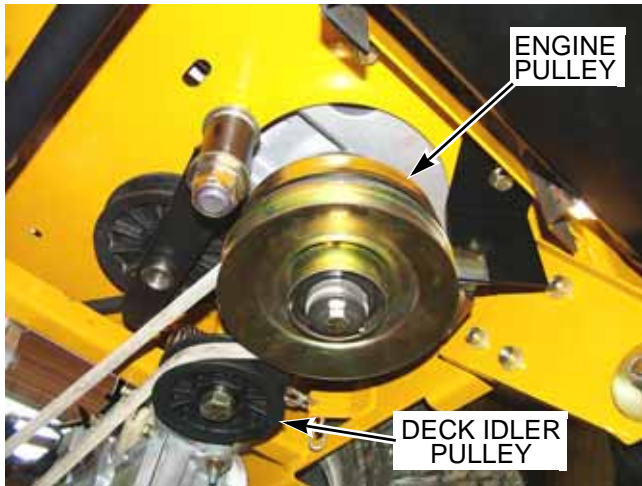


FIG. 16

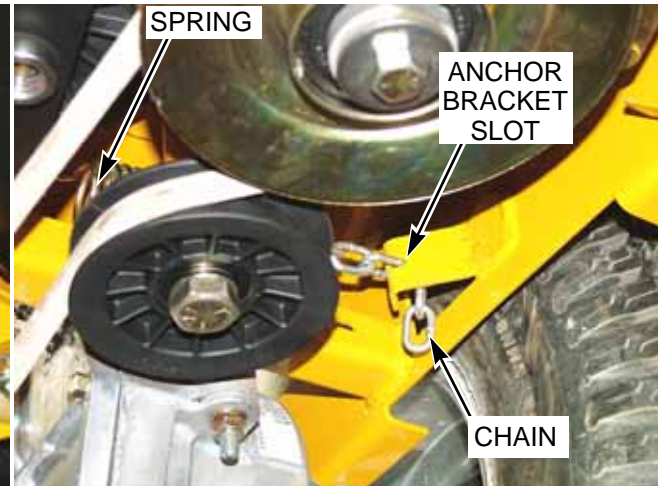


FIG. 17

15. Re-attach the spring and chain to the tensioner pulley arm. Pull chain and slide the chain into the anchor bracket slot.)FIG. 17).
16. Re-install the deck drive belt on the electric clutch pulley and make sure it is routed properly on all the deck pulleys.
17. Re-tension the deck belt idler per the deck drive belt adjustment section located elsewhere in this manual.
18. Re-attach the right rear drive tire and wheel. Torque lug nuts to 65-75 ft.-lbs. (88.14-101.7 NM).
19. Raise the tractor and remove the jack stands. Lower the tractor.
20. Re-attach the negative battery cable.

Mower blade maintenance

Use a 15/16" wrench to remove the 5/8" cap screw holding the blade to the spindle shaft from underneath.

Sharpen the blades on a grinder following pattern as shown (Fig. 9-15). Touch-up sharpening can be done with a file.

Check the blades for balance following grinding. A commercial balancing tool is available through most hardware supply stores, or balancing can be done by placing the blade on an inverted line punch or 5/8" bolt. Blade should not lean or tilt. Spin the blade slowly, blade should not wobble. If blade is out of balance, true it up before reinstalling.

Lay the blade on a flat surface and check for distortion (Fig. 9-16 and 9-17). Replace any distorted blade.

Do not re-use spindle bolts which have stripped, worn or undercut threads. Torque bolts on spindles to 118 foot-pounds (160.01Nm) when reinstalling blades.

IMPORTANT: The blade sail (curved part) must be pointing upward toward the inside of the deck to ensure proper cutting.



WARNING: When mounting blades, rotate them after installation to ensure blade tips do not touch each other or sides of the mower.



WARNING: Failure to correctly torque the bolt may result in the loss of the blade which can cause serious injury.



WARNING: Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves and use extra caution when servicing them.

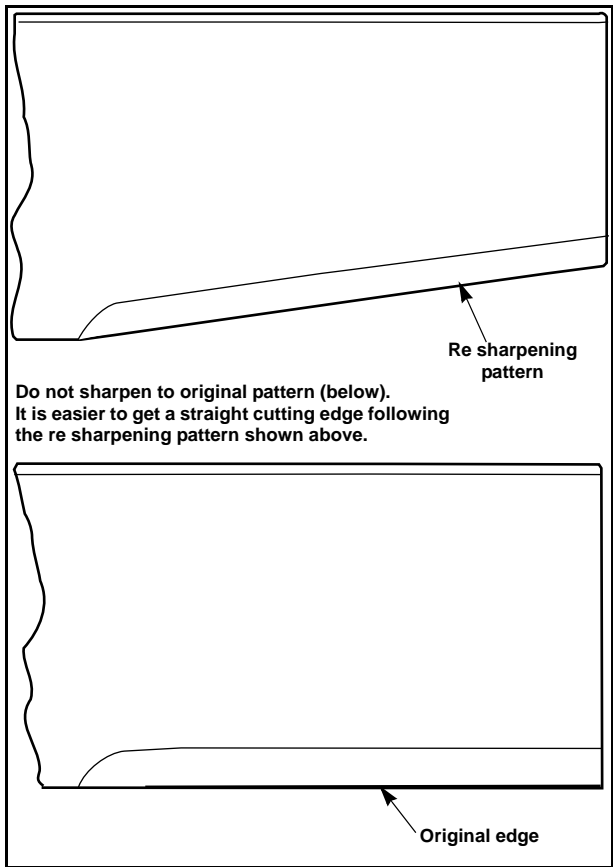


FIG. 18

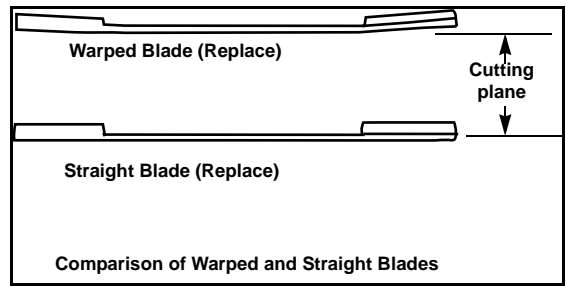


FIG. 19

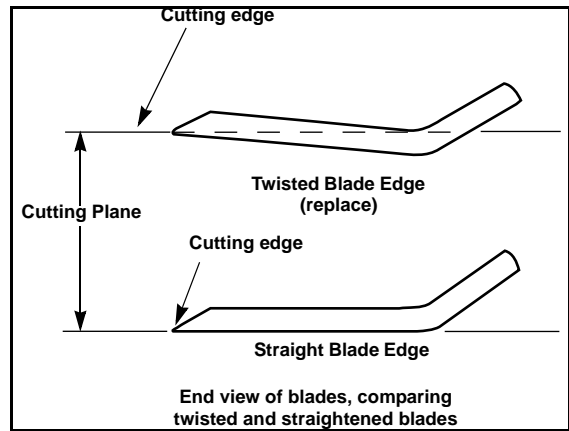


FIG. 20

Adjustments

Introduction

Your FasTrak 36/42 was adjusted before it left the factory and was checked during pre delivery setup. However, after start-up and continued use, a certain amount of break-in wear will cause some adjustments to change.

Remain alert for unusual noises, they could be signaling a problem. Visually inspect the machine for any abnormal wear or damage. A good time to detect potential problems is while performing scheduled maintenance service. Correcting the problem as quickly as possible is the best insurance.

Clear away heavy build-up of grease, oil and dirt, especially in the engine and under the seat platform areas; minute dust particles are abrasive to close-tolerance engine and hydraulic assemblies.

Some repairs require the assistance of a trained service mechanic and should not be attempted by unskilled personnel. Consult your Hustler service center when assistance is needed.

Park Brake Adjustment

Occasionally check the park brake adjustment using the following method:

1. Shut engine off, place control levers in the park brake position, disengage deck clutch, remove ignition switch key and disconnect negative battery cable before doing any adjustments.
2. Raise and block the tractor up so the drive wheels are off of the floor.



WARNING: Never work under the machine or attachment unless it is safely supported with jack stands. Make certain machine is secure when it is raised and placed on the jack stands. The jack stands should not allow the machine to move when the engine is running and the drive wheels are rotating. **Use only certified jack stands.** Use only appropriate jack stands, with a minimum weight rating of 2000 pounds to block the unit up. Use in pairs only. Follow the instructions supplied with the vehicle stands.

3. Remove the drive tires.
4. Push the steering lever inward into the operating position, disengaging the brake. Only adjust one side at a time.
5. Locate the brake lever arm and brake gear on the EZT transmission. When the steering lever is in the operating position, the brake arm should have a minimum of 0.06" (1.52MM) and maximum of 0.125" (3.18MM) clearance between the teeth of the brake lever arm and the outside diameter of the brake gear (FIG. 21).
6. If you find that the clearance is not to this specification, then adjust the position of the brake lever arm by moving the lock nuts on the brake rod accordingly. When adjusting the nuts, the spacing between the inside of the nuts needs to be maintained at 7/8" (2.22CM) which has been set at the factory. The best way to keep this spacing is to turn both nuts in the same direction the same number of turns (FIG. 22).
7. Loosen the jam nut on the brake rod and rotate the adjusting tube (FIG. 23) until the dimensions shown in Fig. 9-18 can be attained. Re-tighten the locknut.
8. After adjustments are made and the proper clearance is restored, actuate and release the brakes with the steering lever several times. Check to make sure the brake arm on the EZT is engaging and fully disengaging the teeth of the brake gear.
9. Repeat this process for the opposite side if required.
10. Assemble the rear tires and re-torque the lug nuts to 65-75 ft.-lbs. (88.14-101.7 NM)
11. Raise the rear of the tractor and remove the jack stands. Lower the tractor.

Steering linkage adjustment

The neutral adjustment has been factory adjusted to eliminate creeping when the control levers are in the neutral position. However, if the steering linkage should ever need adjustment due to the unit creeping when the steering levers are in the neutral position or the EZT's whining when the parking brakes are engaged, take the unit to an Authorized Hustler Dealer for adjustment.

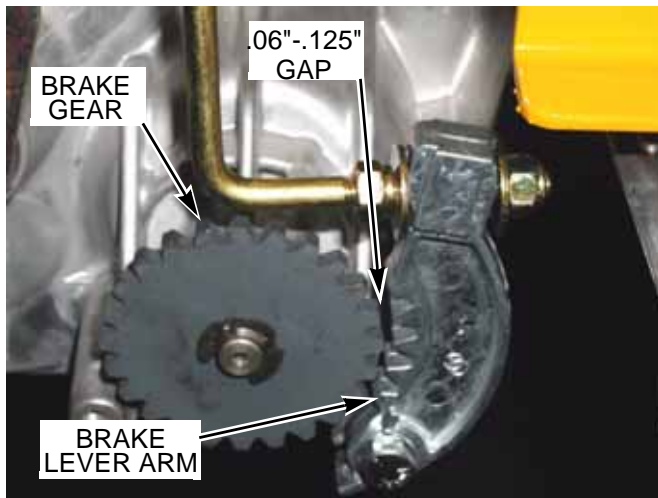


FIG. 21

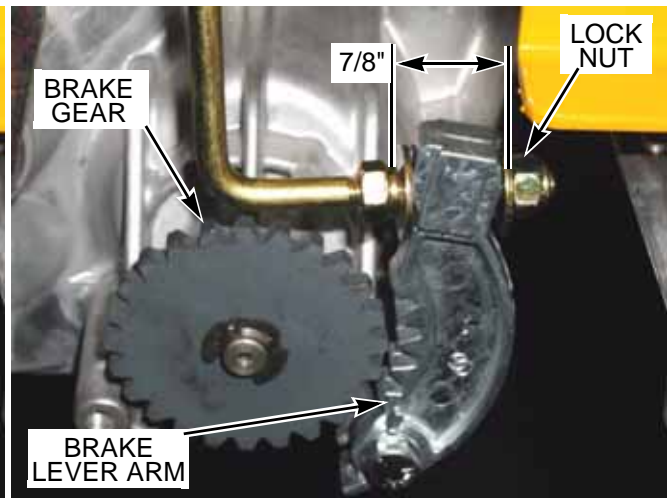


FIG. 22

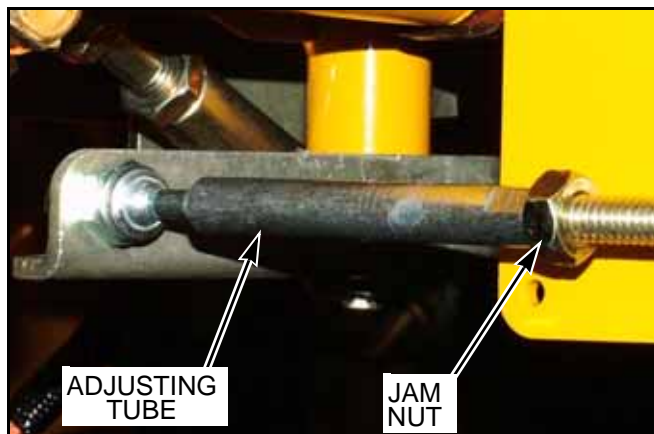


FIG. 23



WARNING: Only properly trained personnel should attempt to reset the neutral adjustment on the FasTrak 36/42. This procedure requires that the engine be running and the drive wheels rotating during adjustment.



WARNING: The adjustable steering rods are located near the EZT integrated pump/motor fans. Make certain the engine is not running when adjusting the steering rods. The neutral adjustment for the control levers in the neutral position is discussed in this section.

Control lever neutral adjustment

Before considering any adjustment, check the tire air pressure. Unequal tire pressure will cause the tractor to drift to one side. Refer to tire pressure information in the Maintenance section of this manual.

NOTE: Proper park brake adjustment must be completed before the control lever neutral adjustment can be done.

Fine adjustment to the unit's steering is made with the adjustable pump linkage rods (FIG. 24).

Neutral is properly adjusted when the control levers are in the park brake position and the EZT transmissions do not "whine".

If this occurs, the control linkage may be adjusted as follows:

1. Raise and block the tractor frame keeping the rear drive tires free and clear of any obstructions so they are free to rotate. The engine will be running and tires rotating during this operation.



WARNING: Never work under the machine or attachment unless it is safely supported with jack stands. Make certain machine is secure when it is raised and placed on the jack stands. The jack stands should not allow the machine to move when the engine is running and the drive wheels are rotating. **Use only certified jack stands.** Use only appropriate jack stands, with a minimum weight rating of 2000 pounds to block the unit up. Use in pairs only. Follow the instructions

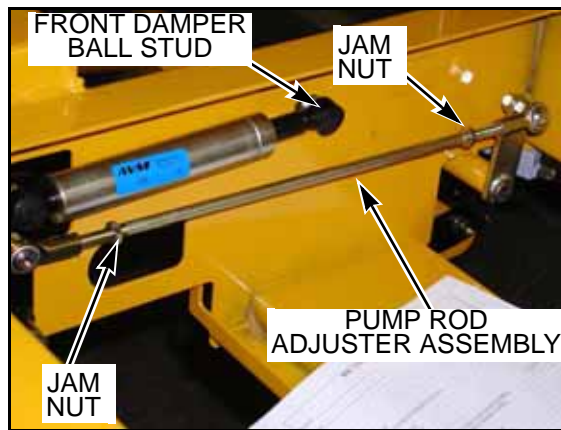


FIG. 24

supplied with the vehicle stands.

2. Remove the seat pan locknut as shown in FIG. 4. Tilt the seat forward. Temporarily bypass the seat switch.
3. Loosen the front dampener ball stud nut as shown in FIG. 24. The dampener will be adjusted and tightened after neutral is reset.
4. Staying clear of the rear drive tires, start the engine. If the EZT transmissions whine, then the neutral setting needs to be re-adjusted. In this operation you will need to adjust one side at a time. If either side whines significantly, then the steering lever needs to be pushed into the operating position, disengaging the brake. Most likely when the brake is disengaged, the drive wheel will begin to rotate even though the steering lever is in the neutral position.
5. Shut off the machine. Loosen the jam nuts on each end of the pump control rod as shown in FIG. 24.
6. Start the engine. Move the steering lever to just engage the brake (neutral) slot and hold it in that position (Do not engage the steering lever far enough to engage the brakes in the brake slot).



WARNING: This operation is extremely dangerous. Pay close attention when adjusting the pump control rod so you do not get your fingers, tools, or anything else close to the EZT pump cooling fans.

7. While holding the steering lever position discussed in step 6, carefully adjust the pump control rod until the rear wheel starts turning forward. Now turn the pump control rod in the opposite direction until the moment when the wheel just stops turning forward. Turn the control rod another 1/2 turn in this direction. Hold the pump rod in this position and actuate the parking brake with steering lever. The EZT should not whine.
 8. Hold the pump control rod still and turn off the engine.
 9. Tighten the jam nuts on each end of the pump control rod.
- NOTE: Do not let pump control rod turn while tightening the jam nuts.**
10. Neutral is now set. Start the engine and actuate the brakes a few times to confirm that the EZT does not whine when the park brake is set.
 11. Repeat for the other side.
 12. The steering dampener now needs to be adjusted and tightened.
 13. Reconnect the seat switch and make sure the seat switch is operating properly per the following procedure:
 - A. The operator must be on the seat when testing the seat switch.
 - B. Set both control levers in the park brake position.
 - C. Start the engine and allow it to warm up to operating temperature.
 - D. With the deck clutch switch down and the control levers in the park brake position, slowly raise off of the seat. The engine should continue to run.
 - E. With the deck clutch switch up and/or the control levers in the neutral position, slowly raise off of the seat. The engine should stop.
 - F. If the engine fails to stop when the deck clutch switch is up or one or both of the control levers are not in the park brake position and the operator is off the seat, check the function of the seat switch. If the seat switch is not operating properly (is not opening or closing) and if the cause can not be

determined, replace the seat switch. If the problem can not be located, contact your Hustler Dealer.



WARNING: The safety interlock system should always function per steps 4 and 5. If it does not function properly, it should be corrected immediately. Do not operate machine without properly functioning seat safety switch.



WARNING: Do not operate machine without a properly functioning seat safety switch.

Steering dampener adjustment

The steering dampener is spring loaded to return the control levers to the neutral position from the reverse position. This gives the operator a sense of neutral during operation. If the steering control lever does not return to neutral from reverse then adjust as follows:

To set the steering dampeners in the correct operating position follow these steps:

1. Shut engine off, place control levers in the park brake position, disengage deck clutch, remove ignition switch key and disconnect negative battery cable before doing any adjustments.
2. If you have not already done so, loosen the front ball stud that is attached to the forward dampener socket, FIG. 24.
3. When the ball stud is loosened, pull out on the ball stud end and release. The dampener will return to the neutral position and come to rest. Re-tighten the front ball stud.
4. Release the park brake and pull the steering lever to the reverse position and allow the dampener to return the lever to the neutral position. If the steering lever does not return to the neutral position (centered with the brake slot), then either you have not adjusted the dampener correctly, or it is damaged and needs to be replaced.
5. Repeat for the opposite side.

Hydraulic pump belt adjustment

The pump drive belt tension remains constant by means of a tension idler and spring (FIG. 25). There is no tension adjustment of this belt.

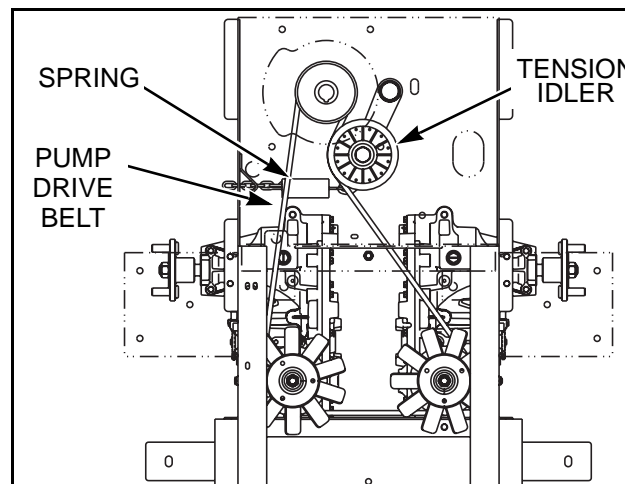


FIG. 25

NOTE: Inspect the belt every 100 hours and replace as needed. Replace the belt every 200 hours or every two (2) years whichever comes first.



WARNING: If the pump belt fails, loss of control will occur especially when operating on a slope. If you lose steering control while operating the machine, place the steering control levers in the park brake position immediately. Inspect the machine and involve your Hustler dealer to resolve the problem before continuing to operate.

Deck drive belt adjustment

The spindle belt tension remains constant by means of a tension idler and spring (FIG. 26). The spring ten-

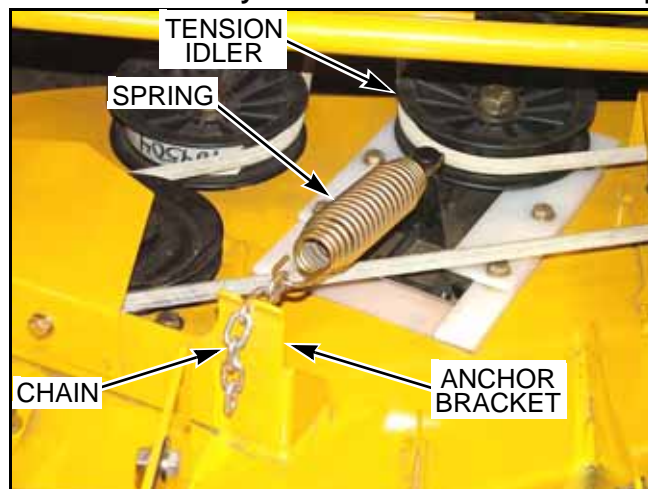


FIG. 26

sion should be such that the belt does not slip under normal operating load conditions, assuming the belt is not excessively worn or damaged. As belt stretches and wears in, adjustment may become necessary. To increase belt tension, move the spring chain one (or more) link(s) at the anchor bracket (FIG. 26). Installed spring length should be 7.50" \pm .3) originally with adjustments of .60" per chain link. (FIG. 27).

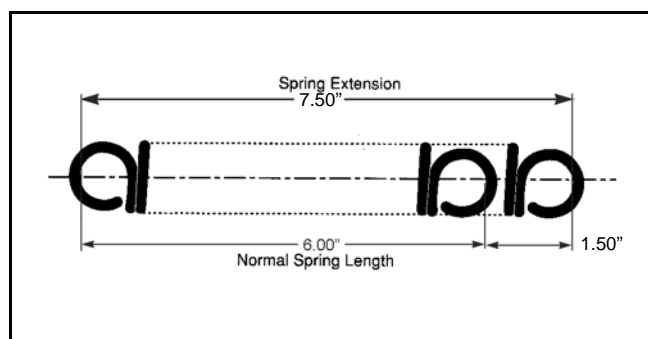


FIG. 27

IMPORTANT: Do not over tension the spring to compensate for a badly worn belt or pulley.

Engine RPM setting

The FasTrak 36/42 is designed so that the engine will run at 3600 rpm (Kohler) or 3550 rpm (Honda) with integrated pump/motor load only. At this speed the integrated pump/motors are running at their maximum rated speed.

Deck leveling and height adjustment

The mower deck has three areas that may need to be checked and adjusted periodically. Before considering any mower deck leveling adjustments, check that the tire air pressure is within the specified range.

DECK LEVEL ADJUSTMENTS

Leveling the deck must be done in the following manner and order:

1. Check tire pressures to make certain they are properly inflated before starting to level deck. The recommended pressures are as follows:

	PSI
Drive Tires	8-12
Front Wheels	8-12



WARNING: Stop engine. Make sure deck clutch switch is in the down (OFF) position. Remove ignition key. Place control levers in the brake position before leaving machine.

2. Park the unit on a flat surface.
3. Raise deck and place 3" tall spacer blocks under the edge of the deck - two in front on each side and two in back on each side. (FIG. 28). Remove the height adjusting stop

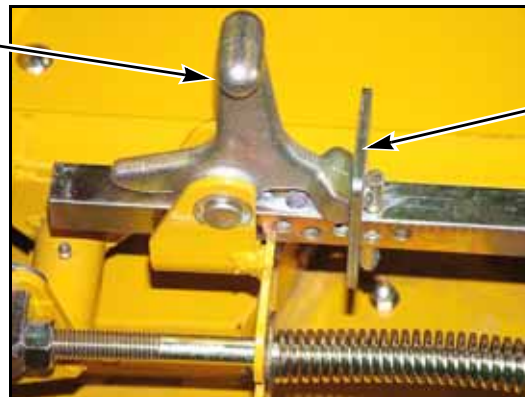
SPACER BLOCKS



FIG. 28

and let the deck down so it rests on the 3" spacer blocks. Make sure the deck is setting on all four blocks. Leave the height adjusting stop out of the square adjusting bar for now. The deck should be leveled before the height is set. (FIG. 29)

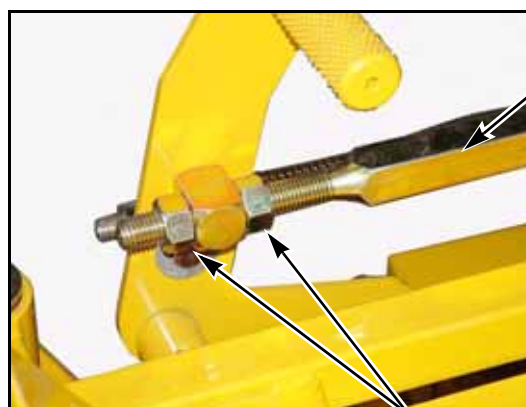
HEIGHT
STOP
HANDLE



HEIGHT ADJUSTING
STOP

FIG. 29

4. Loosen the two nuts that hold the deck adjusting bar in position. (FIG. 30)



ADJUSTING BAR

NUTS

FIG. 30

-
5. Loosen the two nuts that hold the right rear deck lifting arm. (FIG. 31)

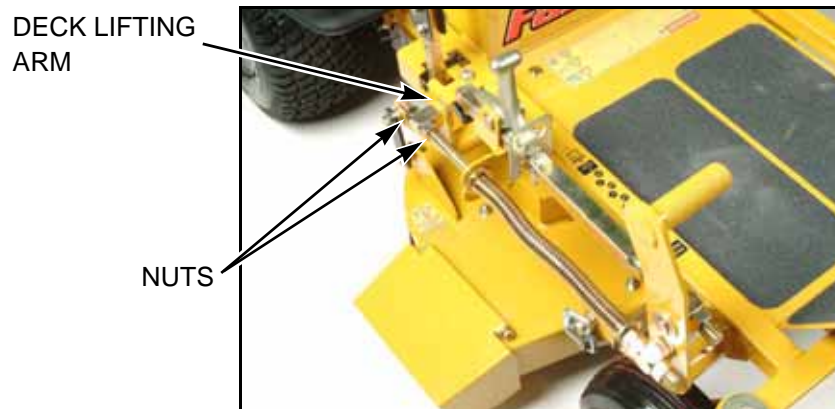


FIG. 31

6. Loosen the left rear deck leveling bracket by loosening the flange nuts. (FIG. 32)

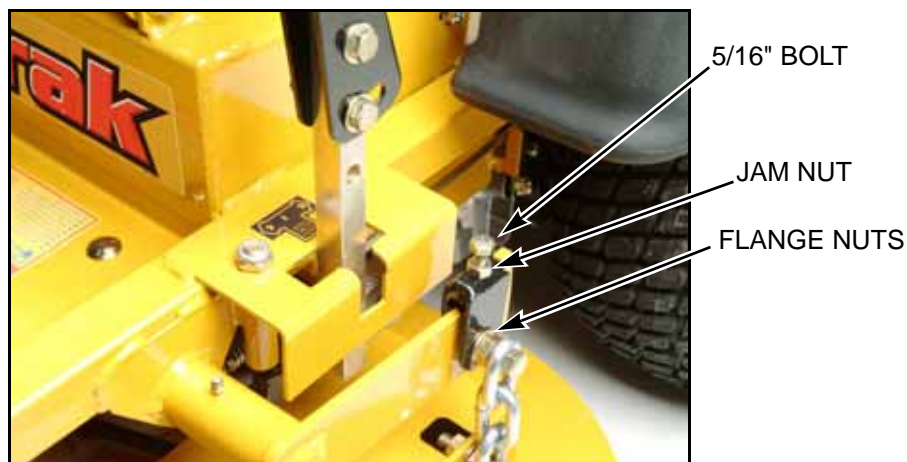


FIG. 32

7. Loosen the jam nut and back out the 5/16" bolt on top of the adjuster. (FIG. 32)
8. Check to make sure the deck is resting firmly on all of the 3" blocks. Check the front right deck chain to be sure it is taut. Now, screw both nuts finger tight against the square block on the right rear deck lift arm. Tighten these two nuts. (FIG. 31)
9. Tighten the 5/16" bolt on the adjuster until the chain is taut. Tighten the jam nut against the adjuster. Tighten the two flange nuts. (FIG. 32) The deck should now be level.
10. To adjust the deck height insert the height adjusting stop into the 3-1/4" position. (FIG. 29)
11. Tighten the rear nut against the block attached to the deck lifting pedal as tight as you can by hand. (Fig. 3) Make sure the stop handle is pushing firmly against the height adjusting stop so that there is no free play forward or rearward when you shake the adjustment bar. (FIG. 30)
12. Finger tighten the front nut against the block attached to the deck lifting pedal. Tighten both nuts and check to make sure that all deck linkage hardware are tight. (FIG. 30)
13. Raise the deck into transport position and remove the blocks from under the deck corners. The deck should now be level and the deck cutting height properly adjusted.

Numerical Index

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
Index					
Part Numbers					
000323	4-11	076422	2-4	601156	1-1
000331	4-11	079186	3-9, 6-5	601434	6-5
005116	6-5, 6-11	083279	8-3	704478	4-7
005231	4-3	086660	3-9, 6-3, 6-9, 7-4	704643	3-3, 7-2
011320	2-4	089789	3-9	704932	4-13
015495	3-3	104786	4-3	705178	3-9
015818	4-11	306969	5-2	705954	5-2
016253	4-3, 4-7	314989	3-2	706531	4-3, 4-7
017004	4-7	315101	3-9	710087	3-5, 3-7
017129	6-5, 6-11	315382	3-9	712257	4-13
017616	7-2	315440	2-2	712372	4-3, 4-7
019521	5-4	315572	6-3	712919	3-7
024927	3-2, 3-9, 4-3, 4-7	316836	2-3, 4-3, 4-7	712927	4-3, 6-5, 6-11
025007	3-5, 3-7, 6-5, 6-11	316844	2-4	712976	5-2
025296	3-3, 3-5, 3-7	320242	2-2	714998	4-13
026237	4-13	320267	2-4	718288	3-5, 3-9
028118	3-5, 3-7	320275	7-4	727016	8-3
029868	3-2	320580	2-3	727172	8-4, 8-5
029876	3-9, 4-3	321042	6-11	739144	4-3, 4-7
030817	4-7	321059	4-13	740696	3-2
031997	2-3, 6-3, 6-9	321398	6-5, 6-11	745059	4-11
034272	3-3, 3-5, 3-7, 3-9, 4-3, 4-7, 6-3, 6-9	321877	6-5, 6-11	747303	1-1
034280	6-3, 6-9, 7-4	322974	6-3, 6-9	756270	3-3
036244	4-7, 6-3, 6-9, 7-4	324046	3-5, 3-7	763417	4-7
036384	3-5, 3-7	325464	3-9	767954	2-4, 3-9, 4-3, 4-7, 4-11, 6-3, 6-5, 6-9, 6-11, 7-4
042630	5-2	330225	6-3, 6-9	767962	2-3, 3-3, 5-2, 6-3, 6-9, 7-2
043570	4-3	330274	4-3, 4-7	768044	5-2
044255	4-7	330324	6-5	768259	3-9
045898	4-13	330399	6-3, 6-9	768515	4-3, 4-7, 4-13
046821	6-5, 6-11	334045	3-3	768523	3-5, 3-7, 3-9, 4-3, 4-7, 6-3, 6-5, 6-9, 6-11, 7-4
048553	3-9	335695	3-5, 3-7	771428	3-2, 4-7
050161	4-3	335893	3-5, 3-7	771436	8-3
052860	4-3, 4-7, 7-4	338442	1-1	772806	5-3
053199	2-3, 6-3, 6-9	339689	5-2	772814	5-3
054502	2-4, 6-3, 6-5, 6-9, 6-11	344267	2-3, 5-2	776476	4-13
055749	3-3, 7-2	348284	3-3	778365	4-13
055822	4-11	348318	3-3	779306	4-11
055939	3-2	348458	3-3	781153	3-5, 3-7
055947	4-13	352054	3-9	781211	3-9
056077	4-3, 4-7	352112	3-9	781229	3-3
058776	6-5, 6-11	352500	6-3, 6-9	781260	3-9
059832	4-13	360131	3-3	781294	3-3
059931	6-5	360487	3-9	781302	6-5, 6-11
060731	3-9	364315	3-5, 3-7, 6-5	781567	2-3, 3-9, 5-2, 6-3, 6-9, 7-2
061077	5-4	378273	4-3	781708	2-3, 6-3, 6-9
061101	3-5, 3-7	546895	2-2	781831	3-3
064006	6-5, 6-11	546911	2-2		
068478	1-1	546929	6-9		
068551	3-9	546937	6-3		
		600221	3-9		
		600899	8-3		
		600941	8-3		

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
781872	6-5, 6-11	788968	8-3	793836	1-1, 3-5, 3-7
781880	4-11, 6-3, 6-9	791251	4-3, 4-7	793844	2-4
781922	3-9	791608	4-3	793851	7-4
782474	6-5, 6-11	791723f	3-5, 3-7	793869	2-2
782573	8-3	792013	3-5, 3-7	793885	4-7
782664	4-3	792762	4-7	793893	1-1, 6-11
782995	3-3	792788	4-7	794081	4-11
783134	5-4	792796	4-3, 4-7	794172	4-3
783142	5-4	792895	3-5, 3-7	794180	4-3, 4-7
783159	5-4	792911	3-5, 3-7	794297	8-4, 8-5
783506	6-5, 6-11	792929	3-5, 3-7	794305	8-3
783514	6-14	792945	4-7	794313	1-1
783522	6-14	792952	4-7	794370	1-1
783530	6-14	792960	4-11	794396	3-9
783548	6-14	792978	4-11	794404	3-5
783555	6-14	792986	4-11	794503	8-4, 8-5
783696	3-9	793059	3-9	794545	8-3
784223	5-2	793083	4-3	794552	3-5
784264	5-4	793117	4-7	794644	4-3, 4-7
784272	5-4	793125	4-3, 4-7	794883	3-9
784280	5-4	793133	4-7	794974	3-5, 3-7
784504	6-5, 6-11	793141	4-3	794982	3-5, 3-7
784603	5-2	793158	4-7	795005	3-5, 3-7
784710	8-3	793166	4-3	795013	3-5, 3-7
784827	3-5, 3-7	793174	3-9	795021	3-5, 3-7
784918	4-3, 4-7	793182	3-9	795039	3-5, 3-7
785030	4-13	793315	7-4	795047	3-5, 3-7
785048	4-3, 4-7	793331	1-1	795054	3-5, 3-7
785063	3-2	793406	5-4	795062	3-5, 3-7
785139	8-3	793489	3-2	795229	3-9
785147	8-3	793505	3-3	795625	3-9
785220	8-3	793513	8-5	796516	4-7
785295	4-11	793521	8-4	796615	3-9
785394	4-3	793547	8-3	797050	3-9
785485	2-4	793554	8-3	797449	6-5, 6-11
785543	4-3	793570	8-4, 8-5	797456	7-4
785808	4-13	793588	8-3	797753	3-9
785832	6-5, 6-11	793612	3-9	797761	3-9
786632	3-2	793646	3-9	797779	3-9
786640	3-2	793679	7-4	798363	3-5, 3-7
786657	4-13	793687	8-4, 8-5	798371	3-5, 3-7
787069	6-5, 6-11	793703	8-3	799221	4-11
787226	1-1	793760	4-3, 4-7	808485	6-3, 6-9
787234	1-1	793778	6-5, 6-11	808493	2-2, 2-3
787242	1-1	793786	6-5	927343	1-1
787267	4-3	793794	1-1, 6-5, 6-11	927350	1-1
788166	2-3, 6-3, 6-9	793802	1-1, 6-5	927368	1-1
788232	3-5, 3-7	793810	4-13	927376	1-1
788877	3-5, 3-7	793828	1-1, 6-5		